Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Witness: David C. Gomez

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION,

Complainant,

v.

AVISTA CORPORATION dba AVISTA UTILITIES,

Respondent.

DOCKETS UE-150204 and UG-150205 (Consolidated)

EXHIBIT TO TESTIMONY OF

DAVID C. GOMEZ

STAFF OF WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

Avista Compliance Filing in Dockets UE-140188 & UG-140189 (consolidated) of February 26, 2015

July 27, 2015

Revised August 4, 2015



February 26, 2015

Washington Utilities and Transportation Commission 1300 S. Evergreen Park Drive S.W. P.O. Box 47250 Olympia, Washington 98504-7250

Attention: Mr. Steve King, Executive Director & Secretary

RE: **Compliance Filing-** Avista Corporation – Dockets UE-140188 & UG-140189 (consolidated)

Please find enclosed for filing with the Commission the original and twenty copies of Avista's "2014 Capital Expenditure Final Report and 2015 Capital Expenditure Plan Update" report.

In Order No. 5 in the above referenced dockets, at Paragraph 50, the Commission stated:

Avista agrees to provide semi-annual reporting of 2014 and 2015 capital expenditures with actual data by expenditure request, in the categories provided in its pro forma "cross check" plant adjustments. The settling parties agree to meet no later than January 31, 2015, to establish any additional details of the capital reporting requirements.

Attachment 3 to this report is being provided electronically on a CD, due to the voluminous nature.

Please direct any questions on this matter to Karen Schuh at 509.495.2293.

Sincerely,

Kelly Norwood

Vice President, State & Federal Regulation

July Nowood

Enclosures cc: Service list

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
Page 2 of 303

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that I have served the Compliance Filing in Avista's Electric and Gas General Rate Case Filing (UE-140188 and UG-140189), by mailing a copy thereof, postage

prepaid to the following:

prepaid to the following:	
Steven King	Simon ffitch
Executive Director & Secretary	Lisa Gafken
Washington Utilities and Trans. Comm.	Office Of The Attorney General
1300 S. Evergreen Park Dr. SW	Public Counsel Section
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	Simonf@atg.wa.gov
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Mark Vasconi	Ronald L. Roseman
Washington Utilities and Trans. Comm.	Attorney At Law
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Edward A. Finklea	Tom Schooley
Executive Director	Washington Utilities and Trans. Comm.
Northwest Industrial Gas Users	1300 S. Evergreen Park Dr. SW
326 Fifth Street	Olympia, WA 98504-7250
Lake Oswego, OR 97034	tschooley@utc.wa.gov
efinklea@nwigu.org	

I declare under penalty of perjury that the foregoing is true and correct. Dated at Spokane, Washington this 26th day of February, 2015.

Karen K. Schuh

Sr Regulatory Analyst, Rates & Tariffs

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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2014 Capital Expenditure Final Report and 2015 Capital Expenditure Plan Update

February 26, 2015

Provided Pursuant to Order No. 05
Docket Nos. UE-140188 & UG-140189 (Consolidated)



Exhibit No. ____ (DCG-20)
Dockets UE-150204/UG-150205
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Background

This report is being provided pursuant to the Washington Utilities and Transportation Commission Order No. 5 in Docket Nos. UE-140188 & UG-140189 (Consolidated). Paragraph 50 of that Order states:

Avista agrees to provide semi-annual reporting of 2014 and 2015 capital expenditures with actual data by expenditure request, in the categories provided in its pro forma "cross check" plant adjustments. The settling parties agree to meet no later than January 31, 2015, to establish any additional details of the capital reporting requirements.

The Company conferred with all Parties on January 26, 2015, to discuss the details of the capital reporting requirements. Avista provided a proposal that included additional information including details by expenditure request, construction work in progress (CWIP) roll-forward, and the 2013-2015 expenditure request detail for capital spend and transfers-to-plant. The Parties agreed that Avista would add the business case description, as well as the service and jurisdiction to the report for transfers-to-plant. Avista would also breakout the actual and budgeted data provided in the CWIP roll-forward (2013-2017).

The capital budget for 2014 and 2015 that was approved by Avista's Board of Directors in 2013 reflected a total Company budget for 2014 of \$331 million, and for 2015 of \$355 million. These capital investment dollar amounts for 2014 and 2015 were reflected in Avista's last general rate case¹, and were part of the foundation for the Settlement Agreement approved by the Commission in December 2014. As discussed in this report, Avista spent approximately \$352 million in 2014, and currently plans to spend \$376 million in 2015.

1. Final report on 2014 Capital Expenditures

Avista spent approximately \$352 million in 2014. As compared to the \$331 million for 2014, the Company spent approximately \$21 million or 6.3% more than that reflected in our last general rate case. Please see Attachment 1 for a listing of business cases that comprised the approximate \$352 million of spend, and Attachment 2.2 for a detailed listing of projects at the expenditure request level.

2. 2015 Capital Expenditure Plan

In the previous general rate case² the Company included \$355 million of capital investment for 2015. During 2014 the Board of Directors increased this amount to approximately \$376 million. As explained in the Company's previous general rate case by Company witness Mr. Thies³, the

¹ Included in Exhibit No (DBD-2) in Docket Nos. UE-140188 & UG-140189.

² Id

³ Docket Nos. UE-140188 & UG-140189, Exhibit Nos. (MTT-1T)

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Company is making significant capital investments in electric generation, transmission and distribution facilities, and in our natural gas distribution system to better serve the needs of our customers. These investments target the preservation and enhancement of safety, service reliability, and the replacement of aging infrastructure. As further explained by Mr. Thies, there are three primary drivers of the need to increase Avista's level of capital investment, including: 1) the business need to fund a greater portion of the departmental requests for new capital investments that in the past have not been funded; 2) the need to capture investment opportunities and benefits identified by our asset management capabilities, and 3) a continued focus on controlling the increase in operation and maintenance (O&M) spending through prudent capital investment.

Please see Attachments 2.1-2.4 for details surrounding capital spend and transfers to plant for 2014 and 2015.

3. <u>Construction Work in Progress, Spend and Transfers to Plant and Business Case</u> <u>Support</u>

The table below shows the balances in construction work in progress (CWIP), spend and transfers to plant from 2008 through 2017, to arrive at an ending CWIP balance. This table shows the relationship that the increased spending has on the overall transfers to plant and ending CWIP balance.

TABLE No. 1:

	Construction Work in Progress (CWIP) Roll Forward System Level Including Growth									
Year	Beginning Balance - CWIP	Actual Spend	Attach.	Forecast Spend	Atta ch.	Actual Transfers to Plant	Attach.	Forecast Transfers to Plant	Atta ch.	Ending Balance - CWIP
2007										75,679,838
2008	75,679,838	214,676,440				(214,788,054)				75,568,224
2009	75,568,224	203,921,574				(222,272,320)				57,217,478
2010	57,217,478	197,852,082				(194,303,406)				60,766,153
2011	60,766,153	246,790,433				(229, 374, 357)				78,182,229
2012 ¹	78,182,229	264,615,808				(203, 284, 146)				139,513,892
2013	139,513,892	295,863,630	2.1	268,312,000		(272,392,659)	2.4	(220,444,921)		162,984,863
2014	162,984,863	351,553,982	2.2	331,000,000		(279,642,278)	2.5	(329, 175, 816)		234,896,568
2015	234,896,568			376,313,654	2.3			(479,996,088)	2.6	131,214,134
2016	131,214,134			350,000,000				(356,701,055)		124,513,079
2017	124,513,079			350,000,000				(365,985,095)		108,527,984
Total 20	08-2017	1,775,273,948		1,675,625,654		(1,616,057,218)		(1,752,302,975)		

¹ – Starting in 2012, the CWIP balance began to grow, mainly due to long-term projects, such as the Company's Customer Information System (CIS) Project, which was moved into service in February of 2015.

This information is also included in Attachment 2 along with additional expenditure request detail for the years 2013 -2015 in Attachments 2.1-2.6. The components of the above table are described as follows:

• Beginning Balance CWIP – System CWIP balance from the Company's general ledger.

- Actual Spend The actual amount of system capital spending. Expenditure Request Number (ER) detail for the years 2013-2014 are provided in Attachments 2.1 and 2.2 to the report. The ER data is categorized in the Attachments by functional group and agrees to the total spend listed in the above table.
- Forecast Spend -Forecasted amount of system capital spending. ER detail for the year 2015 is provided in Attachment 2.3. The spend amounts by ER are categorized in the Attachment by functional group and agree to the total spend listed in the above table.
- Actual Transfers to Plant The actual amount of system Transfers to Plant (TTP). ER detail for the years 2013-2014 is included in Attachments 2.4 and 2.5. The TTP amounts by ER are categorized in Attachments 2.4 and 2.5 by functional group and agree to the total TTP listed in the above table.
- Forecast TTP- The forecasted amount of system TTP. The ER detail for 2015 is provided as Attachment 2.6 to the report. The TTP amounts by ER are categorized in the attachment by functional group and agree to the total TTP listed in the above table.
- Ending Balance CWIP System CWIP Balance, which is the sum of the beginning balance, spend and transfers to plant.

The above information is graphed below as Illustration No. 1 to better demonstrate the relationship of CWIP, spend and transfers to plant.

ILLUSTRATION No.1:

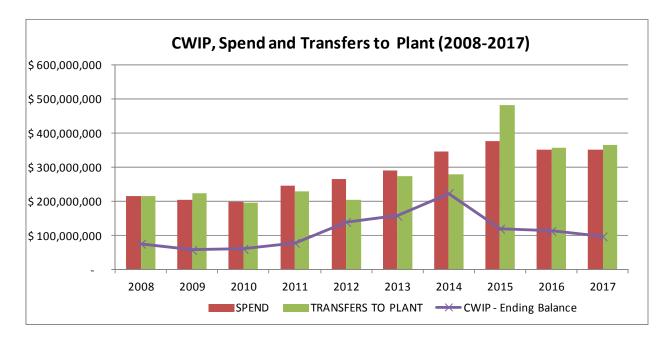


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The Company has provided the business case summary sheets for 2015 as Attachment 3.⁴ The information provided on those sheets is what Avista's Capital Planning Group uses to prioritize, approve or reject projects. Some of the components of the summary sheets are as follows:

- Project description
- Project alternatives
- Cost Summary (not transfers to plant)
- Business Risk
- Financial Assessment
- Strategic Assessment
- Justification for the project (Mandatory, etc.)
- Milestones
- Resource Requirements
- Key Performance indicators
- Earned Value Metrics

⁴ This information was also provided in the Company's 2014 general rate case, Dockets UE-150204 & UG-150205, Exhibit Nos.___(KKS-4) and (KKS-5). The projects included in KKS-4 relate to capital transfers to plant in 2015, whereas, the capital budget amounts discussed above relate to capital spend in 2015.

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ATTACHMENT 1

2014 Capital Expenditures



Capital Expenditures by Business Case December 2014

Business Case	YTD Actual
Clark Fork Settlement Agreement	9,239,962
Environmental Compliance	195,280
Hydro Safety Minor Blanket	85,923
Spokane River License Implementation	2,147,203
Wa State Park & Rec Utility Use Agreement	71,998
Total Environmental	11,740,365
Aldyl A Replacement	16,917,201
Gas Cathodic Protection Program	819,910
Gas Chase Rd Gate Stn and HP Main Project	4,682,972
Gas Deteriorated Steel Pipe Replacement Program	1,254,728
Gas East Medford HP Main Reinforcement Project	811,519
Gas Goldendale HP Main Reinforcement Project	11,877
Gas Isolated Steel Replacement Program	1,852,777
Gas Ladd Canyon Gate Station	802,785
Gas N-S Corridor Greene St HP Main Project	10,453
Gas Non-Revenue Program	6,638,103
Gas Oakland Bridge HP Main Gas Project	267,113
Gas Overbuilt Pipe Replacement Program	689,176
Gas PMC Program	1,200,035
Gas Regulator Stn Replacement Program	659,726
Gas Reinforcement Program	1,214,978
Gas Replacement Street and Highway Program	4,432,448
Gas Spokane St Bridge IP Main Project	24,338
Gas Telemetry Program	294,917
Old Hwy 95 Relocation	803
Total Gas	42,585,860
Base Load Hydro	664,784
Base Load Thermal Plant	2,244,542
Cabinet Gorge Unit 1 Refurbishment	5,428,959
Colstrip Thermal Capital	5,626,450
Coyote Springs LTSA	838,472
CS2 Capital Improvements	(7,879)
Generation Battery Replacement	183,845
Kettle Falls Water Supply	750,879
KFGS Ash Collector	2,144,343
Little Falls Plant Upgrade	9,548,799
Nine Mile Rehab	26,059,264
Noxon Rapids Turbine Replacement	42,986
Noxon Spare Coils	38,875
Peaking Generation	82,772
Post Falls South Channel Replacement	6,597,792
Regulating Hydro	2,519,775
Total Generation	62,764,658

Capital Expenditures by Business Case December 2014

Business Case	YTD Actual
New Revenue - Growth	43,135,822
Lewiston Mill Road Sub	3,021,696
Total Growth	46,157,518
AvistaUtilities.com and AvaNet Redesign	1,144,002
Enterprise Business Continuity Plan	463,780
Enterprise Security	2,614,041
High Voltage Protection for Substations	489,905
Microwave Refresh	929,594
Mobility in the Field	530,896
Next Generation Radio Refresh	3,227,541
RTCCS Refresh	(1,348)
Technology Expansion to Enable Business Process	4,645,512
Technology Refresh to Sustain Business Process	15,215,613
Transmission Outage Management	65,800
CSS Replacement	42,053,398
Total ET	71,378,734
Apprentice Training	62,984
Capital Tools & Stores Equipment	1,887,318
Clinic Expansion Project	2,171
COF Long-Term Restructuring Plan	1,180,126
Dollar Rd Service Center Addition and Remodel	1,194
Fleet Budget	5,862,363
Franchising for WSDOT	149,573
HVAC Renovation Project	6,273,461
Jackson Prairie Storage	727,926
New Deer Park Service Center	7,040
Structures and Improvements/Furniture	3,447,441
Productivity Initiative	1,742,944
Strategic Initiatives	367,090
CNG Fleet Conversion	1,197,209
GridGlo GFX Integration	422,235
Total Other	23,331,074
Clearwater Sub Upgrades	1,183,046
Colstrip Transmission	249,307
Dist Grid Modernization	10,140,626
Distribution Line Protection	291,871
Distribution Minor Rebuild	8,227,139
Distribution Transformer Change-Out Program	3,747,953
Distribution Wood Pole Management	9,512,319
Elec Replacement/Relocation	1,374,996
Harrington 4 kV Cutover	28,954
Meter Minor Blanket	317,678
Moscow 230 Sustation Rebuild	2,054,257

Capital Expenditures by Business Case December 2014

Business Case	YTD Actual
Noxon Switchyard Rebuild	4,292,376
Primary URD Cable Replacement	737,639
SCADA - SOO & BUCC	1,232,388
Segment Reconductor and FDR Tie Program	2,653,295
Smart Grid Demonstration Project	432,151
Smart Grid Workforce Training Grant - DOE	30,728
Spokane Electric Network	1,891,395
Spokane Smart Circuit	(56,061)
Spokane Valley Transmission Reinforcement	1,858,135
Storms	10,108,199
Substation - 115 kV Line Relay Upgrades	74,204
Substation - Asset Mgmt. Capital Maintenance	3,653,936
Substation - Capital Spares	1,957,055
Substation - Distribution Station Rebuilds	6,014,421
Substation - New Distribution Stations	3,183,998
T&D Reimbursable	339,374
Thornton 230 kV Switching Station	1,848
Transmission - Asset Management	4,239,464
Transmission - NERC High Priority Mitigation	1,976,969
Transmission - NERC Low Priority Mitigation	1,193,697
Transmission - NERC Medium Priority Mitigation	1,890,745
Transmission - Reconductors and Rebuilds	6,538,020
Tribal Permits and Settlements	314,732
Westside Rebuild	1,927
Worst Feeders	1,906,993
Total T&D	93,595,773
Subtotal Capital Expenditures	351,553,982

Total Capital Expenditures	351,553,982

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ATTACHMENTS 2-2.6

SPEND AND TRANSFERS TO PLANT BY ER



Year	Beginning Balance - CWIP	Actual Spend	Attach.	Forecast Spend	Atta	Actual Transfers to Plant	Attach.	Forecast Transfers to Plant	Atta	Ending Balance CWIP
		•		•						
2007										75,679,8
2008	75,679,838	214,676,440				(214,788,054)				75,568,2
2009	75,568,224	203,921,574				(222,272,320)				57,217,4
2010	57,217,478	197,852,082				(194,303,406)				60,766,1
2011	60,766,153	246,790,433				(229,374,357)				78,182,2
2012 ¹	78,182,229	264,615,808				(203,284,146)				139,513,8
2013	139,513,892	295,863,630	2.1	268,312,000		(272,392,659)	2.4	(220,444,921)		162,984,8
2014	162,984,863	351,553,982	2.2	331,000,000		(279,642,278)	2.5	(329,175,816)		234,896,5
2015	234,896,568			376,313,654	2.3	,		(479,996,088)	2.6	131,214,1
2016	131,214,134			350,000,000				(356,701,055)		124,513,0
2017	124,513,079			350,000,000				(365,985,095)		108,527,9
Total 20	08-2017	1,775,273,948		1,675,625,654		(1,616,057,218)		(1,752,302,975)		
	-	CWIP balance began t	-	nly due to long-term	project	s, such as the Compar	ny's Custom	er Information System	m (CIS)	Project, which
: 1) The	above data was e	xtracted from the o	l eneral led	ger (discoverer) a	and inc	cludes all spend a	nd transfe	ers to plant that oc	curred	l. includina

Capital	Budget Report		
	ber 2013 - Actual Spend		
F.,	Dusiness Case Description	Fr Dane	Vtd Astual
Er 6000	Business Case Description Environmental Compliance	PCB Identification & Disposal	Ytd Actual 46,419
6001	Hydro Safety Minor Blanket	Hydro Generation Minor Blanket	3,490
6101	Environmental Compliance	Forest Srvc Rgmts	205,924
6100	Clark Fork Settlement Agreement	Clark Fork License/Compliance	127,777
6103	Clark Fork Settlement Agreement	Clark Fork Implement PME Agreement	4,562,753
6107	Spokane River License Implementation	Spokane River Implementation (PM&E)	2,853,736
		Total Environmental	7,800,100
3000 3001	Gas Reinforcement Program Gas Deteriorated Steel Pipe Replacement Program	Gas Reinforce-Minor Blanket	1,043,607
3001	Gas Regulator Stn Replacement Program	Replace Deteriorating Gas System Regulator Reliable - Blanket	689,758 626,711
3003	Gas Replacement Street and Highway Program	Gas Replace-St&Hwy	3,693,835
3004	Gas Cathodic Protection Program	Cathodic Protection-Minor Blanket	619,209
3005	Gas Non-Revenue Program	Gas Distribution Non-Revenue Blanket	8,380,639
3006	Gas Overbuilt Pipe Replacement Program	Overbuilt Pipe Replacement Blanket	634,286
3007	Gas Isolated Steel Replacement Program	Starting in 2012, the CWIP balance began to grow, mainly d	2,288,335
3008	Aldyl A Replacement	Aldyl -A Pipe Replacement	13,205,373
3117	Gas Telemetry Program	Gas Telemetry	421,360
3203	Gas East Medford HP Main Reinforcement Project	East Medford Reinforcement	400,407
3237	Gas N Spokane Hwy 2 HP Main Reinforcement Project Gas Chase Rd Gate Stn and HP Main Project	US2 N Spokane Gas HP Reinforce (Kaiser Property) Construct Chase Rd Gate Stn Post Falls ID	4,880
3246 3257	Gas Oakland Bridge HP Main Gas Project	Oakland Bridge Bore & Relocation, Oakland OR	1,190,095 16,776
3268	Gas Reinforcement Program	Reinforcement Appleway Bridge Crossing, Lib Lk, WA	150,029
3291	Smart Grid Demonstration Project	Install Gas AMI for Pullman Smart Grid	2,292
3293	Completed	Klamath Falls Lateral	40,822
3297	Completed	Hwy 95 Relocation and Replacement w/ 6" PE	164,043
3298	Old Hwy 95 Relocation	Old Hwy 95 Relocation	5,988
3299	Completed	Tri City, OR Easement & 6" HP Relocation	1,806
3300	Reinforce-Pierce Rd, La Grande	Reinforce-Pierce Rd, La Grande	(11,134)
3302	Gas Replacement Street and Highway Program	HWY 62 - HP & IP Main Relocation & SSFT #1316	1,038,098
3305	Gas Spokane St Bridge IP Main Project	Spokane St Bridge Gas Main Total Gas	86,187 34,693,403
4108	Generation Battery Replacement	System Battery Replacement	55,071
4132	CS2 Capital Improvements	CS2 Capital Improvements	(5,236)
4139	Noxon Rapids Turbine Replacement	Noxon Unit 4 Runner Upgrade	(1,731)
4140	Nine Mile Rehab	Nine Mile Redevelopment	10,794,355
4143	Coyote Springs LTSA	CS2 LTSA Cash Accrual	996,162
4147	Base Load Hydro	Base Hydro	905,557
4148	Regulating Hydro	Regulating Hydro	2,517,815
4149	Base Load Thermal Plant	Base Load Thermal	6,852,276
4150 4151	Peaking Generation Kettle Falls Water Supply	Peaking Generation Kettle Falls Develop New River Wells	592,861 500,146
4152	Little Falls Plant Upgrade	Little Falls Powerhouse Redevelopment	5,354,564
4153	Completed	Post Falls Intake Gate Replacement	900,661
4154	Completed	Rathdrum CT Upgrade Unit 1 to Mark VI Controller	459,494
4159	Completed	RCT Unit #2 Hot Gas Path Overhaul	220,911
4160	Completed	GPSS Electric Shp 5Ton Crane Replacement	9,933
4161	Cabinet Gorge Unit 1 Refurbishment	Cabinet Gorge HED U#1 Refurbishment	1,380,860
4162	Post Falls South Channel Replacement	Post Falls S Channel Gate Replacement	1,133,149
7130	Colstrip Thermal Capital	Colstrip Unit 4 Outage due to Generator Failure	950,470
1000	New Revenue - Growth	Total Generation Electric Revenue Blanket	33,617,318
1000	New Revenue - Growth	Gas Revenue Blanket	13,615,586 13,545,936
1001	New Revenue - Growth	Electric Meters Minor Blanket	596,683
1002	New Revenue - Growth	Distribution Line Transformers	6,008,448
1004	New Revenue - Growth	Street Lt Minor Blanket	985,560
1005	New Revenue - Growth	Area Light Minor Blanket	595,162
1009	New Revenue - Growth	Network Transformers and Network Protectors	900,390
1050	New Revenue - Growth	Gas Meters Minor Blanket	1,910,571
1051	New Revenue - Growth	Gas Regulators Minor Blanket	379,633
1053	New Revenue - Growth New Revenue - Growth	Gas ERT Minor Blanket	803,829
1106 1107	Lewiston Mill Road Sub	Lucky Friday 115 kV Rebuild for Load Growth Lewiston Mill Rd. 115 kV Substation - New Sub	1,699,278 61,654
1107	LOWISION WITH TOOK OUD	Total Growth	41,102,732
5005	Technology Refresh to Sustain Business Process	Technology Refresh Blanket	10,562,090
5006	Technology Expansion to Enable Business Process	Information Technology Expansion Blanket	5,616,386
5010	Enterprise Business Continuity Plan	Enterprise Business Continuity	469,041
5014	Enterprise Security	Security Systems	1,496,792
5106	Next Generation Radio Refresh	Next Generation Radio System	2,665,089

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	Budget Report ber 2013 - Actual Spend		
	·		
Er	Business Case Description	Er Desc	Ytd Actual
5119	RTCCS Refresh	Moducom Replacement (RTCCS)	150,275
5121	Microwave Refresh CSS Replacement	Microwave Replacement with Fiber	1,488,315
5138 5142	High Voltage Protection for Substations	Customer Information System (CIS) Replacement High Voltage Protection Upgrade	34,404,582 696,307
5142	AvistaUtilities.com and AvaNet Redesign	AU.com AVANet Redevelopment	402,202
5144	Mobility in the Field	Mobility in the Field	50,656
0111	mosmy in the Flora	Total ET	58,001,734
7000	Fleet Budget	Transportation Equip	5,648,491
7001	Structures and Improvements/Furniture	Structures & Improv	2,856,738
7002	Capital Tools & Stores Equipment	Office Mach & Equiq	33,539
7003	Structures and Improvements/Furniture	Office Furniture	795,323
7005	Capital Tools & Stores Equipment	Stores Equip	434,639
7006	Capital Tools & Stores Equipment	Tools Lab & Shop Equipment	293,063
7101	HVAC Renovation Project	COF HVAC Improvmt	7,960,327
7107	Dollar Rd Service Center Addition and Remodel	Dollar Road Land Purchase and Facility Expansion	1,397,715
7114	Vehicle Portion of Solar Plug In Hybrid Initiative	Vehicle Portion of Solar Plug In Hybrid Initiative	(520)
7108	Franchising for WSDOT	WSDOT Highway Franchise Consolidation	128,108
7120	Clinic Expansion Project	Spokane Health Clinic	136,374
7126	COF Long-Term Restructuring Plan	Long term Campus Re-Structuring Plan for 2012 & 13	7,732,623
7200	Apprentice Training	Appren Craft Train Jackson Prairie Storage	39,459
7201	Jackson Prairie Storage		446,639
7205 7050	Smart Grid Workforce Training Grant - DOE Productivity	Smart Grid Workforce Training Productivity Initiative	163,436 8,826,505
7127	CNG Fleet Conversion	CNG Fleet Conversion	946,362
7129	GridGlo GFX Integration	GridGlo GFX Integration	186,271
7123	Gladio di X ilitegration	Total Other	38,025,094
1006	Substation - Capital Spares	Power Xfmr-Distribution	3,646,711
2001	Substation - Capital Spares	Power Circuit Breaker	1,595,683
2051	Storms	Transmission Minor Blanket	1,496,984
2054	Primary URD Cable Replacement	Electric Underground Replacement	982,815
2055	Distribution Minor Rebuild	Electric Distribution Minor Blanket	10,213,967
2056	Elec Replacement/Relocation	T&D Line Relocation	2,084,405
2057	Transmission - Asset Management	Transmission Minor Rebuild	970,036
2058	Spokane Electric Network	Spokane Electric Network Incr Capacity	1,899,039
2059	Storms	Failed Electric Plant-Unknown	2,733,229
2060	Distribution Wood Pole Management	Wood Pole Mgmt	9,258,713
2061	Elec Replacement/Relocation	WSDOT Franchise Requirements	108,473
2070	T&D Reimbursable	Trans/Dist/Sub Reimbursable Projects	303,912
2073	Meter Minor Blanket	Elec Meter Replacement Non Revenue	14,750
2112	Substation - Distribution Station Rebuilds	Beacon 230 kV Sub- Convert to DB-DB	(16,815)
2204 2214	Substation - Distribution Station Rebuilds Colstrip Transmission	System Wood Substation Rebuilds Colstrip Transmission Capital Additions	1,385,776
2214	Substation - Asset Mgmt. Capital Maintenance	System Rplc High Voltage OCBs	418,080 177,488
2217	Substation - 115 kV Line Relay Upgrades	Spokane-CDA 115 kV Line Relay Upgrades	202,320
2251	Spokane Electric Network	Spokane-CDA 115 kV Line Relay Upgrades	467,056
2252	Substation - Asset Mgmt. Capital Maintenance	System-Replace Obsolete Equipment	904,360
2253	Substation - Asset Mgmt. Capital Maintenance	System-Upgrade Meters	94,895
2254	Transmission - Asset Management	System 115kV Air Switch Upgrade	150,556
2260	Substation - Asset Mgmt. Capital Maintenance	System-Upgrade Surge Protection	6,386
2273	Substation - Asset Mgmt. Capital Maintenance	Beacon ST YD-Oil Contain	47,836
2275	Substation - Asset Mgmt. Capital Maintenance	System-Rock/Fence Restore	84,940
2276	Distribution Line Protection	Distribution Line Protection	250,438
2277	SCADA - SOO & BUCC	SCADA Replacement	236,459
2278	Substation - Asset Mgmt. Capital Maintenance	System-Replace Obsolete Reclosers	325,350
2283	Substation - Distribution Station Rebuilds	Millwood Sub-Increase Capacity	2,096,709
2289	Harrington 4 kV Cutover	Harrington Conversion to 13 kV	5,332
2293	Substation - Asset Mgmt. Capital Maintenance	SCADA II-Add Supv	228,493
2294	Substation - Asset Mgmt. Capital Maintenance	System-Batteries	211,826
2301	Tribal Permits and Settlements	Tribal Permits and Settlements	341,372
2306	Substation - Distribution Station Rebuilds	Appleway 115-13 Increase Capacity	262,387
2310	Transmission - Reconductors and Rebuilds	West Plains Transmission Reinforce	413
2336 2341	Substation - Asset Mgmt. Capital Maintenance Substation - Distribution Station Rebuilds	System - Replace Dist Power Xfmrs Ninth & Central Sub - Increase Capacity & Rebuild	293,794 507
	Substation - Distribution Station Rebuilds Substation - Distribution Station Rebuilds	PineCk 230Sub-Rplc Circuit Switch&Relays	128,599
ワスパン		· · · · · · · · · · · · · · · · · · ·	238,590
2342	ISubstation - Asset Mamt Capital Maintenance	ISVStem - Replace/Install Substation Structures	
2343	Substation - Asset Mgmt. Capital Maintenance Substation - Distribution Station Rebuilds	System - Replace/Install Substation Structures Otis Orchards 115-Replace PCBs & Relays	
	Substation - Asset Mgmt. Capital Maintenance Substation - Distribution Station Rebuilds Substation - Asset Mgmt. Capital Maintenance	Otis Orchards 115-Replace PCBs & Relays System-Install Metering Ancillary Svc	475 36,768

Capital	Budget Report		
	ber 2013 - Actual Spend		
Er	Business Case Description	Er Desc	Ytd Actual
2423	Transmission - Reconductors and Rebuilds	System Transmission:Rebuild Condition	114,589
2425	Substation - Asset Mgmt. Capital Maintenance	High Voltage Fuse Upgrades	78,951
2443	Substation - New Distribution Stations	Otis Orchards 115-13kV Sub-New Construct	603,818
2446	Spokane Valley Transmission Reinforcement	Irvin 115 kV Switching Station - New Const	932,921
2449	Substation - Asset Mgmt. Capital Maintenance	Shw-Sun 115 Nelson Steel	542,180
2457	Transmission - Reconductors and Rebuilds	Benton-Othello 115 Recond	17,056
2470	Dist Grid Modernization	System Efficiency Feeder Rebuild	6,217,686
2481	Substation - Asset Mgmt. Capital Maintenance	System-Replace/Install Capacitor Banks	1,073,981
2484	Moscow 230 Sustation Rebuild	Moscow 230 kV Sub -Rebuild 230 kV Yard	4,485,025
2492	Substation - Asset Mgmt. Capital Maintenance	System-Install Autotransformer Diagnostic Monitor	20,920
2493	Substation - Asset Mgmt. Capital Maintenance	System-Replace/Upgrade Voltage Regulators	470,944
2505	Substation - Asset Mgmt. Capital Maintenance	System-Replace Bushing Potential Devices	32,089
2514	Segment Reconductor and FDR Tie Program	Distribution - Spokane North & West	1,725,230
2515	Segment Reconductor and FDR Tie Program	Distribution - CdA East & North	787,673
2516	Segment Reconductor and FDR Tie Program	Distribution - Pullman & Lewis Clark	623,284
2522	Substation - Distribution Station Rebuilds	10th & Stewart Dx Int	342,639
2526	Spokane Valley Transmission Reinforcement	Opportunity 12F2 Cx Fdr	8,193
2529	Spokane Smart Circuit	Smart Grid	790,971
2530	Smart Grid Demonstration Project	SGDP-Pullman Smart Grid Demonstration Project	1,671,778
2531	Westside Rebuild	Westside 230 kV Substation - Rebuild	85,861
2532	Noxon Switchyard Rebuild	Noxon 230 kV Substation - Rebuild	231,978
2533	Substation - Distribution Station Rebuilds	Pullman Substation - Rebuild	19,582
2535	Distribution Transformer Change-Out Program	PCB Related Distribution Rebuilds	2,846,360
2538	Substation - Distribution Station Rebuilds	College & Walnut Substation Yard Expansion	83,286
2545	Thornton 230 kV Switching Station	Thornton 230 kV Switching Station - Construct	19,166
2546	Substation - Distribution Station Rebuilds	Blue Creek 115 kV - Rebuild	259,493
2547	Substation - Distribution Station Rebuilds	Lucky Friday 115 kV - Rebuild	218,747
2549	Transmission - Reconductors and Rebuilds	Moscow City to North Lewiston 115kV Rebuild Proj	6,445,399
2550	Transmission - Reconductors and Rebuilds	Burke-Thompson A&B 115kV Transmission Rebuld Proj	2,190,649
2552	Spokane Valley Transmission Reinforcement	Opportunity 115 kV Switching Station	10,873
2553	Transmission - NOX-HOT #2 230kV Reroute	Noxon - Hot Springs #2 230kV Reroute	948
2554	Dist Grid Modernization	Feeder Automation Upgrades	30,145
2555	Westside Rebuild	Coulee-Westside 230kV Transmission Line: R-O-W	2,868
2559	Substation - Distribution Station Rebuilds	Hatwai-Replace Breaker A-113 & Assoc Air Switches	6,992
2560	Transmission - NERC High Priority Mitigation	Line Ratings Mitigation Project	1,447,903
2563	Substation - Distribution Station Rebuilds	Stratford 115kV - Upgrade Bus	180,691
2564	Transmission - Reconductors and Rebuilds	Devils Gap-Lind 115kV Transmission Rebuild Proj	23,041
2570	Dist Grid Modernization	Sandpoint Grid Modernization Project	1,064,531
2571	Clearwater Sub Upgrades	Clearwater 115 kV Substation Upgrades	929,346
2572	Substation - Distribution Station Rebuilds	Noxon Construction Sub - Minor Rebuild	18,591
2573	Substation - Distribution Station Rebuilds	Little Fall 115 kV Sub - Rebuild	32,701
2581	Transmission - NERC Medium Priority Mitigation	Medium Priority Ratings Mitigation	2,968
2001	Transmission - NERO Medium Friority Miligation	Total T&D	
		Sum	295,863,630
		Guill	CWIP Summary
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Capita	I Budget Report		
	ber 2014 - Actual Spend		
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Er	Business Case Description	Er Desc	Ytd Actual
6000 6001	Environmental Compliance Hydro Safety Minor Blanket	PCB Identification & Disposal Hydro Generation Minor Blanket	75,572 85,923
6002	Environmental Compliance	Environmental Compliance Blanket	120,395
6101	Environmental Compliance	Forest Srvc Rgmts	(687)
6100	Clark Fork Settlement Agreement	Clark Fork License/Compliance	38,724
6103	Clark Fork Settlement Agreement	Clark Fork Implement PME Agreement	9,201,237
6107	Spokane River License Implementation	Spokane River Implementation (PM&E)	2,147,203
6109	Wa State Park & Rec Utility Use Agreement	Wa St Park Utility Use Agreement	71,998
		Total Environmental	11,740,365
3000	Gas Reinforcement Program	Gas Reinforce-Minor Blanket	1,214,978
3001 3002	Gas Deteriorated Steel Pipe Replacement Program	Replace Deteriorating Gas System	1,254,728
3002	Gas Regulator Stn Replacement Program Gas Replacement Street and Highway Program	Regulator Reliable - Blanket Gas Replace-St&Hwy	659,726 4,429,277
3003	Gas Cathodic Protection Program	Cathodic Protection-Minor Blanket	819,910
3005	Gas Non-Revenue Program	Starting in 2012, the CWIP balance began to grow, mainly of	
3006	Gas Overbuilt Pipe Replacement Program	Overbuilt Pipe Replacement Blanket	689,176
3007	Gas Isolated Steel Replacement Program	Isolated Steel Replacement	1,852,777
3008	Aldyl A Replacement	Aldyl -A Pipe Replacement	16,917,201
3055	Gas PMC Program	Gas Meter Replacement Non Revenue	1,200,035
3117	Gas Telemetry Program	Gas Telemetry	294,917
3203	Gas East Medford HP Main Reinforcement Project	East Medford Reinforcement	811,519
3246	Gas Chase Rd Gate Stn and HP Main Project	Construct Chase Rd Gate Stn Post Falls ID	4,682,972
3257	Gas Oakland Bridge HP Main Gas Project	Oakland Bridge Bore & Relocation, Oakland OR	267,113
3298	Old Hwy 95 Relocation	Old Hwy 95 Relocation	803
3302	Gas Replacement Street and Highway Program	HWY 62 - HP & IP Main Relocation & SSFT #1316	3,171
3303	Gas Ladd Canyon Gate Station	Gas Ladd Canyon Gate Stn Upgrade, La Grande	802,785
3304	Gas N-S Corridor Greene St HP Main Project Gas Spokane St Bridge IP Main Project	NSC Greene St HP Gas Main	10,453
3305 3306	Gas Goldendale HP Main Reinforcement Project	Spokane St Bridge Gas Main Goldendale HP	24,338 11,877
3300	Gas Goldendale HF Mail Reliniorcement Floject	Total Gas	42,585,860
4108	Generation Battery Replacement	System Battery Replacement	183,845
4116	Colstrip Thermal Capital	Colstrip Capital Additions	6,044,868
4132	CS2 Capital Improvements	CS2 Capital Improvements	(7,879)
4139	Noxon Rapids Turbine Replacement	Noxon Rapids Unit 4 Runner Upgrade	42,986
4140	Nine Mile Rehab	Nine Mile Redevelopment	26,059,264
4143	Coyote Springs LTSA	CS2 LTSA Cash Accrual	838,472
4147	Base Load Hydro	Base Hydro	664,784
4148	Regulating Hydro	Regulating Hydro	2,519,775
4149	Base Load Thermal Plant	Base Load Thermal	2,244,542
4150	Peaking Generation	Peaking Generation	82,772
4151 4152	Kettle Falls Water Supply Little Falls Plant Upgrade	Kettle Falls Develop New River Wells	750,879
4161	Cabinet Gorge Unit 1 Refurbishment	Little Falls Powerhouse Redevelopment Cabinet Gorge HED U#1 Refurbishment	9,548,799 5,428,959
4162	Post Falls South Channel Replacement	Post Falls S Channel Gate Replacement	6,597,792
4166	Noxon Spare Coils	Noxon Rapids HED Spare Coils	38,875
4168	KFGS Ash Collector	KFGS Ash Collector	2,144,343
7130	Colstrip Thermal Capital	Colstrip Unit 4 Outage due to Generator Failure	(418,418)
		Total Generation	62,764,658
1000	New Revenue - Growth	Electric Revenue Blanket	15,392,509
1001	New Revenue - Growth	Gas Revenue Blanket	14,324,080
1002	New Revenue - Growth	Electric Meters Minor Blanket	799,283
1003	New Revenue - Growth	Distribution Line Transformers	6,728,295
1004	New Revenue - Growth	Street Lt Minor Blanket	1,361,523
1005	New Revenue - Growth	Area Light Minor Blanket	476,287
1009	New Revenue - Growth	Network Transformers & Network Protectors	1,068,337
1050	New Revenue - Growth New Revenue - Growth	Gas Meters Minor Blanket	1,998,165
1051 1053	New Revenue - Growth	Gas Regulators Minor Blanket Gas ERT Minor Blanket	295,846 684,038
1106	New Revenue - Growth	Lucky Friday 115 kV Rebuild for Load Growth	7,459
1107	Lewiston Mill Road Sub	Lewiston Mill Rd. 115 kV Substation - New Sub	3,021,696
. 101	ESTITION TOUGH OND	Total Growth	46,157,518
5005	Technology Refresh to Sustain Business Process	Information Technology Refresh Program	15,215,613
5006	Technology Expansion to Enable Business Process	Information Technology Expansion Program	4,645,512
5010	Enterprise Business Continuity Plan	Enterprise Business Continuity	463,780
5014	Enterprise Security	Security Systems	2,614,041
5106	Next Generation Radio Refresh	Next Generation Radio System	3,227,541
5119	RTCCS Refresh	Moducom Replacement (RTCCS)	(1,348)
5121	Microwave Refresh	Microwave Replacement with Fiber	929,594
5142	High Voltage Protection for Substations	High Voltage Protection Upgrade	489,905

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Decen	nber 2014 - Actual Spend		
Er	Business Case Description	Er Desc	Ytd Actual
5143	AvistaUtilities.com and AvaNet Redesign	AU.com AVANet Redevelopment	1,144,002
5144	Mobility in the Field	Mobility in the Field	530,896
5148	Transmission Outage Management	Transmission Outage Management	65,800
5138	CSS Replacement	Customer Information System (CIS) Replacement	42,053,398
		Total ET	71,378,734
7000	Fleet Budget	Transportation Equip	5,862,363
7001	Structures and Improvements/Furniture	Structures & Improv	3,359,865
7003	Structures and Improvements/Furniture	Office Furniture	87,575
7005 7006	Capital Tools & Stores Equipment Capital Tools & Stores Equipment	Stores Equip Tools Lab & Shop Equipment	403,465 1,483,853
7101	HVAC Renovation Project	COF HVAC Improvmt	6,273,461
7107	Dollar Rd Service Center Addition and Remodel	Dollar Road Land Purchase and Facility Expansion	1,194
7108	Franchising for WSDOT	WSDOT Highway Franchise Consolidation	149,573
7120	Clinic Expansion Project	Spokane Health Clinic	2,171
7126	COF Long-Term Restructuring Plan	Long term Campus Re-Structuring Plan	1,180,126
7135	New Deer Park Service Center	Deer Park Service Center	7,040
7200	Apprentice Training	Appren Craft Train	62,984
7201	Jackson Prairie Storage	Jackson Prairie Storage	727,926
7050	Productivity	Productivity Initiative	1,742,944
7060	Strategic Initiatives	Strategic Initiatives	367,090
7127	CNG Fleet Conversion	CNG Fleet Conversion GridGlo GFX Integration	1,197,209
7129	GridGlo GFX Integration	Total Other	422,235 23,331,074
1006	Substation - Capital Spares	Power Xfmr-Distribution	1,040,036
2000	Substation - Capital Spares	Power Xfmr-Transmission	722,854
2001	Substation - Capital Spares	Power Circuit Breaker	194,166
2051	Storms	Electric Transmission Plant-Storm	3.043.488
2054	Primary URD Cable Replacement	Electric Underground Replacement	737,639
2055	Distribution Minor Rebuild	Electric Distribution Minor Blanket	8,227,139
2056	Elec Replacement/Relocation	Distribution Line Relocations	1,371,057
2057	Transmission - Asset Management	Transmission Minor Rebuild	4,103,971
2058	Spokane Electric Network	Spokane Electric Network Incr Capacity	1,555,388
2059	Storms	Failed Electric Dist Plant-Storm	7,064,710
2060	Distribution Wood Pole Management	Wood Pole Mgmt	9,512,319
2061	Elec Replacement/Relocation	WSDOT Franchise Requirements Construction	3,939
2070 2073	T&D Reimbursable Meter Minor Blanket	Trans/Dist/Sub Reimbursable Projects Elec Meter Replacement Non Revenue	339,374 317,678
2204	Substation - Distribution Station Rebuilds	System Wood Substation Rebuilds	406,753
2214	Colstrip Transmission	Colstrip Transmission-PNACI Capital Additions	249,307
2215	Substation - Asset Mgmt. Capital Maintenance	System - Replace High Voltage Breakers	58,099
2217	Substation - 115 kV Line Relay Upgrades	Spokane-CDA 115 kV Line Relay Upgrades	74,204
2251	Spokane Electric Network	Post St-Improvement/Upgrades	336,007
2252	Substation - Asset Mgmt. Capital Maintenance	System - Replace/Install Relays	162,025
2253	Substation - Asset Mgmt. Capital Maintenance	System - Upgrade Meters	74,260
2254	Transmission - Asset Management	System 115kV Air Switch Upgrade	135,493
2260	Substation - Asset Mgmt. Capital Maintenance	System - Upgrade Surge Protection	119,318
2273	Substation - Asset Mgmt. Capital Maintenance	Beacon ST YD-Oil Contain	14
2275	Substation - Asset Mgmt. Capital Maintenance	System - Rock/Fence Restore	21,385
2276 2277	Distribution Line Protection SCADA - SOO & BUCC	Distribution Line Protection SCADA Upgrade	291,871 1,232,388
2278	Substation - Asset Mgmt. Capital Maintenance	System-Replace Obsolete Reclosers	338,375
2283	Substation - Distribution Station Rebuilds	Millwood Sub - Rebuild	(46,960)
2289	Harrington 4 kV Cutover	Harrington Conversion to 13 kV	28,954
2293	Substation - Asset Mgmt. Capital Maintenance	SCADA - Install/Replace	488,148
2294	Substation - Asset Mgmt. Capital Maintenance	System - Batteries	77,767
2301	Tribal Permits and Settlements	Tribal Permits and Settlements	314,732
2306	Substation - Distribution Station Rebuilds	Appleway Sub - Rebuild	11,376
2336	Substation - Asset Mgmt. Capital Maintenance	System - Replace Dist Power Xfmrs	63,762
2341	Substation - Distribution Station Rebuilds	Ninth & Central Sub - Increase Capacity & Rebuild	159
2343	Substation - Asset Mgmt. Capital Maintenance	System - Replace/Install Substation Structures	70,535
2397	Substation - Asset Mgmt. Capital Maintenance	System - Install/Replace Borderline Metering	(34,949)
2414	Worst Feeders	Sys-Dist Reliability-Improve Worst Fdrs	1,906,993
2423	Transmission - Reconductors and Rebuilds	System Transmission:Rebuild Condition	392,534
2425 2443	Substation - Asset Mgmt. Capital Maintenance	System - High Voltage Fuse Upgrades Greenacres 115-13kV Sub - New Construct	104,092
2443 2446	Substation - New Distribution Stations Spokane Valley Transmission Reinforcement	Greenacres 115-13kV Sub - New Construct Irvin Sub - New Construction	477,371 767,005
2446 2449	Substation - Asset Mgmt. Capital Maintenance	System - Replace Substation Air Switches	454,003
	Castation 7,000 ingint. Capital Maintenance	poyotom replace ourotation All owitones	+34,003
2457	Transmission - Reconductors and Rebuilds	Benton-Othello 115 Recond	2,542,534

Capita	I Budget Report		
_	ber 2014 - Actual Spend		
Er	Business Case Description	Er Desc	Ytd Actual
2481	Substation - Asset Mgmt. Capital Maintenance	System-Replace/Install Capacitor Banks	1,422,918
2484	Moscow 230 Sustation Rebuild	Moscow 230 kV Sub - Rebuild 230 kV Yard	2,054,257
2492	Substation - Asset Mgmt. Capital Maintenance	System-Install Autotransformer Diagnostic Monitor	3,123
2493	Substation - Asset Mgmt. Capital Maintenance	System-Replace/Upgrade Voltage Regulators	212,164
2505	Substation - Asset Mgmt. Capital Maintenance	System-Replace Current & Potential Devices	18,896
2514	Segment Reconductor and FDR Tie Program	Distribution - Spokane North & West	1.812.682
2515	Segment Reconductor and FDR Tie Program	Distribution - CdA East & North	840,830
2516	Segment Reconductor and FDR Tie Program	Distribution - Pullman & Lewis Clark	(217)
2522	Substation - Distribution Station Rebuilds	10th & Stewart Dx Int	(121,667)
2529	Spokane Smart Circuit	Spokane Smart Circuit	(56,061)
2530	Smart Grid Demonstration Project	SGDP-Pullman Smart Grid Demonstration Project	420,045
2531	Westside Rebuild	Westside 230 kV Substation - Rebuild	1,927
2532	Noxon Switchyard Rebuild	Noxon 230 kV Substation - Rebuild	4,292,376
2533	Substation - Distribution Station Rebuilds	Pullman Substation Rebuild	(4,482)
2535	Distribution Transformer Change-Out Program	TCOP Related Distribution Rebuilds	3,747,953
2538	Substation - Distribution Station Rebuilds	College & Walnut Substation Yard Expansion	99,294
2545	Thornton 230 kV Switching Station	Thornton 230 kV Switching Station - Construct	1,848
2546	Substation - Distribution Station Rebuilds	Blue Creek 115 kV - Rebuild	1,321,348
2547	Substation - Distribution Station Rebuilds	Lucky Friday 115 kV - Rebuild	(1,830)
2549	Transmission - Reconductors and Rebuilds	Moscow City to North Lewiston 115kV Rebuild Proj	(250,973)
2550	Transmission - Reconductors and Rebuilds	Burke-Thompson A&B 115kV Transmission Rebuld Proj	2.239.224
2552	Spokane Valley Transmission Reinforcement	Opportunity 115 kV Switching Station	1,091,130
2554	Dist Grid Modernization	Feeder Automation Upgrades	3,003
2559	Substation - Distribution Station Rebuilds	Hatwai-Replace Breaker A-113 & Assoc Air Switches	(9,879)
2560	Transmission - NERC High Priority Mitigation	Line Ratings Mitigation Project	1,976,969
2561	Substation - New Distribution Stations	Idaho Forest Group 115kV Substation	117,586
2563	Substation - Distribution Station Rebuilds	Stratford 115kV - Upgrade Bus	3,145,365
2564	Transmission - Reconductors and Rebuilds	Devils Gap-Lind 115kV Transmission Rebuild Proj	1,398,420
2569	Substation - Distribution Station Rebuilds	Gifford 115 kV - Rebuild Substation	7,874
2570	Dist Grid Modernization	Sandpoint Grid Modernization Project	1,454,465
2571	Clearwater Sub Upgrades	Clearwater 115 kV Substation Upgrades	1,183,046
2572	Substation - Distribution Station Rebuilds	Noxon Construction Sub - Minor Rebuild	992,505
2573	Substation - Distribution Station Rebuilds	Little Fall 115 kV Sub - Rebuild	12,960
2574	Transmission - Reconductors and Rebuilds	Chelan-Stratford 115kV - Rbld Columbia River Xing	210,211
2577	Transmission - Reconductors and Rebuilds	Benewah-Moscow 230kV - Structure Replacement	6,070
2579	Transmission - NERC Low Priority Mitigation	Low Priority Ratings Mitigation	1,193,697
2581	Transmission - NERC Medium Priority Mitigation	Medium Priority Ratings Mitigation	1,890,745
2587	Substation - New Distribution Stations	Irvin 115-13 kV Sub - Add Distribution Station	111,505
2589	Substation - New Distribution Stations Substation - New Distribution Stations	Mobile Substation - Purchase New Mobile Subs	2,477,536
2590	Substation - Distribution Station Rebuilds	Deer Park 115 kV Substation - Minor Rebuild	185,488
2591	Substation - Distribution Station Rebuilds	Davenport 115 kV Substation - Minor Rebuild	13,285
2592	Substation - Distribution Station Rebuilds	Sprague 115 kV Substation - Minor Rebuild	2,833
3291	Smart Grid Demonstration Project	Install Gas AMI for Pullman Smart Grid	12,106
7205	Smart Grid Workforce Training Grant - DOE	Smart Grid Workforce Training	30,728
. 200	S Sha from 6100 Hailing Grant BOL	Total T&D	
		Sum	351,553,982
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Capital Budget Report 2015 - Budgeted Spend

Er	Business Case Description	Er Desc	Annual Budget
6000	Environmental Compliance	PCB Identification & Disposal	150,000
6001	Hydro Safety Minor Blanket	Hydro Generation Minor Blanket	70,001
6002	Environmental Compliance	Environmental Compliance Blanket	250,000
6101	Environmental Compliance	Forest Srvc Rqmts	100,000
6100	Clark Fork Settlement Agreement	Clark Fork License/Compliance	100,001
6103	Clark Fork Settlement Agreement	Clark Fork Implement PME Agreement	9,851,213
6107	Spokane River License Implementation	Spokane River Implementation (PM&E)	11,327,901
		Total Environmental	21,849,116
3000	Gas Reinforcement Program	Gas Reinforce-Minor Blanket	1,000,002
3001	Gas Deteriorated Steel Pipe Replacement Program	Replace Deteriorating Gas System	1,000,002
3002	Gas Regulator Stn Replacement Program	Regulator Reliable - Blanket	800,002
3003	Gas Replacement Street and Highway Program	Gas Replace-St&Hwy	4,500,010
3004	Gas Cathodic Protection Program	Cathodic Protection-Minor Blanket	950,003
3005	Gas Non-Revenue Program	Gas Distribution Non-Revenue Blanket	6,000,012
3006	Gas Overbuilt Pipe Replacement Program	Starting in 2012, the CWIP balance began to grow, mainly of	900,004
3007	Gas Isolated Steel Replacement Program	Isolated Steel Replacement	3,450,001
3008	Aldyl A Replacement	Aldyl -A Pipe Replacement	16,817,430
3054	Gas ERT Replacement Program	Gas ERT Replacement Program	401,895
3055	Gas PMC Program	Gas Meter Replacement Non Revenue	1,030,004
3117	Gas Telemetry Program	Gas Telemetry	400,001
3203	Gas East Medford HP Main Reinforcement Project	East Medford Reinforcement	4,999,908
3301	Gas Rathdrum Prairie HP Main Reinforcement Project	Rathdrum Prairie HP Gas Reinforcement	99,964
3305	Gas Spokane St Bridge IP Main Project	Spokane St Bridge Gas Main	999,999
3306	Gas Goldendale HP Main Reinforcement Project	Goldendale HP	3,504,912
3307	Bonanza Gate Stn Move	Bonanza Gate Stn Move	600,486
		Total Gas	47,454,635
4108	Generation Battery Replacement	System Battery Replacement	250,001
4116	Colstrip Thermal Capital	Colstrip Capital Additions	4,121,102
4140	Nine Mile Rehab	Nine Mile Redevelopment	23,076,917
4142	CS2 LTSA Capital Add	CS2 LTSA Capital Add	740,001
4147	Base Load Hydro	Base Hydro	1,149,001
4148	Regulating Hydro	Regulating Hydro	3,533,000
4149	Base Load Thermal Plant	Base Load Thermal	2,200,002
4150	Peaking Generation	Peaking Generation	500,002
4152	Little Falls Plant Upgrade	Little Falls Powerhouse Redevelopment	8,800,015
4161	Cabinet Gorge Unit 1 Refurbishment	Cabinet Gorge HED U#1 Refurbishment	4,900,001
4162	Post Falls South Channel Replacement	Post Falls S Channel Gate Replacement	1,570,002
4163	Cabinet Gorge Automation Replacement	Cabinet Gorge HED Automation Replacement	500,000
4164	Long Lake Plant Upgrades	Long Lake Plant Upgrades	190,001
4169	Long Lake Replace Field Windings	Long Lake HED Replace Field Windings	1,572,001
4171	Noxon Station Service	Noxon Station Service	343,229
		Total Generation	53,445,275
1000	New Revenue - Growth	Electric Revenue Blanket	13,010,109
1001	New Revenue - Growth	Gas Revenue Blanket	13,343,413
1002	New Revenue - Growth	Electric Meters Minor Blanket	550,000
1003	New Revenue - Growth	Distribution Line Transformers	6,500,400
1004	New Revenue - Growth	Street Lt Minor Blanket	700,013
1005	New Revenue - Growth	Area Light Minor Blanket	600,010
1009	New Revenue - Growth	Network Transformers & Network Protectors	920,000
1050	New Revenue - Growth	Gas Meters Minor Blanket	1,880,300
1051	New Revenue - Growth	Gas Regulators Minor Blanket	329,584
1053	New Revenue - Growth	Gas ERT Minor Blanket	678,333
5005	T	Total Growth	38,512,162
5005	Technology Refresh to Sustain Business Process	Information Technology Refresh Program	16,094,833
5006	Technology Expansion to Enable Business Process	Information Technology Expansion Program	5,799,089
5010	Enterprise Business Continuity Plan	Enterprise Business Continuity	450,000
5014	Enterprise Security	Security Systems	3,200,009
5106	Next Generation Radio Refresh	Next Generation Radio System	458,026
5121	Microwave Refresh	Microwave Replacement with Fiber	2,276,679
5138	CSS Replacement	Customer Information System (CIS) Replacement	19,313,778
5142	High Voltage Protection for Substations	High Voltage Protection Upgrade	419,028
5143	AvistaUtilities.com and AvaNet Redesign	AU.com AVANet Redevelopment	4,000,000
5144	Mobility in the Field	Mobility in the Field	420,000
5147	AFM COTS Migration	AFM COTS Migration	4,602,024
		Total ET	57,033,466
7000	Fleet Budget	Transportation Equip	7,700,001

Capital Budget Report 2015 - Budgeted Spend

Er	Business Case Description	Er Desc	Annual Budget
7001	Structures and Improvements/Furniture	Structures & Improv	3,400,001
7003	Structures and Improvements/Furniture	Office Furniture	1,200,001
7005	Capital Tools & Stores Equipment	Stores Equip	648,325
7006	Capital Tools & Stores Equipment	Tools Lab & Shop Equipment	1,700,000
7101	HVAC Renovation Project	COF HVAC Improvmt	5,750,001
7108	Franchising for WSDOT	WSDOT Highway Franchise Consolidation	427,376
7126	COF Long-Term Restructuring Plan	Long term Campus Re-Structuring Plan	7,500,001
7131	COF LngTrm Restruct Ph2	COF Long Term Restructuring Plan Phase 2	2,000,001
7132	Dollar Rd Service Center Addition and Remodel	Dollar Rd Service Center Addition and Remodel	2,000,001
7135	New Deer Park Service Center	Deer Park Service Center	2,750,003
7137	Sandpoint Renovation	Sandpoint Service Center	500,000
7200	Apprentice Training	Appren Craft Train	60,001
7201	Jackson Prairie Storage	Jackson Prairie Storage	1,356,300
		Unallocated Budget	471,988
		Total Other	37,464,000
1006	Substation - Capital Spares	Power Xfmr-Distribution	1,200,000
2000	Substation - Capital Spares	Power Xfmr-Transmission	4,000,000
2001	Substation - Capital Spares	Power Circuit Breaker	800,000
2051	Storms	Electric Transmission Plant-Storm	1,000,002
2054	Primary URD Cable Replacement	Electric Underground Replacement	1,000,004
2055	Distribution Minor Rebuild	Electric Distribution Minor Blanket	8,300,018
2056	Elec Replacement/Relocation	Distribution Line Relocations	2,400,011
2057	Transmission - Asset Management	Transmission Minor Rebuild	1,489,457
2058	Spokane Electric Network	Spokane Electric Network Incr Capacity	1,800,316
2059	Storms	Failed Electric Dist Plant-Storm	2,000,010
2060	Distribution Wood Pole Management	Wood Pole Mgmt	11,000,009
2073	Meter Minor Blanket	Elec Meter Replacement Non Revenue	299,998
2204	Substation - Distribution Station Rebuilds	System Wood Substation Rebuilds	555,312
2214	Colstrip Transmission	Colstrip Transmission-PNACI Capital Additions	491,435
2215	Substation - Asset Mgmt. Capital Maintenance	System - Replace High Voltage Breakers	400,000
2217	Substation - 115 kV Line Relay Upgrades	Spokane-CDA 115 kV Line Relay Upgrades	1,000,001
2237	Spokane Electric Network	Metro FDR Upgrade	499,997
2252	Substation - Asset Mgmt. Capital Maintenance	System - Replace/Install Relays	350,000
2253	Substation - Asset Mgmt. Capital Maintenance	System - Upgrade Meters	50,001
2254	Transmission - Asset Management	System 115kV Air Switch Upgrade	220,001
2275	Substation - Asset Mgmt. Capital Maintenance	System - Rock/Fence Restore	100,001
2276	Distribution Line Protection	Distribution Line Protection	125,001
2277	SCADA - SOO & BUCC	SCADA Upgrade	1,020,000
2278	Substation - Asset Mgmt. Capital Maintenance	System-Replace Obsolete Reclosers	407,720
2280	Substation - Asset Mgmt. Capital Maintenance	System - Replace Obsolete Circuit Switchers	50,001
2289	Harrington 4 kV Cutover	Harrington Conversion to 13 kV	2,000,066
2293	Substation - Asset Mgmt. Capital Maintenance	SCADA - Install/Replace	200,000
2294	Substation - Asset Mgmt. Capital Maintenance	System - Batteries	150,002
2301	Tribal Permits and Settlements	Tribal Permits and Settlements	1,429,782
2310	Transmission - Reconductors and Rebuilds	West Plains Transmission Reinforce	25,002
2336	Substation - Asset Mgmt. Capital Maintenance	System - Replace Dist Power Xfmrs	300,001
2341	Substation - Distribution Station Rebuilds	Ninth & Central Sub - Increase Capacity & Rebuild	1,250,000
2414	Worst Feeders	Sys-Dist Reliability-Improve Worst Fdrs	1,999,194
2423	Transmission - Reconductors and Rebuilds	System Transmission:Rebuild Condition	2,500,001
2425	Substation - Asset Mgmt. Capital Maintenance	System - High Voltage Fuse Upgrades	100,001
2443	Substation - New Distribution Stations	Greenacres 115-13kV Sub - New Construct	1,376,137
2446	Spokane Valley Transmission Reinforcement	Irvin Sub - New Construction	2,500,003
2449	Substation - Asset Mgmt. Capital Maintenance	System - Replace Substation Air Switches	200,001
2457	Transmission - Reconductors and Rebuilds	Benton-Othello 115 Recond	3,600,001
2470	Dist Grid Modernization	Dist Grid Modernization	10,845,013
2474	Spokane Valley Transmission Reinforcement	Beacon-Boulder #2 115: Capacity Upgrade	25,002
2481	Substation - Asset Mgmt. Capital Maintenance	System-Replace/Install Capacitor Banks	1,400,001
2492	Substation - Asset Mgmt. Capital Maintenance	System-Install Autotransformer Diagnostic Monitor	50,001
2493	Substation - Asset Mgmt. Capital Maintenance	System-Replace/Upgrade Voltage Regulators	350,000
2514	Segment Reconductor and FDR Tie Program	Distribution - Spokane North & West	2,121,040
2515	Segment Reconductor and FDR Tie Program	Distribution - CdA East & North	814,269
2516	Segment Reconductor and FDR Tie Program	Distribution - Pullman & Lewis Clark	799,205
2531	Westside Rebuild	Westside 230 kV Substation - Rebuild	750,001
2532	Noxon Switchyard Rebuild	Noxon 230 kV Substation - Rebuild	7,300,002
2535	Distribution Transformer Change-Out Program	TCOP Related Distribution Rebuilds	4,700,001
2552	Spokane Valley Transmission Reinforcement	Opportunity 115 kV Switching Station	1,850,000

Exhibit No. ____ (DCG-20) Dockets UE-150204/UG-150205 Page 22 of 303

Capital Budget Report 2015 - Budgeted Spend

Er	Business Case Description	Er Desc	Annual Budget
2557	Transmission - Reconductors and Rebuilds	9CE-Sunset 115kV Transmission Line: Rebuild	25,002
2564	Transmission - Reconductors and Rebuilds	Devils Gap-Lind 115kV Transmission Rebuild Proj	3,947,146
2569	Substation - Distribution Station Rebuilds	Gifford 115 kV - Rebuild Substation	1,199,294
2570	Dist Grid Modernization	Sandpoint Grid Modernization Project	75,001
2571	Clearwater Sub Upgrades	Clearwater 115 kV Substation Upgrades	500,001
2573	Substation - Distribution Station Rebuilds	Little Fall 115 kV Sub - Rebuild	775,003
2577	Transmission - Reconductors and Rebuilds	Benewah-Moscow 230kV - Structure Replacement	7,815,804
2579	Transmission - NERC Low Priority Mitigation	Low Priority Ratings Mitigation	500,002
2580	S Region Voltage Control	South Region Transmission Voltage Control	900,001
2581	Transmission - NERC Medium Priority Mitigation	Medium Priority Ratings Mitigation	3,294,001
2584	Street Light Management	Street Light Conversion to LED Fixtures	1,500,007
2586	Washington AMI	Washington AMI	10,000,013
2590	Substation - Distribution Station Rebuilds	Deer Park 115 kV Substation - Minor Rebuild	829,704
		Total T&D	120,555,000
		Sum	376.313.654

CWIP Summary

2013 TRANSFE	RS TO	PLANT	-ACTUAL			
Attachment 2.4	ļ					
2 (2		0 1				
Sum of Current	t Activit	y Cost Juris	SUM			
Depreciation	Asset	dictio				
•	Service		Business Case	Erval	Er desc	Grand Total
Elec						
Distribution						
360-373	CD	AA	Environmental Compliance	6000	PCB Identification & Disposal	
		AA Tot	ial			7,946
	ED	AN	Elec Replacement/Relocation	2056	Distribution Line Relocations	17,297
		7 1	Substation - Asset Mgmt. Capital			,
			Maintenance	2253	System - Upgrade Meters	38,217
					System - Rock/Fence	
					Restore	10
				2293	SCADA - Install/Replace System - Replace Dist Power	22,035
				2336	Xfmrs	64,682
					System - Replace/Install	- ,
				2343	Substation Structures	207,701
					System - High Voltage Fuse	
			Substation - Distribution Station	2425	Upgrades System Wood Substation	85,021
			Rebuilds	2204	Rebuilds	37,330
			Rebuilds		Millwood Sub - Rebuild	62,132
					Appleway Sub - Rebuild	526,057
					10th & Stewart Dx Int	374,440
					System	
		Ctautia	Transmission - Reconductors and	0.400	Transmission:Rebuild	42.040
		Startin	Rebuilds	2423	Condition	43,818
					Moscow City to North	
				2549	Lewiston 115kV Rebuild Proj	6,447,156
		AN To				7,925,896
		ID	Dist Grid Modernization	2470	Dist Grid Modernization	1,595,824
			Distribution Minor Rebuild	2055	Electric Distribution Minor Blanket	3,339,616
			Distribution Transformer Change-Out	2000	TCOP Related Distribution	3,339,010
			Program	2535	Rebuilds	880,562
			Distribution Wood Pole Management	2060	Wood Pole Mgmt	1,553,559
			Elec Replacement/Relocation	2056	Distribution Line Relocations	901,414
			New Revenue - Growth		Electric Revenue Blanket	4,388,741
			Tion November Clemen	1000	Licothic Novolido Bidilikot	1,000,111
				1002	Electric Meters Minor Blanket	16,793
					Distribution Line	
					Transformers Street Lt Minor Blanket	1,436,054
					Area Light Minor Blanket	309,287 272,403
				.000	Lucky Friday 115 kV Rebuild	2,700
				1106	for Load Growth	1,306,120
			D. LIDD C. L. D		Electric Underground	
			Primary URD Cable Replacement	2054	Replacement	654,721
			Segment Reconductor and FDR Tie Program	2515	Distribution - CdA East & North	1,031,149
			1 logiam	2010	Distribution - Pullman &	1,031,143
				2516	Lewis Clark	735,822
					Failed Electric Dist Plant-	
			Storms	2059	Storm	850,925
			Substation - Asset Mgmt. Capital Maintenance	2275	System - Rock/Fence Restore	110.262
			Manuellance	2215	System-Replace Obsolete	110,362
				2278	Reclosers	290
					SCADA - Install/Replace	3,181
					System - Install/Replace	
				2397	Borderline Metering	-
				2402	System-Replace/Upgrade Voltage Regulators	40 525
			Substation - Capital Spares		Power Xfmr-Distribution	40,535 451,560
			Capital Oparos	1000	. Co. Allin Biotilbution	701,000

	Substation - Distribution Station		System Wood Substation	
	Rebuilds	2204	Rebuilds	4,000
			System	
_	Transmission - Reconductors and		Transmission:Rebuild	
_	Rebuilds	2/123	Condition	4,200
	reside	2720	Sys-Dist Reliability-Improve	7,200
_				
	Worst Feeders	2414	Worst Fdrs	1,148,977
ID 7	Гotal			21,036,097
_			Electric Distribution Minor	
MT	Distribution Minor Rebuild	2055	Blanket	6,774
	Substation - Asset Mgmt. Capital		System - Replace Dist Power	
_	Maintenance	2226	Xfmrs	99,575
NAT		2330	Allilis	
	Total		51 . 6	106,348
WA	Dist Grid Modernization	2470	Dist Grid Modernization	4,205,922
_			Feeder Automation	
_		2554	Upgrades	206,394
	Distribution Line Protection	2276	Distribution Line Protection	228,939
			Electric Distribution Minor	
_	Distribution Minor Robuild	2055	Blanket	0.457.400
	Distribution Minor Rebuild	2055		6,157,138
_	Distribution Transformer Change-Out		TCOP Related Distribution	
	Program	2535	Rebuilds	1,732,207
	Distribution Wood Pole Management	2060	Wood Pole Mgmt	8,734,877
		_5000		5,757,077
	Floo Donloooment/Doloortics	0050	Distribution Line Delegati	202 55 1
	Elec Replacement/Relocation	2056	Distribution Line Relocations	839,554
			WSDOT Franchise	
		2061	Requirements Construction	116,186
	New Revenue - Growth		Electric Revenue Blanket	8,565,362
				-,,
_		4000	Floatria Matara Minar Blankat	F00 C47
		1002	Electric Meters Minor Blanket	593,647
_			Distribution Line	
		1003	Transformers	5,135,978
		1004	Street Lt Minor Blanket	641,147
		1005	Area Light Minor Blanket	305,103
			Network Transformers &	000,100
_		4000		4 005 700
		1009	Network Protectors	1,365,763
_			Electric Underground	
_	Primary URD Cable Replacement	2054	Replacement	312,596
	Segment Reconductor and FDR Tie		Distribution - Spokane North	
_	Program	2514	& West	1,427,828
	9		SGDP-Pullman Smart Grid	.,, ,
_	Smart Grid Demonstration Project	2520	Demonstration Project	(200.227)
	Smart Grid Demonstration Project	2550		(300,327)
_			Spokane Electric Network	
	Spokane Electric Network	2058	Incr Capacity	1,746,642
_			Post St-	
_		2251	Improvement/Upgrades	432,361
	Spokane Smart Circuit		Spokane Smart Circuit	1,938,252
		2023	Sponding Circuit Oriodit	1,000,202
	Spokane Valley Transmission	0500	0	000.40=
	Reinforcement	2526	Opportunity 12F2 Cx Fdr	320,127
			Failed Electric Dist Plant-	
	Storms	2059	Storm	1,901,063
	Substation - Asset Mgmt. Capital		System-Replace Obsolete	
	Maintenance	2278	Reclosers	135,662
			SCADA - Install/Replace	
		2293		20,897
			System - Replace Dist Power	
		2336	Xfmrs	18
			System - Install/Replace	
		2397	Borderline Metering	17,849
		_501	System-Replace/Upgrade	11,010
		2400		207 555
	Out of the Control of		Voltage Regulators	207,555
	Substation - Capital Spares	1006	Power Xfmr-Distribution	3,027,219
	Substation - Distribution Station		System Wood Substation	
	Rebuilds	2204	Rebuilds	14,110
			Millwood Sub - Rebuild	698,094
			Pullman Substation Rebuild	19,582
		2000	Greenacres 115-13kV Sub -	13,002
	Outstaller N. Division Co.			000 000
	Substation - New Distribution Stations	2443	New Construct	323,039
			Sys-Dist Reliability-Improve	
	Worst Feeders	2414	Worst Fdrs	19,490
WA	Total			51,090,273
Elec Distribution 360-373				80,166,560
Elec Distribution 300-3/3	Otal			00,100,300

Elec						
Transmission					Colstrip Transmission-	
350-359	ED	AN	Colstrip Transmission	2214	PNACI Capital Additions	418,080
			Environmental Compliance		Forest Srvc Rgmts	197,646
					Moscow 230 kV Sub -	,
			Moscow 230 Sustation Rebuild	2484	Rebuild 230 kV Yard	6,688,128
			Productivity		Productivity Initiative	542,284
			Spokane Valley Transmission		The second secon	,
			Reinforcement	2446	Irvin Sub - New Construction	750,883
					Electric Transmission Plant-	
			Storms	2051	Storm	1,844,232
			Substation - 115 kV Line Relay	2001	Spokane-CDA 115 kV Line	1,011,202
			Upgrades	2217	Relay Upgrades	55,857
			Substation - Asset Mgmt. Capital	2217	System - Replace High	00,007
			Maintenance	2215	Voltage Breakers	79,448
			Wallterlande	2210	System - Replace/Install	70,440
				2252	Relays	1,429,523
					System - Batteries	1,518
				2234	System - Replace Substation	1,510
				2440	Air Switches	152.250
				2449		152,250
				0404	System-Replace/Install	00.007
				2481	Capacitor Banks	20,267
					System-Install	
				0.400	Autotransformer Diagnostic	07.0:-
			Out station Osmital C		Monitor	27,945
			Substation - Capital Spares	2001	Power Circuit Breaker	1,595,683
					D	
			Substation - Distribution Station		Pine Creek 230 Sub-Rebuild	
			Rebuilds	2342	Dist/Replace Cap Bank	45,881
					Otis Orchards 115-Replace	
				2390	PCBs & Relays	475
					Hatwai-Replace Breaker A-	
				2559	113 & Assoc Air Switches	5,608
					Trans/Dist/Sub	
			T&D Reimbursable	2070	Reimbursable Projects	13,296
					Thornton 230 kV Switching	
			Thornton 230 kV Switching Station	2545	Station - Construct	17,913
			Transmission - Asset Management	2057	Transmission Minor Rebuild	684,766
					System 115kV Air Switch	
				2254	Upgrade	107,588
			Transmission - NERC High Priority		Line Ratings Mitigation	
			Mitigation	2560	Project	1,137,814
			Transmission - NOX-HOT #2 230kV		Noxon - Hot Springs #2	
			Reroute	2553	230kV Reroute	948
					Burke-Thompson A&B	
			Transmission - Reconductors and		115kV Transmission Rebuld	
			Rebuilds	2550	Proj	2,190,649
					Tribal Permits and	
			Tribal Permits and Settlements	2301	Settlements	256,509
					Westside 230 kV Substation -	
			Westside Rebuild Phase One	2531	Rebuild	69,978
		AN To	tal			18,335,171
		ID	Environmental Compliance	6101	Forest Srvc Rqmts	80,213
			Substation - Asset Mgmt. Capital		·	, -
			Maintenance	2294	System - Batteries	15,181
					System - Replace Substation	-, -,
				2449	Air Switches	10,521
					System-Replace Current &	,
				2505	Potential Devices	3,182
						-,
			Substation - Distribution Station		Pine Creek 230 Sub-Rebuild	
			Rebuilds	2342	Dist/Replace Cap Bank	1,426
					Tribal Permits and	1,120
			Tribal Permits and Settlements	2301	Settlements	119,556
		ID Tota		2001		230,079
		.5 100	Substation - 115 kV Line Relay	1	Spokane-CDA 115 kV Line	200,079
		WA	Upgrades	2217	Relay Upgrades	6,170
		***	Substation - Asset Mgmt. Capital	4411	System - Replace/Install	0,170
			Maintenance	2252	Relays	43,162
			Iviaii Itoliai Ito	2252	System - Replace Substation	43,162
				2440	Air Switches	7E 100
				2449		75,129
				2404	System-Replace/Install	000
				2481	Capacitor Banks	686

				System-Replace Current &	
			2505	Potential Devices	21
				Trans/Dist/Sub	
		T&D Reimbursable	2070	Reimbursable Projects	-
				Thornton 230 kV Switching	
		Thornton 230 kV Switching S		Station - Construct	14,291
		Transmission - Reconductors	and	West Plains Transmission	
		Rebuilds	2310	Reinforce	413
				Tribal Permits and	
		Tribal Permits and Settlemen	ts 2301	Settlements	92,447
		WA Total			232,319
Elec Transmis	ssion 35				18,797,569
Gas	001011 00				10,101,000
Distribution					
374-387	GD	AN Gas Telemetry Program	2117	Con Tolomotry	02 440
3/4-30/	GD		3117	Gas Telemetry	93,419
		AN Total	0000	Alstal A Disas Danila a sasara	93,419
		ID Aldyl A Replacement	3008	Aldyl -A Pipe Replacement	675,766
				Hwy 95 Relocation and	
		Completed	3297	Replacement w/ 6" PE	164,367
				Cathodic Protection-Minor	
		Gas Cathodic Protection Pro	gram 3004	Blanket	236,000
		Gas Isolated Steel Replacem	ent		
		Program	3007	Isolated Steel Replacement	132,780
				Gas Distribution Non-	
		Gas Non-Revenue Program	3005	Revenue Blanket	1,806,759
		Gas Regulator Stn Replacem			.,,
		Program		Regulator Reliable - Blanket	259,673
		Gas Replacement Street and		galata. Handbo Didinet	200,010
		Program		Gas Replace-St&Hwy	388,803
		Gas Telemetry Program			
				Gas Telemetry	6,413
		New Revenue - Growth		Gas Revenue Blanket	3,371,435
		01111 07 0 1		Gas ERT Minor Blanket	626
		Old Hwy 95 Relocation	3298	Old Hwy 95 Relocation	12,295
		ID Total			7,054,918
		OR Aldyl A Replacement		Aldyl -A Pipe Replacement	5,073,838
		Completed	3293	Klamath Falls Lateral	2,656,665
				Tri City, OR Easement & 6"	
			3299	HP Relocation	1,806
				Cathodic Protection-Minor	
		Gas Cathodic Protection Pro	gram 3004	Blanket	73,390
		Gas Deteriorated Steel Pipe		Replace Deteriorating Gas	
		Replacement Program	3001	System	804,043
		Gas East Medford HP Main	0001	Cystem	00-1,0-10
		Reinforcement Project	2202	East Medford Reinforcement	690.040
		•		East Mediord Reimorcement	689,040
		Gas Isolated Steel Replacem			000 000
		Program	3007	Isolated Steel Replacement	396,328
				Gas Distribution Non-	
		Gas Non-Revenue Program		Revenue Blanket	4,893,082
		Gas Overbuilt Pipe Replacen		Overbuilt Pipe Replacement	
		Program		Blanket	640,202
		Gas Regulator Stn Replacem	nent		
		Program		Regulator Reliable - Blanket	184,417
		Gas Reinforcement Program	3000	Gas Reinforce-Minor Blanket	4,563
		Gas Replacement Street and			.,
		Program	0 ,	Gas Replace-St&Hwy	2,755,198
		1 Togram	3303	HWY 62 - HP & IP Main	2,700,100
			2202	Relocation & SSFT #1316	1 020 572
		Goo Tolomotry Drogram			1,039,573
		Gas Telemetry Program New Revenue - Growth		Gas Telemetry	15,854
		new Revenue - Growth		Gas Revenue Blanket	4,674,321
			1050	Gas Meters Minor Blanket	736,599
				Gas Regulators Minor	<i>z</i> = ==
				Blanket	89,376
			1053	Gas ERT Minor Blanket	22,178
				Reinforce-Pierce Rd, La	
		#N/A	3300	Grande	(11,226)
		OR Total			24,739,248
		WA Aldyl A Replacement	3008	Aldyl -A Pipe Replacement	11,940,656
				Cathodic Protection-Minor	
		Gas Cathodic Protection Pro	gram 3004	Blanket	521,450
		Gas Isolated Steel Replacem			52.,.50
		Program		Isolated Steel Replacement	1 727 202
		i iogiaili	3007	issiated ofeel isebiatelliell	1,737,392

			Can Nan Davisson December	000-	Gas Distribution Non-	0.040.455
			Gas Non-Revenue Program	3005	Revenue Blanket	3,912,499
			Gas Overbuilt Pipe Replacement Program	3006	Overbuilt Pipe Replacement Blanket	52,497
			Gas Regulator Stn Replacement Program	3002	Regulator Reliable - Blanket	127,989
			Gas Reinforcement Program	3000	Gas Reinforce-Minor Blanket	1,153,569
				3268	Reinforcement Appleway Bridge Crossing, Lib Lk, WA	471,183
			Gas Replacement Street and Highway Program		Gas Replace-St&Hwy	920,493
			Gas Telemetry Program		Gas Telemetry	10,488
			New Revenue - Growth		Gas Revenue Blanket	7,301,418
			Tron Horonad Groman		Gas Meters Minor Blanket	1,161,573
					Gas Regulators Minor Blanket	326,272
					Gas ERT Minor Blanket	866,377
					Install Gas AMI for Pullman	
			Smart Grid Demonstration Project	3291	Smart Grid	26,480
		WA To				30,530,335
Gas Distributi	on 374-3	87 Tot	al			62,417,919
Gas Underground						
Storage 350- 357	GD	AN AN To	Jackson Prairie Storage	7201	Jackson Prairie Storage	403,539 403,539
		OR	Jackson Prairie Storage	7201	Jackson Prairie Storage	43,101
		OR To		1201	Cachoon Frame Glorage	43,101
Gas Undergro	und Sto					446,639
General 389- 391 / 393-395						1.0,000
/ 397-398	CD	AA	Capital Tools & Stores Equipment	7002	Office Mach & Equiq	174,061
				7006	Tools Lab & Shop Equipment	329,327
					Long term Campus Re-	
			COF Long-Term Restructuring Plan	7126	Structuring Plan	10,111,250
			, and a		GPSS Electric Shp 5Ton	
			Completed	4160	Crane Replacement	85,306
			Dollar Rd Service Center Addition and		Dollar Road Land Purchase	
			Remodel		and Facility Expansion	176,412
			Enterprise Security		Security Systems	2,002,533
			HVAC Renovation Project	7101	COF HVAC Improvmt	6,411,556
					Next Generation Radio	
			Next Generation Radio Refresh		System	3,344,494
			Productivity		Productivity Initiative	36,621
			SCADA - SOO & BUCC Structures and	2277	SCADA Upgrade	12
			Improvements/Furniture	7001	Structures & Improv	659,195
					Office Furniture	788,838
			Technology Expansion to Enable	, 000	Information Technology	700,000
			Business Process	5006	Expansion Program	123,899
		AA To				24,243,505
		AN	Capital Tools & Stores Equipment	7005	Stores Equip	390,657
			Dollar Rd Service Center Addition and		Dollar Road Land Purchase	
			Remodel		and Facility Expansion	3,918,863
			Enterprise Security		Security Initiative	-
			Chrystyras and	5014	Security Systems	7,145
			Structures and Improvements/Furniture	7004	Structures & Improv	E06 650
			Technology Expansion to Enable	7001	Information Technology	526,658
			Business Process	5006	Expansion Program	167,344
		AN To		3000	Expansion Flogram	5,010,667
			Structures and		01	
		ID	Improvements/Furniture	7001	Structures & Improv	141,535
			Technology Expansion to Enable	F000	Information Technology	007
		ID To	Business Process	5006	Expansion Program	297
		ID Tot		7005	Stores Equip	141,832
		VVA	Capital Tools & Stores Equipment Structures and	7005	Stores Equip	2,731
			Improvements/Furniture	7001	Structures & Improv	458,443
					Office Furniture	4,986
		_				,

		_	Technology Evpansion to Enghlo		Information Technology	
			Technology Expansion to Enable Business Process	5006	Expansion Program	26,653
		WA T		3000	Expansion rogram	492,812
						,
	ED	AN	Capital Tools & Stores Equipment	7006	Tools Lab & Shop Equipment	66,338
			Enterprise Security	5014	Security Systems	201,884
			High Voltage Protection for		High Voltage Protection	
			Substations	5142	Upgrade	428,997
					Microwave Replacement with	
			Microwave Refresh		Fiber	1,681,527
			Productivity	7050	Productivity Initiative	4,440,393
			DT000 D ()	5440	Moducom Replacement	0.40.000
			RTCCS Refresh		(RTCCS)	340,868
			SCADA - SOO & BUCC Technology Expansion to Enable	2211	SCADA Upgrade Information Technology	142,406
			Business Process	5006	Expansion Program	14
			#N/A		WoH Telecom	- 14
		AN To		2100	TVOIT TOIGCOIN	7,302,427
		7	High Voltage Protection for		High Voltage Protection	.,002,:21
		ID	Substations	5142	Upgrade	369,916
			Structures and		1.0	
			Improvements/Furniture	7001	Structures & Improv	43,163
		ID To	tal			413,080
			High Voltage Protection for		High Voltage Protection	
		WA	Substations	5142	Upgrade	189,113
					Microwave Replacement with	
			Microwave Refresh	5121	Fiber	16,990
			Smart Grid Workforce Training Grant -	7005	Smart Grid Workforce	440.044
			DOE Structures and	7205	Training	440,814
			Improvements/Furniture	7001	Structures & Improv	472,354
		WA T		7001	Structures & Improv	1,119,270
		****	otai			1,110,210
	GD	AA	Capital Tools & Stores Equipment	7006	Tools Lab & Shop Equipment	49,758
		AA To			тоско дом от оттор данринот	49,758
		OR	Enterprise Security	5014	Security Systems	25,496
			Structures and			
			Improvements/Furniture	7001	Structures & Improv	139,763
		OR T				165,259
			Structures and			
		WA	Improvements/Furniture	7001	Structures & Improv	272,852
			Technology Expansion to Enable	5000	Information Technology	4 570
		\A/A T	Business Process	5006	Expansion Program	1,579
Conoral 380-	201 / 202	WA T	otal 397-398 Total			274,431 39,213,042
Hydro 331-	<u> </u>	-39373	597-596 Otal			39,213,042
336	ED	AN	Base Load Hydro	4147	Base Hydro	504,379
					Clark Fork	30 1,01 0
			Clark Fork Settlement Agreement	6100	License/Compliance	122,334
			o o		Clark Fork Implement PME	
				6103	Agreement	1,006,234
					Post Falls Intake Gate	
			Completed	4153	Replacement	5,457,259
			Generation Battery Replacement	4108	System Battery Replacement	132,068
			Hardra Onfota M. Di	000	Hydro Generation Minor	.
			Hydro Safety Minor Blanket	6001	Blanket	3,490
			Little Celle Dient Linevede	4450	Little Falls Powerhouse	2 202 420
			Little Falls Plant Upgrade Nine Mile Rehab		Redevelopment Nine Mile Redevelopment	3,393,138
			Nille Mille Reliab	4140	Noxon Rapids Unit 4 Runner	532,720
			Noxon Rapids Turbine Replacement	4130	Upgrade	183
			Regulating Hydro		Regulating Hydro	3,365,588
			Spokane River License	.1-0	Spokane River	3,000,000
			Implementation	6107	Implementation (PM&E)	610,344
		AN To				15,127,738
		ID	Regulating Hydro	4148	Regulating Hydro	45,811
		ID To	0 0 1			45,811
Hydro 331-33	6 Total					15,173,549
Other Elec						
Production /						
Turbines 340						
346	ED	AN	Base Load Thermal Plant		Base Load Thermal	1,821,813

			0 1 1 1 7 0 1		00017040 :: 1411	
			Coyote Springs LTSA		CS2 LTSA Capital Add	5,075,500
			CS2 Capital Improvements		CS2 Capital Improvements	501
			Peaking Generation	4150	Peaking Generation	821,918
		AN To				7,719,733
Other Elec Pr	oduction	/ Turb	ines 340-346 Total			7,719,733
Software 303	CD	AA	AvistaUtilities.com Redesign	5143	AU.com AVANet Redevelopment	48,281
			CSS Replacement	5139	Customer Information System (CIS) Replacement	10 300 158
			COO Replacement		Enterprise Business	10,390,158
			Enterprise Business Continuity Plan	5010	Continuity	259,795
			Technology Expansion to Enable Business Process	5006	Information Technology Expansion Program	E 240 12E
			Technology Refresh to Sustain	3000	Information Technology	5,349,125
			Business Process	5005	Refresh Program	10,829,014
		AA To			r temeen r regium	26,876,373
		70110	Technology Expansion to Enable		Information Technology	20,0.0,0.0
		AN	Business Process	5006	Expansion Program	29,984
			Technology Refresh to Sustain		Information Technology	
			Business Process	5005	Refresh Program	284,791
		AN To	otal		-	314,775
			Technology Refresh to Sustain		Information Technology	
		ID	Business Process	5005	Refresh Program	67,597
		ID Tot	tal		-	67,597
					Enterprise Business	
	ED	AN	Enterprise Business Continuity Plan	5010	Continuity	23,095
			Technology Expansion to Enable		Information Technology	
			Business Process	5006	Expansion Program	405,979
			Technology Refresh to Sustain		Information Technology	
			Business Process	5005	Refresh Program	867,426
2 () 222		AN To	otal			1,296,500
Software 303	Iotal					28,555,244
Thermal 311- 316	ED	AN	Colstrip Thermal Capital	4116	Colstrip Capital Additions	5,690,078
					Rathdrum CT Upgrade Unit 1	
			Completed	4154	to Mark VI Controller	544,914
					RCT Unit #2 Hot Gas Path	
				4159	Overhaul	220,911
					Kettle Falls Develop New	
			Kettle Falls Water Supply	4151	River Wells	1,508
TI 1044	040 T 4 I	AN To	otal			6,457,410
Thermal 311-3 Transportation						6,457,410
n and Tools 392 / 396	CD	AA	CNG Fleet Conversion		CNG Fleet Conversion	00.050
392 / 396	CD			7407		
				7127	CIVO I leet Conversion	39,956
		AA To	otal			39,956
		AA To	otal Fleet Budget		Transportation Equip	39,956 512,104
		AA To AN AN To	otal Fleet Budget otal	7000	Transportation Equip	39,956 512,104 512,104
		AA To AN AN To ID	otal Fleet Budget otal Fleet Budget	7000		39,956 512,104 512,104 168,104
		AA TO AN AN TO ID ID Tot	otal Fleet Budget otal Fleet Budget tal	7000	Transportation Equip Transportation Equip	39,956 512,104 512,104 168,104 168,104
		AA To AN AN To ID ID Tot WA	otal Fleet Budget otal Fleet Budget tal Fleet Budget	7000	Transportation Equip	39,956 512,104 512,104 168,104 168,104 155,800
	ED	AA TO AN AN TO ID ID Tot WA WA TO	otal Fleet Budget otal Fleet Budget tal Fleet Budget otal	7000 7000 7000	Transportation Equip Transportation Equip Transportation Equip	39,956 512,104 512,104 168,104 168,104 155,800 155,800
	ED	AA TO AN AN TO ID ID Tot WA WA TO	otal Fleet Budget otal Fleet Budget tal Fleet Budget tal Fleet Budget otal Fleet Budget	7000 7000 7000	Transportation Equip Transportation Equip	39,956 512,104 512,104 168,104 168,104 155,800 155,800 2,802,141
	ED	AA TO AN AN TO ID ID Tot WA WA TO	otal Fleet Budget otal Fleet Budget tal Fleet Budget tal Fleet Budget otal Fleet Budget	7000 7000 7000 7000	Transportation Equip Transportation Equip Transportation Equip Transportation Equip	39,956 512,104 512,104 168,104 168,104 155,800 155,800 2,802,141 2,802,141
	ED	AA TO AN AN TO ID ID Tot WA WA TO AN	otal Fleet Budget otal Fleet Budget tal Fleet Budget otal Fleet Budget otal Fleet Budget otal Fleet Budget otal Fleet Budget	7000 7000 7000 7000	Transportation Equip Transportation Equip Transportation Equip	39,956 512,104 512,104 168,104 168,104 155,800 2,802,141 2,802,141 1,381,563
	ED	AA TO AN AN TO ID ID TO WA WA TO AN TO ID	otal Fleet Budget otal Fleet Budget tal Fleet Budget otal Fleet Budget otal Fleet Budget otal Fleet Budget otal Fleet Budget	7000 7000 7000 7000 7000	Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip	39,956 512,104 512,104 168,104 168,104 155,800 155,800 2,802,141 2,802,141
	ED	AA TO AN AN TO ID ID TO WA WA TO AN AN TO ID ID TO	otal Fleet Budget otal Fleet Budget tal Fleet Budget otal Fleet Budget otal Fleet Budget The Budget otal Fleet Budget	7000 7000 7000 7000 7000	Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip	39,956 512,104 512,104 168,104 155,800 155,800 2,802,141 2,802,141 1,381,563
	ED	AA TO AN AN TO ID ID TO WA WA TO AN AN TO ID ID TO	otal Fleet Budget otal Fleet Budget tal Fleet Budget otal Fleet Budget otal Fleet Budget The Budget otal Fleet Budget	7000 7000 7000 7000 7000 7000	Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip	39,956 512,104 512,104 168,104 155,800 155,800 2,802,141 2,802,141 1,381,563
	ED	AA TO AN AN TO ID ID TO WA WA TO AN AN TO ID ID TO	otal Fleet Budget otal Fleet Budget tal Fleet Budget otal Fleet Budget otal Fleet Budget tal Fleet Budget tal Fleet Budget tal Fleet Budget tal Fleet Budget	7000 7000 7000 7000 7000 7000	Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Vehicle Portion of Solar Plug	39,956 512,104 512,104 168,104 155,800 155,800 2,802,141 2,802,141 1,381,563 1,381,563 5,383,688
	ED	AA TO AN AN TO ID ID TO WA WA TO ID ID TO WA	potal Fleet Budget ctal Fleet Budget ttal Fleet Budget ctal Fleet Budget ctal Fleet Budget ctal Fleet Budget ttal Fleet Budget ttal Fleet Budget ttal Fleet Budget #N/A ctal Fleet Budget	7000 7000 7000 7000 7000 7000 7114	Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Vehicle Portion of Solar Plug	39,956 512,104 512,104 168,104 168,104 155,800 2,802,141 2,802,141 1,381,563 1,381,563 5,383,688 (520 5,383,168 39,959
		AA TO AN AN TO ID ID TO WA WA TO ID ID TO AN AN TO ID ID TO WA WA AN	potal Fleet Budget ctal Fleet Budget ttal Fleet Budget ctal Fleet Budget ctal Fleet Budget ctal Fleet Budget ttal Fleet Budget ttal Fleet Budget ttal Fleet Budget fleet Budget	7000 7000 7000 7000 7000 7000 7114	Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Vehicle Portion of Solar Plug In Hybrid Initiative Transportation Equip	39,956 512,104 512,104 168,104 168,104 155,800 2,802,141 2,802,141 1,381,563 1,381,563 5,383,688 (520 5,383,168 39,959 39,959
		AA TO AN AN TO ID ID TO WA WA TO ID ID TO WA WA AN AN TO ID ID TO ID AN AN TO ID	potal Fleet Budget ctal Fleet Budget ttal Fleet Budget ctal Fleet Budget ctal Fleet Budget ctal Fleet Budget ttal Fleet Budget ttal Fleet Budget ttal Fleet Budget #N/A ctal Fleet Budget #The budget fleet Budget fleet Budget fleet Budget	7000 7000 7000 7000 7000 7000 7114	Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Vehicle Portion of Solar Plug In Hybrid Initiative	39,956 512,104 512,104 168,104 168,104 155,800 2,802,141 2,802,141 1,381,563 1,381,563 5,383,688 (520) 5,383,168 39,959 39,959
		AA TO AN AN TO ID ID TOI WA WA TO AN AN TO ID ID TOI WA WA ID ID TOI ID	potal Fleet Budget ctal Fleet Budget ttal Fleet Budget ctal Fleet Budget ctal Fleet Budget ctal Fleet Budget ttal Fleet Budget ttal Fleet Budget ttal Fleet Budget #N/A ctal Fleet Budget ttal Fleet Budget	7000 7000 7000 7000 7000 7114 7000	Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Vehicle Portion of Solar Plug In Hybrid Initiative Transportation Equip Transportation Equip	39,956 512,104 512,104 168,104 168,104 155,800 2,802,141 2,802,141 1,381,563 1,381,563 5,383,688 (520 5,383,168 39,959 39,959 209,581
		AA TO AN AN TO ID ID TO WA WA TO ID ID TO WA WA AN AN TO ID ID TO ID AN AN TO ID	potal Fleet Budget #N/A potal Fleet Budget potal CNG Fleet Conversion	7000 7000 7000 7000 7000 7114 7000 7000	Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Vehicle Portion of Solar Plug In Hybrid Initiative Transportation Equip Transportation Equip CNG Fleet Conversion	39,956 512,104 512,104 168,104 168,104 155,800 155,800 2,802,141 2,802,141 1,381,563 1,381,563 5,383,688 (520 5,383,168 39,959 39,959 209,581 209,581 232,167
		AA TO AN AN TO ID ID TOI WA WA TO AN TO ID ID TOI WA WA TO AN TO ID ID TOI OR	Fleet Budget tal Fleet Budget tal Fleet Budget total Fleet Budget total Fleet Budget tal Fleet Budget tal Fleet Budget tal Fleet Budget tal Fleet Budget #N/A total Fleet Budget price Budget tal Fleet Budget tal Fleet Budget tal Fleet Budget	7000 7000 7000 7000 7000 7114 7000 7000	Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Vehicle Portion of Solar Plug In Hybrid Initiative Transportation Equip Transportation Equip	39,956 512,104 512,104 168,104 168,104 155,800 155,800 2,802,141 2,802,141 1,381,563 5,383,688 (520 5,383,168 39,959 209,581 209,581 209,581 232,167 530,175
		AA TO AN AN TO ID ID TO WA WA TO AN TO ID ID TO ID ID TO ID ID TO OR OR TO	Fleet Budget tal Fleet Budget tal Fleet Budget total Fleet Budget total Fleet Budget tal Fleet Budget tal Fleet Budget tal Fleet Budget #N/A tal Fleet Budget #N/A tal Fleet Budget ctal CNG Fleet Conversion Fleet Budget total	7000 7000 7000 7000 7000 7114 7000 7127 7000	Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Vehicle Portion of Solar Plug In Hybrid Initiative Transportation Equip CNG Fleet Conversion Transportation Equip	39,956 512,104 512,104 168,104 168,104 155,800 155,800 2,802,141 2,802,141 1,381,563 5,383,688 (520 5,383,168 39,959 39,959 209,581 209,581 232,167 530,175 762,342
		AA TO AN AN TO ID ID TOI WA WA TO AN TO ID ID TOI WA WA TO AN TO ID ID TOI OR	Fleet Budget tal Fleet Budget tal Fleet Budget total Fleet Budget total Fleet Budget tal Fleet Budget tal Fleet Budget tal Fleet Budget #N/A total Fleet Budget total Fleet Budget contal Fleet Budget total Fleet Budget total CNG Fleet Conversion Fleet Budget total CNG Fleet Conversion	7000 7000 7000 7000 7000 7114 7000 7127 7000	Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Vehicle Portion of Solar Plug In Hybrid Initiative Transportation Equip CNG Fleet Conversion Transportation Equip CNG Fleet Conversion	39,956 512,104 512,104 168,104 168,104 155,800 155,800 2,802,141 1,381,563 1,381,563 5,383,688 (520 5,383,168 39,959 39,959 209,581 209,581 232,167 530,175 762,342 888,283
		AA TO AN AN TO ID ID TOI WA AN TO ID ID TOI OR OR TO WA	Fleet Budget Telet Budget	7000 7000 7000 7000 7000 7114 7000 7127 7000	Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Vehicle Portion of Solar Plug In Hybrid Initiative Transportation Equip CNG Fleet Conversion Transportation Equip	39,956 512,104 512,104 168,104 168,104 155,800 155,800 2,802,141 1,381,563 1,381,563 5,383,688 (520 5,383,168 39,959 209,581 209,581 209,581 232,167 530,175 762,342 888,283 1,101,991
	GD	AA TO AN AN TO ID ID TO WA AN AN TO ID ID TO WA WA TO AN	Fleet Budget tal Fleet Budget tal Fleet Budget otal Fleet Budget otal Fleet Budget tal Fleet Budget tal Fleet Budget tal Fleet Budget tal Fleet Budget #N/A otal Fleet Budget tal CNG Fleet Conversion Fleet Budget otal CNG Fleet Conversion Fleet Budget otal	7000 7000 7000 7000 7000 7114 7000 7127 7000	Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Vehicle Portion of Solar Plug In Hybrid Initiative Transportation Equip CNG Fleet Conversion Transportation Equip CNG Fleet Conversion	39,956 512,104 512,104 168,104 168,104 155,800 155,800 2,802,141 2,802,141 1,381,563 1,381,563 5,383,688 (520 5,383,168 39,959 39,959 209,581 209,581 232,167 530,175 762,342 888,283 1,101,991 1,990,274
Transportatio	GD	AA TO AN AN TO ID ID TO WA AN AN TO ID ID TO WA WA TO AN	Fleet Budget tal Fleet Budget tal Fleet Budget otal Fleet Budget otal Fleet Budget tal Fleet Budget tal Fleet Budget tal Fleet Budget tal Fleet Budget #N/A otal Fleet Budget tal CNG Fleet Conversion Fleet Budget otal CNG Fleet Conversion Fleet Budget otal	7000 7000 7000 7000 7000 7114 7000 7127 7000	Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Vehicle Portion of Solar Plug In Hybrid Initiative Transportation Equip CNG Fleet Conversion Transportation Equip CNG Fleet Conversion	39,956 512,104 512,104 168,104 168,104 155,800 155,800 2,802,141 2,802,141 1,381,563 1,381,563 5,383,688 (520 5,383,168 39,959 209,581 209,581 209,581 232,167 530,175 762,342 888,283 1,101,991 1,990,274
Transportatio Grand Total	GD	AA TO AN AN TO ID ID TO WA AN AN TO ID ID TO WA WA TO AN	Fleet Budget tal Fleet Budget tal Fleet Budget otal Fleet Budget otal Fleet Budget tal Fleet Budget tal Fleet Budget tal Fleet Budget tal Fleet Budget #N/A otal Fleet Budget tal CNG Fleet Conversion Fleet Budget otal CNG Fleet Conversion Fleet Budget otal	7000 7000 7000 7000 7000 7114 7000 7127 7000	Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Transportation Equip Vehicle Portion of Solar Plug In Hybrid Initiative Transportation Equip CNG Fleet Conversion Transportation Equip CNG Fleet Conversion	39,956 512,104 512,104 168,104 168,104 155,800 155,800 2,802,141 2,802,141 1,381,563 1,381,563 5,383,688 (520 5,383,168 39,959 39,959 209,581 209,581 232,167 530,175 762,342 888,283 1,101,991 1,990,274

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 30 of 303

Sum of Current Activity Cost SUM Asset Depreciation category 373 CD AA Franchising for WSDOT 7106 CD AA Franchising for WSDOT 7106 CD AA Total ED AN Dist Grid Modernization Elec Replacement Relocation Lewiston Mill Road Sub Lewiston Mill Road Sub New Revenue - Growth Productivity Substation - Asset Mgmt. Capital Maintenance Substation - Distribution Station Starting in 2 Rebuilds Substation - Distribution Station Starting in 2 Rebuilds AN Total AN Total AN Total AN Total AN Total AN Total Distribution Minor Rebuild Distribution Minor Rebuild Distribution Transformer Change-Out Program Distribution Wood Pole Management Elec Replacement Relocations Eer Replace Distribution In Rebuilds Consolidation WSDOT Highway Franchise Consolidation Elec Melera Replacement Non Elec Melera Replacement Non Elec Melera Replacement Non WSDOT Highway Franchise WSDOT Highway Franchise Consolidation Elec Melera Replacement Non WSDOT Highway Franchise Consolidation Elec Melera Replacement Non Elec Melera Replacement Relocation Elec Melera Replace Distribution Line Relocations Grand WSDOT Highway Franchise Elec Melera Replace Distribution Elec Melera Replace Distribution Franchise Elec Melera Replace Distribution Repoild Distribution Wood Pole Management Elec Replacement Relocation Elec Replacement Relocation Elec Melera Repoil Elec Melera Replace Distribution Line Relocations Elec Melera Replace Distribution Line Relocations Elec Melera Repoil Elec Melera Replace Distribution Line Relocations Elec Melera Repoil Elec Melera Replace Distribution Line Relocations Elec Melera Replace Distribution Line Relocations Elec Melera Replacement Relocation Elec Melera Minor Repoil Elec Melera Replacemen
Activity Cost SUM Depreciation category Service Elec Distribution 369- 373 CD AA Franchising for WSDOT AA Total WA Meter Minor Blanket WA Total Elec Replacement Non Elec Replacement Relocation Lewiston Mill Road Sub Lewiston Mill Road Sub Lewiston Mill Road Sub New Revenue - Growth Productivity Substation - Asset Mgmt. Capital Maintenance Sandpoint Grid Modernization Lewiston Mill Road Sub Lewiston Mill Road Sub Lewiston Mill Road Sub New Revenue - Growth Productivity Substation - Asset Mgmt. Capital Maintenance Substation - Distribution Station Starting in 2: Rebuilds Sandpoint Grid Modernization Lewiston Mill Road Sub Substation - Asset Mgmt. Capital Maintenance Substation - Distribution Station Starting in 2: Rebuilds Sandpoint Grid Modernization Lewiston Mill Road Sub Lewiston Mil
Depreciation category Service n Business Case Erval Erdesc Grand
AA Franchising for WSDOT 7108 Consolidation
AA Franchising for WSDOT 7108 Consolidation AA Total
AA Total WA Wa Meter Minor Blanket 2073 Revenue
WA Total WA Total WA Total AN Dist Grid Modernization Elec Replacement/Relocation Elec Replacement/Relocation Lewiston Mill Road Sub New Revenue - Growth Productivity Substation - Asset Mgmt. Capital Maintenance Substation - Distribution Station Starting in 2' Rebuilds Substation - Distribution Station Starting in 2' Rebuilds Transmission - Reconductors and Rebuilds AN Total ID Dist Grid Modernization Distribution Minor Rebuild Distribution Minor Rebuild Distribution Wood Pole Management Elec Replacement/Relocation Distribution Wood Pole Management Elec Replacedints Substation Rebuilds 11, 2666 Distribution Wood Pole Management Elec Replacement/Relocation 2006 Distribution Rebuilds 2570 Project Sandpoint Grid Modernization 110 New Storo Sandpoint Grid Modernization 110 New Storo Sandpoint Grid Modernization 110 New Storo Sandpoint Grid Modernization 110 New Substation Minor Rebuilds 110 New Storo System - Replace Dist Power Xfmrs 110 System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfmrs 110 New Storo System - Replace Dist Power Xfm
MA Total
ED AN Dist Grid Modernization Elec Replacement/Relocation Lewiston Mill Road Sub Lewiston Mill Road Sub New Revenue - Growth Productivity Substation - Asset Mgmt. Capital Maintenance 2253 System - Upgrade Meters 2293 SCADA - Install/Replace 2336 System - Replace Dist Power Xfmrs System - Replace Distribution Rebuild 2204 System Vood Substation Rebuild 2205 Condition System - Replace Distribution Sub - Minor Rebuild System Transmission-Rebuild System Transmission-Rebuild System Transmission-Rebuild System Transmission-Rebuild System Transmission-Rebuild Distribution Minor Rebuild Distribution Transformer Change-Out Program Distribution Transformer Change-Out Program Distribution Wood Pole Management Elec Replacement/Relocation 2056 Distribution Line Relocations
ED
Elec Replacement/Relocation
Lewiston Mill Road Sub
New Revenue - Growth
New Revenue - Growth
Productivity Substation - Asset Mgmt. Capital Maintenance 2253 System - Upgrade Meters 1293 SCADA - Install/Replace 2253 System - Replace Dist Power Xfmrs 1293 System - Replace/Install Substation Starting in 2 Rebuilds 2283 Millwood Sub - Rebuild 2384 Millwood Sub - Rebuild 2522 10th & Stewart Dx Int 2522 10th & Stewart Dx Int 2522 10th & Stewart Dx Int 2523 Stratford 115kV - Upgrade Bus 3,1 Noxon Construction Sub - Minor 2572 Rebuild 2423 System Transmission: Rebuild 2423 System Transmission: Rebuild 2572 Stratford 115kV - Upgrade Bus 3,1 Noxon Construction Sub - Minor 2572 Rebuild 2423 System Transmission: Rebuild 2423 System Transmission: Rebuild 2524 System Transmission: Rebuild 2524 System Transmission: Rebuild 2525 System Transmission: Rebuild 2526 System Transmission: Rebuild 2527 System Transmission: Rebuild 2528 System Transmission: Rebuild 2529 S
Substation - Asset Mgmt. Capital Maintenance
Maintenance 2253 System - Upgrade Meters 2293 SCADA - Install/Replace 2293 SCADA - Install/Replace 2293 System - Replace Dist Power Xfmrs 2343 System - Replace/Install Substation Structures
2293 SCADA - Install/Replace 2293 SCADA - Install/Replace 2293 System - Replace Dist Power Xfmrs 2294 System - Replace/Install Substation Structures System Wood Substation Rebuilds 2283 Millwood Sub - Rebuild 2283 Millwood Sub - Rebuild 2366 Appleway Sub - Rebuild 2522 10th & Stewart Dx Int (2243 System Tox Int (2244 System Tox Int (2244 System Tox Int System Tox Int (2244 System Tox Int System Tox I
System - Replace/Install Substation 2343 Structures
System - Replace/Install Substation 2343 Structures
Substation - Distribution Station Starting in 2 Rebuilds Rebuilds 2204 System Wood Substation Rebuilds 2283 Millwood Sub - Rebuild 2284 Mi
Substation - Distribution Station 2204 System Wood Substation Rebuilds 2283 Millwood Sub - Rebuild 2283 Millwood Sub - Rebuild 2306 Appleway Sub - Rebuild 2522 10th & Stewart Dx Int (2 2546 Blue Creek 115 kV - Rebuild 2523 Stratford 115kV - Upgrade Bus 3,1 Noxon Construction Sub - Minor 2572 Rebuild 2523 Stratford 115kV - Upgrade Bus Noxon Construction Sub - Minor 2572 Rebuild 2423 System Transmission:Rebuild 2423 Condition Moscow City to North Lewiston 2549 115kV Rebuild Proj (2 2549 115kV Rebuild Proj 2549 1545
Starting in 2 Rebuilds 2204 System Wood Substation Rebuilds 2283 Millwood Sub - Rebuild 2306 Appleway Sub - Rebuild 2522 10th & Stewart Dx Int 2546 Blue Creek 115 kV - Rebuild 2522 10th & Stewart Dx Int 2546 Blue Creek 115 kV - Upgrade Bus 3,1 Noxon Construction Sub - Minor 2572 Rebuild 2523 System Transmission: Rebuild 2523 System Transmission: Rebuild 2423 System Transmission: Rebuild 2423 System Transmission: Rebuild 2424 System Transmission: Rebuild 2424 System Transmission: Rebuild 2424 System Transmission: Rebuild 2424 System Transmission: Rebuild 2425 System Transmission: Rebuild 2426 System Transmission: Rebuild 2426 System Transmission: Rebuild 2427 Dist Grid Modernization 2528 Sandpoint Grid Modernization 2427 Dist Grid Modernization 2428 Distribution Minor Blanket 2428 Distribution Line Relocations 2428 Distribution Line
2283 Millwood Sub - Rebuild 2306 Appleway Sub - Rebuild 2502 10th & Stewart Dx Int (2
2522 10th & Stewart Dx Int (2
2546 Blue Creek 115 kV - Rebuild 2563 Stratford 115kV - Upgrade Bus 3,1
2563 Stratford 115kV - Upgrade Bus 3,1 Noxon Construction Sub - Minor 2572 Rebuild System Transmission:Rebuild System Transmission:Rebuild 2423 Condition Moscow City to North Lewiston 2549 115kV Rebuild Proj (2 2470 Dist Grid Modernization 2470 Dist Grid Modernization 2570 Project 1,8
Transmission - Reconductors and Rebuilds Transmission - Reconductors and Rebuilds AN Total ID Dist Grid Modernization Distribution Minor Rebuild Distribution Transformer Change-Out Program Distribution Wood Pole Management Elec Replacement/Relocation Transmission - Reconductors and System Transmission:Rebuild Condition Moscow City to North Lewiston 115kV Rebuild Proj (2 System Transmission:Rebuild Condition Moscow City to North Lewiston 115kV Rebuild Proj (2 Sandpoint Grid Modernization 2570 Project 1,8 TCOP Related Distribution Rebuilds 1,3 Distribution Wood Pole Management 2060 Wood Pole Mgmt 1,5 Distribution Line Relocations
Transmission - Reconductors and Rebuilds System Transmission: Rebuild 2423 Condition Moscow City to North Lewiston 2549 115kV Rebuild Proj (2 AN Total ID Dist Grid Modernization 2470 Dist Grid Modernization 2570 Project 1,6 Distribution Minor Rebuild 2055 Electric Distribution Minor Blanket 2,5 Distribution Transformer Change-Out Program 2535 TCOP Related Distribution Rebuilds 1,3 Distribution Wood Pole Management 2060 Wood Pole Mgmt 1,5 Elec Replacement/Relocation 2056 Distribution Line Relocations 6
Rebuilds
AN Total ID Dist Grid Modernization 2549 AN Total ID Dist Grid Modernization 2470 Sandpoint Grid Modernization 2570 Project Distribution Minor Rebuild Distribution Transformer Change-Out Program Distribution Wood Pole Management Elec Replacement/Relocation Distribution Line Relocations Moscow City to North Lewiston (2549 Dist V Rebuild Proj Sandpoint Grid Modernization Sandpoi
AN Total 2549 115kV Rebuild Proj (2 AN Total 7,1 ID Dist Grid Modernization 2470 Dist Grid Modernization 2570 Project 1,8 Distribution Minor Rebuild 2055 Electric Distribution Minor Blanket 2,5 Distribution Transformer Change-Out Program 2535 TCOP Related Distribution Rebuilds 1,3 Distribution Wood Pole Management 2060 Wood Pole Mgmt 1,4 Elec Replacement/Relocation 2056 Distribution Line Relocations 66
AN Total ID Dist Grid Modernization 2470 Dist Grid Modernization Sandpoint Grid Modernization 2570 Project Distribution Minor Rebuild Distribution Transformer Change-Out Program 2535 TCOP Related Distribution Rebuilds Distribution Wood Pole Management Elec Replacement/Relocation 2600 Wood Pole Mgmt 1,500 Distribution Line Relocations 27,7,7 Distribution Modernization 2570 Project 1,500 Distribution Minor Blanket 2,500 Distribution Rebuilds 1,500 Distribution Rebuilds 1,500 Distribution Line Relocations 2,500 Distribu
ID Dist Grid Modernization 2470 Dist Grid Modernization 2470 Dist Grid Modernization 2570 Project 1,5 Distribution Minor Rebuild 2055 Electric Distribution Minor Blanket 2,5 Distribution Transformer Change-Out Program 2535 TCOP Related Distribution Rebuilds 1,3 Distribution Wood Pole Management 2060 Wood Pole Mgmt 1,5 Elec Replacement/Relocation 2056 Distribution Line Relocations 66
Distribution Minor Rebuild Distribution Transformer Change-Out Program Distribution Wood Pole Management Elec Replacement/Relocation 2570 Project 1,5 2055 Electric Distribution Minor Blanket 2,5 TCOP Related Distribution Rebuilds 1,3 2060 Wood Pole Mgmt 2,5 2060 Distribution Line Relocations 2060 Distribution Line Relocations
Distribution Minor Rebuild 2055 Electric Distribution Minor Blanket 2,5 Distribution Transformer Change-Out Program 2535 TCOP Related Distribution Rebuilds 1,3 Distribution Wood Pole Management 2060 Wood Pole Mgmt 1,6 Elec Replacement/Relocation 2056 Distribution Line Relocations 6
Distribution Transformer Change-Out Program 2535 TCOP Related Distribution Rebuilds 1,3 Distribution Wood Pole Management 2060 Elec Replacement/Relocation 2056 Distribution Line Relocations
Distribution Transformer Change-Out Program 2535 TCOP Related Distribution Rebuilds 1,3 Distribution Wood Pole Management 2060 Elec Replacement/Relocation 2056 Distribution Line Relocations
Program 2535 TCOP Related Distribution Rebuilds 1,3 Distribution Wood Pole Management 2060 Wood Pole Mgmt 1,5 Elec Replacement/Relocation 2056 Distribution Line Relocations 6
Elec Replacement/Relocation 2056 Distribution Line Relocations
Elec Replacement/Relocation 2056 Distribution Line Relocations
Lewiston Mill Road Sub Lewiston Mill Rd. 115 kV Substation -
Elec Meter Replacement Non
Meter Minor Blanket 2073 Revenue
New Revenue - Growth 1000 Electric Revenue Blanket 5,0
1002 Electric Meters Minor Blanket
1003 Distribution Line Transformers 1,5 1004 Street Lt Minor Blanket
1004 Street Lt Willor Blanket
Lucky Friday 115 kV Rebuild for
1106 Load Growth
Primary URD Cable Replacement 2054 Electric Underground Replacement 4
Segment Reconductor and FDR Tie Program 2515 Distribution - CdA East & North
2010 Platibulion Conteat a Holling
2516 Distribution - Pullman & Lewis Clark
Storms 2059 Failed Electric Dist Plant-Storm 1,8
Substation - Asset Mgmt. Capital
Maintenance 2275 System - Rock/Fence Restore System-Replace Obsolete
System-Replace Obsolete
2278 Reclosers
2278 Reclosers
2278 Reclosers
2278 Reclosers

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			Cubatation Distribution Station			
			Substation - Distribution Station Rebuilds	2204	System Wood Substation Rebuilds	1,079,601
			Rebuilds		Blue Creek 115 kV - Rebuild	1,556,035
					Lucky Friday 115 kV - Rebuild	214,914
				2547	Noxon Construction Sub - Minor	214,914
				2572	Rebuild	27,160
			Transmission - Reconductors and	2312	System Transmission:Rebuild	27,100
			Rebuilds	2422	Condition	
			Rebuilds	2423		-
				25.40	Moscow City to North Lewiston	
				2549	115kV Rebuild Proj	-
			West Frederic		Sys-Dist Reliability-Improve Worst	007.101
		ID T . I	Worst Feeders	2414	Fars	697,101
		ID Total	D 1 6 8	7050	5 1 2 2 1 2 2	25,701,348
		MT	Productivity	7050	Productivity Initiative	24,464
			Substation - Asset Mgmt. Capital			
			Maintenance	2253	System - Upgrade Meters	58,285
			O L v ii	2336	System - Replace Dist Power Xfmrs	(1,393)
			Substation - Distribution Station		Noxon Construction Sub - Minor	
			Rebuilds	2572	Rebuild	666,997
		MT Total				748,353
		WA	Dist Grid Modernization		Dist Grid Modernization	5,868,484
					Feeder Automation Upgrades	3,003
			Distribution Line Protection	2276	Distribution Line Protection	290,643
			Distribution Minor Rebuild	2055	Electric Distribution Minor Blanket	5,025,286
			Distribution Transformer Change-Out			
			Program	2535	TCOP Related Distribution Rebuilds	2,110,823
			Distribution Wood Pole Management	2060	Wood Pole Mgmt	6,506,585
			Elec Replacement/Relocation	2056	Distribution Line Relocations	771,518
					WSDOT Franchise Requirements	
				2061	Construction	9,401
			Environmental Compliance	6000	PCB Identification & Disposal	8,923
					Elec Meter Replacement Non	
			Meter Minor Blanket	2073	Revenue	175,676
			New Revenue - Growth	1000	Electric Revenue Blanket	9,998,238
				1002	Electric Meters Minor Blanket	789,349
				1003	Distribution Line Transformers	5,479,957
					Street Lt Minor Blanket	935,486
					Area Light Minor Blanket	328,755
					Network Transformers & Network	,
				1009	Protectors	1,068,309
						,,
			Primary URD Cable Replacement	2054	Electric Underground Replacement	210,470
			Segment Reconductor and FDR Tie			,
			Program	2514	Distribution - Spokane North & West	2,200,430
						2,200, 100
				2516	Distribution - Pullman & Lewis Clark	78,118
					SGDP-Pullman Smart Grid	,
			Smart Grid Demonstration Project	2530	Demonstration Project	3,529,146
			Tone	2000	Spokane Electric Network Incr	5,525,170
			Spokane Electric Network	2058	Capacity	1,375,787
			The state of the s		Post St-Improvement/Upgrades	37,693
			Spokane Smart Circuit		Spokane Smart Circuit	577,930
			Spokane Valley Transmission	_0_0	-1	377,000
			Reinforcement	2526	Opportunity 12F2 Cx Fdr	_
			Storms		Failed Electric Dist Plant-Storm	5,124,594
			Substation - Asset Mgmt. Capital	_000	System-Replace Obsolete	5,.21,004
			Maintenance	227º	Reclosers	10,225
					SCADA - Install/Replace	53,122
				2233	System-Replace/Upgrade Voltage	33,122
				2/02	Regulators	301,265
			Substation - Capital Spares		Power Xfmr-Distribution	870,134
			Substation - Capital Spares Substation - Distribution Station	1000	T OWER AITH-DISTINGUION	070,134
			Rebuilds	2202	Millwood Sub - Rebuild	788,210
			Substation - New Distribution	2203	Greenacres 115-13kV Sub - New	100,210
				2442	Construct	272 272
			Stations	2443	Sys-Dist Reliability-Improve Worst	272,873
			Worst Feeders	2444	Edre	
		MA Total	Worst Feeders	2414	Fdrs	1,404,131
	CD	WA Total				1,404,131 56,204,564
	GD	WA	Worst Feeders New Revenue - Growth		Fdrs Electric Meters Minor Blanket	
Elec Distribution 200						56,204,564 - -
Elec Distribution 360-3	73 Total	WA			Electric Meters Minor Blanket	
Elec Transmission 350	73 Total	WA WA Total	New Revenue - Growth	1002	Electric Meters Minor Blanket Clearwater 115 kV Substation	56,204,564 - - 89,806,724
	73 Total	WA		1002	Electric Meters Minor Blanket Clearwater 115 kV Substation Upgrades	56,204,564 - -
Elec Transmission 350	73 Total	WA WA Total	New Revenue - Growth Clearwater Sub Upgrades	1002 2571	Electric Meters Minor Blanket Clearwater 115 kV Substation Upgrades Colstrip Transmission-PNACI	56,204,564 - - 89,806,724 2,164,375
Elec Transmission 350	73 Total	WA WA Total	New Revenue - Growth Clearwater Sub Upgrades Colstrip Transmission	1002 2571 2214	Electric Meters Minor Blanket Clearwater 115 kV Substation Upgrades Colstrip Transmission-PNACI Capital Additions	56,204,564 - - 89,806,724 2,164,375 249,307
Elec Transmission 350	73 Total	WA WA Total	New Revenue - Growth Clearwater Sub Upgrades	1002 2571 2214	Electric Meters Minor Blanket Clearwater 115 kV Substation Upgrades Colstrip Transmission-PNACI Capital Additions Forest Srvc Rqmts	56,204,564 - - 89,806,724 2,164,375
Elec Transmission 350	73 Total	WA WA Total	New Revenue - Growth Clearwater Sub Upgrades Colstrip Transmission	2571 2214 6101	Electric Meters Minor Blanket Clearwater 115 kV Substation Upgrades Colstrip Transmission-PNACI Capital Additions	56,204,564 - - 89,806,724 2,164,375 249,307

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Productivity Sociation Valley Transmission 244 Invest Sub - New Construction 111,373 3 3 3 3 3 3 3 3 3					
Reinforcement 246 Invis Sub - New Construction 111,373		•	7050	Productivity Initiative	5,075,910
Substation - 15 kV Line Relay Upgrades Substation - Asset Mgmt. Capital Maintenance Mainte			2446	Irvin Sub - New Construction	111,373
Substation - 15 kV Line Relay Spokane-CDA 15 kV Line Relay 43,072 2717 Upgrades 43,072 2718 Upgrades 43,072					-
Upgrades Substation - Asset Migmt. Capital Maintenance 2210 Ingrades 135,062 2520 System - Replace High Voltage 135,062 2520 System - Replace Might Roleys 145,062 2520 System - Replace Might Roleys 266,884 2640 Switches 266,884			2051	·	2,954,082
Substation - Asset Mgmt. Capital Maintenance			2217	•	42.072
Maintenance			2217		43,072
2242 System - Batteries 2245,965 2245,965 2245,965 235 236			2215		135,062
2246 System - Relations Substation Air 243,926.23				·	
2449 Switches 233,623					245,965
System-Replace/install Capacitor 2,390,024 System-Install Autotransformer 2,390,024 System-Install Autotransformer 2,390,024 System-Replace Current & Potential 2000 Power Forestial 2000 Power 2000 Pow					
245 Banks 2,392,024			2449		293,623
System-In-Istal Autotransformer 2,376			0404		0.000.004
2492 Diagnostic Monitor 22,798			2481		2,392,024
Substation - Capital Spares 2505 Devices 2006 Power Kim-Transmission 722,864			2492	•	23 796
Substation - Capital Spares 2000 Power Kimm-Transmission 722,864			2.02		20,100
2010 Power Circuit Breaker 194,165			2505	Devices	50,519
Substation - Olstribution Station Rebuilds		Substation - Capital Spares			722,854
Rebuilds			2001	Power Circuit Breaker	194,166
Harvain-Replace Breaker A 113 & 259 Assoc Air Switches G (8,879)			05.40	Place Occasio 445 IV. Palestid	4.40.000
Table Tabl		Rebuilds	2546		143,063
Trans/DistSux Reimbursable 2070 Projects 30,720 Thornton 230 kV Switching Station - Transmission - Asset Management 2057 Transmission Minor Rebuild 4,695,836 2254 2545			2550	·	(9.870)
Tab Reimbursable			2009		(3,073)
Thornton 230 kV Switching Station		T&D Reimbursable	2070		30,720
Transmission - Asset Management 2057 Transmission Minor Rebuild 4,695,836 2254 5ystem 115kV Air Switch Upgrade 167,392 2550 Line Ratings Mitigation Project 3,174,042 2560 Line Ratings Mitigation Project 3,174,042 2579 Low Priority Mitigation 1,097,509 2579 Low Priority Ratings Mitigation 1,097,509 2579 Low					,
Transmission - NERC High Priority Mitigation Transmission - NERC Low Priority Mitigation Transmission - NERC Medium Priority Mitigation Transmission - Reconductors and Rebuilds 2579 Low Priority Ratings Mitigation 1,097,509 2579 Low Prior		Thornton 230 kV Switching Station	2545	Construct	1,848
Transmission - NERC High Priority Mitigation Transmission - NERC Low Priority Mitigation Transmission - NERC Medium Priority Mitigation Transmission - Reconductors and Rebuilds 2579 Low Priority Ratings Mitigation 1,097,509 2579 Low Prior		Tono contrato de la casa	25	T	4 005
Transmission - NERC High Priority Mitigation 2500 Line Ratings Mitigation 1,097,509 277 277 278 279		ransmission - Asset Management	2057	ı ransmıssıon Mınor Rebuild	4,695,836
Transmission - NERC High Priority Mitigation 2500 Line Ratings Mitigation 2579 Low Priority Ratings Mitigation 1,097,509 2579 Low Priority Ratings Mitigation 1,754,639 2579 Low Priority Ratings Mitigation 1,097,509 2579 Low Priority Ratings Mitigation 1,754,639 2579 Low Priority Ratings Mitigation 1,097,509 229,832,830 2579 Low Priority Ratings Mitigation 1,097,509 229,832,832 2579 Low Priority Ratings Mitigation 1,097,509 229,832,832 2579 Low Priority Ratings Mitigation 1,097,509 229,832,832 2579 Low Priority Ratin			2254	System 115kV Air Switch Ungrade	167 302
Mitigation Transmission - NERC Low Priority Mitigation Transmission - NERC Medium Priority Mitigation Transmission - Reconductors and Rebuilds 2579 Low Priority Ratings Mitigation 1,097,509 1,754,639 2581 Medium Priority Ratings Mitigation 1,754,639 2457 2580 Imen Ratings Mitigation 1,097,509 1,754,639 2581 Medium Priority Ratings Mitigation 1,754,639 2457 2580 Imen Ratings Mitigation 1,754,639 2581 Medium Priority Ratings Mitigation 1,754,639 2581 Medium Priority Ratings Mitigation 1,754,639 2582 Benton-Othello 115 Recond 2,285,424 2580 Imen Ratings Mitigation 1,097,509 1,754,639 2581 Medium Priority Ratings Mitigation 1,754,639 2581 Marks Phompson A&B 115kV 2238,282 283 Extended Pauli 15kV 2301 NTohal Permits and Settlements 2579 Devices 101 Tohal Permits and Settlements 2587 System - Replace Mustation Air Pauli 15kV 2449 Switches 2581 Mustation - Asset Mgmt. Capital 2588 System - Replace Mustation Air Pauli 15kV 2489 Switches 25		Transmission - NERC High Priority	2254	System 113KV All Switch Opgrade	107,332
Transmission - NERC Low Priority Mitigation 1,097,509 2579 Low Priority Ratings Mitigation 1,097,509 2581 Medium Priority Mitigation 1,754,639 2457 Benton-Othello 115 Record 2,285,424 Burke-Thompson A&B 115kV 2,283,328 Devils Gap-Life of 15 kV 2,283,328 Devil			2560	Line Ratings Mitigation Project	3.174.042
Transmission - NERC Medium				,	-, ,-
Priority Mitigation 1,754,639 Transmission - Reconductors and Rebuilds 2457 Benton-Othello 115 Recond 2,285,424 Burke-Thompson A&B 116NV 2500 Transmission Rebuil Proj 2,238,328 Devils Gap-Lind 115kV 2504 Transmission Rebuil Proj 1,414,434 2301 Tribal Permits and Settlements 2449 Switches 3,009 MT Total Maintenance 2481 System - Replace Substation Air 2449 Switches 3,009 MSocow 230 Sustation Rebuild 2449 Switches 3,009 MSocow 230 Sustation Rebuild 2449 Switches 3,009 MSocow 230 Sustation Rebuild 2449 Switches 3,009 MSocow 230 kV Sub - Rebuild 230 Tribal Permits and Settlements 2249 Switches 3,009 MSocow 230 kV Sub - Rebuild 230 Tribal Permits and Settlements 2249 Switches 3,009 MSocow 230 kV Sub - Rebuild 230 Tribal Permits and Settlements 2249 Switches 3,009 MSocow 230 kV Sub - Rebuild 230 Tribal Permits and Settlements 2249 Switches 3,009 MSocow 230 kV Sub - Rebuild 230 Tribal Permits and Settlements 2249 Switches 3,009 MSocow 230 kV Sub - Rebuild 230 Tribal Permits and Settlements 2249 Switches 3,009 MSocow 230 kV Sub - Rebuild 230 Tribal Permits and Settlements 2249 Switches 3,009		Mitigation	2579	Low Priority Ratings Mitigation	1,097,509
Transmission - Reconductors and Rebuilds					
Rebuilds		, ,	2581	Medium Priority Ratings Mitigation	1,754,639
Burke-Thompson A&B 115kV 2,238,328			2457	Ponton Othollo 115 Pocond	2 205 424
		Rebuilds	2457	·	2,205,424
Devils Gap-Lind 115kV 2564 Transmission Rebuild Proj 1,414,434 2301 Tribal Permits and Settlements 194,519 Westside Rebuild 2301 Westside 230 kV Substation - Rebuild 38,814,229 ID Environmental Compliance 6101 Forest Srvc Rgmts 712 Moscow 230 Sustation Rebuild Substation - Asset Mgmt. Capital Maintenance 2216 Breakers 14,208 2252 System - Replace High Voltage 2215 Breakers 14,208 2252 System - Replace Substation Air 2449 Switches 2506 Devices 165 Substation - Asset Mgmt. Capital 2506 Devices 2507 Tribal Permits and Settlements 2301 Tribal Permits and Settlements 2449 Switches 3,009 Moscow 230 kV Sub - Rebuild 230 477,650 System - Replace High Voltage 2215 Breakers 14,208 2252 System - Replace Substation Air 2449 Switches 2506 Devices 165 Substation - Distribution Station 2506 Devices 2507 Projects 2507			2550		2.238.328
Tribal Permits and Settlements 2301 Tribal Permits and Settlements 194,519 Westside Rebuild 230 kV Substation - 2351 Rebuild 3,8,814,229 10 10 10 10 10 10 10 1					,,-
Westside Rebuild 2531 Rebuild			2564	Transmission Rebuild Proj	
Moscow 230 Sustation Rebuild Substation - Asset Mgmt. Capital Rebuilds Substation - Asset Mgmt. Capital Rebuild Rebuilds Substation - Asset Mgmt. Capital Rebuild Rebuild Rebuilds Substation - Asset Mgmt. Capital Rebuild		Tribal Permits and Settlements	2301		194,519
AN Total ID			0504		
ID	AN Total	Westside Reduild	2531	Rebuild	38 814 220
Moscow 230 Sustation Rebuild 2484 kV Yard 30 kV Sub - Rebuild 230		Environmental Compliance	6101	Forest Srvc Ramts	
Moscow 230 Sustation Rebuild Substation - Asset Mgmt. Capital Maintenance 2484 KV Yard 417,650 2215 Breakers 14,208 2215 System - Replace Substation Air 2449 Switches 2007	10	2ona compilare	0101		7.12
Maintenance		Moscow 230 Sustation Rebuild	2484		417,650
2252 System - Replace/Install Relays 1,314 System - Replace Substation Air 102,895 System - Replace Substation Air 102,895 System - Replace Current & Potential 2505 Devices 165 Devic		Substation - Asset Mgmt. Capital		System - Replace High Voltage	
System - Replace Substation Air 2449 Switches 102,895 System-Replace Current & Potential 2505 Devices 165 Substation - Distribution Station Rebuilds 2566 Devices 2566 Devices 165 1		Maintenance		Breakers	
2449 Switches 102,895 System-Replace Current & Potential 165			2252		1,314
System-Replace Current & Potential 2505 Devices 165			0440		400.005
Substation - Distribution Station Rebuilds 2546 Blue Creek 115 kV - Rebuild 171,380			2449		102,895
Substation - Distribution Station Rebuilds			2505		165
Rebuilds		Substation - Distribution Station			100
T&D Reimbursable 2070 Projects (1,133)			2546		171,380
Tribal Permits and Settlements 2301 Tribal Permits and Settlements 90,338 1D Total				Trans/Dist/Sub Reimbursable	
ID Total Substation - Asset Mgmt. Capital System - Replace Substation Air 3,009					
Substation - Asset Mgmt. Capital MT Maintenance	ID Total	Tribal Permits and Settlements	2301	Tribal Permits and Settlements	
MT Maintenance 2449 Switches 3,009 MT Total	וסוסוו	Substation - Asset Mamt, Canital		System - Replace Substation Air	797,530
MT Total 3,009 Moscow 230 kV Sub - Rebuild 230 77,126 Substation - Asset Mgmt. Capital Maintenance 2252 System - Replace/Install Relays 9,083 2294 System - Batteries 12,855 System - Replace Substation Air 2449 Switches 71,481 System-Replace/Install Capacitor 2481 Banks 229,392 System-Replace Current & Potential 2505 Devices 507 Tribal Permits and Settlements 2301 Tribal Permits and Settlements 29,874	MT	• .	2440		3 009
Moscow 230 Sustation Rebuild 2484 kV Yard 77,126			2173		
Substation - Asset Mgmt. Capital Maintenance 2252 System - Replace/Install Relays 9,083				Moscow 230 kV Sub - Rebuild 230	-,
Maintenance 2252 System - Replace/Install Relays 9,083 2294 System - Batteries 12,855 System - Replace Substation Air 2449 Switches 71,481 System-Replace/Install Capacitor 2481 Banks 229,392 System-Replace Current & Potential 2505 Devices 507 Tribal Permits and Settlements 2301 Tribal Permits and Settlements 29,874	WA	Moscow 230 Sustation Rebuild	2484	kV Yard	77,126
2294 System - Batteries 12,855		• .		Contain Bankasa (L. 1951)	
System - Replace Substation Air 2449 Switches 71,481 System-Replace/Install Capacitor 2481 Banks 229,392 System-Replace Current & Potential 2505 Devices 507 Tribal Permits and Settlements 2301 Tribal Permits and Settlements 29,874		iviaintenance			,
2449 Switches 71,481 System-Replace/Install Capacitor 2481 Banks 229,392 System-Replace Current & Potential 2505 Devices 507 Tribal Permits and Settlements 2301 Tribal Permits and Settlements 29,874			2294		12,855
System-Replace/Install Capacitor 2481 Banks 229,392			2449		71 481
2481 Banks 229,392 System-Replace Current & Potential 2505 Devices 507 Tribal Permits and Settlements 2301 Tribal Permits and Settlements 29,874					, .
2505 Devices 507 Tribal Permits and Settlements 2301 Tribal Permits and Settlements 29,874			2481		229,392
Tribal Permits and Settlements 2301 Tribal Permits and Settlements 29,874			2401		
				System-Replace Current & Potential	
		Tribal Descrite and Coulty	2505	System-Replace Current & Potential Devices	

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Elec Transmission 350)-359 Tota					40,045,086
Gas Distribution 374-			Gas Chase Rd Gate Stn and HP		Construct Chase Rd Gate Stn Post	
387	ED	ID	Main Project	3246	Falls ID	18,370
		ID Total				18,370
	GD	AA	Gas Telemetry Program	3117	Gas Telemetry	153,249
	GD	AA Total	Cas relementy r regram	3117	Gas relemeny	,
		AA TOTAL	0 0 1 0 0 0 1			153,249
			Gas Regulator Stn Replacement			
		AN	Program	3002	Regulator Reliable - Blanket	127,100
			Gas Telemetry Program	3117	Gas Telemetry	-
		AN Total	, ů		,	127,100
		ID	Aldul A Banlagament	2000	Aldyl -A Pipe Replacement	3,280,744
		ID	Aldyl A Replacement	3000	Aldyl -A Pipe Replacement	3,200,744
			Gas Cathodic Protection Program	3004	Cathodic Protection-Minor Blanket	87,039
			Gas Chase Rd Gate Stn and HP		Construct Chase Rd Gate Stn Post	
			Main Project	3246	Falls ID	56,052
			Gas Isolated Steel Replacement	02.0		00,002
				0007	Included Charles Danie assessed	40.444
			Program	3007	Isolated Steel Replacement	18,441
					Gas Distribution Non-Revenue	
			Gas Non-Revenue Program	3005	Blanket	614,897
					Gas Meter Replacement Non	
			Gas PMC Program	3055	Revenue	217,209
				3033	revende	217,200
			Gas Regulator Stn Replacement			
			Program		Regulator Reliable - Blanket	35,195
			Gas Reinforcement Program	3000	Gas Reinforce-Minor Blanket	49,427
			Gas Replacement Street and			
			Highway Program	3003	Gas Replace-St&Hwy	191,026
			Gas Telemetry Program		Gas Telemetry	256,341
			Install Dover Gate Station		Install Dover Gate Station	-
			New Revenue - Growth	1001	Gas Revenue Blanket	3,737,461
			Old Hwy 95 Relocation	3298	Old Hwy 95 Relocation	803
		ID Total	,		,	8,544,636
			Aldul A Danisasant	0000	Aldul A Dina Danlasanant	
		OR	Aldyl A Replacement	3008	Aldyl -A Pipe Replacement	5,254,289
			Gas Cathodic Protection Program	3004	Cathodic Protection-Minor Blanket	37,125
			Gas Deteriorated Steel Pipe			
			Replacement Program	3001	Replace Deteriorating Gas System	783,487
				3001	Tropiace Deteriorating Gas Gystern	700,407
			Gas Isolated Steel Replacement			
			Program	3007	Isolated Steel Replacement	464,566
					Gas Distribution Non-Revenue	
			Gas Non-Revenue Program	3005	Blanket	4,027,424
			Gas Oakland Bridge HP Main Gas		Oakland Bridge Bore & Relocation,	.,,
				0057		007.000
			Project	3257	Oakland OR	287,289
			Gas Overbuilt Pipe Replacement			
			Program	3006	Overbuilt Pipe Replacement Blanket	733,040
					Gas Meter Replacement Non	
			Gas PMC Program	3055	Revenue	336,615
				3033	revende	330,013
			Gas Regulator Stn Replacement			
			Program	3002	Regulator Reliable - Blanket	287,250
			Gas Reinforcement Program	3000	Gas Reinforce-Minor Blanket	196,867
			Gas Replacement Street and			
			•	3003	Gas Penlace-St&Hww	3 567 979
			Highway Program	3003	Gas Replace-St&Hwy	3,567,878
					HWY 62 - HP & IP Main Relocation	
					& SSFT #1316	3,171
			Gas Telemetry Program	3117	Gas Telemetry	430,014
			New Revenue - Growth		Gas Revenue Blanket	3,396,347
					Gas Meters Minor Blanket	787,048
					Gas Regulators Minor Blanket	44,246
					Gas ERT Minor Blanket	10,321
			Reinforce-Pierce Rd, La Grande	3300	Reinforce-Pierce Rd, La Grande	2,587
		OR Total				20,649,565
		WA	Aldyl A Replacement	3008	Aldyl -A Pipe Replacement	8,340,596
				5500		5,5 15,550
			One On the die Desir die D		Outhor the Destanting Att. Bt. 1	000 07:
			Gas Cathodic Protection Program	3004	Cathodic Protection-Minor Blanket	663,271
			Gas Deteriorated Steel Pipe			
			Replacement Program	3001	Replace Deteriorating Gas System	463,347
			Gas Isolated Steel Replacement		<u> </u>	,
			Program	2007	Isolated Steel Replacement	1,350,683
			1 Togram	3007		1,000,000
			0 N D -		Gas Distribution Non-Revenue	
			Gas Non-Revenue Program	3005	Blanket	1,719,981
			Gas Overbuilt Pipe Replacement			
			Program	3006	Overbuilt Pipe Replacement Blanket	46,029
					Gas Meter Replacement Non	
			Gas PMC Program	2055	·	610 244
			Gas PMC Program	3055	Revenue	619,241
			Gas Regulator Stn Replacement			
			Program		Regulator Reliable - Blanket	238,647
			Gas Reinforcement Program	3000	Gas Reinforce-Minor Blanket	775,740
				,,,,	Reinforcement Appleway Bridge	,
				2000		
			One Berland 100	3268	Crossing, Lib Lk, WA	-
			Gas Replacement Street and			
			Highway Program	3003	Gas Replace-St&Hwy	972,010
			Gas Telemetry Program	3117	Gas Telemetry	212,235
			,g		,	. =,= 50

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			New Revenue - Growth		Gas Revenue Blanket	6,353,360
				1050	Gas Meters Minor Blanket	1,217,397
				1051	Gas Regulators Minor Blanket	280,853
				1053	Gas ERT Minor Blanket	673,716
			Reinforce, Upgrd Reg Stn 15,		Reinforce, Upgrd Reg Stn 15,	
			Separate HP,SpokWA	3263	Separate HP,SpokWA	-
			обрания на убрания н		Install Gas AMI for Pullman Smart	
			Smart Grid Demonstration Project	3201	Grid	12,106
		WA Total	Smart Ghu Demonstration Froject	3291	Gild	
0 0: 1: 1: 0=101		WA TOTAL				23,939,211
Gas Distribution 374-38	3/ I otal	_				53,432,131
Gas Underground						
Storage 350-357	GD	AN	Jackson Prairie Storage	7201	Jackson Prairie Storage	657,681
		AN Total				657,681
		OR	Jackson Prairie Storage	7201	Jackson Prairie Storage	70,245
		OR Total				70,245
Gas Underground Stora	age 350-3	57 Total				727,926
General 389-391 / 393-						, , ,
395 / 397-398	CD	AA	Capital Tools & Stores Equipment	7002	Office Mach & Equiq	_
3337 331 330	OD	7//	Capital 10013 & Otores Equipment		Tools Lab & Shop Equipment	524,187
			Olivia Francisca Basical			
			Clinic Expansion Project	7120	Spokane Health Clinic	138,545
					Long term Campus Re-Structuring	
			COF Long-Term Restructuring Plan	7126	Plan	982,481
			Dollar Rd Service Center Addition		Dollar Road Land Purchase and	
			and Remodel	7107	Facility Expansion	-
			Enterprise Security		Security Systems	869,234
			HVAC Renovation Project		COF HVAC Improvmt	4,947,204
			Next Generation Radio Refresh		Next Generation Radio System	11,483,620
					Productivity Initiative	200.317
			Productivity			, -
			SCADA - SOO & BUCC	2277	SCADA Upgrade	485,690
			Structures and			
			Improvements/Furniture	7001	Structures & Improv	2,238,406
				7003	Office Furniture	92,159
			Technology Expansion to Enable		Information Technology Expansion	
			Business Process	5006	Program	165,210
		AA Total				22,127,052
		AN	Capital Tools & Stores Equipment	7005	Stores Equip	481,419
		AIN	Dollar Rd Service Center Addition	7003		401,413
					Dollar Road Land Purchase and	
			and Remodel	7107	Facility Expansion	1,194
			Structures and			
			Improvements/Furniture	7001	Structures & Improv	45,859
			Technology Expansion to Enable		Information Technology Expansion	
			Business Process	5006	Program	_
		AN Total			,	528,471
		ID	Capital Tools & Stores Equipment	7005	Stores Equip	677
		ID		7005	Stores Equip	077
			Structures and			
			Improvements/Furniture	7001	Structures & Improv	42,896
			Technology Expansion to Enable		Information Technology Expansion	
			Business Process	5006	Program	46
		ID Total				43,619
			Structures and			
		OR	Improvements/Furniture	7001	Structures & Improv	(483,555)
		OR Total	Improvemente, animare		on actardo a improv	(483,555)
		Oit Iolai	Structures and			(400,000)
		10/0		7001	Structures & I	404 440
		WA	Improvements/Furniture		Structures & Improv	121,410
				7003	Office Furniture	-
		WA Total				121,410
	ED	AN	Capital Tools & Stores Equipment	7006	Tools Lab & Shop Equipment	64,179
			Enterprise Security		Security Systems	514,899
			,			,
			Environmental Compliance	6002	Environmental Compliance Blanket	41,464
			High Voltage Protection for	0002	Danket	71,404
			Substations	F4.40	High Voltage Protection United	04 444
			Substations	5142	High Voltage Protection Upgrade	31,441
			Microwave Refresh		Microwave Replacement with Fiber	1,162,673
			Productivity	7050	Productivity Initiative	1,126,898
			SCADA - SOO & BUCC	2277	SCADA Upgrade	745,065
			Structures and			, -
			Improvements/Furniture	7001	Structures & Improv	121,475
				7001		121,770
			Technology Expansion to Enable	F00-	Information Technology Expansion	
			Business Process	5006	Program	-
		AN Total				3,808,094
			High Voltage Protection for			
			Substations	5142	High Voltage Protection Upgrade	670,155
		ID	Jubstations			-,
		ID			Post Falls S Channel Gate	
		ID	Post Falls South Channel	/160	Post Falls S Channel Gate	52.060
		ID	Post Falls South Channel Replacement	4162	Post Falls S Channel Gate Replacement	52,969
		ID	Post Falls South Channel Replacement Structures and		Replacement	
			Post Falls South Channel Replacement			52,969 38,069
		ID Total	Post Falls South Channel Replacement Structures and		Replacement	
			Post Falls South Channel Replacement Structures and		Replacement	38,069
		ID Total	Post Falls South Channel Replacement Structures and Improvements/Furniture Structures and	7001	Replacement Structures & Improv	38,069 761,194
			Post Falls South Channel Replacement Structures and Improvements/Furniture	7001	Replacement	38,069

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		WA	High Voltage Protection for Substations	5142	High Voltage Protection Upgrade	822,058
		***	Productivity		Productivity Initiative	85,047
			Smart Grid Workforce Training Grant			
			- DOE Structures and	7205	Smart Grid Workforce Training	320,235
			Improvements/Furniture	7001	Structures & Improv	27,868
		WA Total				1,255,208
	GD	AA	Capital Tools & Stores Equipment		Tools Lab & Shop Equipment	898,575
			Completed		Gas Compliance Applications	-
		AA Total	SCADA - SOO & BUCC	2277	SCADA Upgrade	189,753 1,088,328
		AN	Capital Tools & Stores Equipment	7006	Tools Lab & Shop Equipment	1,459
		AN Total				1,459
			Structures and			
		OR Tatal	Improvements/Furniture	7001	Structures & Improv	172,288
		OR Total WA	Capital Tools & Stores Equipment	7006	Tools Lab & Shop Equipment	172,288 943
		****	Structures and	1000	Toolo Lab a Griop Equipmont	0.10
			Improvements/Furniture	7001	Structures & Improv	57,414
			Technology Expansion to Enable		Information Technology Expansion	
		WA Total	Business Process	5006	Program	(1,579) 56,779
		WA TOTAL	Structures and			30,779
	ZZ	AA	Improvements/Furniture	7001	Structures & Improv	580,874
		AA Total				580,874
General 389-391 / 393-3					1 =	30,544,775
Hydro 331-336	ED	AN	Base Load Hydro		Base Hydro Clark Fork License/Compliance	348,571
			Clark Fork Settlement Agreement	6100	Clark Fork License/Compliance Clark Fork Implement PME	155,921
				6103	Agreement	9,618,157
			Hydro Safety Minor Blanket		Hydro Generation Minor Blanket	4,811
					Little Falls Powerhouse	
			Little Falls Plant Upgrade		Redevelopment	2,252,571
			Nine Mile Rehab	4140	Nine Mile Redevelopment Noxon Rapids Unit 4 Runner	7,758,322
			Noxon Rapids Turbine Replacement	4139	Upgrade	42,986
			Regulating Hydro		Regulating Hydro	2,504,601
			Spokane River License		Spokane River Implementation	
		ANITOLO	Implementation	6107	(PM&E)	5,502,748
		AN Total WA	Base Load Hydro	4147	Base Hydro	28,188,689 29,486
		WA Total	Base Load Hydro	4147	Dase Hydro	29,486
Hydro 331-336 Total						28,218,175
None	ED	AN	#N/A	8000	Accounting Transfer Adjustments	(22,152)
		AN Total	#N/A	0000	A a a a suprime of Transfer Adistates and	(22,152)
		ID ID Total	#IN/A	8000	Accounting Transfer Adjustments	
	GD	AN	#N/A	8000	Accounting Transfer Adjustments	(418)
		AN Total				(418)
	ZZ	AN	#N/A	8000	Accounting Transfer Adjustments	14,032
None Total		AN Total		_		14,032
None Total						(8,538)
Other Elec Production						
/ Turbines 340-346	ED	AN	Base Load Thermal Plant		Base Load Thermal	1,366,886
		ANTER	Peaking Generation	4150	Peaking Generation	85,413
Other Elec Production	/ Turbine	AN Total s 340-346 Tot	tal			1,452,299 1,452,299
Software 303	CD	AA	Apprentice Training	7200	Appren Craft Train	36,949
			AvistaUtilities.com and AvaNet	00	11.5	23,010
			Redesign	5143	AU.com AVANet Redevelopment	301,867
			CCC Danisas	F400	Customer Information System (CIS)	400.00=
			CSS Replacement	5138	Replacement	138,886
			Enterprise Business Continuity Plan	5010	Enterprise Business Continuity	266,087
			GridGlo GFX Integration		GridGlo GFX Integration	608,506
			Mobility in the Field	5144	Mobility in the Field	319,525
			Technology Expansion to Enable	F000	Information Technology Expansion	4 004 050
			Business Process Technology Refresh to Sustain	5006	Program Information Technology Refresh	4,294,352
			Business Process	5005	Program	12,157,847
		AA Total				18,124,018
			Technology Expansion to Enable		Information Technology Expansion	
		AN	Business Process	5006	Program	-
			Technology Refresh to Sustain	EOOF	Information Technology Refresh	(0.440)
		AN Total	Business Process	5005	Program	(2,413)
		, 4 TOTAL	Technology Refresh to Sustain		Information Technology Refresh	(2,413)
		ID	Business Process	5005	Program	58,568
		ID Total				58,568

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	onofe 1-	nlont in deer	to the delay in project compass. This del	lov bee -	nifted actual transfers from 204.4 to the	CWIP Summar
Orana rotar			1		İ	OMUD O
Grand Total						279,642,278
Fransportation and To	ols 392 / 3	96 Total				7,051,983
		WA Total			1	728,578
		VVA	Fleet Budget		Transportation Equip	606,777
		OR Total WA	CNG Fleet Conversion	7107	CNG Fleet Conversion	181,911 121,801
		OD T-1-1	Fleet Budget	7000	Transportation Equip	-
		OR	CNG Fleet Conversion		CNG Fleet Conversion	181,911
		ID Total	Ŭ.			129,966
		ID	Fleet Budget	7000	Transportation Equip	129,966
		AN Total	Ticor budget	, 000	Transportation Equip	278,967
	GD	AN	CNG Fleet Conversion Fleet Budget		Transportation Equip	13,273 265,694
	CD	WA Total	CNG Floot Conversion	7407	CNG Fleet Conversion	1,461,679
		10/0 T : :	Fleet Budget	7000	Transportation Equip	1,276,459
		WA	CNG Fleet Conversion		CNG Fleet Conversion	185,220
		ID Total				855,898
		ID	Fleet Budget	7000	Transportation Equip	855,898
		AN Total		. 000		1,562,848
	ED	AN	Fleet Budget	7000	Transportation Equip	1,562,848
		WA Total	Ticor Dudger	, 000	Transportation Equip	148,079
		WA	CNG Fleet Conversion Fleet Budget		CNG Fleet Conversion Transportation Equip	65,609 82,470
		ID Total	CNC Float Conversion	7407	CNC Floot Conversion	1,090,582
		ID T	Fleet Budget	7000	Transportation Equip	80,760
		ID	CNG Fleet Conversion		CNG Fleet Conversion	1,009,822
		AN Total				576,418
			Fleet Budget		Transportation Equip	475,236
		AN	CNG Fleet Conversion	7127	CNG Fleet Conversion	101,183
		AA Total	Floor Budget	1000	тапэропацоп сушр	37,057
ools 392 / 396	CD	AA	CNG Fleet Conversion Fleet Budget		CNG Fleet Conversion Transportation Equip	37,057
ransportation and	CD	^ ^	CNC Float Conversion	7407	CNC Float Conversion	
hermal 311-316 Total						8,737,003
		AN Total				8,737,003
			KFGS Ash Collector	4168	KFGS Ash Collector	2,160,083
			Kettle Falls Water Supply		Wells	-
				, 100	Kettle Falls Develop New River	332,032
				7130	Generator Failure	532,052
hermal 311-316	ED	AN	Colstrip Thermal Capital	4116	Colstrip Capital Additions Colstrip Unit 4 Outage due to	6,044,868
oftware 303 Total	LED	A N I	Colotin Thomas Control	,,,,	Colorin Conital Additions	19,634,713
		AA Total				432,054
			Business Process	5005	Program	36,441
			Technology Refresh to Sustain		Information Technology Refresh	. ,,-
			Mobility in the Field		Mobility in the Field	262,027
			Enterprise Business Continuity Plan	5010	Enterprise Business Continuity	10,478
	GD	AA	CSS Replacement	5138	Replacement	123,107
	CD	Λ Λ	CSS Bankagement	E120	Customer Information System (CIS)	122 107
		WA Total				66,324
			Business Process	5005	Program	62,237
			Technology Refresh to Sustain		Information Technology Refresh	
		WA	Apprentice Training	7200	Appren Craft Train	4,087
		AN Total		0000		791,528
			Business Process	5005	Program	676,905
		AIN	Technology Refresh to Sustain	3000	Information Technology Refresh	114,623
	ED	AN	Technology Expansion to Enable Business Process	5006	Information Technology Expansion Program	114 62
		WA Total	T			164,634
		WA	Business Process	5005	Program	164,634
				EOOE		

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2015 TRANSFERS TO	O PLAN	Γ-ACTUAL				
Attachment 2.5						
	A					
Depreciation	Asset	Jurisdicti				
category	e	on	Business Case	Erval	Er desc	Total
Elec Distribution 360-						
373	AN	CD	Customer Prepay	2585	Customer Prepay	-
		CD Total				-
		ED	Dist Grid Modernization		Dist Grid Modernization	10,925,001
			Distribution Line Protection		Distribution Line Protection	125,000
			Distribution Minor Rebuild Distribution Transformer Change-Out	2055	Electric Distribution Minor Blanket	8,300,010
			Program	2535	TCOP Related Distribution Rebuilds	4,700,000
			Distribution Wood Pole Management		Wood Pole Mgmt	11,000,002
			Elec Replacement/Relocation		Distribution Line Relocations	2,400,003
			Environmental Compliance		PCB Identification & Disposal	150,000
			Meter Minor Blanket		Elec Meter Replacement Non Revenue	299,998
			New Revenue - Growth		Electric Revenue Blanket	13,010,101
					Electric Meters Minor Blanket Distribution Line Transformers	550,000 6,500,400
		Starting in	2012, the CWIP balance began to grow, r		Street Lt Minor Blanket	700,001
		Starting in	2012, the CWIF balance began to grow, i		Area Light Minor Blanket	600,002
			Primary URD Cable Replacement		Electric Underground Replacement	999,999
			Segment Reconductor and FDR Tie		<u> </u>	355,500
			Program	2516	Distribution - Pullman & Lewis Clark	799,196
			Storms	2059	Failed Electric Dist Plant-Storm	2,000,000
			Street Light Management	2584	Street Light Conversion to LED Fixtures	1,500,000
			Substation - Asset Mgmt. Capital			======
			Maintenance		System - Upgrade Meters	50,000 100,000
					System - Rock/Fence Restore System-Replace Obsolete Reclosers	407,716
					SCADA - Install/Replace	200,000
					System - Replace Dist Power Xfmrs	300,000
				2425	System - High Voltage Fuse Upgrades	100,000
					System-Replace/Upgrade Voltage Regulators	350,000
			Substation - Capital Spares	1006	Power Xfmr-Distribution	1,200,000
			Substation - Distribution Station	0004	0	455.040
			Rebuilds Transmission - Reconductors and	2204	System Wood Substation Rebuilds	155,312
			Rebuilds	2423	System Transmission:Rebuild Condition	2,500,000
			Worst Feeders		Sys-Dist Reliability-Improve Worst Fdrs	1,999,185
		ED Total				71,921,926
	ID	ED	Dist Grid Modernization	2570	Sandpoint Grid Modernization Project	75,000
			Segment Reconductor and FDR Tie			
			Program	2515	Distribution - CdA East & North	814,261
			Substation - Distribution Station Rebuilds	2502	N. Moscow - Increase Capacity	
		ED Total	Rebuilds	2302	N. Moscow - Increase Capacity	889,261
	WA	ED	Elec Replacement/Relocation	2061	WSDOT Franchise Requirements Construction	-
			Franchising for WSDOT		WSDOT Highway Franchise Consolidation	427,372
			Harrington Upgrades	2289	Harrington Conversion to 13 kV	2,025,060
			New Revenue - Growth	1009	Network Transformers & Network Protectors	920,000
			Segment Reconductor and FDR Tie			
			Program		Distribution - Spokane North & West	2,121,026
			Spokane Electric Network		Spokane Electric Network Incr Capacity Metro FDR Upgrade	1,800,307 499,996
			Substation - Distribution Station	2231	wello'l bit opgrade	499,990
			Rebuilds	2317	Lyons & Standard 115 Sub-Incr Capacity	-
					Northwest 115 kV - Rebuild Substation	-
					Chester 115 kV - Rebuild Substation	-
					Gifford 115 kV - Rebuild Substation	1,207,091
			Outstation N. Division Or in		Deer Park 115 kV Substation - Minor Rebuild	750,000
		ED Total	Substation - New Distribution Stations	2443	Greenacres 115-13kV Sub - New Construct	2,026,134 11,776,986
Elec Distribution 360	-373 To					84,588,173
Elec Transmission	-5.5.10	ren				
350-359	AN	ED	Clearwater Sub Upgrades	2571	Clearwater 115 kV Substation Upgrades	500,000
			Colstrip Transmission		Colstrip Transmission Capital Additions	491,436
			Environmental Compliance		Forest Srvc Rqmts	100,000
			Noxon Switchyard Rebuild	2532	Noxon 230 kV Substation - Rebuild	8,325,000
			Spokane Valley Transmission Reinforcement	047	Bassan Baulder #0 445: O '' ''	
			POINTATCOMONT	24/4	Beacon-Boulder #2 115: Capacity Upgrade	1 -
						1 000 000
			Storms Substation - 115 kV Line Relay		Electric Transmission Plant-Storm	1,000,000

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			Outstation Assat Manual Constant			
			Substation - Asset Mgmt. Capital Maintenance	2215	System - Replace High Voltage Breakers	400,000
			Walliterlande		System - Replace/Install Relays	350,000
					System - Replace Obsolete Circuit Switchers	50,000
					System - Batteries	150,000
					System - Replace Substation Air Switches	200,000
					System-Replace/Install Capacitor Banks	,
					System-Install Autotransformer Diagnostic	50.000
			Outstation Contact Consum		Monitor	50,000
			Substation - Capital Spares		Power Xfmr-Transmission	3,100,000
			Out atation Distribution Otation	2001	Power Circuit Breaker	800,000
			Substation - Distribution Station	2572	Little Fell 115 Id/ Sub Debuild	
			Rebuilds Transmission - Asset Management		Little Fall 115 kV Sub - Rebuild Transmission Minor Rebuild	1 400 455
			Transmission - Asset Management			1,489,455 220,000
			Transmission - NERC Low Priority	2234	System 115kV Air Switch Upgrade	220,000
			Mitigation	2579	Low Priority Ratings Mitigation	500,000
			Transmission - NERC Medium Priority Mitigation	2581	Medium Priority Ratings Mitigation	3,294,000
			Transmission - Reconductors and		Burke-Thompson A&B 115kV Transmission	
			Rebuilds	2550	Rebuld Proj	-
					CDA-Pine Creek 115kV Transmission Line:	
				2556	Rebuild	-
				2557	9CE-Sunset 115kV Transmission Line: Rebuild	-
					Devils Gap-Lind 115kV Transmission Rebuild	
				2564	Proj	3,947,144
					Benewah-Moscow 230kV - Structure	
				2577	Replacement	7,815,802
			Tribal Permits and Settlements	2301	Tribal Permits and Settlements	1,429,784
			Westside Rebuild Phase One	2531	Westside 230 kV Substation - Rebuild	-
		ED Total				35,737,621
	ID	ED	S Region Voltage Control		South Region Transmission Voltage Control	-
			Substation - New Distribution Stations	2274	Tamarack 115Kv Sub-Construction	-
		ED Total				-
	10/0	F D	Spokane Valley Transmission	0.440		500.000
	WA	ED	Reinforcement		Irvin Sub - New Construction	500,000
				2552	Opportunity 115 kV Switching Station	2,399,999
			Substation - Distribution Station Rebuilds	2341	Ninth & Central Sub - Increase Capacity & Rebuild	274,999
			Rebuilds Transmission - Reconductors and		Rebuild	274,999
			Rebuilds	2310	Rebuild West Plains Transmission Reinforce	274,999
			Rebuilds Transmission - Reconductors and	2310	Rebuild	- -
		ED Total	Rebuilds Transmission - Reconductors and	2310	Rebuild West Plains Transmission Reinforce	- - 3,174,998
Elec Transmission 3	50-359 1		Rebuilds Transmission - Reconductors and	2310	Rebuild West Plains Transmission Reinforce	- -
Gas Distribution 374-		Total	Rebuilds Transmission - Reconductors and Rebuilds	2310 2457	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond	3,174,998 38,912,619
	50-359 T		Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement	2310 2457 3008	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement	3,174,998 38,912,619 16,817,429
Gas Distribution 374-		Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program	2310 2457 3008	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond	3,174,998 38,912,619
Gas Distribution 374-		Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe	2310 2457 3008 3004	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket	3,174,998 38,912,619 16,817,429 950,003
Gas Distribution 374-		Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program	2310 2457 3008 3004 3001	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System	3,174,998 38,912,619 16,817,429 950,003 1,000,000
Gas Distribution 374-		Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe	2310 2457 3008 3004 3001	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket	3,174,998 38,912,619 16,817,429 950,003
Gas Distribution 374-		Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program	2310 2457 3008 3004 3001 3054	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System	3,174,998 38,912,619 16,817,429 950,003 1,000,000
Gas Distribution 374-		Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program	2310 2457 3008 3004 3001 3054	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program	3,174,998 38,912,619 16,817,429 950,003 1,000,000
Gas Distribution 374-		Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas HP Pipelline Remediation Program	2310 2457 3008 3004 3001 3054 3057	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program	3,174,998 38,912,619 16,817,429 950,003 1,000,000
Gas Distribution 374-		Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas HP Pipeline Remediation Program Gas Isolated Steel Replacement	2310 2457 3008 3004 3001 3054 3057 3007	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891
Gas Distribution 374-		Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas HP Pipeline Remediation Program Gas Isolated Steel Replacement Program	2310 2457 3008 3004 3001 3054 3057 3007	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891
Gas Distribution 374-		Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas HP Pipeline Remediation Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program	2310 2457 3008 3004 3001 3054 3057 3007	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891
Gas Distribution 374-		Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas HP Pipelline Remediation Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas PMC Program	2310 2457 3008 3004 3001 3054 3057 3005 3006	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999
Gas Distribution 374-		Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program	2310 2457 3008 3004 3001 3054 3057 3007 3005 3006 3055	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999
Gas Distribution 374-		Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas HP Pipelline Remediation Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas Regulator Stn Replacement Program	2310 2457 3008 3004 3001 3054 3057 3007 3005 3006 3055	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue Regulator Reliable - Blanket	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999 900,000 1,030,000 800,001
Gas Distribution 374-		Γotal	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas HP Pipeline Remediation Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas Regulator Stn Replacement Program Gas Regulator Stn Replacement Program Gas Regulator Stn Replacement	2310 2457 3008 3004 3001 3054 3057 3007 3005 3006 3055	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999 900,000 1,030,000
Gas Distribution 374-		Γotal	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas Regulator Stn Replacement Program Gas Regulator Stn Replacement Program Gas Regulator Stn Replacement Program Gas Reinforcement Program Gas Replacement Street and Highway	2310 2457 3008 3004 3001 3054 3057 3006 3055 3002 3000	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue Regulator Reliable - Blanket Gas Reinforce-Minor Blanket	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999 900,000 1,030,000 800,001 1,000,000
Gas Distribution 374-		Γotal	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas PMC Program Gas Regulator Stn Replacement Program Gas Reinforcement Program Gas Reinforcement Program Gas Replacement Street and Highway Program	2310 2457 3008 3004 3001 3054 3057 3005 3006 3055 3002 3000 3003	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue Regulator Reliable - Blanket Gas Reinforce-Minor Blanket Gas Replace-St&Hwy	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999 900,000 1,030,000 800,001 1,000,000 4,500,000
Gas Distribution 374-		Γotal	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas Regulator Stn Replacement Program Gas Regulator Stn Replacement Program Gas Regulator Stn Replacement Program Gas Reinforcement Program Gas Replacement Street and Highway	2310 2457 3008 3004 3001 3054 3057 3005 3006 3055 3002 3000 3003 1001	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue Regulator Reliable - Blanket Gas Reinforce-Minor Blanket Gas Replace-St&Hwy Gas Revenue Blanket	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999 900,000 1,030,000 800,001 1,000,000 4,500,000 13,343,401
Gas Distribution 374-		Γotal	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas PMC Program Gas Regulator Stn Replacement Program Gas Reinforcement Program Gas Reinforcement Program Gas Replacement Street and Highway Program	2310 2457 3008 3004 3001 3054 3057 3005 3006 3055 3002 3000 3003 1001 1050	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue Regulator Reliable - Blanket Gas Reinforce-Minor Blanket Gas Replace-St&Hwy Gas Revenue Blanket Gas Meters Minor Blanket	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999 900,000 1,030,000 800,001 1,000,000 4,500,000 13,343,401 1,880,298
Gas Distribution 374-		Γotal	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas PMC Program Gas Regulator Stn Replacement Program Gas Reinforcement Program Gas Reinforcement Program Gas Replacement Street and Highway Program	2310 2457 3008 3004 3001 3054 3057 3005 3006 3055 3002 3000 3003 1001 1050 1051	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue Regulator Reliable - Blanket Gas Reinforce-Minor Blanket Gas Replace-St&Hwy Gas Revenue Blanket Gas Meters Minor Blanket Gas Regulators Minor Blanket	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999 900,000 1,030,000 4,500,000 13,343,401 1,880,298 329,584
Gas Distribution 374-		GD	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas PMC Program Gas Regulator Stn Replacement Program Gas Reinforcement Program Gas Reinforcement Program Gas Replacement Street and Highway Program	2310 2457 3008 3004 3001 3054 3057 3005 3006 3055 3002 3000 3003 1001 1050 1051	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue Regulator Reliable - Blanket Gas Reinforce-Minor Blanket Gas Replace-St&Hwy Gas Revenue Blanket Gas Meters Minor Blanket	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999 900,000 1,030,000 800,001 1,000,000 4,500,000 13,343,401 1,880,298 329,584 678,333
Gas Distribution 374-	AA	GD GD Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas HP Pipelline Remediation Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas PMC Program Gas Regulator Stn Replacement Program Gas Reinforcement Program Gas Reinforcement Program Gas Replacement Street and Highway Program New Revenue - Growth	2310 2457 3008 3004 3001 3054 3057 3005 3006 3055 3002 3000 3003 1001 1050 1051	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue Regulator Reliable - Blanket Gas Reinforce-Minor Blanket Gas Replace-St&Hwy Gas Revenue Blanket Gas Meters Minor Blanket Gas Regulators Minor Blanket Gas Regulators Minor Blanket Gas ERT Minor Blanket	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999 900,000 1,030,000 4,500,000 13,343,401 1,880,298 329,584 678,333 53,080,939
Gas Distribution 374-		GD GD Total GD	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas PMC Program Gas Regulator Stn Replacement Program Gas Reinforcement Program Gas Reinforcement Program Gas Replacement Street and Highway Program	2310 2457 3008 3004 3001 3054 3057 3005 3006 3055 3002 3000 3003 1001 1050 1051	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue Regulator Reliable - Blanket Gas Reinforce-Minor Blanket Gas Replace-St&Hwy Gas Revenue Blanket Gas Meters Minor Blanket Gas Regulators Minor Blanket	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999 900,000 1,030,000 4,500,000 13,343,401 1,880,298 329,584 678,333 53,080,939 400,000
Gas Distribution 374-	AA	GD GD Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas Regulator Stn Replacement Program Gas Regulator Stn Replacement Program Gas Replacement Program Gas Replacement Street and Highway Program New Revenue - Growth	2310 2457 3008 3004 3001 3054 3057 3005 3006 3055 3002 3000 3003 1001 1050 1051	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue Regulator Reliable - Blanket Gas Reinforce-Minor Blanket Gas Replace-St&Hwy Gas Revenue Blanket Gas Meters Minor Blanket Gas Regulators Minor Blanket Gas Regulators Minor Blanket Gas ERT Minor Blanket	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999 900,000 1,030,000 4,500,000 13,343,401 1,880,298 329,584 678,333 53,080,939
Gas Distribution 374-	AA	GD GD Total GD	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas HP Pipelline Remediation Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas PMC Program Gas Regulator Stn Replacement Program Gas Reinforcement Program Gas Reinforcement Program Gas Replacement Street and Highway Program New Revenue - Growth	2310 2457 3008 3004 3001 3054 3057 3005 3006 3055 3002 3000 1051 1050 1051 1053	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue Regulator Reliable - Blanket Gas Reinforce-Minor Blanket Gas Replace-St&Hwy Gas Revenue Blanket Gas Meters Minor Blanket Gas Regulators Minor Blanket Gas Regulators Minor Blanket Gas ERT Minor Blanket	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999 900,000 1,030,000 4,500,000 13,343,401 1,880,298 329,584 678,333 53,080,939 400,000
Gas Distribution 374-	AA	GD Total GD Total GD Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas HP Pipelline Remediation Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas Regulator Stn Replacement Program Gas Regulator Stn Replacement Program Gas Reinforcement Program Gas Replacement Street and Highway Program New Revenue - Growth Gas Telemetry Program Gas Rathdrum Prairie HP Main Reinforcement Project	2310 2457 3008 3004 3001 3054 3057 3005 3006 3055 3002 3000 1051 1053 3117	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue Regulator Reliable - Blanket Gas Reinforce-Minor Blanket Gas Replace-St&Hwy Gas Revenue Blanket Gas Regulators Minor Blanket Gas Regulators Minor Blanket Gas Regulators Minor Blanket Gas Telemetry Rathdrum Prairie HP Gas Reinforcement	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999 900,000 1,030,000 4,500,000 13,343,401 1,880,298 329,584 678,333 53,080,939 400,000 400,000
Gas Distribution 374-	AA	GD Total GD GD Total GD GD Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas HP Pipelline Remediation Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas Regulator Stn Replacement Program Gas Regulator Stn Replacement Program Gas Replacement Street and Highway Program New Revenue - Growth Gas Telemetry Program Gas Rathdrum Prairie HP Main	2310 2457 3008 3004 3001 3054 3057 3005 3006 3055 3002 3000 1051 1053 3117	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue Regulator Reliable - Blanket Gas Reinforce-Minor Blanket Gas Replace-St&Hwy Gas Revenue Blanket Gas Meters Minor Blanket Gas Regulators Minor Blanket Gas Regulators Minor Blanket Gas Telemetry	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999 900,000 1,030,000 4,500,000 13,343,401 1,880,298 329,584 678,333 53,080,939 400,000 400,000 - 999,998
Gas Distribution 374-	AN	GD Total GD GD Total GD GD Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas HP Pipelline Remediation Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas Regulator Stn Replacement Program Gas Regulator Stn Replacement Program Gas Replacement Street and Highway Program New Revenue - Growth Gas Telemetry Program Gas Rathdrum Prairie HP Main Reinforcement Project Gas Spokane St Bridge IP Main Project	2310 2457 3008 3004 3001 3054 3057 3005 3006 3055 3002 3000 1051 1053 3117 3301 3305	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue Regulator Reliable - Blanket Gas Reinforce-Minor Blanket Gas Replace-St&Hwy Gas Revenue Blanket Gas Meters Minor Blanket Gas Regulators Minor Blanket Gas ERT Minor Blanket Gas Telemetry Rathdrum Prairie HP Gas Reinforcement Spokane St Bridge Gas Main	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999 900,000 1,030,000 4,500,000 13,343,401 1,880,298 329,584 678,333 53,080,939 400,000 400,000 - 999,998 999,998
Gas Distribution 374-	AA	GD Total GD GD Total GD GD Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas PMC Program Gas Regulator Stn Replacement Program Gas Replacement Program Gas Replacement Street and Highway Program New Revenue - Growth Gas Telemetry Program Gas Rathdrum Prairie HP Main Reinforcement Project Gas Spokane St Bridge IP Main Project Gas Bonanza Gate Stn Project	2310 2457 3008 3004 3001 3054 3057 3005 3006 3055 3002 3000 1051 1053 3117 3301 3305	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue Regulator Reliable - Blanket Gas Reinforce-Minor Blanket Gas Replace-St&Hwy Gas Revenue Blanket Gas Regulators Minor Blanket Gas Regulators Minor Blanket Gas Regulators Minor Blanket Gas Telemetry Rathdrum Prairie HP Gas Reinforcement	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999 900,000 1,030,000 4,500,000 13,343,401 1,880,298 329,584 678,333 53,080,939 400,000 400,000 - 999,998
Gas Distribution 374-	AN	GD Total GD GD Total GD GD Total	Rebuilds Transmission - Reconductors and Rebuilds Aldyl A Replacement Gas Cathodic Protection Program Gas Deteriorated Steel Pipe Replacement Program Gas ERT Replacement Program Gas HP Pipelline Remediation Program Gas Isolated Steel Replacement Program Gas Non-Revenue Program Gas Overbuilt Pipe Replacement Program Gas PMC Program Gas Regulator Stn Replacement Program Gas Regulator Stn Replacement Program Gas Replacement Street and Highway Program New Revenue - Growth Gas Telemetry Program Gas Rathdrum Prairie HP Main Reinforcement Project Gas Spokane St Bridge IP Main Project	2310 2457 3008 3004 3001 3054 3057 3005 3006 3055 3002 3000 1051 1053 3117 3301 3305 3307	Rebuild West Plains Transmission Reinforce Benton-Othello 115 Recond Aldyl -A Pipe Replacement Cathodic Protection-Minor Blanket Replace Deteriorating Gas System Gas ERT Replacement Program Gas HP Pipeline Remediation Program Isolated Steel Replacement Gas Distribution Non-Revenue Blanket Overbuilt Pipe Replacement Blanket Gas Meter Replacement Non Revenue Regulator Reliable - Blanket Gas Reinforce-Minor Blanket Gas Replace-St&Hwy Gas Revenue Blanket Gas Meters Minor Blanket Gas Regulators Minor Blanket Gas ERT Minor Blanket Gas Telemetry Rathdrum Prairie HP Gas Reinforcement Spokane St Bridge Gas Main	3,174,998 38,912,619 16,817,429 950,003 1,000,000 401,891 - 3,450,000 5,999,999 900,000 1,030,000 4,500,000 13,343,401 1,880,298 329,584 678,333 53,080,939 400,000 400,000 - 999,998 999,998

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 39 of 303

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		GD Total	Gas Elgin 6" HP Main Reinforcement	3209	Elgin Line HP Reinforcement	- F 600 303
		GD Total	Gas Goldendale HP Main			5,600,392
	WA	GD	Reinforcement Project	3306	Goldendale HP	3,504,911
	**/	OD	Gas N Spokane Hwy 2 HP Main	5500	Soldendale III	0,004,011
			Reinforcement Project	3237	US2 N Spo Gas HP Reinforce(Kaiser Prop)	-
		GD Total		020.	у се стори столи постинения (постинения)	3,504,911
Gas Distribution 374	-387 Tot					63,586,240
Gas Underground						
Storage 350-357	AA	GD	Jackson Prairie Storage	7201	Jackson Prairie Storage	1,356,300
		GD Total	ĺ		j j	1,356,300
Gas Underground St	orage 3	50-357 Tota	hl .			1,356,300
General 389-391 / 393	3-					
395 / 397-398	AA	CD	Capital Tools & Stores Equipment	7002	Office Mach & Equiq	-
					Stores Equip	648,325
					Tools Lab & Shop Equipment	1,700,000
			COF LngTrm Restruct Ph2		COF Long Term Restructuring Plan Phase 2	2,000,000
			COF Long-Term Restructuring Plan		Long term Campus Re-Structuring Plan	8,500,000
			Enterprise Security		Security Systems	3,800,000
			HVAC Renovation Project		COF HVAC Improvmt	9,250,000
			Microwave Refresh		Microwave Replacement with Fiber	2,362,680
			Retracted		Computer Access for All Employees	-
			SCADA - SOO & BUCC		SCADA Upgrade	1,019,999
			Strategic Initiatives	7060	Strategic Initiatives	2,062,484
			Ctt	7004	O4	0.400.000
			Structures and Improvements/Furniture		Structures & Improv	3,400,000
		OD T-4-1		7003	Office Furniture	1,200,000
	AN	CD Total	Next Generation Radio Refresh	E400	Next Constation Radio System	35,943,488
	AIN	CD Total	Next Generation Radio Refresh	5106	Next Generation Radio System	4,200,000 4,200,000
		ED Total	Environmental Compliance	6002	Environmental Compliance Blanket	249,996
		ED	Litvironinientai Compilance	0002	Livilorimental Compilance Blanket	249,990
			High Voltage Protection for Substations	51/2	High Voltage Protection Upgrade	719,028
		ED Total	I light voltage i fotection for oubstations	3142	riigii voitage i rotection opgrade	969,024
	ID	CD	Sandpoint Renovation	7137	Sandpoint Service Center	500,000
	IID	CD Total	Sanapoint Renovation	7137	Sandpoint Service Seriter	500,000
		OD TOTAL	Dollar Rd Service Center Addition and			300,000
	WA	CD	Remodel	7132	Dollar Rd Service Center Addition and Remodel	_
	**/	OD	New Deer Park Service Center		Deer Park Service Center	2,750,000
			Wa State Park & Rec Utility Use	7 100	Door Faire Corvice Corner	2,700,000
			Agreement	6109	Wa St Park Utility Use Agreement	_
		CD Total		0.00	Tra et rain etting eee rigidement	2,750,000
General 389-391 / 39	3-395 / 3	97-398 Tot	al			44,362,512
Hydro 331-336	AN	ED	Base Load Hydro	4147	Base Hydro	1,149,000
			,			, -,
			Cabinet Gorge Automation Replacement	4163	CG HED Automation Replacement	_
			Cabinet Gorge Unit 1 Refurbishment		CG HED U#1 Refurbishment	11,400,000
			Clark Fork Settlement Agreement		Clark Fork License/Compliance	100,000
				6103	Clark Fork Implement PME Agreement	13,888,010
			Generation Battery Replacement		System Battery Replacement	250,000
			Hydro Safety Minor Blanket	6001	Hydro Generation Minor Blanket	70,000
			Little Falls Plant Upgrade		Little Falls Powerhouse Redevelopment	14,300,000
			Long Lake Plant Upgrades	4164	Long Lake Plant Upgrades	-
			Long Lake Replace Field Windings		Long Lake HED Replace Field Windings	-
			Nine Mile Rehab		Nine Mile Redevelopment	51,323,000
			Noxon Spare Coils		Noxon Rapids HED Spare Coils	1,350,000
			Noxon Station Service	4171	Noxon Station Service	-
			Post Falls South Channel Replacement		PF S Channel Gate Replacement	11,008,000
			Regulating Hydro	4148	Regulating Hydro	4,136,001
			Spokane River License Implementation	6107	Spokane River Implementation (PM&E)	461,700
		ED Total				109,435,711
Hydro 331-336 Total						109,435,711
0.11						
Other Elec Production			D		D 1 171 .	
/ Turbines 340-346	AN	ED	Base Load Thermal Plant		Base Load Thermal	2,200,000
			Coyote Springs LTSA		CS2 LTSA Capital Add	-
			Darling Court "		CS2 LTSA Cash Accrual	-
		ED T : :	Peaking Generation	4150	Peaking Generation	500,000
041		ED Total	46 T-4-1			2,700,000
		ines 340-3		F.4.1-	AFM COTS Migration	2,700,000
Other Elec Production		OD		5147	A F DA C C L L S DAIGRATION	
Software 303	AA	CD	AFM COTS Migration			
		CD	Apprentice Training	7200	Appren Craft Train	60,000
		CD	<u>~</u>	7200		60,000 4,124,999
		CD	Apprentice Training AvistaUtilities.com Redesign	7200 5143	Appren Craft Train AU.com & AVANet Redevelopment	4,124,999
		CD	Apprentice Training	7200 5143 5138	Appren Craft Train	

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			Financial Forecast Model	5149	Financial Forecast Model	-
			Mobility in the Field	5144	Mobility in the Field	450,000
			Technology Expansion to Enable			
			Business Process	5006	Information Technology Expansion Program	6,069,092
			Technology Refresh to Sustain Business			
			Process	5005	Information Technology Refresh Program	18,594,836
		CD Total				124,857,248
	ID	CD	AMR Web Presentment	5150	AMR Web Presentment	-
		CD Total				-
Software 303 Total						124,857,248
Thermal 311-316	AN	ED	2019 Peaking Resource	4170	2019 Peaking Resource	-
			Colstrip Thermal Capital	4116	Colstrip Capital Additions	2,497,285
			KFGS Ash Collector	4168	KFGS Ash Collector	-
		ED Total				2,497,285
Thermal 311-316 Tota	ıl					2,497,285
Transportation and						
Tools 392 / 396	AA	CD	CNG Fleet Conversion	7127	CNG Fleet Conversion	-
			Fleet Budget	7000	Transportation Equip	7,700,000
		CD Total				7,700,000
Transportation and T	ools 39	2 / 396 Tota	ıl —			7,700,000
Grand Total						479,996,088
						CWIP Summary

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ATTACHMENT 3

BUSINESS CASES



Avista 2015 Capital Additions Detail (System) (Transfers toPlant)

Generation / Production: GP-1 Hydro - Base Load Hydro GP-2 Hydro - Clark Fork Settlement Agreement GP-3 Hydro - Generation Battery Replacement GP-4 Hydro - Hydro Safety Minor Blanket GP-5 Hydro - Little Falls Plant Upgrade GP-6 Hydro - Regulating Hydro GP-8 Hydro - Regulating Hydro GP-9 Other - Base Load Thermal Plant GP-10 Other - Peaking Generation GP-12 Thermal - Colstrip Thermal Capital GP-14 Hydro - Noxon Spare Coils GP-15 Hydro - Post Falls South Channel Replacement GP-16 Hydro - Post Falls South Channel Replacement GP-17 Hydro - Cabinet Gorge Unit 1 Refurbishment G-1 Capital Tools & Stores Equipment G-2 COF Long-Term Restructuring Plan G-3 Stores and Improvements Furniture G-4 Structures and Improvements Furniture G-5 Battery Storage G-6 Apprentic Training G-7 HyAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 Natural Gas Distribution: NGD-1 Aldyl A Replacement NGD-2 Cathodic Protection NGD-3 Gas Non-Revenue Program NGD-4 Gas Reinforcement NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-9 Regulator Station Reliability Replacement NGD-1 Gas Part Capital Replacement NGD-1 Gas Hydro Replacement NGD-1 Gas Non-Revenue Program NGD-1 Gas Non-Revenue Program NGD-1 Gas Replacement Total Replacement NGD-1 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-1 Gas Non-Revenue Program NGD-1 Solated Steel Replacement NGD-1 Fine Replacement NGD-1 Fine Replacement NGD-1 Gas Non-Revenue Program NGD-1 Gas Non-Revenue Program Solated Steel Replacement NGD-1 Fine Replacement Program Solated Steel Replacement NGD-1 Fine Replacement Program Solated Steel Replacement NGD-1 Fine Replacement Program Solated Steel Replacement Solated Steel Replacement Solated Steel Re	\$ (000's)
GP-1 Hydro - Base Load Hydro GP-2 Hydro - Clark Fork Settlement Agreement GP-3 Hydro - Generation Battery Replacement GP-4 Hydro - Hydro Safety Minor Blanket GP-5 Hydro - Little Falls Plant Ugrade GP-6 Hydro - Nine Mile Rehab GP-7 Hydro - Regulating Hydro GP-8 Hydro - Spokane River License Implementation GP-9 Other - Base Load Theman Plant GP-10 Other - Peaking Generation GP-12 Thermal - Colstrip Thermal Capital GP-14 Hydro - Noxon Spare Coils GP-15 Hydro - Post Falls South Channel Replacement GP-16 Hydro - Cabinet Gorge Unit 1 Refurbishment GP-16 Hydro - Cabinet Gorge Unit 1 Refurbishment GP-17 Capital Tools & Stores Equipment GP-18 GP-19 COFT - Capital Tools & Stores Equipment GP-19 COFT - Capital Tools & Stores Equipment GP-10 Copart - Capital Copart	\$ (000 S)
GP-2 Hydro - Clark Fork Settlement Agreement GP-3 Hydro - Hydro Generation Battery Replacement GP-4 Hydro - Hydro Safety Minor Blanket GP-5 Hydro - Nine Mile Rehab GP-7 Hydro - Regulating Hydro GP-8 Hydro - Spokane River License Implementation GP-8 Hydro - Spokane River License Implementation GP-9 Other - Base Load Thermal Plant GP-10 Other - Peaking Generation GP-12 Thermal - Colstrip Thermal Capital GP-14 Hydro - Noxon Spare Coils GP-15 Hydro - Noxon Spare Coils GP-16 Hydro - Cabinet Gorge Unit 1 Refurbishment GP-16 General: G-1 Capital Tools & Stores Equipment G-2 COF Long-Term Restructuring Plan G-4 Sunctures and Improvements/Furniture G-5 Battery Storage G-6 Apprentice Training G-7 HYAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 Natural Gas Distribution: NGD-1 Aldyl A Replacement NGD-2 Cathodic Protection NGD-3 Gas Non-Revenue Program GG-4 Gas Reinforcement NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-9 Regulator Station Reliability Replacement NGD-1 Sol-10 Replace Deteriorating Steel Gas Systems NGD-12 Gas PMC Program - Capital Replacement NGD-13 Goldendale HP RGD-13 Gas Non-Revenue Program GG-14 Gas Pelacement Capital Replacement NGD-15 Replace Deteriorating Steel Gas Systems NGD-16 NGD-17 Replace Deteriorating Steel Gas Systems NGD-17 Replace Deteriorating Steel Gas Systems NGD-10 RGD-13 Goldendale HP RGD-15 RETS Replacement Program Gas Underground Storage: Jackson Prairie Storage Transportation:	\$ 1,149
GP-3 GP-4 Hydro - Hydro Safety Minor Blanket GP-5 GP-6 Hydro - Nine Mile Rehab GP-6 GP-7 Hydro - Regulating Hydro GP-8 Hydro - Regulating Hydro GP-8 Hydro - Spokane River License Implementation GP-9 GP-8 Hydro - Spokane River License Implementation GP-10 GP-10 Other - Peaking Generation GP-11 GP-10 GP-12 Hydro - Noxon Spare Coils GP-15 Hydro - Noxon Spare Coils GP-15 Hydro - Post Falls South Channel Replacement GP-16 Hydro - Cabinet Gorge Unit 1 Refurbishment GP-16 G-1 G-1 G-1 G-2 COP Long-Term Restructuring Plan G-3 Structures and Improvements/Furniture G-4 Structures and Improvements/Furniture G-5 Battery Storage G-6 Apprentice Training G-7 HyAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 Natural Gas Distribution: NGD-1 Aldyl A Replacement Cathodic Protection NGD-3 Gas Non-Revenue Program NGD-4 Gas Reinforcement NGD-5 Gas Replacement Structure Hyacy NGD-7 Isolated Stee Replacement NGD-6 NGD-7 Isolated Stee Replacement NGD-9 Regulator Station Reliability Replacement NGD-9 Regulator Station Reliability Replacement NGD-1 Replace Deteriorating Steel Gas Systems NGD-13 Goldendale HP ERTS Replacement Program Gas Underground Storage: Jackson Prairie Storage Transportation:	13,988
GP-4 Hydro - Hydro Safety Minor Blanket GP-5 Hydro - Nine Mile Rehab GP-6 Hydro - Nine Mile Rehab GP-7 Hydro - Regulating Hydro GP-8 Hydro - Spokane River License Implementation GP-9 Other - Base Load Thermal Plant GP-9 Other - Base Load Thermal Plant GP-10 Other - Peaking Generation GP-12 Thermal - Colstrip Thermal Capital GP-14 Hydro - Noxon Spare Coils GP-15 Hydro - Voxon Spare Coils GP-16 Hydro - Cabinet Gorge Unit 1 Refurbishment GP-16 Hydro - Cabinet Gorge Unit 1 Refurbishment G-1 Capital Tools & Stores Equipment G-2 COF Long-Term Restructuring Plan G-3 Battery Storage G-4 Apprentice Training G-6 Apprentice Training G-7 HVAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 NGD-1 Aldyl A Replacement NGD-2 Cathodic Protection NGD-3 Gas Non-Revenue Program NGD-4 Gas Reinforcement NGD-5 Gas Replacement NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-7 Isolated Steel Replacement NGD-9 Regulator Station Reliability Replacement NGD-1 Gas Post Steel Steel Steel Steel Systems NGD-12 Gas PMC Program - Capital Replacement NGD-13 Goldendale HP NGD-15 ERTs Replacement Program GG-16 Gas Underground Storage: GUS-1 Jackson Prairie Storage Transportation:	250
GP-5 GP-6 GP-6 GP-7 Hydro - Nine Mile Rehab GP-7 Hydro - Regulating Hydro GP-8 GP-9 GP-9 Other - Base Load Thermal Plant GP-10 Other - Peaking Generation GP-11 GP-10 GP-11 GP-13 GP-14 Hydro - Noxon Spare Coils GP-15 Hydro - Post Falls South Channel Replacement GP-16 GP-16 Hydro - Noxon Spare Coils GP-15 Hydro - Cabinet Gorge Unit 1 Refurbishment GP-16 GP-16 GP-16 GREAT GP-16 GREAT G-1 Gaptial Tools & Stores Equipment G-2 COF Long-Term Restructuring Plan Structures and Improvements Furniture G-3 Battery Storage G-4 G-5 Battery Storage G-6 Appentice Training G-7 HVAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 NGD-1 Aldyl A Replacement Cathodic Protection Aldyl A Replacement NGD-2 Cathodic Protection Gas Reinforcement Gas Reinforcement GB-4 Gas Reinforcement NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-9 Regulator Station Reliability Replacement NGD-1 Rolp-1 Rolp-1 Rolp-1 Rolp-1 Rolp-1 Rolp-1 Rolp-1 Rolp-1 Rolp-1 Replace Deteriorating Steel Gas Systems NGD-1 Gas Underground Storage Gus-1 Farssportation:	70
GP-6 GP-7 Hydro - Nine Mile Rehab GP-7 GP-8 Hydro - Spokane River License Implementation GP-9 Other - Base Load Thermal Plant GP-10 Other - Peaking Generation GP-12 Thermal - Colstrip Thermal Capital GP-14 Hydro - Noxon Spare Coils GP-15 Hydro - Post Falls South Channel Replacement GP-16 Hydro - Cabinet Gorge Unit I Returbishment G-1 G-1 G-1 G-1 G-1 G-1 G-1 G-1 G-1 G-	14,300
GP-7 GP-8 GP-8 GP-9 GP-9 Other - Base Load Thermal Plant GP-10 Other - Peaking Generation GP-10 GP-11 GP-14 GP-14 GP-14 GP-15 GP-15 GP-15 GP-15 GP-16 GP-17 GP-16 GP-17 GP-18 GP-18 GP-18 GP-18 GP-18 GP-19 GP-19 GP-19 GP-19 GP-19 GP-19 GP-19 GP-19 GP-19 GP-10	51,323
GP-8 GP-9 Other - Base Load Thermal Plant GP-10 Other - Peaking Generation GP-12 Thermal - Colstrip Thermal Capital GP-14 Hydro - Noxon Spare Coils GP-15 GP-16 Hydro - Post Falls South Channel Replacement GP-16 GP-16 GP-16 General: G-1 Capital Tools & Stores Equipment G-2 COF Long-Term Restructuring Plan G-4 Structures and Improvements/Furniture G-5 Battery Storage G-6 Apprentice Training G-7 HVAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 Natural Gas Distribution: NGD-1 NGD-1 NGD-3 Gas Replacement NGD-4 Gas Reinforcement NGD-5 Gas Replacement NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 NGD-1 Replace Steel Replacement NGD-9 Regulator Station Reliability Replacement NGD-9 Regulator Station Reliability Replacement NGD-1 RGD-1 RGD-1 Solated Steel Replacement NGD-9 Regulator Station Reliability Replacement NGD-1 RGD-1 RGD-1 Solated Steel Replacement NGD-9 Regulator Station Reliability Replacement NGD-1 RGD-1 RGD-2 RGD-1 RGD-3 RGD-1 RGD-3 RGD-1 RGD-3 RGD-1 RGD-3 RGD-1 RGD-4 RGD-4 RGD-4 RGD-4 RGD-5 RGD-1 RGD-6 RGD-7	4,136
GP-9 Other - Base Load Thermal Plant GP-10 Other - Peaking Generation GP-12 Thermal - Colstrip Thermal Capital GP-14 Hydro - Noxon Spare Coils GP-15 Hydro - Post Falls South Channel Replacement GP-16 Hydro - Cabinet Gorge Unit 1 Refurbishment GP-16 Capital Tools & Stores Equipment GP-17 Capital Tools & Stores Equipment GP-18 Capital Tools & Stores Equipment GP-19 Capital Tools & Stores Equipment GP-10 Store Training GP-10 Hydro Renovation Project GP-10 COF Long-term Restructure Ph2 NGD-1 Capital Tools & Stores Equipment NGD-1 Capital Tools & Stores Equipment NGD-2 Capital Tools & Stores Equipment NGD-3 Gas Non-Revenue Program NGD-4 Gas Telemetry NGD-5 Gas Replacement NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 Overbuilt Pipe Replacement NGD-9 Replaced Steel Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-12 Gas PMC Program - Capital Replacements NGD-15 ERTs Replacement Program Gas Underground Storage: Transportation:	462
GP-10 GP-12 GP-12 GP-13 GP-14 Hydro - Noxon Spare Coils GP-15 GP-15 Hydro - Post Falls South Channel Replacement GP-16 Hydro - Cabinet Gorge Unit 1 Refurbishment GP-16 GP-16 GR-17 GP-16 GP-16 Hydro - Cabinet Gorge Unit 1 Refurbishment GP-16 GP-17 GP-17 GP-18 GP-	2,200
GP-12 Thermal - Colstrip Thermal Capital GP-14 Hydro - Noxon Spare Coils GP-15 Hydro - Post Falls South Channel Replacement GP-16 Hydro - Cabinet Gorge Unit 1 Refurbishment G-1 Capital Tools & Stores Equipment G-2 COF Long-Term Restructuring Plan G-4 Structures and Improvements/Furniture G-5 Battery Storage G-6 Apprentice Training G-7 HYAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 NGD-1 Aldyl A Replacement COF Long-term Restructure Ph2 NGD-2 Cathodic Protection NGD-3 Gas Non-Revenue Program NGD-4 Gas Reinforcement NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 Overbuilt Pipe Replacement NGD-8 Overbuilt Pipe Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-10 Replace Deteriorating Steel Gas Systems NGD-10 Replace Deteriorating Steel Gas Systems NGD-15 ERTs Replacement Program NGD-16 Gas PMC Program - Capital Replacements NGD-17 Goldendale HP NGD-18 ERTs Replacement Program Gas Underground Storage: GUS-1 Jackson Prairie Storage Transportation:	500
GP-14 GP-15 GP-16 Hydro - Noxon Spare Coils GP-16 Hydro - Post Falls South Channel Replacement GP-16 Hydro - Cabinet Gorge Unit 1 Refurbishment G-1 G-2 Gorganial Tools & Stores Equipment G-2 COF Long-Term Restructuring Plan G-4 Structures and Improvements/Furniture G-5 Battery Storage G-6 Apprentice Training G-7 H VAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 NGD-1 NGD-1 Aldyl A Replacement NGD-2 Cathodic Protection NGD-3 Gas Non-Revenue Program NGD-4 Gas Reinforcement NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 NGD-9 Regulator Station Reliability Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-10 Replace Deteriorating Steel Gas Systems NGD-13 NGD-15 ERTs Replacement Program Gas Underground Storage: GuS-1 Transportation:	2,497
GP-15 GP-16 Hydro - Post Falls South Channel Replacement GP-16 Hydro - Cabinet Gorge Unit 1 Refurbishment G-1 G-2 COF Long-Term Restructuring Plan G-2 G-3 G-4 Structures and Improvements/Purniture G-5 G-5 Battery Storage G-6 Apprentice Training G-7 HVAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 NGD-1 Aldyl A Replacement NGD-2 Cathodic Protection NGD-3 Gas Non-Revenue Program NGD-4 Gas Reinforcement NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 Overbuilt Pipe Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-10 Replace Deteriorating Steel Gas Systems NGD-13 Goldendale HP NGD-15 ERTs Replacement Program Gas Underground Storage: GUS-1 Jackson Prairie Storage Transportation:	1,350
GP-16 General: G-1 Capital Tools & Stores Equipment G-2 COF Long-Term Restructuring Plan G-4 Structures and Improvements/Furniture G-5 Battery Storage G-6 Apprentice Training G-7 HVAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 Natural Gas Distribution: Aldyl A Replacement NGD-1 Aldyl A Replacement NGD-2 Cathodic Protection NGD-3 Gas Non-Revenue Program NGD-4 Gas Reinforcement NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-9 Regulator Station Reliability Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-13 Goldendale HP NGD-15 ERTs Replacement Program Gas Underground Storage: GuS-1 Transportation:	
General: G-1 Capital Tools & Stores Equipment G-2 COF Long-Term Restructuring Plan G-4 Structures and Improvements/Furniture G-5 Battery Storage G-6 Apprentice Training G-7 HVAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 NGD-1 Aldyl A Replacement NGD-2 Cathodic Protection NGD-3 Gas Non-Revenue Program NGD-4 Gas Replacement Street & Highway NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 Overbuilt Pipe Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-10 Replace Deteriorating Steel Gas Systems NGD-13 Goldendale HP NGD-15 ERTs Replacement Program Gas Underground Storage: GuS-1 Jackson Prairie Storage Transportation:	11,008
G-1 Capital Tools & Stores Equipment G-2 COF Long-Term Restructuring Plan G-4 Structures and Improvements/Furniture G-5 Battery Storage G-6 Apprentice Training G-7 HVAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 NGD-1 Aldyl A Replacement NGD-2 Cathodic Protection NGD-3 Gas Non-Revenue Program NGD-4 Gas Reinforcement NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 Overbuilt Pipe Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-11 Gas Underground Storage: Gas Underground Storage: Gas Underground Storage: Gas Underground Storage: GuS-1 Jackson Prairie Storage Transportation:	11,400
G-1 Capital Tools & Stores Equipment G-2 COF Long-Term Restructuring Plan G-4 Structures and Improvements/Furniture G-5 Battery Storage G-6 Apprentice Training G-7 HVAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 NGD-1 Aldyl A Replacement NGD-2 Cathodic Protection NGD-3 Gas Non-Revenue Program NGD-4 Gas Reinforcement NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 Overbuilt Pipe Replacement NGD-9 Regulator Station Reliability Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-12 Gas PMC Program - Capital Replacements NGD-13 Goldendale HP NGD-15 ERT's Replacement Program Gas Underground Storage: Jackson Prairie Storage Transportation:	\$ 114,633
G-2 COF Long-Term Restructuring Plan G-4 Structures and Improvements/Furniture G-5 Battery Storage G-6 Apprentice Training G-7 HVAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 Natural Gas Distribution:	
G-2 COF Long-Term Restructuring Plan G-4 Structures and Improvements/Furniture G-5 Battery Storage G-6 Apprentice Training G-7 HVAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 Natural Gas Distribution:	\$ 2,348
G-4 Structures and Improvements/Furniture G-5 Battery Storage G-6 Apprentice Training G-7 HVAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 Natural Gas Distribution: NGD-1 Aldyl A Replacement NGD-2 Cathodic Protection NGD-3 Gas Non-Revenue Program NGD-4 Gas Reinforcement NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 Overbuilt Pipe Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-112 Gas PMC Program - Capital Replacements NGD-13 Goldendale HP NGD-15 ERTs Replacement Program Gas Underground Storage: GuS-1 Jackson Prairie Storage Transportation:	8,500
G-5 Battery Storage G-6 Apprentice Training G-7 HVAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 Natural Gas Distribution: Aldyl A Replacement	4,600
G-6 Apprentice Training G-7 HVAC Renovation Project G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 Natural Gas Distribution:	2,063
G-7 G-9 New Deer Park Service Center G-10 COF Long-term Restructure Ph2 Natural Gas Distribution:	60
G-9 G-10 COF Long-term Restructure Ph2 Natural Gas Distribution: NGD-1 Aldyl A Replacement NGD-2 Cathodic Protection NGD-3 Gas Non-Revenue Program NGD-4 Gas Reinforcement NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 Overbuilt Pipe Replacement NGD-8 NGD-10 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-12 Gas PMC Program - Capital Replacements NGD-13 Goldendale HP NGD-15 ERTs Replacement Program Gas Underground Storage: GuS-1 Transportation:	9,250
Natural Gas Distribution: NGD-1 Aldyl A Replacement NGD-2 Cathodic Protection NGD-3 Gas Non-Revenue Program NGD-4 Gas Reinforcement NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-9 Regulator Station Reliability Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-13 Goldendale HP NGD-15 ERT's Replacement Program Gas Underground Storage: GuS-1 Jackson Prairie Storage Transportation:	2,750
Natural Gas Distribution: NGD-1 Aldyl A Replacement NGD-2 Cathodic Protection NGD-3 Gas Non-Revenue Program NGD-4 Gas Reinforcement NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 Overbuilt Pipe Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-12 Gas PMC Program - Capital Replacements NGD-13 Goldendale HP NGD-15 ERT's Replacement Program Gas Underground Storage: Jackson Prairie Storage Transportation:	2,000
NGD-1 Aldyl A Replacement NGD-2 Cathodic Protection NGD-3 Gas Non-Revenue Program NGD-4 Gas Reinforcement NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 Overbuilt Pipe Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-12 Gas PMC Program - Capital Replacements NGD-13 Goldendale HP NGD-15 ERT's Replacement Program Gas Underground Storage: Jackson Prairie Storage Transportation:	\$ 31,571
NGD-1 Aldyl A Replacement NGD-2 Cathodic Protection NGD-3 Gas Non-Revenue Program NGD-4 Gas Reinforcement NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 Overbuilt Pipe Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-12 Gas PMC Program - Capital Replacements NGD-13 Goldendale HP NGD-15 ERT's Replacement Program Gas Underground Storage: Jackson Prairie Storage Transportation:	
NGD-2 Cathodic Protection NGD-3 Gas Non-Revenue Program NGD-4 Gas Reinforcement NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 Overbuilt Pipe Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-12 Gas PMC Program - Capital Replacements NGD-13 Goldendale HP NGD-15 ERTs Replacement Program Gas Underground Storage: Jackson Prairie Storage Transportation:	
NGD-3 NGD-4 Gas Reinforcement NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 Overbuilt Pipe Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-12 Gas PMC Program - Capital Replacements NGD-13 NGD-13 Goldendale HP NGD-15 ERT's Replacement Program Gas Underground Storage: GUS-1 Transportation:	\$ 16,817
NGD-4 NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 Overbuilt Pipe Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-12 Gas PMC Program - Capital Replacements NGD-13 Goldendale HP NGD-15 ERT's Replacement Program Gas Underground Storage: GUS-1 Jackson Prairie Storage Transportation:	950
NGD-5 Gas Replacement Street & Highway NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 Overbuilt Pipe Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-12 Gas PMC Program - Capital Replacements NGD-13 Goldendale HP NGD-15 ERTs Replacement Program Gas Underground Storage: Jackson Prairie Storage Transportation:	7,664
NGD-6 Gas Telemetry NGD-7 Isolated Steel Replacement NGD-8 Overbuilt Pipe Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-12 Gas PMC Program - Capital Replacements NGD-13 Goldendale HP NGD-15 ERT's Replacement Program Gas Underground Storage: Jackson Prairie Storage Transportation:	1,000
NGD-7 Isolated Steel Replacement NGD-8 Overbuilt Pipe Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-12 Gas PMC Program - Capital Replacements NGD-13 Goldendale HP NGD-15 ERTs Replacement Program Gas Underground Storage: Jackson Prairie Storage Transportation:	4,500
NGD-8 Overbuilt Pipe Replacement NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-12 Gas PMC Program - Capital Replacements NGD-13 Goldendale HP NGD-15 ERT's Replacement Program Gas Underground Storage: Jackson Prairie Storage Transportation:	400
NGD-9 Regulator Station Reliability Replacement NGD-10 Replace Deteriorating Steel Gas Systems NGD-12 Gas PMC Program - Capital Replacements NGD-13 Goldendale HP NGD-15 ERTs Replacement Program Gas Underground Storage: Jackson Prairie Storage Transportation:	3,450
NGD-10 Replace Deteriorating Steel Gas Systems NGD-12 Gas PMC Program - Capital Replacements NGD-13 Goldendale HP NGD-15 ERTs Replacement Program Gas Underground Storage: Jackson Prairie Storage Transportation:	900
NGD-12 Gas PMC Program - Capital Replacements NGD-13 Goldendale HP NGD-15 ERTs Replacement Program Gas Underground Storage: Jackson Prairie Storage Transportation:	800
NGD-13 Goldendale HP NGD-15 ERTs Replacement Program Gas Underground Storage: GUS-1 Jackson Prairie Storage Transportation:	1,000
NGD-15 ERTs Replacement Program Gas Underground Storage: GUS-1 Jackson Prairie Storage Transportation:	1,030
Gas Underground Storage: GUS-1 Jackson Prairie Storage Transportation:	3,505
Gas Underground Storage: GUS-1 Jackson Prairie Storage Transportation:	402
GUS-1 Jackson Prairie Storage Transportation:	\$ 42,418
Transportation:	
■	\$ 1,356
■	\$ 1,356
■	
T-1 Fleet Budget	
<u> </u>	\$ 7,700
	\$ 7,700
	

Exhibit No. ___(KKS-4)

Avista 2015 Capital Additions Detail (System) (Transfers toPlant)

Exhibit No(KKS- 5) Attachment No.				\$ (000's)
	Enterprise Technology:			<u>φ (σσσ 2)</u>
ET-1	AvistaUtilities.com and AvaNet Redesign			\$ 4,125
ET-2	Enterprise Business Continuity Plan			450
TT-3	Mobility in the Field			450
T-4	Technology Refresh to Sustain Business Process			18,595
T-5	Customer Information and Work & Asset Management System			95,108
T-6 T-7	Enterprise Security Tachnology Evacuation to Enable Proinces Process			3,800
T-9	Technology Expansion to Enable Business Process High Voltage Protection Upgrade			6,069 719
T-10	Next Generation Radio Refresh			4,200
T-11	Microwave Refresh			2,363
21-11	Microwave Kenesii			\$ 135,879
				Total Transmission
	Electric Transmission / Distribution:	Transmission D	istribution	& Distribution
TD-1	Colstrip Transmission/PNACI	\$ 491 \$	-	\$ 491
TD-2	Distribution Grid Modernization		10,925	10,925
TD-3	Distribution Line Protection		125	125
TD-4	Distribution Minor Rebuild		8,300	8,300
TD-5	Distribution Transformer Change-Out Program		4,700	4,700
TD-6	Distribution Wood Pole Management		11,000	11,000
TD-7	Meter Minor Blanket		5,806	5,806
TD-8	Electric Replacement/Relocation		2,400	2,400
TD-9	Environmental Compliance	350	150	500
TD-10	Primary URD Cable Replacement		1,000	1,000
TD-11	Reconductors and Rebuilds	11,763	2,500	14,263
TD-12	Segment Reconductor and FDR Tie Program		2,920	2,920
TD-13	Spokane Electric Network		2,300	2,300
TD-14	Storms	1,000	2,000	3,000
TD-15	Substation - 115 kV Line Relay Upgrades	1,525		1,525
TD-16	Substation - Asset Mgmt. Capital Maintenance	1,200	1,508	2,708
TD-17	Substation - Capital Spares	3,900	1,200	5,100
TD-18	Substation - Distribution Station Rebuilds	275	2,112	2,387
TD-19	Substation - New Distribution Stations		2,026	2,026
TD-20	Tribal Permits and Settlements	1,430		1,430
TD-21	Worst Feeders		1,999	1,999
TD-22	Spokane Valley Transmission Reinforcement	2,900		2,900
TD-23	Clearwater Sub Upgrades	500		500
TD-24	Franchising for WSDOT		427	427
TD-25	Harrington 4 kV Cutover	. =	2,025	2,025
TD-28	Transmission - Asset Management	1,709		1,709
TD-30	Transmission - NERC Low Priority Mitigation	500		500
TD-31	Transmission - NERC Medium Priority Mitigation	3,294		3,294
TD-32	SCADA - SOO & BUCC	1,020		1,020
TD-34	Noxon Switchyard Rebuild	8,325	1.500	8,325
TD-35	Street Light Management	\$ 40,183	1,500 \$ 66,924	1,500 \$ 107,107
	Total Non-Revenue Capital			\$ 440,664
	Growth/Revenue - Producing			\$ 31,343
	Total Idaho/Oregon Direct Capital Additions 2015			\$ 7,990

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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Generation / Production

Business Case Name: Base Load Hydro

ER No: ER Name: 4147 Base Hydro

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$3,4471

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	1,126	-	-	-	-	-	-	-	-	-	110	16	1,000
2015	1,149	-	-	-	-	-	-	-	-	-	-	-	1,149
2016	1,149	-	-	-	-	-	-	-	-	-	-	-	1,149

Business Case Description:

This program is to cover the capital maintenance expenditures required to keep these plants operating within 90% of their current performance. The program will focus on ways to maintain compliance while maintaining reasonable unit availability. These plants are the Upper Spokane River plants, including Post Falls, Upper Falls, Monroe Street and Nine Mile.

Offsets:

There are no anticipated offsets with this business case.

¹The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Investment Name:	Base Load Hydro					
Requested Amount	800,000	800,000 Assessments:				
Duration/Timeframe	10 Year Program	Financial:	14.19%			
Dept, Area:	GPSS	Strategic:	Senerating plar	Generating plant performance		
Owner:	Andy Vickers	Business Risk:	3usiness Risk F	Business Risk Reduction >5 and <= 10	= 10	
Sponsor:	Jason Thackston	Program Risk:	Moderate certa	Moderate certainty around cost, schedule and resources	shedule and resou	rces
Category:	Program	ı				
Mandate/Reg. Reference:	n/a	Assessment Score:	#NAME?	Annual Cost	Annual Cost Summary - Increase/(Decrease)	e/(Decrease)
Recommend Program Description:	scription:		Performance	Capital Cost	O&M Cost	Other Costs
This program is to cover the within 90% of their current program will focus on ware a reasonable unit avilabili NM	This program is to cover the capital maintenance expenditures required to keep these plants operating within 90% of their current performance (this assumes some degredation of performance over time.) The program will focus on ways to maintain compliance and reduce overall O&M expenses while maintaining a reasonable unit avilability. These plants are the Upper Spokane River Plants. These include PF, UF, MS, NM	se plants operating nance over time.) The es while maintaining e include PF, UF, MS,	This program would systematically upgrade various equipment to improve	\$ \$00,000		·
				Annual Cost	Annual Cost Summary - Increase/(Decrease)	e/(Decrease)

Business Risk Score

			Annual Cost	Annual cost Summary - Increase/(Decrease)	e/(Decrease)	
Alternatives:		Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
Unfunded Program:	Current Unit avilability has been declining over the past several years (see graph below). Status quo would anticipate a continuation of this general decline. This is due to the relative lower priority of these plants when contrasted to other generating assets.	e/u	\$ 450,000	\$	S	10
Alternative 1: Brief name of alternative (if applicable)	Alternative 1: Brief name Fund this program at something above the historical amount would result in of alternative (if some improvement but would continue the declining rate of availability applicable)	anticipate a slowing trend change	\$ 650,000		\$	
Alternative 2: Brief name of alternative (if applicable)	Alternative 2: Brief name Describe other options that were considered of alternative (if applicable)	describe any incremental changes in operations	\$	- S		0
Alternative 3 Name: Brief name of alternative (if applicable)	Alternative 3 Name: Brief Describe other options that were considered name of alternative (if applicable)	describe any incremental changes in operations	Section 1.	\$		0

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Associated Ers (list all applicable): 4000 4106 4003 4109 4104 4117		3000	98.99	100		V/03
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	ඊ	Capital Cost	O&M Cost	Other Costs	sts	4	Approved
Previous \$	\$	-	\$	Ş		\$	1
2014	\$	1,200,000	- \$	\$	•	\$	1,149,000
2015	\$	800,000	- \$	\$	•	\$	1,149,000
2016	<u>\$</u>	800,000	- \$	ş		Ş	1,149,000
2017	ş	800,000	- \$	\$		\$	1,149,000
2018	\$	800,000	- \$	\$	•	Ş	1,149,000
2019	Ş	800,000	- \$	\$		\$	1,149,000

Program Cash Flows

Exhibit No.

(DCG-20)

Exhibit No.__(KKS-5)

Capital Program Business Case

Printed: 11-05-2014 C.\Users\rff9457\Desktop\Business Cases\Base Load Hydro

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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Generation / Production

Business Case Name: Clark Fork Settlement Agreement

ER No: ER Name:

6100 Clark Fork License/Compliance

6103 Clark Fork Implement PME Agreement

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$33,5641

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	8,002	-	-	-	-	-	-	-	-	-	2	-	8,000
2015	13,988	768	864	912	977	1,010	1,028	932	911	977	1,010	1,202	3,395
2016	6,054	178	208	223	243	393	403	403	403	363	323	288	2,631

Business Case Description:

Implementation of Protection, Mitigation and Enhancement (PM&E) programs. License is issued to Avista Corporation for a period of 45 years, effective March 1, 2001, to operate and maintain the Clark Fork Project No. 2058. The License includes hundreds of specific legal requirements, many of which are reflected in License Articles 404-430. These Articles derived from a comprehensive settlement agreement between Avista and over 20 other parties, including the States of Idaho and Montana, various federal agencies, five Native American tribes, and numerous Non Governmental Organizations. We are required to develop, in consultation with the Management Committee, a yearly work plan and report, addressing all PM&E measures of the License. In addition, implementation of these measures is intended to address ongoing compliance with Montana and Idaho Clean Water Act requirements, the Endangered Species Act (fish passage), and state, federal and tribal water quality standards as applicable. License articles also describe our operational requirements for items such as minimum flows, ramping rates and reservoir levels, as well as dam safety and public safety requirements.

Offsets:

There are no anticipated offsets with this business case.

¹The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 50 of 303 Capital Program Business Case



Exhibit No.__(KKS-5) Attachment No.__GP-2.1

Investment Name:		ement Agreement]					
Requested Amount	\$12,569,817	Veer Brogram		Assessments:	High Evened	- 120% CIDD			
Duration/Timeframe Dept, Area:	Environmental	Year Program		Financial: Strategic:	High - Exceeds Other	S 12% CIRR			<u> </u>
Owner:		Bruce Howard (Di	r)	Operational:		uire execution to p	erform at current l	evels	
Sponsor:	Marian Durkin	77 ANG 18 ANG		Business Risk:		n >10 and <= 15			
Category:	Mandatory	- 12 H. T. C. P. P. C. P. C. P. P. C		Program Risk:		ainty around cost, s	The second secon		
	n/a			Assessment Score:	174	Control of the Contro	Summary - Increas	Control of the Contro	
Recommend Program Desc Implementation of Protection		inhancoment (DNAS.E) programs (le	ance is issued to Avista	Performance	Capital Cost \$ 12,569,817	O&M Cost \$ -	Other Costs	Business Risk Score 4
Corporation for a period of- Project No. 2058. The Licen- reflected in License Articles between Avista and over 20 agencies, five Native Americ to develop, in consultation a all PM&E measures of the L ongoing compliance with M (fish passage), and state, fee describe our operational re- levels, as well as dam safety	45 years, effective Nese includes hundred 404-430. These Art other parties, inclusions the Manageme icense. In addition, I othana and Idaho C deral and tribal wat quirements for item	March 1, 2001, to op- ls of specific legal rec- cicles derived from a iding the States of Id- erous Non Governm- ent Committee, a yea implementation of the lean Water Act requer quality standards is such as minimum i	erate and maint quirements, mai comprehensive aho and Montai ental Organizati irly work plan ar nese measures i irements, the Er as applicable. Li	ain the Clark Fork y of which are settlement agreement na, various federal ons. We are required dd report, addressing i intended to address adangered Species Act cense articles also					
						Annual Cost	l : Summary - Increas	e/(Decrease)	\$567.0531/20205000000000000000000000000000000000
Alternatives:					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
Unfunded Program: If the PMEs are not funded, there is potential for penalties/fines, new license requirements or alternative enforcement and higher mitigation costs, and/or loss of operational flexibility of the hydro facilities; in addition, we are subject to direct enforcement or lawsuits regarding the settlement.				n/a		\$	From Moderate to Extreme	20	
						\$		\$	0
						\$	\$	\$	0
		The second secon				\$ -	\$ -	\$ 100 min 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0
Program Cash Flows					Associated Ers (list all applicable):			
5 years of costs					6103	6100			
B	Capital Cost	O&M Cost	Other Costs	Approved \$ -					
Previous 2012			\$ -	\$ 5,728,500					Hilyana ya Kili Halishi Malay Matana iya dan bayan sa sa
2013			\$ -	\$ 4,655,220	Mis. 212 200 (No. 100 N. 120 N.	Belofted Chineteconi Control Marin	Tarriage of the Control of the Control		
2014	\$ 12,569,817	\$ -	\$ -	\$ 9,341,817					
2015			\$ -	\$ 9,927,956					
2016	\$ 13,410,790 \$ 15,056,504	\$ -	\$ 1	\$ 14,293,795					
2017 2018	Ψ		\$ - \$ -	\$ 15,835,510 \$ 13,302,275					
2019			\$ -	\$ 5,052,843					
Total		\$ 10.00	, \$.	\$ 78,137,916					
Mandate Excerpt (if applice Article 401. The licensee Entered into January 28,	shall comply with					Fork Settlement A	greement (CFSA)	(License Application	on Volume III)
Additional Justifications: The CFSA establishes proces Management Committee co					Falls Carl Me wiles the to be said.	st to 27 various parti	es. Under this agree	ment, Avista will wo	rk with a
Resources Requirements: (request forms and a	pprovals attached)							
Internal Labor Availability: Contract Labor:	Low Probability YES	☐ Medium Probability ☐ NO	☑ High Probablity	Enterprise Tech: Facilities: Capital Tools:	YES - attach form YES - attach form YES - attach form	☑ NO or Not Requ ☑ NO or Not Requ ☑ NO or Not Requ	ared labor boxes ared resource ow	opropriate box. The in should be checked to i mers have been contac nse of how likely staff	ndicate if the ted and to provide

Avista

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Exhibit No.__(KKS-5) Attachment No.__GP-2.2

YES - attach form Fleet:

YES - attach form

NO or Not Required

(this does not require a firm committment).

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Avista

Exhibit No.__(KKS-5) Attachment No.__GP-2.3

							
Key Performance Indi	cator(s)						
Expected Performance Imp							
KPI Measure:		me of the KPI here		1			
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		recommended to help co		(if necessary)		U	Director/Manager
0 + 1 2	3 4	what the project is intend					
Capital Budget Pro	jections						
		2014	2015	2016	2017	2018	
		2024	2023	2010	2017	1	
							Core PMEs: assumes 3% labor change, 3% ave GDP and Int adjustment (10 year historical
							review)
	ER 6103	3,687,817	3,827,951	4,023,790	4,225,504	4,352,269	Spillway Crest modifications for TDG- assumes repairs to Bay 2 are complete in 2013 and
							revised design are completed in late 2013 early 2104. Modify 1 bay in 2014, 2 bays in
	Guy	1,317,000	2,103,000	2,322,000	2,566,000	12,000	2015, 2 bays in 2016, and 2 bays in 2017
							Tributatry traps for downstream passage: assumes feasibility study and design 2014 - 2015, with construction anticipated in 2016
		225,000	340,000	425,000	245,000	375,000	
	Bruce						Cabinet Gorge fishway: assumed to be started post spill 2014 and completed by the start of Q3 2016
		4,900,000	9,900,000	2,500,000	•		
							Noxon Rapids fishway: assumes project on hold at 30% level with construction to begin 2016. Same backgroud project work would continue.
		390,000	590,000	3,920,000	7,620,000		1020. Onlie Bacagood project nom nodia commute.
	lin Flow						
		250,000	200,000	100,000	100,000	100,000	
el. l.c.	1.0.1.						erosion remediation with Avista contributing 15-25% to the erosion loss. Project to begin
Clark Fo.	rk Delta	1,500,000	1,500,000		-		in the fall of 2014 through 2015.
							permitting needs on all construction: Fishway Projects & GSCP
Permitting & Addition	al Labor	200,000	200,000	20,000	200,000	200,000	change in management of Spillway Crest and additional anticipated labor expenses
*····			,	20,000	220,000	200,000	Ongoing non-PME capital for facilities maintenance.
	ER 6100	100,000	100,000	100,000	100,000	100,000	
		100,000		100,000	200,000	200,000	
204		42.550.043	40 750 054	40.440.700	4- 4	l	

To be completed by Capital Planning Group		
Rationale for decision		Review Cycles
		2012-2016
	Date	Template

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Capital Program Business Case	

AVISTA	
	Capital Program Business Ca
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Exhibit No	_(KK	S-5)
Attachment	No	_GP-2.4
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Exhibit No. ___ (DCG-20)
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Generation / Production

Business Case Name: Generation Battery Replacement

ER No: ER Name:

4108 System Battery Replacement

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$600¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	100	-	-	-	-	-	-	-	-	-	-	-	100
2015	250	-	-	63	-	-	63	-	-	63	-	-	63
2016	250	-	-	63	-	-	63	-	-	63	-	-	63

Business Case Description:

This program is set up around an asset management plan for the station batteries in all generating stations. This is the same as the current battery replacement item. This item will also have some minor fluctuations as the number and size of batteries in any one year can change.

Offsets:

There are no anticipated offsets with this business case.

¹The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20)
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Capital Investment Business Case

Avista

Exhibit No.__(KKS-5)
Attachment No.__GP-3.1

Investment Name: Requested Amount	\$160,000	ery Replacemen	<u>) </u>		sessments:								
Duration/Timeframe		Year Program		0000000	ancial:	Low - >0% and	1 < 59	% CIRR					
Dept, Area:	GPSS			Str	ategic:	Life Cycle Prog	gram	S					
Owner:	Andy Vickers			Ор	erational:	Operations sor			у ехеси	ition			
Sponsor:	Jason Thackston				siness Risk:	ERM Reductio							
Category:	Program			-	ogram Risk:	High certainty	-						
Mandate/Reg. Reference:	n/a			Ass	sessment Score:	72	Sales See	Annual Cost		STATE OF THE PARTY	G-seven management		
Recommend Program Des						Performance	400000000000000000000000000000000000000	Capital Cost		M Cost		r Costs	Business Risk Score
This program is set up arou stations. This is the same a fluctuations as the number	s the current Batter	y replacment item	. This item will a			Forced outages from battery failures	\$	160,000 Annual Cost	\$ Summai	rv - Increa	\$ se/(Decre	ise)	0
Alternatives:						Performance	-	Capital Cost		M Cost		r Costs	Business Risk Score
Status Quo:	We currently have	a battery replacen	nent program in	place		n/a	\$	120,000	\$		\$		Ó
Alternative 1: Brief name of alternative (if applicable)	Failure to replace to a battery and substitute to loss of protein	equently place an	entire generating			possible outages and equipment failures	\$		\$	-	\$	-	0
Alternative 2: Brief name of alternative (if applicable)	Describe other opt	escribe other options that were considered							\$		\$		0
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opt	$\begin{aligned} & & & & & & & & & & & & & & & & & & &$	describe any incremental changes in operations	\$		\$		\$.		0			
Program Cash Flows 2012-2016	TO SECURITY OF THE SECURITY OF			1000		Associated Ers (list al	l applicable):			In Section		
2012-2010	Capital Cost	O&M Cost	Other Costs		Approved	4100							
Previous	SEC. COLD DATA WILLIAM STATE S		\$ -	\$	10,000	Section of the contract of the					1466		
2012	\$ 160,000	\$ -	\$ -	\$	160,000								
2013			\$ -	\$	111,000			S	. I		- L	•1	
2014	A STATE OF THE PARTY OF THE PAR	\$ -		\$	100,000			Battery I	керіас	emen	casn i	·iow	
2015 2016		\$ -	\$ -	\$ \$	250,000	1	/-						
2010		\$ -	\$ -	? \$	250,000 250,000	\$210,000	Υ.						
2018	The state of the s	\$ -	Š	Š	250,000	\$160,000	V						_
2019		\$ -	\$ -		250,000	\$110,000	1/	lla	c T				
Future	\$ 201,000	\$ -	\$ -	\$			1	$\{\ \} \rightarrow \{\ \}$					
Total	\$ 1,135,000	\$ -	\$ -	\$	1,631,000	\$60,000	20	012 2013	2014	2015	2016	2017	2018
Mandate Excerpt (if applic n/a	able);							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			100000000000000000000000000000000000000		
Additional Justifications: This is part of a life cycle pr have experienced these fail possibilty of extensive dam personnel.	ures in the recent p	ast and had been f	ortunate that we	e did n	ot loose control of	the plant. When	a bat	tery fails, there	is a risk	of loss of a	ontrol, los	s of prote	ction, and the
Resources Requirements: (request forms and a	ipprovals attached)										
Internal Labor Availability: Contract Labor:	Low Probability	☐ Medium Probability ☑ NO	☑ High Probablity	Fac	terprise Tech: cillities: pital Tools: et:	YES - attach form YES - attach form YES - attach form YES - attach form		✓ NO or Not Requi ✓ NO or Not Requi ✓ NO or Not Requi ✓ NO or Not Requi	ired ired				

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 56 of 303 Capital Investment Business Case



Exhibit No.__(KKS-5)
Attachment No. GP-3.2

(ey Performanc	e indicator(s)		•		,	
xpected Performa (PI Measure:	nce Improvements Fill in the name of the KPI here					
(1 Tivicusus C.	Fill in the name of the KPI here					
		Prepared	signature			
	No graph is available					
		Reviewed	signature		Director/Manager	
					Directorivianagei	
			~		China	
		Other Party Review	w signature	rrymya	J1(M/N/3)	
		(ir necessar)	()	, ,	Director/Manager	
				-i		negative and the state of the s
	This space is to be used for photographs, charts, o	or other data that ma	ay be useful in e	vaulating the Program	n	
			•			
						·
						•
ta ka samul-	for his Canifal Planning Crays		SECLES SALES SECTION S			
Rationale fo	ted by Capital Planning Group r decision				Review Cycles	
					2012-2016	
			Date		Template	

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Generation / Production

Business Case Name: Hydro Safety Minor Blanket

ER No: ER Name:

6001 Hydro Generation Minor Blanket

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$2331

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	65	-	-	-	-	-	-	-	-	-	-	-	65
2015	70	-	-	18	-	-	18	-	-	18	-	-	18
2016	75	-	-	19	-	-	19	-	-	19	-	-	19

Business Case Description:

Funds periodic capital purchases and projects to ensure public safety at hydro facilities, on and off water, in context of FERC regulatory and license requirements. Hydro Public Safety measures as described in the Federal Energy Regulation Commission (FERC) publication "Guidelines for Public Safety at Hydropower Projects" and as documented in Avista's Hydro Public Safety Plans for each of its hydro facilities.

Offsets:

There are no anticipated offsets with this business case.

¹The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 58 of 303 Capital Program Business Case

Avista

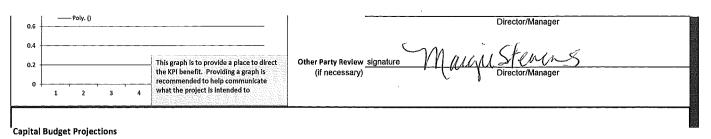
Exhibit No.__(KKS-5)
Attachment No.__GP-4.1

Investment Name:	Hydro Safety Mir \$65,000	nor Blanket	Service Control	Assessments:					
Requested Amount Duration/Timeframe	Lifetime	Year Program		Financial:	MH - >= 9% &	<12% CIRR			
Dept, Area: Owner:	Environmental Michele Drake (Co	oor): Baice Howa	rd (Dir)	Strategic: Operational:	Other Operations req	uire execution to p	erform at current le	evels	
Sponsor:	Marian Durkin			Business Risk:	ERM Reductio	n >10 and <= 15			
Category: Mandate/Reg. Reference:	Mandatory FERC Hydro Publ	ic Safety Guidelin	es	Program Risk: Assessment Score:	Moderate certa	inty around cost, s Annual Cost	chequie and resou :Summary - Increas		
Recommend Program Desc					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
Funds periodic capital purc			ty at hydro facili	tles, on and off water,	n/a	\$ 65,000	\$ -	\$ -	4
in context of FERC regulato	ry and license requir	ements							
							Summary - Increas		
Alternatives: Alternative 1: Funded	Funding of this pro-	gram reduces liabili	ty risk and impro	ves public safety on	Performance n/a	Capital Cost \$ 65,000	O&M Cost	Other Costs	Business Risk Score 20
Allemative I. Fundeu				e from Federal Law			7		
	and are referenced	as poart of our hyd	iro licenses from	FERC.					
Alternative 2: Unfunded	Potential compliant	re issues and possib	ole fines imposed	. Potential for loss of		\$ -	s -	from moderate to	4
Anternative 2, Onjunice				ith recreational liability.			*	extreme	
							3535	2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
weenings		amusika kalenda Banggara		<u>arian da partira da partira.</u> Santaran da partira da					
	1			<u> </u>	() - Ariaman () - Ariaman () ()	<u> </u>	I company and the second secon	. 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	1
Program Cash Flows						list all applicable):	2 E E E E		
5 years of costs	Capital Cost	O&M Cost	Other Costs	Approved	Current ER	6001			
Previous	\$ -	\$ -	\$ -	\$.	Einerstein				
2012 2013		\$ -	\$ - \$ -	\$ 35,000 \$ 5,000					
2014		\$ -	\$ -	\$ 88,000					
2015		\$ -	\$ -	\$ 70,000					
2016 2017		\$ -	\$ - \$ -	\$ 75,000 \$ 80,000					
2018	\$ 80,000	\$ -	\$	\$ 80,000					
2019 Total		\$ -	\$ -	\$ 80,000 \$ 513,000					
- Color	370,000	9		14 313,000	J				
							•		•
Mandate Excerpt (if application 10© of the Feder		rizes the FFRC to	establish regul	lations requiring owne	rs of hydro proje	ects unders its juris	diction to operate	and properly mainta	in such projects
for the protection of life, h									
Engineer an applicant, or	licensee must inst	all, operate and m	iaintain any sign	is, lights, sirens, barri	ers or other safe	ty devices that ma	y reasonably be no	ecessary.	
Additional Justifications:									
Hydro Public Safety measur Public Safety Plans for each			egulation Commi	ssion (FERC) publication	n "Guidelines for	Public Safety at Hydr	opower Projects" a	nd as documented in	Avista's Hydro
r anno salety rians for each	or us nyaro racindes								
Resources Requirements: (request forms and a	pprovals attached)						170	
Internal Labora Ave 11-1-111-	D	Пина	[7] (g-1, p	Enterprise To-L	Dvrc	[7]		ppropriate box. The in	
internal Labor Availability: Contract Labor:	Low Probability VES	☐ Medium Probability ☐ NO	✓ High Probablity	Enterprise Tech: Facilities:	YES - attach form		lanot poxes	s should be checked to wners have been conta	
				Capital Tools:	YES - attach form	NO or Not Requ	ired a general se	ense of how likely staff	will be provided
				Fleet:	YES - attach form	✓ NO or Not Requ	ired (this does n	ot require a firm comn	nttment).
Key Performance Indicator									
Expected Performance Improven KPI Measure:		Safety Increations	Public Healings	ection (conducted appro	ovimately once a	ent flue vessel and -	eview & annount of	f Avietale cubmittala	
KFI WIEdsule.	rence a walling Dam	Salery mapernons	, r aviic ose inspe	Conducted appre	overliareth otice er	reily live years) and r	eview or abbional of	LAISTE S SANILLITTES.	
]	_•				
1.2				Prepared	signature				
1		<u></u>							
1									
0.8 Project FO	Rate			Reviewed	signature				
0.8 Project FO	Kate			Reviewed	signature				

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205

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Exhibit No.__(KKS-5) Attachment No.__GP-4.2



		2014	2015	2016	2017	2018	
							Dam Safety anticipated need for safety equipment
	ER 6001	65,000	70,000	75,000	80,000	80,000	
H04		65,000	70,000	75,000	80,000	80,000	
							Franchising / Permit Renewals assume 40 year Railroad permit renewals on existing substations & equipment on
	ER 7108	265,000	195,000	125,000	125,000	125,000	the John Wayne Pioneer Trail

HED	Year	Description	Est Cost
Cabinet Gorge	2014	K-rated gate at main entrance, S. entrance, and overlook entrance (all equipped with intercom, card swipe, and CCTV)	\$65,000
Noxon Rapids	2015	K-rated gate at main entrance, S. entrance, and near substation (all equipped with intercom, card swipe, and CCTV)	\$70,000
Long Lake	2016	K-rated gate at main entrance (equipped with intercom, card swipe, and CCTV)	\$25,000
Nine Mile	2016	K-rated gate at main entrance (equipped with intercom, card swipe, and CCTV)	\$25,000
Post Falls	2016	K-rated gate at main entrance (equipped with intercom, card swipe, and CCTV)	\$25,000
Long Lake	2017	Down Stream Warning System	\$80,000
Nine Mile	2018	Down Stream Warning System	\$80,000

To be completed by Capital Planning Group	
Rationale for decision	Review Cycles
	2012-2016

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Capital Program Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__GP-4.3

Date	Template

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 61 of 303

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Generation / Production **Business Case Name:** Little Falls Plant Upgrade

ER No: ER Name:

4152 Little Falls Powerhouse Redevelopment

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$27,7001

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	14,300	3,800	-	-	10,500	-	-	-	-	-	-	-	-
2016	9,000	-	-	-	9,000	-	-	-	-	-	-	-	-

Business Case Description:

The existing Little Falls equipment ranges in age from 60 to more than 100 years old. The Company has experienced an increase in forced outages at Little Falls over the past six years has significantly increased (from approximately 20 hours in 2004 to several hundred hours in the past three to four years) due to equipment failures on a number of different pieces of equipment. This project will replace nearly all of the old, unreliable equipment with new. This includes replacing two of the turbines, all four generators, all generator breakers, three of the four governors, all of the automatic voltage regulators, removing all four generator exciters, replacing the unit controls, changing the switchyard configuration, replacing the unit protection system, and replacing and modernizing the station service.

Offsets:

The attached business case shows O&M Offsets of \$20,000. It was determined that these savings are related to employee labor that will be redistributed to other projects and does not result in an overall labor savings.

¹The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

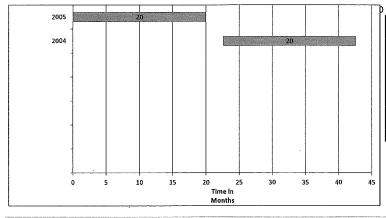
Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 62 of 303 Capital Investment Business Case



Exhibit No.__(KKS-5)
Attachment No.__GP-5.1

Investment Name:	Little Falls Plant Upgrade (Revised)										
Requested Amount	\$56,100,000	Assessments:									
Duration/Timeframe	8 Year Project	Financial:	MH - >= 9% &	Chamming.	Tellity of Almany and Alman,						
Dept, Area:	GPSS	Strategic:	Generating Fle					340\{E			
Owner:	Andy Vickers	Operational:	Operations improved beyond current levels								
Sponsor:		Business Risk:	ERM Reduction								
Category:	Project	Project/Program Risk:	High certainty a	aroun	id cost, sched	lule	and resources				
Mandate/Reg. Reference:	n/a	Assessment Score:	104.5 Cost Summary			ry - Increase/(E	ecrea	ise)			
Recommend Project Descr	ription:		Performance	C	apital Cost		O&M Cost	С	ther Costs	Business Risk Score	
experienced an increase in (from ~20 hours in 2004 to failures on a number of dif equiment with new. this in breakers, three of the four	piment ranges in age from 60 to more than 100 years old forced outages at Little Falls over the past six years has six several hundred hours in the past three to four years) du ferent pieces of equipment. This project will nearly all of noludes replacing two of the turbines, all four generators, governors, all of the AVR's, removing all four generator e switchyard configuration, replacing the unit protection s	Ignificantly increased ue to equipment the old, unreliable all generator excters, replacing the	there would be some performance improvement	Ş	56,100,000		(20,000)			3	
I CO COLLEGE UNIVERSITATION SANCTONING		AND AND SECTION OF THE SECTION OF TH	4.000.000.000.000		Cost Sur	nma	ry - Increase/(D	ecrea	ise)		
Alternatives:			Performance	C	apital Cost		O&M Cost	C	ther Costs	Business Risk Score	
Status Quo :	Forced outages and emergency repairs would continue the reliability of the plant. At some point, personnel maback in the plant.		n/a	\$		\$	20,000	\$	150,000	12	
Alternative 1: Brief name of alternative (if applicable)	This would replace the two items that are currently in the and then continue to use the older equipment. This corolder equipment for reliability purposes. This would on Force Outage rate for the plant.	ntinues to rely on this	Major personnel safety would be addressed	\$	5,000,000	\$	20,000	\$		9	
Alternative 2: Brief name of alternative (if applicable)	This would replace the major cost items, but the station would continue to cause an increasing unplanned outag replacement and down time costs would be much less	a de la fille de la companya de la fille de la fil	Would reduce the outage times	\$	51,000,000	\$		\$		0	
			describe any	\$		Ś		ŝ		0	

Timeline



Construction Cash Flows (CWIP)

	Capital Cost	O&M Cost	Other Costs	Approved
Previous	\$ 1,800,000	\$ -	\$	\$ 1,800,000
2012	\$ 3,200,000	\$ -	\$	\$ 2,000,000
2013	\$ 6,500,000	\$ -	\$ -	\$ 5,000,000
2014	\$ 9,400,000	\$	\$ -	\$ 9,500,000
2015	\$ 8,800,000	\$	\$ -	\$ 8,800,000
2016	\$ 9,400,000	\$ -	\$ -	\$ 9,400,000
2017	\$ 8,800,000	\$ -	\$ -	\$ 8,800,000
2018	\$ 6,200,000	\$ -	\$	\$ 6,200,000
2019	\$ -	\$ -	\$ -	\$
Future	\$ 2,000,000	\$ -	\$ -	\$
Total	\$ 56,100,000	\$ -	\$ -	\$ 51,500,000

Mile	stones	(high	level	targe	ets)

October-10 Project Started
July-12 AVR/Breaker Replacement
February-12 AVR/Breaker Work Complete
July-13 Demolition Complete
January-14 Station Service Complete

June-14 June-14 July-14 March-15

March-14

Control Room Installed Control Panels Installed Switchyard Work Complete First Unit Out of Service (OOS) Rirst Unit Returned to Service (R' July-15 March-16 July-16 March-17 7/1/117

Second Unit OOS Second Unit RTS Third Unit OOS Third Unit RTS Fourth Unit OOS

Associated Ers (list all applicable):

Mandate Excerpt (if applicable):

4102 4103

This is not a mandated item.

Additional Justifications:

Because of the age and condition of all of the equipment of the plant, all of the equipment has been qualified as obsolete in accordance with the obsolescence criteria tool. The Asset Management tool has been applied to Little Falls and also supports this project. The Asset Management studies that have been done to date are still subject to further refinements, but the general conclusions support this project. There are many items in this 100 year old facility which do not meet modern design standards, codes, and expectations. This project will bring Little Falls to a place where it can be relied on for another 50 to 100 years. Finally, this project will need to be worked in coordination with our Indian Relations group as the Little Falls project is part of a settlement agreement with the Spokane Tribe.

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Exhibit No.__(KKS-5) Attachment No. GP-5.2

Resources Requirements: (request forms and approvals attached) Enterprise Tech: ☐ NO or Not Required Internal Labor Availability: Low Probability ☐ Medium Probability ☐ High Probability ✓ YES - attach form ✓ YES Facilities: YES - attach form ☑ NO or Not Required Contract Labor: □ NO Capital Tools: YES - attach form NO or Not Regulred Fleet: YES - attach form ☑ NO or Not Required Key Performance Indicator(s) **Expected Performance Improvements** Forced Outage Hours KPI Measure: signature Prepared 1000 Outage Hours 800 ---Target Project FO Rate 600 Reviewed signature Director/Manager 400 200 Other Party Review signature (if necessary) 2011 2004 2005 2006 2007 2008 2009 2010 -200 **Estimated Annual Cash Flow Plant Availability** 0.9 0.98 0.96 0.8 0.45 0.55 0.7 0.94 0.6 0.92 0,5 0.9 Trend Line 0.4 0.88 0.86 0.3 0.84 0.2 0.82 0.1 0.8 0 JAN FEB MAR APR MAY JUN JUL AUG SEP oct NOV DEC 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 Revision: 2013 Business Case: This project business case is being revised and is requesting additional amounts for the 2013 budget year. The reason for this request is that originally some of the station service and switchyard work was contemplated to be done in future years but with better project planning, we have now determined that we must get a new station service and panel room installed before we start work on the generating units themselves. This results in shifting the unit ugrade work an additionall year. Another consideration is that some fo the major cost componenets (i.e. turbine runners, generator stators, governors) will not be bid and procurred for a year or so. The actual expected costs could change considerably as we begin to pin down costs of these major items and better determine a more comprehensive scope of work. To be completed by Capital Planning Group Rationale for decision **Review Cycles**

Date

AVISTA

2012-2016

Template

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Generation / Production

Business Case Name: Nine Mile Hydroelectric Development Rehabilitation & Modernization

ER No: ER Name:

4140 Nine Mile Redevelopment

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$56,3001

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	5,175	-	-	-	-	-	-	-	-	-	126	5,049	-
2015	51,323	-	-	-	-	2,000	-	-	-	1,000	-	-	48,323
2016	9.871	519	79	83	76	79	1	-	34	-	-	-	9.000

Business Case Description:

This program is to rehabilitate and modernize the 4 unit Nine Mile Hydroelectric Development. This program includes projects to replace Units 1 and 2, which are more than 100 years old. In addition, a new warehouse will be constructed, new tail race gate system will be added, new grounding and communications will be added, a barge landing will be added, a cottage will be removed and another remodeled, a new panel room will be added, Units 3 & 4 will be overhauled and modernized, the powerhouse will be restored, a new access gates and controls will be added and other improvements will be made.

Offsets:

There are no anticipated offsets with this business case.

¹The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 65 of 303 Capital Project Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__GP-6.1

Investment Name: Requested Amount	Nine Mile Rehab	Program		Assessments:				Angelog Angelog (1905)		
Duration/Timeframe		Year Project		Financial:	14.00%			30.00		
Dept, Area:	GPSS	nave nesktaleness	NO ES EN EL RUEVE	Strategic:	Generating Pla	ant M	odernization			
Owner:	Andy Vickers			Business Risk:	Business Risk			d <= 15		
Sponsor:	Jason Thackston			Project Risk:	High certainty	arou	nd cost, sched	lule and resource	S	
Category:	Project									=
Mandate/Reg. Reference:	n/a			Assessment Score:	#NAME?		Annual Cost	Summary - Increa	se/(Decrease)	
Recommend Project Descr	iption:				Performance		Capital Cost	O&M Cost	Other Costs	Business Risk Score
This program is to rehabilit replace Units 1 and 2 which will be constructed, new ta added, a barge landing will room will be added, Units 3 new access gates and contr	n are more than 100 il race gate system w be added, a cottage 3 & 4 will be overhau	years old and are v vill be added, new g will be removed ar lled and modernize	vore out. In addi grounding and co nd another remo d, the powerhou	tion, a new warehouse mmunications will be deled, a new panel se will be restored, a		\$	90,913,000			4
Alternatives:			allieska siik sa sa sa		Performance		Annual Cost Capital Cost	Summary - Increa O&M Cost	se/(Decrease) Other Costs	Business Risk Score
Unfunded Project:	Currently both Unit mechanically wore replace these units	out. A FERC licens		And the control of the second state of the sec	n/a	\$_	-	\$ -	\$ -	16
Alternative 1: Brief name of alternative (if applicable)	Describe other opti	ons that were cons	idered		describe any incremental changes in operations	\$		\$	\$	4
Alternative 2: Brief name	Describe other opti	ons that were cons	idered		describe any	Š		\$	\$	0
of alternative (if applicable)	icable) rnative 3 Name: Brief Describe other options that were considered				incremental changes in operations					
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opti	ons that were cons		describe any incremental changes in operations	\$		\$	\$	0	
Program Cash Flows										
The state of the s	Capital Cost	O&M Cost	Other Costs	Approved	Š	Asso	clated Ers (list	all applicable):		100
Previous		\$ -	\$ -	\$ 10,612,838	To the second se	9.87				
2013		\$ -	\$ -	\$ 11,399,000		13.83		Algolikan yab	tentering (1845)	
2014		\$ -	\$ -	\$ 26,700,000						
2015 2016		\$ -	\$ -	\$ 21,076,917		1757			Bulley France	III i ii verginas
2017 2017 2018	\$ 13,315,000	\$	\$.	\$ 8,523,178 \$ 4,901,639 \$ 5,348,169						
2019 Total		\$ 1000000000000000000000000000000000000	\$ 1000	\$ 998,590 \$ 78,947,493	2					
ER .	2013	2014	2015	2016	2017		Total	Mandate Excerpt	(if applicable):	
4140	\$ 15,379,000	\$ 21,505,000	\$ 10,193,000	\$ 6,000,000		\$	66,392,000	医克耳氏试验 化物工工作业 医克雷特氏征 化二氯化物	itation of the law or	医毛头 医二甲基酚 化二氯二甲基乙二基甲基乙二基甲二二
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O succession of the second	\$ -	\$ -	\$ -	-3.	\$ -	\$		Any supplemen	ntary information tha	t may be useful in
	\$ -	\$ -	\$ -	\$ -	\$ -	\$		describing in m	ore detail the nature	of the Project, the
0	\$ - =	\$ -	\$ 1000000000000000000000000000000000000	\$ -	\$ -	\$	-		urgency, etc.	
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Total	\$ 15,379,000	\$ 21,505,000	\$ 10,193,000	\$ 6,000,000	\$ 13,315,000	\$	66,392,000			
Milestones (high level t	AND DESCRIPTION OF STREET OF STREET, S		lanuari 00							
January-00 January-00	open open		January-00 January-00	open open			January-00 January-00	open		ould be general.
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January-00	open .		January-00	open			January-00	open		
January-00	open		January-00	open		J	lanuary-00	open		
Resources Requirements: (Internal Labor Availability:		oprovals attached)	☐ High Probablity	Enterprise Tech:	'ES - attach form] № он	r Not Required	Capital Tools:	YES - attach form	O or Not Required

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205

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Exhibit No.__(KKS-5) Attachment No.__GP-6.2

AVISTA

YES - attach form □ NO Contract Labor: YES Facilities: ☐ YES - attach form ☐ NO or Not Required Fleet: ☐ YES - attach form ☐ NO or Not Required

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 67 of 303 Capital Project Business Case



Exhibit No.__(KKS-5)
Attachment No.__GP-6.3

		•	
Key Performa	ance Indicator(s)		
Expected Perform	mance Improvements		
KPI Measure:	Fill in the name of the KPI here		
	Fill in the name of the KPI here		
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To be compl	leted by Capital Planning Group		
Rationale	for decision		Review Cycles
			2012-2016
		Date	Template

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Generation / Production

Business Case Name: Regulating Hydro

ER No: ER Name:

4148 Regulating Hydro

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$9,8991

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	3,027	-	-	-	-	-	-	-	-	-	438	90	2,500
2015	4,136	-	-	-	-	-	-	-	-	-	-	-	4,136
2016	3,533	-	-	-	-	-	-	-	-	-	-	-	3,533

Business Case Description:

This program is to cover the capital maintenance expenditures required to keep these plants operating at their current performance. The program will work to improve the reliability of these plants so that their value can be maximized in both the energy and ancillary markets. These plants are Long Lake, Little Falls, Noxon Rapids and Cabinet Gorge.

Offsets:

There are no anticipated offsets with this business case.

¹The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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Capital Investment Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__GP-7.1

Investment Name:	Regulating Hydro	0											
Requested Amount	\$3,500,000			Assessments:	Olek e	400/ 015							
Duration/Timeframe	2.000 (Marie 1907) 100 (Marie 1907) 100 (Marie 1907)	Year Program		Financial:	High - Exceeds 12% CIRR								
Dept, Area:	vner: Andy Vickers Operational:				Generating Fleet Modernization Operations improved beyond current levels								
Owner: Sponsor:					Business Risk Reduction >0 and <= 5								
Category:	Program			Program Risk:				dule and resou	rces				
- ,	n/a			Assessment Score:	88	· · · · · · · · · · · · · · · · · · ·	Annual Control of the		ease/(Decrease)				
Recommend Program Desc	The state of the s				Performance	Capital	e il il constantino	O&M Cost	since a second s	ts Business Risk Score			
This program is to cover the		e expenditures rea	uired to keep the	ese plants operating at	describe any		500,000		\$	- 10			
their current performance. value can be maximized in t	The program will wo	ork to improve the	reliability of the	e plants so that their	incremental changes that this Program would benefit present operations				ease/(Decrease)				
Alternatives:					Performance	Capital		O&M Cost		ts Business Risk Score			
Status Quo:	Current work has be this group of assets needs.			h avialability rate for ing to equipment	n/a		890,000	\$	\$	15			
Alternative 1: Brief name of alternative (if applicable)	We could reduce sp availability but redu load following servi	icing ancillary servi		describe any incremental changes in operations	\$ 2,	200,000		\$	15				
Alternative 2: Brief name of alternative (if applicable)	Describe other option	ons that were cons	idered		describe any incremental changes in operations	\$			÷	- 0			
Alternative 3 Name: Brief name of alternative (If applicable)						\$		\$	\$	- 0			
Program Cash Flows 2012-2016					Associated Ers	A CONTRACTOR OF THE PARTY OF TH	icable): 4102						
2012 2010	Capital Cost	O&M Cost	Other Costs	Approved	4003		4103						
Previous	·	\$	\$ -	\$ 1,890,000	4004		4105						
2012	\$ 3,500,000	\$ -	\$ -	\$ 2,533,000	4100				er skudski				
2013		\$ -	\$ -	\$ 2,233,000			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Program Cas	h Flour				
2014		\$ -	\$ -	\$ 2,833,000				Piùgraffi Cas	II FIOW				
2015		\$.	\$ -	\$ 3,533,000									
2016		\$ -	\$ -	\$ 3,533,000									
2017		\$ -	\$ -	\$ 3,533,000									
2018	See the content of th	\$ - \$ -	\$ - \$ -	\$ 3,533,000 \$ 3,533,000	Figure 1								
Future	The state of the same of the state of the st	\$ -	\$ -	\$ 3,333,000	31,555								
Total		\$ -	Š -	\$ 27,154,000									
	[V 25/65-5/65-5]				4			<i>3</i> 7)4 3		it ma			
Mandate Excerpt (If applica Within this program, there individual items here.		and NERC mand	ated items that	are included. These	are expected to	o be manaç	ged as p	part of the overl	l program and are	e not considered as			
Additional Justifications:													
The magnitude of the value very important for this class availability of Little Falls due what is commonly referred plants, voltage regulating no	of assets. While the to aging equipment to as the ancilary ser	e purpose of this pr t and failures of tha rvices from these g	ogram is to sust it equipment. The enerating assets.	ain our current level of nis is being addressed in This include installing	unit availability fo a separate proje blow down syste	or these plar ct request, ms to allow	nts, indiv Addition for spinr	idually, we have ally, efforts will l ling reserves, mo	been experiencing be made within this	a decline in the s program to improve			
Resources Regulrements: (request forms and a	oprovals attached)						and the second					
Internal Labor Availability: Contract Labor:	= '	☐ Medium Probability ☐ NO	☑ High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	✓ YES - attach form ☐ YES - attach form ☐ YES - attach form ☐ YES - attach form	ои [∑	or Not Requ or Not Requ or Not Requ or Not Requ	ulred ulred					

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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Capital Investment Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__GP-7.2

ey Performance Indicator(s)		
Pi Measure: Availability 7868	Prepared	signature
.48	#REFI Reviewed	signature Director/Manager
0.08	Other Party Revi (if necessa	new signature M AWW SHUWS Director/Manager
Typical Program Schedule Pla	an	
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o be completed by Capital Planning Group Rationale for decision		Review Cycles 2012-2016

Date

Template

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Generation / Production

Business Case Name: Spokane River License Implementation

ER No: ER Name:

6107 Spokane River Implementation (PM&E)

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$17,1921

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	(9)	-	-	-	-	-	-	-	-	-	(16)	6	-
2015	462	39	39	39	39	39	39	39	39	39	39	39	38
2016	16,898	36	36	36	36	36	36	36	36	36	36	37	16,501

Business Case Description:

The Spokane River Project capital projects fulfill FERC's license requirements related to wetlands, water quality, recreation, and land use improvements that will lead to improvements located at Nine Mile, and Lake Spokane (the Long Lake Dam reservoir). The water quality improvements and wetland acquisition and/or enhancements are mandatory conditions included in the License as part of the Washington and Idaho 401 Water Quality Certifications, whereas the recreation and land use projects are FERC's License requirements. This year we will continue modeling a number of potential total dissolved gas remedies for Long Lake Dam, and monitoring low dissolved oxygen (DO) in the tailrace below the dam to determine if the aeration equipment we installed in previous years will sufficiently meet the State's water quality standards. We are also installing additional aeration equipment in the Long Lake Powerhouse to further improve DO in the tailrace. We completed the channel modifications at Upper Falls last fall, which were approved by the Washington Department of Ecology. We will work to complete the required Nine Mile and Lake Spokane recreation projects during this year's construction season.

Offsets:

There are no anticipated offsets with this business case.

¹The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Capital Program Business Case

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Investment Name:	Spokane River License Implementation	TOTAL SECTION AND ADDRESS OF THE PARTY OF TH						
Requested Amount	\$2,902,000	Assessments:						
Duration/Timeframe	50 Year Program	Financial:	12.00%					
Dept, Area:	Environmental	Strategic:	Community vitality	Aji				
Owner:	Elvin "Speed" Fitzhugh (Mgr), Bruce Howard (Dir)	Business Risk:	Business Risk F	Business Risk Reduction >10 and <= 15	<= 15			
Sponsor:	Marian Durkin	Program Risk:	Moderate certai	Moderate certainty around cost, schedule and resources	shedule and resou	rces		
Category:	Mandatory	· Wassa						
Mandate/Reg. Reference:	: FERC Project No 2545-091	Assessment Score:	179		Annual Cost Summary - Increase/(Decrease)	se/(Decrease)		
Recommend Program Description:	scription:		Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score	
Implementation of Protection, M License for Project 2545. Include through settlement agreements	Implementation of Protection, Mitigation and Enhancement (PM&E) programs related to the FERC License for Project 2545. Includes items enforceable by FERC, mandatory conditioning agencies, and through settlement agreements	ted to the FERC ing agencies, and	n/a	\$ 2,902,000	o	©		
				Annual Cos	Annual Cost Summary - Increase/(Decrease)	se/(Decrease)		
Alternatives:			Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score	Dod
Unfunded Program:	We are subject to License enforcement directly from the Federal Energy Regulatory Commission, independent enforcement of certain measures by federal and state agencies under their delegated authorities, and third-party claims by those with whom we entered settlement agreements. We are also subject to citizen lawsuits in certain settings for non-compliance. If the License conditions are not funded, there is the potential for penalties, extensive legal costs, alternative mitigation costs, and/or loss of operation flexibility of the hydro facilities, or the loss of a license to operate in extreme cases.	ne Federal Energy certain measures by intiles, and third-party eements. We are also impliance. If the al for penalties, or loss of operation to operate in extreme	n/a	∵	·	⋄		Exhibit No (DCG-20) kets UE-150204/UG-150205 Page 72 of 303
				- \$	>	\$	8	
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Program Cash Flows								
ALECTRONICO CONTRACTO PARTICIPA PROCEDIA DE CONTRACTO CO	Capital Cost O&M Cost Other Costs	Approved		Associated Ers (list all applicable):	all applicable):			
Previous	\$ 3,192,000 \$			6107				P-8
201	2014 \$ 2,902,000 \$ 4,315,492	2,232,000	Sec.					.1

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 73 of 303

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11,262,000	2,591,000	229,000	229,000	-	-	21,055,000
γ,	\$	\$	\$	\$	\$	ş
2015	2016	2017	2018	2019	2020+	Total

Capital Program Business Case

			Exhibit No. Dockets UE-15	(DCG-20) 0204/UG-150205	Exhibit No(Kk	
Check the appropriate box. The interfial and contract, labor boxes should be checked to indicate if the resource owners have been contacted and to provide a general sense of how likely staff will be provided (this does not require a firm committment).		Director/Manager		of 303	Attachment No.	Review Cycles
✓NO or Not Required ✓NO or Not Required ✓NO or Not Required ✓NO or Not Required	signature	signature	signature 770	atory conditions by th	ary 27, 2009), and ar	
YES - attach form YES - attach form YES - attach form YES - attach form	Prepared s	Reviewed s	Other Party Review <u>signature</u> (if necessary)	activities and manda (401 Certification is	deral Power Act 4(e), issued Janus g Lands of the United States").	
☑High Probablity Enterprise Tech: Facilities: Capital Tools: Fleet:					(401 water Guainy Certification, issued Julie 3, 2009), the US Department of Interior (Federal Power Act 4(e), issued January 27, 2009), and articles set forth in Form L-1 entitled "Terms and Conditions of License for Constructed Major Project Affecting Lands of the United States").	
Medium Probability Medium Probability	of the KPI here of the KPI here			This graph is to provide a place of the KPI benefit. Providing a graph is to provide a place of the KPI benefit. Providing a graph is to provide a place of the KPI benefit. Providing a graph is to provide a place of the KPI benefit. Providing a graph is to provide a place of the KPI benefit is intended to the Spokane River License is also subject to specified protection, mitigation and the Washington Department.	(401 Water Guality Certification, Issued May 4, 2007), the US Department of Interior (Federal Power Act 4(e), issued May 4, 2007), the US Department of Interior (Fe entitled "Terms and Conditions of License for Constructed Major Project Affecting and Conditions of License for Constructed Major Project Affecting the Construction of Construction (Constructed Major Project Affecting the Constructio	Group
ibility: ☐Low Probability ☑YES	dicator(s) nprovements Fill in the name of the KPI here	== Series 2 == Series 1 == Series 3 == Project FO Rate	— Poly. (Series1.)	License is also subje	y cermication, issued May 4, at 4(e), issued May 4, de Conditions of Licen:	To be completed by Capital Planning Group Rationale for decision
Internal Labor Availability: Contract Labor:	Key Performance Indicator(s) Expected Performance Improvements KPI Measure:	0.9	0.5	0.1 0 0.1 The Spokane River (401 Water Ouality	(Federal Power Ac (entitled "Terms an	To be completed by C Rationale for decision

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2012-2016				
	Date			

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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Generation / Production **Business Case Name:** Base Load Thermal Plant

ER No: ER Name:

4149 Base Load Thermal

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$6,700¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	201	-	-	-	-	-	-	-	-	-	38	163	-
2015	2,200	-	-	-	-	-	-	2,200	-	-	-	-	-
2016	2,200	-	-	-	-	-	-	2,200	-	-	-	-	-

Business Case Description:

This program is necessary to sustain or improve the existing operating costs of Coyote Springs 2, Colstrip, and Kettle Falls. Work includes replacement of items identified through asset management decisions and programs necessary to maintain reliable and low operating costs of these plants. As this program proceeds, it is expected that forced outage rates and forced de-rates of these facilities will decrease to a level one standard deviation less than current average.

Offsets:

There are no anticipated offsets with this business case.

¹The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 77 of 303 Capital Investment Business Case

AVISTA

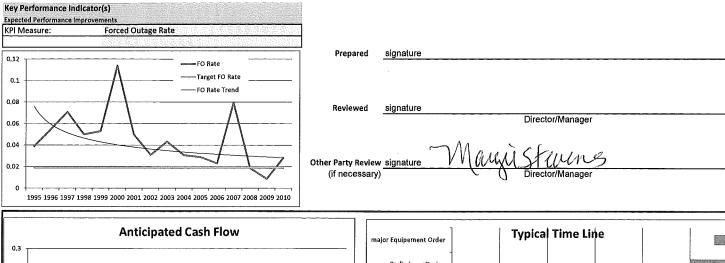
Exhibit No.__(KKS-5)
Attachment No.__GP-9.1

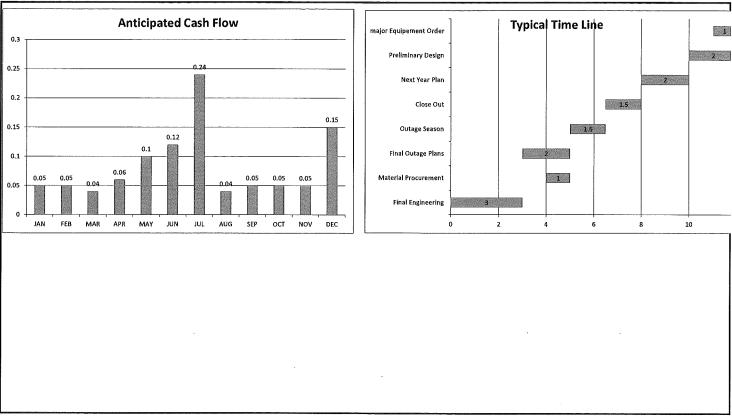
Investment Name:	Base Load Then	nal Plant						Solicition and the second second second		
Requested Amount Duration/Timeframe	\$6,500,000 ongoing	Year Program		Assessments: Financial:	High - Exceed	s 12º	% CIRR			
Dept, Area:	GPSS / Power Su			Strategic:	Generating Flo	Control of the	Annual Committee of the			
Owner:	Andy Vickers			Operational:				erform at current	levels	
Sponsor:	Jason Thackston			Business Risk:	ERM Reduction					
Category:	Program			Program Risk:		-		lule and resource		
Mandate/Reg. Reference:	n/a			Assessment Score:	94		Annual Cost	Summary - Increa	se/(Decrease)	
Recommend Program Desc	ription:				Performance		Capital Cost	O&M Cost	Other Costs	Business Risk Score
This program is necessary to generating stations. This pr Work includes replacement necessary to maintain relial expected that forced outage standard deviation less than	ogram is specifically of Items identified to the and low operating the rates and forced d	for Coyote Spring hrough asset man g costs of these pla erates of these fac	s 2, Colsstrip, Ket agement decision ants. As this prog llitles will decreas	tie Falls, and Lancaster. is and programs tram proceeds, it is ie to a level one	This will improve the forced outage rate for these plants by an overall 0.1%	\$	2,200,000	\$ -	\$ -	8
Alternatives:					Performance		Capital Cost	O&M Cost	Other Costs	Business Risk Score
Status Quo:	over time. These d	egrades have beer	offset with work	rmance has degraded that is included in a ependent of the other,	n/a	\$			\$ 100 PM	15
Alternative 1: Brief name of alternative (if applicable)	The program can b the Goal	e reduced in amou	nt and effectiven	ess in accomplishing	current trend would be reduced.	\$	5,500,000	\$ - 200	\$	10
Alternative 2: Brief name of alternative (if applicable)	Describe other opti	ons that were con	sidered		describe any incremental changes in operations	\$		S (mark)	\$	**************************************
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opti	ons that were con	sidered		describe any incremental changes in operations	\$		\$	\$	0
Described Coal Floring				25 25 25 25 25		(N. a	II - L - II - L I - V.			
Program Cash Flows 2012-2016					Associated Ers Current ER	(list a	11 applicable): 4148			
LUIL LUIU	Capital Cost	O&M Cost	Other Costs	Approved	Cunom Lix	50000			ENTRES STATES	
Previous	7000 F 9100 F 91		\$ -	\$ 6,520,910	recombinativity	1275	SKINDRED HAVE	National Control (NATION		
2012		\$ -	\$ -	\$ 6,877,000		1000			West best tractical	
2013	\$ 6,500,000	\$ -	\$ -	\$ 7,500,000						
2014	\$ 6,500,000	\$ -	\$ -	\$ 2,300,000						
2015		\$ -	\$ -	\$ 2,200,000						
2016		\$ -	\$ -	\$ 2,200,000						
2017		\$ -	\$ -	\$ 2,200,000						
2018		\$ -	\$ -	\$ 2,200,000						
2019	C. F. C.	\$ -	\$ -	\$ 2,200,000						
Future Total		\$ -	\$ - \$ -	\$ - \$ 34,197,910						
LOTAL	\$ 58,520,910	\$ 100 0 -	<u> </u>	\$ 34,197,910						
				e:	***************************************					1077-4788-7018-55 (FROM T. Y. F. T.
Mandate Excerpt (If application Within the program there met. These mandates are	are a number of r			sions and monitoring	that must be co	mplie	ed with. In add	dition there numer	ous NERC require	ments that must be
Additional Justifications: As these plants degrade, we shareholders in a particular		o an increasing for	ced outage rates	and must acquire replac	cement energy ar	nd cap	pacity from the	market. This can le	ave use with significa	ant exposure for
Parouver Parulanna-1-	raquast forms as J =	poravale attack-2				Sings in				
Resources Requirements: (Internal Labor Availability: Contract Labor:		<i>pprovals attached)</i> □ Medium Probability □ NO	✓ High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form		✓ NO or Not Requ ✓ NO or Not Requ ✓ NO or Not Requ ✓ NO or Not Requ	ilred ilred		

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Capital Investment Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__GP-9.2





Rationale for decision		Review Cycles
		2012-2016
	Date	Template

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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Generation / Production

Business Case Name: Peaking Generation

ER No: ER Name:

4150 Peaking Generation

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$1,2001

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	500	-	-	-	-	-	-	500	-	-	-	-	-
2016	500	-	-	-	-	-	-	500	-	-	-	-	-

Business Case Description:

This program is to cover the capital maintenance expenditures required to keep the gas fired peaking units (Boulder Park, Rathdrum and Northeast Combustion Turbine) operating at or above their current performance. The program will focus on maximizing ability of these units to start and run when demanded (starting reliability).

Offsets:

There are no anticipated offsets with this business case.

¹The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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Investment Name: Requested Amount	Peaking Generation	tion	500,000	Assessments:					
Duration/Timeframe	10	10 Year Program		Financial:	12.53%				
Dept, Area:	GPSS			Strategic:	Generating plan	Generating plant performance			
Owner:	Andy Vickers			Business Risk:	Business Risk	Business Risk Reduction >5 and <= 10	<= 10		
	Jason Thackston			Program Risk:	High certainty a	High certainty around cost, schedule and resources	ule and resources		
	Program			•					
Mandate/Reg. Reference:	n/a			Assessment Score:	#NAME?	Annual Cost	Annual Cost Summary - Increase/(Decrease)	se/(Decrease)	
Recommend Program Description:	ription:				Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
This program is to cover the capital maintenance expenditures required to keep the gas fired peaking units operating at or above their current performance. The program will focus on maximizing ability of these units to start and run when demanded (starting reliability). These plants include BP, RCT, NECT.	e capital maintenan their current perfor when demanded (s	ce expenditures re rmance. The progi starting reliability).	quired to keep the ram will focus on r These plants inc	o the gas fired peaking on maximizing ability of include BP, RCT, NECT.	By expending these funds, the start	000'005 \$	\$	\$	
					reliability for these assets will be				
					improved.				
						Annual Cost	Annual Cost Summary - Increase/(Decrease)	se/(Decrease)	
Alternatives:					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
Unfunded Program:	The overall reliability of all of these assets will declir non-compliant emissions, and inoperable resources	ity of all of these a issions, and inoper	ssets will decline, able resources	The overall reliability of all of these assets will decline, resulting in non-starts, non-compliant emissions, and inoperable resources	e/u	\$	\$	S	16
Alternative 1: Brief name of alternative (if applicable)	Describe other options that were considered	ions that were cor	sidered		describe any incremental changes in operations		•	· .	
Alternative 2: Brief name of alternative (if applicable)	Describe other options that were considered	ions that were cor	sidered		describe any incremental changes in operations	\$		v	0
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other options that were considered	ions that were cor	ısidered		describe any incremental changes in operations	-		S	0
Program Cash Flows									
7	Capital Cost	O&M Cost	Other Costs	Approved		Associated Ers (list all applicable):	all applicable):		
Previous	\$	*****	٠ د						
2014	S	5989	- 8						
2015	\$	-3325	- \$	\$ 500,000					
2016	\$	400	- \$						
2017	\$		- \$						
2018	د		- S	\$ 500,000					etrolini.
2019	200,000		- 8						

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 80 of 303

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Fota	000'005'5 \$ 1	\$	\$ -	_	\$	2,700,000				
ER	2015	2016		2017		2018	2019	Total	Mandate Excerpt (if applicable):	
4150	\$ 500,000	\$ 500,000	90		\$	500,000	\$ 500,000	\$ 2,500,000		
0	\$	\$	\$ -		Ş	•	\$	\$	mandated items that are included. These are	
0	- \$	\$	\$ -	ı	\$		- \$	\$	expected to be managed as part of the overll program	
	- \$		\$ -		\$	1	\$	\$	and are not considered as individual items here.	
	- \$	\$	\$ -	•	\$		٠,	\$		
0	- \$	\$	\$ -		\$	-	\$	- \$		
0	- \$		\$ -	•	\$		\$	\$		
	- \$	\$	\$		\$		\$	- \$	Additional Justifications:	
	\$	\$	\$		\$		\$	\$	With wind and other renewables coming on line, there has	
0	\$		\$ -	1	\$	•	- \$	\$	been an increase in the amount of times that these units	
	- \$	\$	\$ -		\$		\$	- \$	have been called on. The value of these units may not be	
0	- \$	\$	\$	•	\$	•	\$		reflected with this new market. Also, the analysis used	
0	- \$		\$		\$		\$	-	currently does not contemplate the emergency reserve	
0	\$	\$	\$		\$		\$	\$	power value of these units. There are times when energy is	Dod
0	- \$	Ş	\$ -		\$	-	۶	\$	unavailable from other sources and the spot price of	Ext
	, · · · · · · · · · · · · · · · · · · ·	Ş	<u>-</u>		\$	•	,	- \$	aneray can exceed \$500/MWh or more (\$50 - \$80/MWh	ts l
Total	\$ 500,000	\$ 500,000	5000	500,000		500,000	\$ 500,000	\$ 2,500,000	1	t No JE- Pag
Resources Requirements: frequest forms and approvals attached) Internal Labor Availability:	(request forms and a	pprovals attache		✓ High Probablity	Enterprise	Enterprise Tech:	YES - attach form	✓ NO or Not Required		(DCG-20 0204/UG-15 1 of 303
Contract Labor:	∠yres	2			racilities: Capital Tools: Fleet:	rools:	YES - attach form YES - attach form YES - attach form	✓ NO or Not Required ✓ NO or Not Required ✓ NO or Not Required	resource owners have been contacted and to provide a general sense of how likely staff will be provided quired (this does not require a firm committment).	
Key Performance Indicator(s) Expected Performance Improvements	r(s) ments				(a.000000000000000000000000000000000000					
KPI Measure:	Fill in the name of the KPI here	the KPI here			Book:					
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Capital Program Business Case

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Exhibit No. ___ (DCG-20)
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Generation / Production

Business Case Name: Colstrip Thermal Capital

ER No: ER Name:

7130 Colstrip Unit 4 Outage due to Generator Failure

4116 Colstrip Capital Additions

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$20,3541

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	1,459	-	-	-	-	-	-	-	-	-	481	133	845
2015	2,497	40	40	60	70	80	120	120	110	110	90	80	1,580
2016	10,480	352	352	529	617	2,373	1,057	1,057	969	969	793	705	705

Business Case Description:

This program is for ongoing capital expenditures associated with normal outage activities on Units 3 & 4 at Colstrip. Every 2 out of 3 years we have outages at Colstrip with higher capital program activities. For non-outage years, the program activities are reduced. Avista votes its 15% share of Unit's 3 & 4 and its approximate 10% share of common facilities to approve or disapprove of the budget proposed by PPLM on behalf of all the owners. Individual projects are reviewed for appropriate rates of return and necessity.

Offsets:

There are no anticipated offsets with this business case.

¹The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Capital Program Business Case

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Investment Name: Requested Amount	Colstrip 3&4 Capital Estimated Total Capital Expenditure	al Expendit	ure	Assessments:	nents:						
Duration/Timeframe	5+ Year	Year Program		Financial:	al:	10.00%					
Dept, Area:	Power Supply			Strategic:	U	None					
Owner:	Scott Kinney			Business Risk:	s Risk:	Business Risk	Business Risk Reduction - None				
Sponsor:	Jason Thackston			Program Risk:	n Risk:	Low certainty a	Low certainty around cost, schedule and resources	ule and resources			
Mandate/Reg. Reference:				Assessn	Assessment Score:	29		Annual Cost Summary - Increase/(Decrease)	se/(Decrease)		
Recommend Program Description:	cription:					Performance	Cap	O&M Cost	Other Costs	Business Risk Score	
This program is for ongoing capital expenditures associated with normal outage activities on Units 3 & 4 at Colstrip. Every 2 out of 3 years we have outages at Colstrip with higher capital program activities. For non-outage years, the program activities are reduced. Avista votes its 15% share of Unit's 3 & 4 and its approximate 10% share of common facilities to approve or disapprove of the budget proposed by PPLM on behalf of all the owners. Individual projects are reviewed for appropriate rates of return and necessity.	g capital expenditures asso 3 years we have outages at 3 years we have reduced common facilities to appro 6 Individual projects are re	ciated with n t Colstrip with . Avista vote ove or disapp viewed for a	ormal outage and higher capital sits 15% share rove of the buckpropriate rate	ctivities or program a of Unit's 3 get propos s of return	on Units 3 & 4 activities. For 3 & 4 and its osed by PPLM in and	These programs are required for continned operation of units 3&4	\$ 7,420,000	S			
							Annual Cos	Annual Cost Summary - Increase/(Decrease)	se/(Decrease)	Daviewornic Pick Hemanikas Istratura estas.	
Alternatives:						Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score	
Unfunded Program:	Generally speaking, we can only vote our small share. We do no option of unilaterally rejecting the proposed capital projects. W to sell our portion of the plant to escape funding these projects.	an only vote o	our small share sposed capital p pe funding the		not have the We would have ts.	e/u	-	→	\$ 50,000,000	0	Exhibit No kets UE-150 Page 85
Alternative 1: Brief name of alternative (if applicable)	Describe other options that were considered	nat were cons	sidered			describe any incremental changes in operations	S	\$	·	0	204/UG-1502
Alternative 2: Brief name Describe other options that were considered of alternative (if applicable)	Describe other options th	nat were cons	sidered			describe any incremental changes in operations	♦	, , , , , , , , , , , , , , , , , , ,	C	0	205
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other options that were considered	nat were cons	idered		2.0 (2.1) (1.2) (1	describe any incremental changes in operations		And the second s			Exhibit No Attachme
Program Cash Flows											
	Capital Cost 0	O&M Cost	Other Costs		Approved		Associated Ers (list all	all applicable):			
Previous	\$	-	- \$	\$			4116		A Section of the second section of the section of the second section of the section of th		
2014	\$ 7,414,223 \$		- \$	\$	7,376,833		7130				
2015	\$		\$	\$	4,121,100						
2016	\$		<u>-</u>	\$	8,856,000						12.
2017	\$ 7,486,699		- \$	\$	9,616,800						.1
2018	\$ 2,232,750	-	5	\$.	3,669,750						
2019	\$ - \$		\$	\$	14,173,800						

Exhibit No.

(DCG-20)

Exhibit No.__(KKS-5)

Capital Program Business Case

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Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Generation / Production **Business Case Name:** Hydro – Noxon Spare Coils

ER No: ER Name:

4166 Noxon Rapids HED Spare Coils

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$1,3501

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	1,350	-	-	-	-	-	1,350	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-	-	-

Business Case Description:

This project is to replace the spare coils that were used last spring to repair the stator winding that failed for Unit 4. This item will procure 100 spare coils. These spares cover Units 1 through 4 (Unit 5 is different). Because we had spares on hand, we were able to return Unit 4 to normal service within 11 weeks. Without these spares, the unit would have been out for 9 months or more. Prices for coils supplied under emergency conditions would likely carry a 30% premium. This project does not include any installation, only replacing stock that we had previously.

Offsets:

There are no anticipated offsets with this business case.

¹The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 90 of 303 Capital Project Business Case

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Exhibit No.__(KKS-5) Attachment No.__GP-14.1

investment Name: Requested Amount	Noxon Spare Co Estimated Total		iture	Assessments:						
Duration/Timeframe	1	Year Project		Financial:	8.54%		_{ke} assuveststalistilj	unddergenes od annergenerging	terminal de la company de la c	anago ante o socialista e o Pie
Dept, Area:	GPSS			Strategic:	Reliability & C	apacity				
Owner:	Andy Vickers			Business Risk:	Business Risk	Reduction	>0 and	≺ = 5	West Company of the C	and an analysis of the same and
Sponsor:	Jason Theckston			Project Risk:	High certainty	around co	st, sched	dule and resource	9	
Category:	Project									
Mandate/Reg. Reference:				Assessment Score:	88	3 An	nual Cos	t Summary - Increas	se/(Decrease)	
Recommend Project Descr					Performance	Capita	Cost	O&M Cost	Other Costs	Business Risk Score
This project is to replace th	e spare colls that we	re used last spring	to repair the sta	or winding that failed	describe any	\$ 1	350,000	\$.	\$ -	3
for Unit 4. This item will pr	ocure 100 spare coll	s. These spares co	ver Units 1 throu	gh 4 (Unit 5 is	incremental					
different). Because we had	spares on hand, we	were able to retur	n Unit 4 to norm	al serivce within 11	changes that					
weeks. Without these spar	es, the unit would h	ave been out for 9	months or more.	Prices for coils	this Project					
supplied under emergency					would benefit					
any installation, only replac	ing stock that we ha	d previously.	*		present					
					operations					
						An	nual Cos	Summary - Increas	ie/(Decrease)	
Alternatives:					Performance	Capita	Cost	O&M Cost	Other Costs	Business Risk Score
Unfunded Project:	Should we not have	adequate spare c	oils on hand, we	would risk a	n/a	\$ 2	100,000	\$ -	\$ 165,484	4
	significantly longer t	orced outage (at l	east 6 months) ar	id a much higher cost						
	(30% premium).									
Alternative 1: Brief name	Describe other opti	ons that were con	sidered		describe any	S		5 .	\$ -	
of alternative (if					Incremental	"		1	*	
applicable)					changes in					
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Alternative 2: Brief name	Describe other opti	ons that were con	sidered		describe any	15		\$ -	s -	0
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					operations					
Alternative 3 Name: Brief	Corrello other out	one that ware con	rldorod			+			-29	
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the state of the s					incremental					
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Program Cash Flows		EATRE AND CONTRACT OF A CONTRACT OF								SEASON NORTH CONTROL AND THE CONTROL OF CONT
riugiam kasu riuws	Capital Cost	Q&M Cost	Other Costs	T				-0 - 0 - 0 -		
Previous			The same of the sa	Approved		Associated	i ers (ust	all applicable):	1	
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2013 2014			1	and the state of t	#					
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2015		\$ - \$.	<u> </u>	\$	_	L		<u> </u>		L
2017+			Name and Address of the Owner, where the Owner, which is the Owner,		-					
Total	<u> </u>	\$ - \$ -	\$	\$ - \$ 1,350,000						
1 DXCI	\$ 1,340,000	-		1,530,000						
ER	2013	2014	2015	2016	20174	Tot		le de la companya de	ne secretario	
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Total		\$ 1,350,000	\$ -		\$ -	\$ 1.	350,000	<u>L</u>	-A.000-2	
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Milestones (high level t	military and a property of the control of the contr	luad								
September-14	Spare Coils Rece	IAGU	January-00	open		Janua		open	Milestonessh	ould be general.
Jenuary-00	open		January-00	open		Janua		open		ement on project
January-00	open		January-00	open		Janua		open		et progress cen
January-00	open		January-00	open		Janua		open		
January-00	open		January-00	open		Janua		open		
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Resources Requirements: (renupet forms and a	namuale attached								
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Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Capital 40 et al. (1997)



Exhibit No.__(KKS-5)
Attachment No.__GP-14.2

Key Performance Indicator(s) Expected Performance Improvements	
KPI Measure: Fill in the name of the KPI here	
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This space is to be used for photographs, charts, or other data	that may be useful in evaulating the Project
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o be completed by Capital Planning Group	
Rationale for decision	Review Cycles
	2012-2016
	Date Template

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 92 of 303

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Generation / Production

Business Case Name: Post Falls South Channel Gate Replacement

ER No: ER Name:

4162 PF S Channel Gate Replacement

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$8,014¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	11,008	-	-	-	-	11,008	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-	-	-

Business Case Description:

Avista had planned to maintain the south channel gates to comply with FERC Dam Safety directives. When a pre-construction underwater investigation was done, it was discovered that the condition of the concrete structure was very poor and would not handle the planned work. This project includes an engineering investigation into options and project estimates. It is anticipated that much of the existing concrete structure will be removed and replaced with a new concrete structure, new gates and hoist systems to automate the operation.

Offsets:

The attached business case shows O&M Offsets of \$5,000 in 2015. After further discussion, it was determined that these savings are related to employee labor that will be redistributed to other projects and do not result in a reduction to overall labor expense.

¹The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
Page 93 of 303
Capital Program Business Case

AVISTA

Exhibit No.__(KKS-5) Attachment No.__GP-15.1

Investment Name:	Post Fall South 0	Channel Replace	ment	1	•				
	Estimated Total			Assessments:	1 1 1 1 1				
Duration/Timeframe	and the second s	Year Project		Financial:	0.00%				
p + m / / /	GPSS			Strategic:		ant Modernization	125		
	Andy Vickers Jason Thackston			Business Risk: Project Risk:		k Reduction >0 and around cost, sched			CONTROL CONTROL
	Mandatory			rroject Msk.	ingii containty	diculta coot, conse			
Mandate/Reg. Reference:		pter I, Subchapte	r B, Part 12	Assessment Score:	55	Annual Cost	Summary - Increase	e/(Decrease)	
Recommend Project Descri					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
Avista had planned to maint When a pre-construction un concrete structure was very to evaluate options. This ite It is anticipated that much o concrete structure, new gat	derwater investigat poor and would no em includes an engli of the existing concr	tion was done, it want thandle the planne neering investigatio ete structure will be	es discovered that ad work. This has in into options ar a removed and re	t the condition of the resulted in an effort nd project estimates.		\$ 11,008,000	\$ (5,000)		5
Alternatives:					Performance	Capital Cost	Summary - Increase O&M Cost	Other Costs	Business Risk Score
Unfunded Project:	We are currently us the existing gates a years and are in the work.	nd structure. We h	ave deferred the				\$ 1000 000 000 000 000 000 000 000 000 0	\$	20
Alternative 1: Brief name	At the time this cas	e is being submitte	d, no alternative	s are known.	describe any	\$ -	\$	\$ -	5
of alternative (if applicable)	The second secon				incremental changes in operations				
Alternative 2: Brief name	Describe other opti	ons that were cons	idered		describe any	\$ -	\$ -	\$ -	0
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Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opti	ons that were cons	idered		describe any incremental changes in operations	\$		\$ -	0
Program Cash Flows					10.00				
riugiani casii riuws	Capital Cost	O&M Cost	Other Costs	Approved		Associated Ers (list	all applicable):		
Previous		\$ -	\$ -	\$ 63,83	o	new			ESparancia da talente.
2013	\$ 950,000	\$ -	\$	\$ 1,119,00					
2014		\$ -	\$ -	\$ 6,444,00					
2015 2016		\$ - \$ -	\$ - \$ -	\$ 1,570,00	<u>0 </u>	Name of the second	¥10.000 (1.000 (
2016	\$ -	\$ -	\$ -	\$ -					
Total		\$ -	\$ -	\$ 9,133,00	o				
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ER	2013	2014	2015	2016	2017	Total	Mandate Excerpt (
new	\$ 960,000	\$ 1,950,000	\$ -	\$ -	\$ -	\$ 2,910,000			spection Report, Plan and Schedule;
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0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
Total	\$ 960,000	\$ 1,950,000	\$ -	\$	\$ -	\$ 2,910,000			
Milestones (high level t September-12 March-13 July-13 September-13 January-14 May-14 Resources Requirements; (Internal Labor Availability:	Project Kick-Off Design Basis Cor Gate Supply Bids Gate Supply Awa Issue Constructio Installation Contra	Out red n RFP act Awarded	March-12 January-13 January-13 January-13 January-13	Construction Com Project Closed Ou open open open open open		January-13 January-13 January-13 January-13 January-13 January-13 January-13	open open open open open open open open	Use your jud progress so t be measured three milest	hould be general, igement on project that progress can d. Provide at least ones per year
Contract Labor:	✓ YES	No				NO or Not Required			NO or Not Required

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 94 of 303 Capital Program Business Case



Exhibit No.__(KKS-5)
Attachment No.__GP-15.2

Key Performand	ce Indicator(s) ance Improvements		
KPI Measure:	FERC Mandate		
1.2	Series2 Series1 Series3	Prepared	signature
0.8	—— Project FO Rate —— Poly. (Series1)		
0.4		Reviewed	signature Director/Manager
0.2		Other Party Review	
0 +	1	(if necessary) ' \ \ \ Director/Manager
	Because of the timing of the discovery of the concrete condition, which did not allow for much investiagation of what would be need have learned about the needed work to address this issue. Additional Information: The original plan had contemplated a sin However, upon further scoping work, it was determined that goir were installed in the 1990's for dam stability. This forced a chan	eded for the project. A ngle spillgate in place on ng to a single gate des	is a result, the original requiest has been increased as we of the current six gates, expecting to reduce construction costs, ign would require removal of six post tension anchors that
(Also, the project will now require a cofferdam to facilitate the nec the site construction have also increased the cost over the origin	cessary construction. nal estimate.	That along with the access improvements needed to perform
		·	
To be comple Rationale fo	eted by Capital Planning Group or decision		Review Cycles 2012-2016
		Date	Template

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Generation / Production

Business Case Name: Cabinet Gorge Unit 1 Refurbishment

ER No: ER Name:

4161 CG HED U#1 Refurbishment

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$10,4001

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	11,400	-	-	-	-	11,400	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-	-	-

Business Case Description:

This is the Capital portion of a major overhaul project planned for Cabinet Gorge Unit 1. The runner hub has significant issues, and will need to be upgraded to allow for frequent cycling with integration of intermittent resources. The present automatic voltage regulator has relatively slow response due to its hybrid design. It also has no limiters for generator protection. A new system will improve both of these. The machine monitoring will allow for better analysis of the machine condition for this critical unit. New protective relays will be installed and new controls will be integrated with the project to replace the failing Bailey NET90 system. Rehab of this unit will also allow flexibility around minimum flow for fish habitat.

Offsets:

There are no anticipated offsets with this business case.

¹The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 96 of 303 Capital Program Business Case

AVISTA

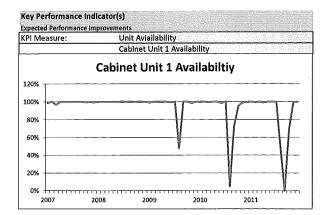
Exhibit No.__(KKS-5)
Attachment No.__GP-16.1

Investment Name:		Jnit 1 Refurbishr			**************************************	Professional When the Paris State Committee of the Paris State Committee o	00 10 Prop. (1980-0-44) - 170 brow (1970 - 10 1970-0-40)		MANUAL ESPACE AND
Requested Amount		Capital Expendi	ture	Assessments:	0.040/				
Duration/Timeframe Dept, Area:	GPSS	Year Project	Francista managas, applicado de carr	Financial: Strategic:	9.24%	lant Modernization			
Owner:	Andy Vickers			Business Risk;		sk Reduction >5 an	d <= 10		
Sponsor:	Jason Thackston			Project Risk:		around cost, sche			
Category:	Project								
Mandate/Reg. Reference:	n/a			Assessment Score:	#NAME?	Annual Cos	t Summary - Increas	se/(Decrease)	
Recommend Project Descr	iption:				Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
This is the Capital portion of has significant issues, and vintermittent resources. The no limiters for generator prist to allow for better analysinstalled and new controls Rehab of this unit will also	will need to be upgrome present AVR is release to AVR is release to some system of the condition of the cond	aded to allow for fr atively slow respon stem will improve t ition for this critical with the project to re	equent cycling wi se due to its hyrb ooth of these. Th unit. New protet eplace the failing	th integration of id design. It also has e machine monitoring ive relays are to be	Better voltage control and response for blackstart (NERC), predictable rewind timing			\$	
Alternatives:			6 1 1 1		Performance		t Summary - Increas	Other Costs	Business Risk Score
Unfunded Project:	 Schools and the Company of the Company	nue to deteriorate, he plant at 3,000cfs		Auctor Committee Control of Contr	n/a	\$ and a second s	\$ 1,550,027	\$	12
Alternative 1: Install IRIS Monitoring System Only	assess the condition	nstall a Partial Disc on of the generator I of rewedge & rein	winding to assist	in rewind timing. The	none	\$ 949,000	\$ 868,026	\$	4
Alternative 2: Brief name of alternative (if applicable)	Describe other op	ions that were con	sidered		describe any incremental changes in operations			\$	0
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opt	ilons that were con	sidered		describe any incremental changes in operations	\$	\$	\$	0
Program Cash Flows	Appendix of the second						Take a second se		
r logialii casii ilows	Capital Cost	O&M Cost	Other Costs	Approved		Associated Ers (list	all applicable):	Control of the Contro	
Previous			Ś -	\$ -		none	ан аррисавису.		
2013		·	\$ -	\$ 1,300,000					
2014	\$ 3,394,638	\$	\$ -	\$ 5,500,000	w! 		The Maria Service		
2015		\$ -	\$ -	\$ 4,900,000					
2016 2017		\$ -	\$ - \$ -	\$ - \$ -					
Total		\$ 2.0	\$ -	\$ 11,700,000					
					-				
ER	2013	2014	2015	2016	2017	Total	Mandate Excerpt (if applicable):	
none	\$ 5,172,658		\$ -	\$ -	\$ -	\$ 8,567,296		not applicable	
0 0 0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
0	\$ - \$ -	\$ - \$ -	\$ -	\$ - \$ -	\$ - \$ -	\$ -5			
0 n	\$ -	\$ -	\$ -	\$ -	\$ -	\$ - \$ -			
0	Š .	Š -	\$ -	\$ -	\$ -	3 -			
o .	Š -	\$ -	Ś -	\$	Š -	Š -			. 15 5 7 10 to (58) 95 35 40% 100 etasta.
0	\$	\$ -	s -	\$	\$	š -	Additional Justifica	ations:	
0 0 0 0	\$	\$ -	\$ -	\$ -	\$ -	\$ -			t utilized the rotating
0	\$ -	\$ -	\$ -	\$.	\$ -	\$ -	exciter equipment.	. When we perform	blackstart testing,
0	\$	\$	\$ -	\$ -	\$	\$.	the relatively slow	response of the AV	R system does not
	\$ -	\$	\$ -	\$ -	\$	\$ -	allow the unit to m	naintain a stable voli	age output to
0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		ion lines and other	
0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			na. New Relays, Unit
	\$ - \$ -	\$ -	\$ - \$ -	\$ - \$	\$ - \$ -	\$ -			replacements will be
Total	\$ 5,172,658	\$ 3,394,638	\$ -	\$ -	\$ -	\$ 8,567,296	performed to upda	ite this machine to r	nodern standards.
Milestones (high level to October-12 November-12 December-12 March-13 July-13 September-13	targets) Project Start Basis of Design AVR Ordered Monitoring Equip Final Design Equipment Delive		October-13	Discharge Ring inst Runner delivered to Runner installation Installation Complet Machine in Service open	site	January-14 November-14 January-15 April-15 April-15 January-13	open open open open open open	Use your jud progress so t be measured	hould be general. gement on project that progress can f. Provide at least ones per year
Resources Requirements: (Internal Labor Availability: Contract Labor:	request forms and c	ipprovals attached) ☐ Medium Probability ☑ NO	High Probability			☑ NO or Not Required ☑ NO or Not Required			NO or Not Required NO or Not Required

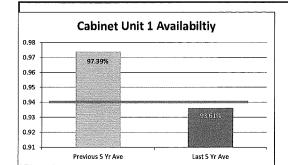
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AVISTA

Exhibit No.__(KKS-5)
Attachment No. GP-16.2







Some other explanation of the chart included above is that you can see that we are experiencing increasing outages over time to address the problems with the unit. These outages are generally increasing over time.

The monitoring system is intended to help us capture when a major outage is likely to occur and then plan accordingly. An asset management study has shown the benefits of a monitoring system that we can use to predict when we should plan for major events rather than perform the work after failure.

The chart at the left shows the decreasing availability that has been experienced over the past ten years due to mechanical problems with the unit. Doing this capital project at the same time as the major maintenance wil improve future availability as this will not be needed again.

To be completed by Capital Planning Group Rationale for decision		
Rationale for decision		Review Cycles
		2012-2016
	Date	Template

Exhibit No. ___ (DCG-20)
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: General

Business Case Name: Capital Tools & Stores Equipment

ER No: ER Name: 7005 Stores Equip

7006 Tools Lab & Shop Equipment7002 Office Mach & Equipment

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$6,570¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	589	-	-	-	-	-	-	-	-	-	221	88	280
2015	2,348	337	337	337	54	54	54	54	54	54	337	337	337
2016	2,400	344	344	344	56	56	56	56	56	56	344	344	344

Business Case Description:

This business case is for the purchase and repair of tool and facility material handling equipment. This includes equipment such as forklifts, manlifts, shelving, cutting/binding machines, etc. These funds are used for capital Stores equipment company-wide. The ER's included in this business case are blanket projects that occur year over year.

Offsets:

There are no anticipated offsets with this business case.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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AVISTA

Exhibit No.__(KKS-5) Attachment No.__G-1.1

Investment Name:	Capital Tools ar	nd Stores		7					
Requested Amount	\$		1,821,500	Assessments:					100
Duration/Timeframe	Ongoing	Year Program		Financial:	MH - >= 9% &				
Dept, Area:	Supply Chain			Strategic:	Life Cycle Prog	AND EVEN THE SECOND SEC			
Owner:	Cody Krogh			Operational:		uire execution to p	erform at current	levels	
Sponsor:	Don Kopcynski	C. (25.7)		Business Risk:	ERM Reduction				
Category:	Program			Program Risk:		around cost, sched	Carrier Committee Committe	00000000000000000000000000000000000000	I
Mandate/Reg. Reference:				Assessment Score:	84	Charles and the second and the secon	Summary - Increas		
Recommend Program Desc	(VIII)				Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
Purchase and repair of tool	and facility materia	l handling equipme	it		Enhances crew efficiency	\$ 1,500,000	\$	\$ -	0
					1		Summary - Increas		Business Risk Score
Alternatives:	le u u	A	46.3	lems that need to be	Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
Status Quo:	corrected	nt condition of the a	sset(s) and prob	ierns that need to be	n/a				
Alternative 1: Repair all tools	performed (not all crew efficiency, inc concerns for not h	tools can be repaire creased labor to find aving appropriate ed	d), delayed resp /rent tools and o quipment to perf	orm craft work (meter			\$ 1,141,606	\$	0
	utility locating equ	ipment, reduction o	f safety related o				And the second s		
Alternative 1: Rent Forklifts	Increased rental ex CAP loading, 5% to		ther" budget sh	ifting 95% of costs to		\$ 665,000	\$ 35,000	\$ in the second of the second	0
Program Cash Flows					Associated Ers (list all applicable):			
5 years of costs					2013		2014		(ASSESSED FOR EACH
	Capital Cost	O&M Cost	Other Costs	Approved	7006	1500000	7006	\$ 1,307,007	
					Attimetically)		7005	514493	
2013	\$ 1,500,000	\$ -	\$ -	\$ 775,000		A IN A GUNDANI			
2014	\$ 1,575,000	\$	\$ -	\$ 1,821,500					
2015	\$ 1,653,750	\$	\$ -	\$ 2,348,325					
2016			\$	\$ 2,400,000					
2017	\$ 1,823,259	and the second second second second	\$ -	\$ 2,400,000					
2018		\$ -	\$ -	\$ 2,400,000	4				
2019	-	\$ -	\$ -	\$ 2,400,000					
Total	\$ 8,288,447	\$ -	-	\$ 14,544,825					
								entra e Societa de Descripción de Societa de	
Mandate Excerpt (if application)	aviej:	The State of							
		_							
Additional transfers to -									
Additional Justifications: Increased budget 2014-201	7 amount by 5% to	account for inflation		2 2 2					
inc) cascu buuget 2017-201	, amount by 370 to	account for minution							
			7555						
Resources Requirements: (request forms and a	ipprovals attached)							
Internal Labor Availability: Contract Labor:	Low Probability	☐ Medium Probability ☑ NO	☑ High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	☐ YES - attach form	✓ NO or Not Requ ✓ NO or Not Requ ✓ NO or Not Requ ✓ NO or Not Requ	ired labor boxes ired resource ow ired a general se	ppropriate box. The ir should be checked to rners have been conta inse of how likely staff ot require a firm comm	indicate if the cted and to provide will be provided

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Capital Program Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__G-1.2

Key Performance Indicat Expected Performance Impro						
KPI Measure:	Tool Repair as a percentage of tool purchases					
	Fill in the name of the KPI here	D	-1			
		Prepared	signature			
			•			
		Reviewed	signature			
					Director/Manager	
			·	30000	Skung	•
		Other Party Review (if necessary)	signature	Marye.	July -	
		(if necessary)	1		Director/Manager	
	This space is to be used for photographs, charts, o	or other data that ma	y be useful in ev	vaulating the Progra	ım	
	•					
VI. 1. 11. 11. 11. 11. 11. 11. 11. 11. 11			-Anna			
To be completed by C Rationale for decision	Capital Planning Group			<u> </u>		
Kationale for decision					Review Cycles 2012-2016	
					2012-2010	
			Date		Template	
	Management with a 1917 March 1917 Annual Control of the Control of	ACTOR OF THE PROPERTY OF THE P	 ************************************	 ************************************		

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Exhibit No.__(KKS-5)
Attachment No.__G-2

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: General

Business Case Name: Central Operating Facility (Mission Campus) Long-Term Restructuring Plan

ER No: ER Name:

7126 Long term Campus Re-Structuring Plan

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$12,500¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	2,085	-	-	-	-	-	-	-	-	-	1	85	2,000
2015	8,500	-	-	-	-	-	-	-	-	-	-	-	8,500
2016	4.000	-	_	_	-	-	_	-	_	-	-	-	4.000

Business Case Description:

Construct a new warehouse in 2012 and remodel the old warehouse in the Service Bldg to accommodate 110 work stations in 2013. The project also adds 125 employee parking spaces. The new warehouse shall utilize current material handling technologies to increase employee efficiencies, and its height will allow more material to be stored per square foot, thus allowing the Company to use limited square space more efficiently. The facility will provide IS/IT infrastructure and networking in north half of the Mission campus where it is currently non-existent, in anticipation of future projects. This project will also allow the HVAC renovation of the north-building wing to be accomplished in one year rather than a staged process, which results in a one-time \$1.2M reduction in capital costs for that project.

Offsets:

No O&M Offsets are listed on the attached Business Case, however O&M savings occur in 2014, 2015 and 2016. These O&M savings are the result of eliminating the need of leased facilities used for personnel that will be relocated to the Mission Campus. In addition, savings are gained due to line trucks and employees not having to travel and off-load waste maters that are recyclable or hazardous. Savings are anticipated to be \$6,000 for three months in 2014, \$77,000 in 2015 and \$21,000 in 2016. The allocation to Washington is 78.64% for Electric and 21.36% for Gas. For 2014, Washington's allocation of these savings is \$4,700 Electric / \$1,300 Gas, \$60,500 Electric / \$16,400 Gas in 2015, and \$16,500 Electric / \$4,500 Gas in 2016. In addition, the attached business case shows "other costs" as (\$1,200,000). These savings are related to capital and are not inclusive of O&M savings.

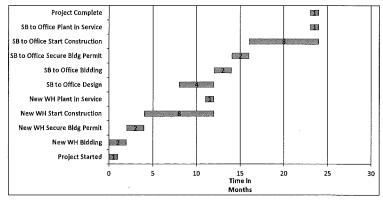
Exhibit No. _ (DCG-20) Dockets UE-150204/UG-150205 Page 102 of 303 Capital Investment Business Case



Exhibit No.__(KKS-5) Attachment No. G-2.1

Investment Name:	COF Long-Term Restructuring Plan										
Requested Amount		essments:									
Duration/Timeframe	5 Year Project Fina	ancial: High - Excee	ds 12% CIRR								
Dept, Area:	Facilities	ntegic: Other									
Owner:	Mike Broemling & Eric Bowles Ope	erational: Operations is									
Sponsor:	Don Kopczynski Bus	iness Risk: ERM Reduct	ion >0 and <= 5								
Category:	Project Pro	ject/Program Risk: High certaint	y around cost, sche	dule and resource	8						
Mandate/Reg. Reference:	n/a Ass	essment Score: 100	5 Cost Su								
Recommend Project Descr	iption:	Performance	Capital Cost	O&M Cost	Other Costs	ERM Risk Score					
110 work stations in 2013. handling technologies to in stored per SF, thus using of networking in north half of This project will also allow year rather than a staged p project. PLEASE SEE ADDI	e in 2012 and remodel the old warehouse in the Service Bldg Also add 125 parking spaces. New warehouse shall utilize cu crease employee efficiencies, and its height will allow for mour limited SF here at the COF more efficiently. Provide Is/IT in the COF where it is currently non-existent, in anticipation of the HVAC rennovation of the north building wing to be accorrocess, which results in a one-time \$1.2M reduction in capita ITONAL EFFICIENCIES UNDER "ADDITIONAL JUSTIFICATIONS" he HVAC savings and any other facility sales or cessation of re	rrent material current space issues by creating on-si office space and parking t loosts for that BELOW. The CIRR	te	\$ -	\$ (1,200,000)	3					
Alternatives:		Performance		O&M Cost	Other Costs	ERM Risk Score					
Status Quo:	COF will continue to not have enough office space and parking accommodate demand. Continue to obtain more leases, but	ng to n/a	\$ -	\$ -	Ś -	6					
	land and construct buildings to house our employees.	y buildings, or buy				and the second s					
Alternative 1: Construct a new warehouse (recommended option)		Alleviates current space issues & new warehouse			\$ (1,200,000)	3					
new warehouse	land and construct buildings to house our employees.	Alleviates current space issues & new warehouse uilding on the Alleviates	\$ 30,000,000		\$ (1,200,000)	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3					

Timeline



Construction Cash Flows (CWIP)

	Capital Cost	O&M Cost	Other Costs	Approved
Previous	\$	\$ -	\$ -	\$ -
2012	\$ 3,050,000	\$255	\$ -	\$ 3,050,000
2013	\$ 7,900,000	\$ +	\$ -	\$ 7,900,000
2014	\$ 1,000,000	\$ -	\$	\$ 1,000,000
2015	\$ 7,500,000	\$ -	\$	\$ 7,500,000
2016	\$ 4,000,000	\$ -	\$ -	\$ 4,000,000
2017	\$ -	\$ -	\$ -	\$ -
2018	\$ -	\$ -	ļ\$ -	\$ -
Future	\$ -	\$ -	\$ -	\$ -
Total	\$ 23,450,000	\$ -	\$ -	\$ 23,450,000

Milestones (high level targets)

August-12 **New WH Start Construction** April-13 New WH Plant In Service May-13 SB to Office Start Construction October-13

June-15 June-15 SB to Office Plant in Service August-15

February-15 Rotor Bidg and Inv Rec Start Rotor Bldg In Service WH Yard #1 Start Const WH Yard #1 and Inv Rec in service February-16 October-16

WH Yard #2 & Wash Bay Start Const WH Yard #2 & Wash Bay In Service

October-14 Waste & Asset Rec Bldg Start Con July-15 GPSS & Spo Const. Remodel: Start Const GPSS & Spo Const. Remodel: In Service May-15 Waste & Asset Rec Bldg in Service March-16

Associated Ers (list all applicable):	7126		Market State of the State of th	Antiches de la contraction de
Mandate Excerpt (if applicable):	n/a			

Sept 2013 changes: \$2.4 M for new IR / Haz Mat area in 2014, \$1.5M for WH Yard and Wash Bay in 2015, \$1.5M in 2015 and \$2M in 2016 for G&P/Spo Construct Remodel. New IR and Hazmat Bldgs will result in time efficiencies for linemen trucks and drop off processes. Increasing the WH storage yard will also result in time efficiencies for WH personnel due to closer material, more level asphalted area (rather than gravel), and controlled (fenced) inventory and stocking. Wash bay will will save time from washing vehicles off site and will prevent frequent freezing/breakdown of current wash bay, Office renovations of Spokane Construction and GPSS will replace a 30 year old HVAC system and increase number of cubicles on campus to accomodate for growth. JULY 2014 CHANGES: (2014 - \$1M) (2015 -\$7.5M) (2016 - \$4M). Hazmat Bidg cost more than expected, and a GPSS storage bidg must be replaced to do the WH storage yard increase.

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Capital Investment Business Case



Exhibit No.__(KKS-5)
Attachment No.__G-2.2

Resources Requirements:	(request forms and	approvals attached)		\$ 10 de april	
Internal Labor Availability: Contract Labor:	Low Probability YES	☐ Medium Probability ☑ High Probability ☐ NO	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	☐ NO or Not Required ☑ NO or Not Required
Key Performance Indicato Expected Performance Improve RPI Measure: 200 180 160 140	ments	of Parking Spaces and Employee 2011 total	Prepared	signature	
120 100 80 60 40 20 0	2012	# of Parking Space Increase # of Employee Workstation Increase	Revlewed Other Party Review (if necessary)	signature	Director/Manager May Study Director/Manager
	(Ameri)	AND AND THE STREET STRE	BUILDING		SERVICE BUILDING
To be completed by Ca Rationale for decision	pital Planning Gr	roup		Date	Review Cycles 2012-2016 Template

Exhibit No. ___ (DCG-20)
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: General

Business Case Name: Structures and Improvements/Furniture

ER No: ER Name:

7001 Structures & Improvements

7003 Office Furniture

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$11,6331

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	575	-	-	-	-	-	-	-	-	-	228	67	279
2015	4,600	390	383	381	382	383	381	391	381	381	383	383	381
2016	3,600	307	299	298	299	300	298	307	297	298	299	300	297

Business Case Description:

This program is for the Capital Maintenance, Improvements, and Furniture budgets at 50 plus Avista offices and service centers (over 700,000 square feet in total). Many of the included service centers were built in the 1950's and 1960's and are starting to show signs of severe aging. The program includes capital projects in all construction disciplines (Roofing, Asphalt, Electrical, Plumbing, HVAC, Energy efficiency projects etc.). This program is driven mainly from the results of an objective building survey completed at each service center. The survey assigns a rating to each building category based on condition. This will help us create capital project lists for each service center and make decisions on continued maintenance vs. future replacement.

Offsets:

There are no anticipated offsets with this business case.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 105 of 303 Capital Program Business Case



Exhibit No.__(KKS-5)
Attachment No.__G-4.1

Investment Name:	Structures and I	mprovements a										
Requested Amount Duration/Timeframe	\$25,773,300 7	Assessments: Financial:	MH - >= 9% & <12% CIRR									
Dept, Area:	Facilities	Life Cycle Programs										
wner: Mike Broemling & Eric Bowles Operational:				- ·	Operations require execution to perform at current levels							
Sponsor: Category:	Don Kopczynski Business Risk: Program Program Risk: ence: n/a Assessment Scori				ERM Reduction >0 and <= 5 High certainty around cost, schedule and resources							
					84 Annual Cost Summary - Increase/(Decrease)							
Recommend Program Desc					Performance	1 200 000 000 000	pital Cost	O&M Cost	Other Costs	Business Risk Score		
This program would be resp 50 plus Avista Offices and So were built in the 50's and 60 Capital projects in all constrefficiency projects etc). The survey completed at each So condition. This will help us ocontinued maintenance vs f	consible for the Capi ervice Centers (over 0's and are starting i uction disciplines (R is program would be ervice Center. The s create capital projec	700,000 sf total), I to show signs of se toofing, Asphalt, Ele e driven mainly froi urvey assigns a rati t lists for each Serv	Many of the inclu vere aging. The p ectrical, Plumbing m the results of a ng to each buildi	ded Service Centers rogram would include ;, HVAC, Energy n objective building ng category based on	Improve operating functionality, increased safety, increased energy efficiency.	\$	25,773,300	Summary - Increas	\$ -	0		
Alternatives:					Performance	Ca	pital Cost	O&M Cost	Other Costs	Business Risk Score		
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Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opti	ons that were cons	sidered	The second of th	describe any incremental changes in operations	\$	•	\$	\$	0		
Program Cash Flows 5 years of costs					Associated Ers (Current ER	(list all i	applicable): 7001	7003				
5 years or costs	Capital Cost	O&M Cost	Other Costs	Approved	Cuirent Lix		7001	7003				
2012	\$ 4,820,000	\$ -	\$ -	\$ 4,420,000		\$ 100						
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2016	\$ 4,000,000	\$ -	\$ -	\$ 3,600,000								
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Z019 Total	\$ 20,820,000	\$ - \$ <u>-</u>	\$ - \$	\$ 3,600,000 \$ 30,453,300								
Mandate Excerpt (if applice provide brief citation of th	7	n and a reference	number if poss	ible								
Additional Justifications: With the completion of the are also working on creating budget is included in this pr	s a long range lifecyo	le plan to identify port various office r	when continued emodels, chair a	maintenance is no long	er prudent and r	eplacen	nent is a more	cost effective solut	ion. In addition, the	office furniture		
Resources Requirements: ()	request forms and a	pprovals attached)							(14) New L			
Internal Labor Availability: Contract Labor:	☐ Low Probability ☑ YES	☑ Medium Probability ☐ NO	☐ High Probability	Enterprise Tech: Facilities; Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	[☑ NO or Not Requi ☑ NO or Not Requi ☑ NO or Not Requi ☑ NO or Not Requi	ired ired				

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
Page 106 of 303
Capital Program Business Case



Exhibit No.__(KKS-5)
Attachment No.__G-4.2

Key Performance Indicator(s) Expected Performance Improvements	
expected Performance improvements KPI Measure: Fill in the name of the KPI here	
Fill in the name of the KPI here	
at an	Prepared signature
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2000	
Base Line 1500 Project FO Rate	
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1000	Director/Manager
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This graph is to provide a place to direct the KPI benefit. Providing a graph is	(if necessary) Director/Manager
recommended to help communicate	
what the project is intended to	
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To be completed by Capital Planning Group	
Rationale for decision	Review Cycles

Date

Template

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: General

Business Case Name: Strategic Initiatives – Battery Storage

ER No: ER Name:

7060 Strategic Initiatives

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$3,500¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	2,062	172	172	172	172	172	172	172	172	172	172	172	172
2016	406	34	34	34	34	34	34	34	34	34	34	34	34

Business Case Description:

The Strategic Initiatives business case contains various projects and programs that align with the Company's strategic goals. The ERs associated with this business case may change depending on the current initiative approved. The current program is for ER 7060 Energy Storage Pullman. Avista has a strong interest in the use of battery technology as a means for augmenting its current portfolio of supply assets in addition to local load management (distributed resources/loads on feeders). Validation of the potential benefits singularly and coincidentally is essential to deployment and expansion in future years. The project will purchase eight (8) storage units (shipping containers), and two (2) Power Control System units. The eight storage units will be filled with an electrolyte containing vanadium suspension, which will maintain an electro-chemical charge.

Offsets:

There are no anticipated offsets with this business case.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.



Exhibit No. ____ (DCG-20) Dockets UE-150204(UG-150205 Page 108 of 303

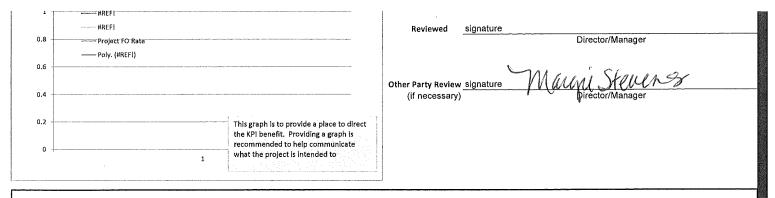
Exhibit No.__(KKS-5)
Attachment No.__G-5.1

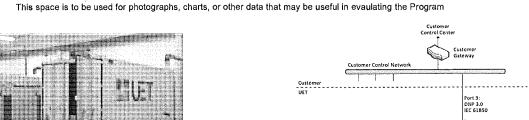
Investment Name:	Energy Storage	Pullman	1974						
Requested Amount	\$		3,800,000	Assessments:					
Duration/Timeframe	3	2014-2016		Financial:	-2.60%				
Dept, Area:	Engineering			Strategic:	Reliability & Ca				
Owner:	Heather Rosentra			Business Risk:		Reduction - None			
Sponsor:	Dennis Vermillion	1		Program Risk:	Wioderate certa	unty around cost,	schedule and reso	urces	
Category:	Productivity n/a			Assessment Score:	22	Annual Cos	t Summary - Increas	a//Dacrassa)	
				Assessment score.			The second second second		n to a nich co
Recommend Program Desc	1811-181			er al	Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Sco
Avista has a strong interest portfolio of supply assets in Validation of the potentials in future years. The project Control System units. The essupension, which will mair result of the matching fund	addition to local loa benefits singularly as t will purchase eight eight storage units w ntain an electro-chei	ad management (d nd coincidentally is (8) storage units (s vill be filled with an mical charge. The	istributed resour. essential to depl shipping contrain electrolyte cont. project, as specif	ces/loads on feeders) oyment and expansion ers), and two (2) Powalning vanadium led, is only possible a	energy storage framework for future	\$ 3,900,000	\$ 84,000	\$.0
						Annual Cos	t Summary - It		
Alternatives:	4-1				Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Scot
Unfunded Program:	Describe the current corrected	nt condition of the	asset(s) and prob	elems that need to be		\$ -	\$ -	\$	0.
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Dockets UE-150204/UG-150205 Capitap Byeging Basingss Case

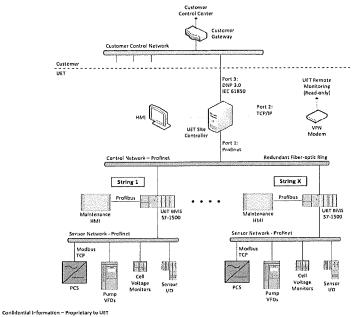


Exhibit No.__(KKS-5) Attachment No.__G-5.2





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	Date	Template

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: General

Business Case Name: Apprentice & Craft Training

ER No: ER Name:

7200 Apprentice Craft Train

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$180¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	5	-	-	-	-	-	-	-	-	-	-	-	5
2015	60	5	5	5	5	5	5	5	5	5	5	5	5
2016	60	5	5	5	5	5	5	5	5	5	5	5	5

Business Case Description:

This program is for on-going capital improvements to support the essential skills needed for journeyman workers, apprentices and pre-apprentices now and for the future. It is important to provide the types of training scenarios that employees face in the field. Capital expenditures under this program include items such as building new facilities or expanding existing facilities, purchase of equipment needed, or build out of realistic utility field infrastructure used to train employees. Examples include: new or expanded shops, truck canopies, classrooms, backhoes and other equipment, build out of "Safe City" located at the Company's Jack Stewart training facility in Spokane, which could include commercial and residential building replicas, and distribution, transmission, smart grid, metering, gas and substation infrastructure.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 111 of 303 Capital Program Business Case

Avista

Exhibit No.__(KKS-5)
Attachment No.__G-6.1

Category: Mandatory 296-05 WAC & Chpt 49 04 RCW Assessment Score: #NAME? Annual Cost Summary - Increase/(Decreas Recommend Program Description: 296-05 WAC & Chpt 49 04 RCW Assessment Score: #NAME? Annual Cost Summary - Increase/(Decreas Recommend Program Description: 296-05 WAC & Chpt 49 04 RCW Assessment Score: #NAME? Annual Cost Summary - Increase/(Decreas Recommend Program Description: 296-05 WAC & Chpt 49 04 RCW Assessment Score: #NAME? Annual Cost Summary - Increase/(Decreas Mandary - Increase)/(Decreas Mandary - Increas	
Recommend Program Description: This program is for on going capital improvements to support the essential skills needed for journey workers, apprentices and pre-apprentices now and for the future. It is important to provide the types of training scenarios that employees face in the field. The program is for capital infrastructure needed to create an effective set-up for training craft employees. Capital expenditures under this program could include items such as building new facilities or expanding existing facilities, purchase or equipment needed, or build out of realistic utility field infrastructure used to train employees. Examples include used and other equipment facilities or expanding existing facilities, purchase or expanded shops, truck canepy, classrooms, backhoes and other equipment, build out of "Safe City" commercial and residential building replicas, and distribution, transmission, smart grid, metering, gas and substation infrastructure." Performance Alternatives: Unfunded Program: Without ability to train in-house, critical craft positions would be difficult to fill. Also, regulating bodies may de-certify our Apprentice program. Inability to train in-house may require extensive travel to fulfill our training obligations to maintain required skillsets. Alternative 1: Brief name of alternative (if applicable) Describe other options that were considered describe any incremental changes in operations Alternative 2: Brief name of alternative 2: Brief name of alternative (if applicable) Describe other options that were considered describe any incremental changes in operations Alternative 3 Name : Brief name of alternative (if applicable) Describe other options that were considered describe any incremental changes in operations Alternative 3 Name : Brief name of alternative (if applicable) Describe other options that were considered describe any incremental changes in operations	se)
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Alternative 1: Brief name of alternative (If applicable) Describe other options that were considered Alternative 3 Name: Brief name of alternative (If applicable) Alternative 1 Describe other options that were considered Alternative 3 Name: Brief name of alternative (If applicable) Alternative 6 Describe other options that were considered Alternative 7 Name 8 Describe other options that were considered Alternative 8 Name 8 Describe other options that were considered Alternative 8 Name 9 Describe other options that were considered Alternative 8 Name 1 Describe other options that were considered Alternative 8 Name 1 Describe other options that were considered Alternative 8 Name 1 Describe other options that were considered Alternative 8 Name 1 Describe other options that were considered Alternative 8 Name 1 Describe other options that were considered Alternative 8 Name 1 Describe other options that were considered Alternative 8 Name 1 Describe other options that were considered Alternative 8 Name 1 Describe other options that were considered Alternative 8 Name 1 Describe other options that were considered Alternative 8 Name 2 Describe other options that were considered Alternative 8 Name 2 Describe other options that were considered Alternative 8 Name 2 Describe other options that were considered Alternative 8 Name 2 Describe other options that were considered Alternative 8 Name 2 Describe other options that were considered	- 2
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Program Cash Flows	District the secretary of the second state of
Capital Cost O&M Cost Other Costs Approved Associated Ers (list all applicable): Previous \$ - \$ - \$ - \$ -	Star Santa
2013 \$ 60,000 \$ - \$ - \$ 60,000	
2014 \$ 60,000 \$ - \$ - \$ 60,000	
2015 \$ 60,000 \$ - \$ - \$ 60,000 2016 \$ 60,000 \$ - \$ - \$ 60,000	
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7200 \$ 60,000 \$ 60,000 \$ 60,000 \$ 60,000 \$ 60,000 \$ 300,000 0 \$ - \$ - \$ - \$ - \$ - \$ -	
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0	orentices is governed by the ship Rules and Act (Chpt 296-05 Il as numerous other Washington
	C/RCW regulations. And by the
	nder Apprentice Labor Standards ald Act-National Apprenticeship
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Key Performance Indicator(s) Expected Performance Improvements KPI Measure: Fill in the name of the KPI here Fill in the name of the KPI here Prepared N Thorson	likely staff will be provided firm committment).

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 112 of 303 Capital Program Business Case

AVISTA

Exhibit No.__(KKS-5)

			Attachment NoG-6.2
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		Other Party Review signa (if necessary)	nature // MMI SYMMS
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0.2	This graph is to provide a place to direct the KPI benefit. Providing a graph is		
	recommended to help communicate		
o 	1 What the project is intended to		
	This space is to be used for photographs, charts, or other data tha	t may be useful in evaulati	ing the Program
be compli	eted by Capital Planning Group		
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assessment			
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Exhibit No.__(KKS-5)
Attachment No.__G-7

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: General

Business Case Name: HVAC Renovation Project at Mission Campus Headquarters

ER No: ER Name:

7101 COF HVAC Improvement

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$12,300¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	3	-	-	-	-	-	-	-	-	-	1	2	-
2015	9,250	-	-	-	-	-	-	-	-	-	-	-	9,250
2016	-	-	_	_	_	_	_	_	_	_	_	-	-

Business Case Description:

The HVAC Renovation Project began in 2007 and 2008. The HVAC Project is a systematic replacement of the original 1956 Heating, Ventilation and Air Conditioning System for the Service Building, Cafeteria/ Auditorium and General Office Building. The original HVAC equipment has been operating 24/7 since original construction in 1956. The Project entails a floor by floor evacuation and relocation of employees and a complete demolition of each floor; including a massive Asbestos Abatement component, and removing the original fire proofing on the basic steel structure. The Project requires exhaustive demolition and reconstruction of each floor. Sustainable energy savings and conservation are built into the Project as we apply for LEED certification for each floor. The 5th, 4th, and 3rd floor has obtained LEED-CI Gold status recognizing all of the renewable strategies we employed during the design and construction phases. The goal of this project is to re-purpose and recycle the entire Facility for the next generation of Avista employees to use for 50 more years. Life cycle costs weighed heavily on our Construction Specifications and equipment choices during the design phase. The design team chose energy efficient equipment that was designed for 30 to 50 year life cycles.

Offsets:

The attached business case does not show reductions in O&M costs. However, after further discussion it was determined that offsets do exist for the HVAC Renovation Project. This project will produce reductions in energy costs of \$66,000 in 2015 and additional reduced energy costs of \$10,000 in 2016. These costs should have been allocated to all services and jurisdictions. However, in the Company's O&M Offset adjustment, they were inadvertently allocated to just Washington Electric and Gas. The correct allocations to Washington are \$32,000 Electric / \$9,500 Gas in 2015 and additional reduced energy costs of \$4,800 WA Electric / \$1,400 Gas in 2016.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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Approved

42,774,485

Avista

Investment Name: **HVAC Renovation Project** \$39,804,485 Assessments: Requested Amount MH - >= 9% & <12% CIRR Duration/Timeframe 8 Year Project Financial Facilities Mangement Life Cycle Programs Strategic: Dept... Area: Mike Broemling & Eric Bowles Operational: Operations improved beyond current levels Owner: Don Kopczynski Business Risk: ERM Reduction >0 and <= 5 Sponsor: Project Project/Program Risk: High certainty around cost, schedule and resources Category 105 Cost Summary - Increase/(Decrease) Mandate/Reg. Reference: n/a Assessment Score Recommend Project Description: Business Risk Score Performance Capital Cost **O&M Cost** Other Costs The HVAC Renovation Project began in 2007 and 2008. The HVAC Project is a systematic replacement of 39.804.485 This Project the original 1956 Heating, Ventilation and Air Conditioning System for the Service Building, Cafeteria/ greatly Auditorium and General Office Building. The original HVAC equipment has been operating 24/7 since improves air original construction in 1956. The Project entails a floor by floor evacuation and relocation of employees quality in the and a complete demolition of each floor; including a massive Asbestos Abatement component, and Facility and removing the original fire proofing on the basic steel structure. The Project requires exhaustive demolition saves and reconstruction of each floor. Sustainable energy savings and conservation are built into the Project as tremendous we apply for LEED certification for each floor. The 5th, 4th, and 3rd floor has obtained LEED-CI Gold status amounts of recognizing all of the renewable strategies we employed during the design and construction phases. The energy going goal of this project is to re-purpose and recycle the entire Facility for the next generation of Avista forward. employees to use for 50 more years. Life cycle costs weighed heavily on our Contruction Specifications and equipment choices during the design phase. The design team chose energy efficient equipment that was designed for 30 to 50 year life cycles. Cost Summary - Increase/(Decrease) **Business Risk Score** Performance Capital Cost O&M Cost Other Costs Alternatives: The current condition of the HVAC system is very poor. It is 60 years old and Varies, but in the 25,000 \$ Status Quo: n/a O our newest equipment was installed in the new addition of the General Office hundreds of Building in 1978, 75% of our equipment was installed in 1956. Parts are no thousands as longer available for our equipment and replacement parts have to be equip, breaks manufactured. down During the Design Phase which occurred in 2008, several different types of Alternative 1: Brief name Updated 0 of alternative (If HVAC delivery systems were compared and analyzed for distinct municipal characteristics, Initial cost and life cycle cost were evaluated for the Project. applicable) codes regulred By Value engineering our choices we were able to settle on our current us to increase system. Analysis is attached. air flow in the The only option that was discussed was to do "nothing", and maintain our 60 25,000 Alternative 2: Brief name describe any Varies, but in the Ś O of alternative (if year old equipment. This scenario had been in place for the last 20 years, and incremental hundreds of applicable) time finally expired on the equipment. It is simply impractical to try to keep thousands as changes in antiqudated equipment up and running 24 hours a day when the replacemen operations equip. breaks parts are no longer available. down.

describe any

incremental

changes In

applicable) Timeline

Alternative 3 Name: Brief

name of alternative (if

Project Complete Plant In Service Construction Start Major Procurement Project Design This chart is pasted from the "Schedule" tab on this Project Plan Project Started 20 40 60 80 100 120 140 160 180 Time in

Describe other options that were considered

Previous	\$ 18,121,485	\$	\$ -	\$ 18,121,485
2012	\$ 4,300,000	\$ -	\$ -	\$ 4,300,000
2013	\$ 6,500,000	\$	\$ -	\$ 8,053,000
2014	\$ 10,000,000	\$ -	\$ -	\$ 6,550,000
2015	\$ -	\$ -	\$ -	\$ 5,750,000
2016	\$ -	\$ -	\$ -	\$.
2017	\$	\$ -	\$.	\$ -
2018	\$ -	\$ -	\$ -	\$.
Future	\$	\$	\$ 22.00	Š

O&M Cost

Other Costs

Construction Cash Flows (CWIP) Capital Cost

38,921,485 \$

7050

Milestones (high level targets)

October-07 5th Flr Start Const. 5th Fir In Service December-08 4th Fir Start Const. March-09 4th Fir In Service February-10 May-10 3rd Fir Start Const.

Jun-11 2nd Flr Start Const. Oct-12 2nd Fir In Service Jan-13 1st Flr/Bsmt Start Const. Mar-14 1st Fir/Bsmt In Service Apr-14 70's Addition Start Const.

7001

Mar-11 3rd Fir in Service Jun-15 70's Addition in Service Associated Ers (list all applicable): Current ER 7101

Mandate Excerpt (If applicable):

ASHRAE- When upgrading HVAC Systems, all design has to conform to ASHRAE standards, and air flows are regulated by the Washington Administrative code (WACS).

7003

Additional Justifications:

Page 1 of 2

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
Page 115 of 303
Capital Investment Business Case

Page 1 Capital Investm

Exhibit No.__(KKS-5)
Attachment No.__G-7.2

Resources	Requirements: (request farms	and approvals attached)					
Internal Lab Contract La	bor Availability: Low Probability abor: YES	/ ☐ Medium Probability ☐ NO	☑ High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	✓ YES - attach form ✓ YES - attach form ☐ YES - attach form ☐ YES - attach form	NO or Not Required NO or Not Required ✓ NO or Not Required ✓ NO or Not Required	Check the appropriate box. The internal and contract labor boxes should be checked to indicate if the resource owners have been contacted and to provide a general
		ne of the KPI here ne of the KPI here					sense of how likely staff will be provided (this does not require a firm commitment).
1000	Outage Hours			Prepared	signature		and the same of th
600	Target ——Project FO Rate			Reviewed	signature	Direct	or/Manager
200						Direct	on/wanage
-200	2004 2005 2006 2007	This graph is to provide a the KPI benefit. Providing recommended to help cor what the project is intend.	a graph is nmunicate	Other Party Review (if necessary)		Mayu St Direct	WV-3 lor/Manager
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Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
Page 116 of 303

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: General

Business Case Name: New Deer Park Service Center

ER No: ER Name:

7135 Deer Park Service Center

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$2,500¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	2,750	-	-	-	-	-	-	-	-	-	-	-	2,750
2016	-	-	-	-	-	-	-	-	-	-	-	-	-

Business Case Description:

Replace existing Deer Park Service Center. Current building is over 40 years old, and existing storage yard is becoming too small for ever-growing inventory. Environmental concerns with existing site located near railroad tracks, and close proximity to city water well. Presently cleaning up existing soil contamination, and prolonged remaining at site could lead to environmental spills in the future. The existing building is tight for current line truck sizes, warehouse is undersized, and has code compliance and security issues. Deer Park is one of our lower-performing service centers on the Facilities Building Survey Report.

Offsets:

No O&M offsets are presented on the attached copy of the Business Case, however after further discussion it was determined that \$16,000 of annual savings will occur in 2015. Savings are from facilities energy and maintenance savings including employee efficiencies due to larger facilities and more spacious storage yard. Of the \$16,000, Washington's portion of this is \$12,583 Electric and \$2,688 Gas. This has been included in the O&M Offsets adjustment as shown in Company witness Mrs. Andrews' workpapers.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 117 of 303 Capital Project Business Case



Exhibit No.__(KKS-5)
Attachment No.__G-9.1

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Exhibit No. ___ (DCG-20)
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Page 118 of 303
Capital Project Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__G-9.2

Key Performance Indicator(s) Expected Performance Improvements				
KPI Measure: Fill in the nam Fill in the nam	e of the KPI here e of the KPI here			
1.2 #REFI				
0.8 #REFI		Prepared	signature	Vance Ruppert
0.6		Reviewed	signature	Eric Bowles Director/Manager
0.2		Other Party Review	v signature	Munil Sklvers
0	1	(if necessary)	Director/Manager
This space is	s to be used for photographs, charts, or other	r data that may be useful in e	vaulating the Pro	pject
	F			
To be completed by Capital Planning	g Group			
Rationale for decision				Review Cycles 2012-2016
		Date		Template

Exhibit No.__(KKS-5)
Attachment No.__G-10

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: General

Business Case Name: Central Office Facility – Mission Campus ("COF") Long-term Restriction Phase 2

ER No: ER Name:

7131 COF Long Term Restructuring Plan Phase 2

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$5,000¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014													
2015	2,000	-	-	-	-	-	-	-	-	-	-	-	2,000
2016	-	-	-	-	-	-	-	-	-	-	-	-	-

Business Case Description:

COF Long Term Restructuring Plan, Phase 2. This project involves the construction of a new Fleet Vehicle Garage and 4-story parking structure. By the end of 2015, Facilities projects will add approx. 183 new cubicles. Our parking lots will be beyond max capacity. The Fleet Garage is over 50 yrs old and is constrained. New garage will allow for maintenance of Compressed Natural Gas vehicles as the current bldg does not allow for this. Once Fleet is relocated there will be a distinct separation between operational/service vehicles and employee vehicle. This separation will increase safety by eliminating intermingling of pedestrians in work areas. Office building & parking garage is projected to allow Call Center and any leased facilities to come back to Mission campus. Ross Park conversion to office will secure any future employee expansion that will occur.

Offsets:

There are no offsets presented on the attached Business Case, however we anticipate in increase in O&M costs related to this project occurring in 2015 and 2016 related to the need for additional parking at our Mission Campus. The amount included for the increase in O&M costs is \$11,000 in both 2015 and 2016 for a total of \$22,000. After final revenue requirements were established, it was determined that these costs should be allocated to all services and jurisdictions rather than just to Washington Electric and Gas. Washington's correct allocation of these costs are \$10,600 Electric and \$3,100 Gas.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 120 of 303 Capital Project Business Case

Avista

Exhibit No.__(KKS-5)
Attachment No.__G-10.1

Investment Name:	COF LngTrm Re	estruct Ph2		Assessments:								
Requested Amount Duration/Timeframe	\$43,500,000	Year Project		Financial:	7.00%							
Dept, Area:	Facilities			Strategic:	Other				454555			
Owner:	Mike Broemling a	and Eric Bowles	37.	Business Risk:		Reduction >10 and						
Sponsor:	Don Kopczynski			Project Risk:	High certainty	around cost, sched	ule and resources					
Category: Mandate/Reg, Reference:	Project n/a			Assessment Score:	#NAME?	Annual Cost	Summary - Increas	e/(Decrease)	1			
Recommend Project Descr	and the second s			[Assessment score:	Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score			
COF Long Term Restructuring P reroute Crescent Ave. to make Service Bldg to Office Space, an projects will add approx. 183 no old and is constrained by its dir of CNG vehicles, current bldg d vehicles and Administrative Em	Plan, Phase 2. Increase one contiguous lot, co nd increase parking lot ew cubicles. Our parking ins from our ever enlar loes not allow this. Onc aployees and vehicles.	nstruct new Fleet / Se size and build 2-story ng lots will be beyond i ging vehicles and line te Fleet is moved, a dis Separation will increas	rvice Shops Building parking structure. B max capacity. The Fl trucks. New garage itinct separation b/r e safety by eliminat	, convert all of 1950's y end of 2015 Facilities eet Garage is over 50 yrs will allow for maintenance i Operations / Service ing intermingling of	State of the art fleet building. Service vehicles contained to north campus. Employee vehicles near	\$ 47,500,000						
nedestrians in work areas. Offi	ce huilding & parking g	arage is projected to a	illow Call Center and	d any leased facilities to	main GOB.	Annual Cost	Summary - Increas	e/(Decrease)				
Alternatives:					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score			
Unfunded Project:	enforce parking regula cars to desks. All CNG	ations if this occurs. Add vehicles will have to be I time. Continued renta	fed 5-to-10 minutes maintained at Dolla	f Spokane Will probably walk time from employee r Road Fleet Bldg, with its les off site of COF for Avista	n/a	Section 1994 Age of the control of t	***	\$	15			
Alternative 1: Brief name of alternative (If applicable)	Build extra parking	g lot on Ross Court (ee load. Inconvenie		O add'l spaces req'd. to walk times for	describe any incremental changes in operations	\$ 2,000,000	\$ 20,000	\$				
Alternative 2: Brief name of alternative (if applicable)	A STATE OF THE PARTY OF THE PAR	Ilding off-site. Purch ncies greatly increa		onstruction. Travel	describe any incremental changes in operations	\$ 7,000,000	\$ 20,000	\$	O State of the Control of the Contro			
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other op	tions that were con	sidered	The control of the co	describe any Incremental changes in operations	\$ 2	\$	\$	0			
						•						
Program Cash Flows	Capital Cost	O&M Cost	Other Costs	Approved	1	Associated Ers (list	all annlicable)	1000	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
Previous		\$ -	\$ -	\$		7126						
2013		\$ -	\$	\$ 10-								
2014			\$ -	\$ 590,000	-							
2015 2016			\$ -	\$ 1,410,000 \$ 3,000,000								
2017 2018 2019 Total	9,000,000 3 \$ 14,000,000 5 15,000,000			\$ 9,000,000 \$ 14,000,000 \$ 15,000,000 \$ 43,000,000	see note unde	r add'i justification						
ER	2013	2014	2015	2016	2017	Total	Mandate Excerpt (
7126	\$ -	\$ 500,000	\$ 2,000,000 \$ -	\$ 3,000,000	\$ 38,000,000 SEE NOTE	\$ 43,500,000		tation of the law or rence number if po				
0	\$ -	\$ -	\$ -	\$	UNDER ADD'L	\$ -	1010	rendo number a pe	700,010			
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0	\$ -	\$ -	\$ -	\$ -	\$	\$ -	adjacent lots), \$2N	/In 2015 (finish pu	rchase adjacent lots)			
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0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
Total	\$ -	\$ 500,000	\$ 2,000,000	\$ 3,000,000	\$ 38,000,000	\$ 43,500,000						
Milestones (high level April-16 September-16 January-16 December-16 April-17 May-18	targets) Ross Court parkin Ross Court parkin Fleet Bldg Start Co fleet bldg in servic Park garage & offi Park garage & offi	g in service onstruction e ce start const.	Commence of the second	8 Ross Park convert to 9 Ross Park convert to		ruction		Use your jud	hould be general. gement on project that progress can			
Resources Requirements: Internal Labor Availability: Contract Labor:		approvals attached, Medium Probability	High Probability			NO or Not Required NO or Not Required			NO or Not Required NO or Not Required			

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 121 of 303 Capital Project Business Case

AVISTA

Exhibit No.__(KKS-5) Attachment No.__G-10.2

		•	
Key Performan			
	ince Improvements		
KPI Measure:	Fill in the name of the KPI here		
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	#REFI		
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To be comple	ited by Capital Planning Group		
Rationale fo			Review Cycles

Date

Review Cycles 2012-2016

Template

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
Page 122 of 303

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Natural Gas Distribution

Business Case Name: Aldyl A Replacement

ER No: ER Name:

3008 Aldyl -A Pipe Replacement

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$50,905¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	4,342	-	-	-	-	-	-	-	-	-	1,549	640	2,153
2015	16,817	967	906	1,043	1,197	1,497	1,485	1,409	1,625	1,630	1,642	1,203	2,213
2016	17,385	1,000	937	1,078	1,238	1,548	1,535	1,456	1,680	1,685	1,697	1,244	2,288

Business Case Description:

This program covers the replacement of 730 miles of pre-1987 Aldyl A mains and the remediation of 16,000 bending stress sites on services tapped from steel main. Due to the tendency for this material to suffer brittle-like cracking leak failures, Aldyl A will eventually reach a level of unreliability that is not acceptable. Please also see Company witness Labolle for further details regarding this program.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 123 of 303 Capital Program Business Case

AVISTA

Exhibit No.__(KKS-5) Attachment No.__NGD-1.1

	Aldyl A Replace	ment_mains and	l bending stres	Assessments:					
Duration/Timeframe		Year Program		Financial:	Medium - >= 5	% & <9% CIRR		12	
	Gas Delivery			Strategic:	Life Cycle Prog				
	Mike Faulkenberr			Operational:		uire execution to p	erform at current	leveis	
-1 ,	Don Kopcyzynski		20 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	Business Risk: Program Risk:		n >5 and <= 10 around cost, sched	lule and resource	9	
• .	Program			Assessment Score:	1 light certainty	The state of the s	Summary - Increa	CONTRACTOR OF THE PARTY OF THE	calestycoper too saltsaa, History Bases,
Mandate/Reg. Reference: Recommend Program Desc	CONTRACTOR AND ADDRESS OF THE ADDRES			TASSESSITIENT DEOLET	Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
This program covers the rep	CONTRACTOR OF THE PROPERTY OF	iles of pre-1987 Al	dyl A mains and t	ne remediation of	As Aldyl A is	\$ 10,250,000	\$ -	\$ -	5
16,000 bending stress sites					removed, O&M				500 C
suffer brittle-like cracking le					expense				
acceptable. There is a pote				perty and there is a	associated with				
high likelihood of increasing	g regulatory scrutiny	from increasing f	ailures.		repairing the				
					increasing leaks will be				
					eliminated in				
					proportion				
							Summary - Increa		
Alternatives:			E 150 C 100		Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
Unfunded Program:				es is modeled to result				\$ 3,000,000	15
	in more than 13 ca and Oregon, the co			one. Extended to Idaho					
				60MM over a 20 year					
	period, an average								
Alternative 1: Brief name				in and remediate 800	As Aldyl A is	\$ 17,552,196	\$ (60,000)) \$ -	5
of alternative (if				ng. Modeling suggests					
applicable)	FOR THE STREET, STREET			3 catastrophic events	A CONTRACTOR AND SERVICE				
				ed approach to remove may be possible to	associated with repairing the				
	avoid any incidents	The second secon	ard to age only it	may be possible to	increasing leaks				
					will be				
					eliminated in				
					proportion				
Alternative 2: Brief name	Describe other opt	ions that were cor	sidered		describe any	\$ -	\$ -	\$ -	0
of alternative (if					incremental				
applicable)					changes in				
			-111		operations	# 1000000000000000000000000000000000000	\$ 252	\$ -	0
Alternative 3 Name: Brief	Describe other opt	ions that were cor	isiaerea		describe any incremental	\$ -	\$ -	9	
name of alternative (if applicable)					changes in				
					operations				
Program Cash Flows			1,000			(list all applicable):			
5 years of costs	Capital Cost	O&M Cost	Other Costs	Approved	Current ER				Name and the second second second
	Capital Cost	- CON-	0.000	Терголо					T
2012	\$ 5,000,000	\$ -	\$ -	\$ 5,000,000					
2013		\$	\$ -	\$ 12,710,904				-	
2014		\$ -	\$ -	\$ 16,702,196					
2015		\$ -	\$ - \$ -	\$ 16,817,429 \$ 17,385,272					
2016 2017		\$ -	\$ -	\$ 18,262,977					
2017		\$ -	Š -	\$ 18,648,237	270				
2019	\$	\$ -	\$ -	\$ 19,062,221					
Total	\$ 69,504,897	\$ -	ļ\$ -	\$ 124,589,236					
		d							
	2% inflation includ	ded in above numb	ers						
Mandate Excerpt (if applica								g 191000	
provide brief citation of th	ne law or regulatio	n and a reference	number if poss	sible					
	<u>alle man kompositionesse transfera</u>								
Additional Justifications:							5 FILES	0.00	
Avista has experienced 2 in									
Commission. Further event								g a proactive and prio	rity-justified
approach is critical at this t	ime to protect life a	ing property for th	e public as Well a	s reduce Avista's expos	ure to the risks of	nability and regulat	ory scrutiny.		
A Department of the second of		, merchaptic need 10 to 10 to 10 to 10 to	<u>ja grada sinda da da big</u>	<u>ngang sanjang ng Sigra-QNA Sila</u>	ogoso Asiji Njetta, rajšioje	<u> 19. junius Esta Sala de DECAS Antonio</u>	y volumentary (1905 metro) (1905)	og sage-seed state (figlis)	
Resources Requirements: (request forms and c	approvals attached	0						100
		- The state of the					Chark tha	appropriate box. The i	nternal and contract
Internal Labor Availability:	✓ Low Probability	Medium Probability	☐ High Probablity	Enterprise Tech:	YES - attach form	NO or Not Req		es should be checked to	

Facilities:

Capital Tools:

YES - attach form

YES - attach form

NO or Not Required

NO or Not Required

Contract Labor:

✓ YES

□ NO

resource owners have been contacted and to provide a general sense of how likely staff will be provided

Avista

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 124 of 303 Capital Program Business Case

Exhibit No.__(KKS-5) Attachment No.__NGD-1.2

Fleet:	YES - at

YES - attach form

NO or Not Required

(this does not require a firm committment).

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205

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Exhibit No.__(KKS-5) Attachment No.__NGD-1.3

AT	B.F.	5	TA	ľ
Warm 173	2007 W	-	69 80%	

Business Case Idyl A Replacement mains & bending tress tees)	2015 ERM Risk Reduction	202	Year Revised Risk	2025 2030 Financial Impact (Consequential Costs (Revenues) 3 - \$2MM - \$4MM Environmental		Prepared signature Reviewed signature T Party Review signature (If necessary) Unfunded Project/Program Risk (no funding if a project Program Risk (no funding if a project Program Risk (no funding if a project Project Program Risk (no funding if a project Project	ct, cease funding if a	irector/Manager WWWS irector/Manager Customer Service and Reliability (# customers * duration of an outage) Sefety and Health: Employee 2 - Potential for minimal or minor injury (Lost Time Incident and Seventy Rate Increases	Likelihood Likelihood
Business Case	2015 ERM Risk Reduction	202	20 Year	2025 2030 Financial impact (Consequential Costs/Revenues) 3 - \$2MM - \$4MM	2095 Ukelihood <once td="" year<=""><td>Unfunded Project/Program Risk (no funding if a proje Legal, Regulatory, External Business Affairs 4 - Patential for regulators to Impose enerous restrictions or Board or management to make leadership change Safety and Health; Public 5 - Potential for multiple loss of lives Wilde spread damage on property or business</td><td>ct, cease funding if a</td><td>Irector/Manager In existing program) Customer Service and Reliability (If customers * duration of an outage) Sefety and Health: Employee 2 - Potential for minimal or minor injury</td><td></td></once>	Unfunded Project/Program Risk (no funding if a proje Legal, Regulatory, External Business Affairs 4 - Patential for regulators to Impose enerous restrictions or Board or management to make leadership change Safety and Health; Public 5 - Potential for multiple loss of lives Wilde spread damage on property or business	ct, cease funding if a	Irector/Manager In existing program) Customer Service and Reliability (If customers * duration of an outage) Sefety and Health: Employee 2 - Potential for minimal or minor injury	
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2010 Business Case Idyl A Replacement nains & bending	ERM Risk Reduction	Unfunded	Year Revised Risk	Financial Impact (Consequential Costs/Revenues) 3 - \$2MM - \$4MM	2095 Ukelihood <once td="" year<=""><td>Unfunded Project/Program Risk (no funding if a proje Legal, Regulatory, External Business Affairs 4 - Patential for regulators to impose enerous restrictions or Board or management to make leadership change Safety and Health; Public 5 - Potential for multiple loss of lives Wide spread damage on property or business</td><td>ct, cease funding if a</td><td>Irector/Manager In existing program) Customer Service and Reliability (If customers * duration of an outage) Sefety and Health: Employee 2 - Potential for minimal or minor injury</td><td></td></once>	Unfunded Project/Program Risk (no funding if a proje Legal, Regulatory, External Business Affairs 4 - Patential for regulators to impose enerous restrictions or Board or management to make leadership change Safety and Health; Public 5 - Potential for multiple loss of lives Wide spread damage on property or business	ct, cease funding if a	Irector/Manager In existing program) Customer Service and Reliability (If customers * duration of an outage) Sefety and Health: Employee 2 - Potential for minimal or minor injury	
2010 Business Case dyl A Replacement tains & bending	ERM Risk Reduction	Unfunded	Year Revised Risk	Financial Impact (Consequential Costs/Revenues) 3 - \$2MM - \$4MM	2095 Ukelihood <once td="" year<=""><td>Unfunded Project/Program Risk (no funding if a proje Legal, Regulatory, External Business Affairs 4 - Patential for regulators to impose enerous restrictions or Board or management to make leadership change Safety and Health; Public 5 - Potential for multiple loss of lives Wide spread damage on property or business</td><td>Ukelihood </td><td>Customer Service and Reliability (If customers * duration of an outage) Safety and Health: Employee 2 - Potential for minimal or minor injury</td><td></td></once>	Unfunded Project/Program Risk (no funding if a proje Legal, Regulatory, External Business Affairs 4 - Patential for regulators to impose enerous restrictions or Board or management to make leadership change Safety and Health; Public 5 - Potential for multiple loss of lives Wide spread damage on property or business	Ukelihood	Customer Service and Reliability (If customers * duration of an outage) Safety and Health: Employee 2 - Potential for minimal or minor injury	
2010 Business Case dyl A Replacement tains & bending	ERM Risk Reduction	Unfunded	Year Revised Risk	Financial Impact (Consequential Costs/Revenues) 3 - \$2MM - \$4MM	2095 Ukelihood <once td="" year<=""><td>Unfunded Project/Program Risk (no funding if a proje Legal, Regulatory, External Business Affairs 4 - Patential for regulators to impose enerous restrictions or Board or management to make leadership change Safety and Health; Public 5 - Potential for multiple loss of lives Wide spread damage on property or business</td><td>Ukelihood </td><td>Customer Service and Reliability (If customers * duration of an outage) Safety and Health: Employee 2 - Potential for minimal or minor injury</td><td></td></once>	Unfunded Project/Program Risk (no funding if a proje Legal, Regulatory, External Business Affairs 4 - Patential for regulators to impose enerous restrictions or Board or management to make leadership change Safety and Health; Public 5 - Potential for multiple loss of lives Wide spread damage on property or business	Ukelihood	Customer Service and Reliability (If customers * duration of an outage) Safety and Health: Employee 2 - Potential for minimal or minor injury	
2010 Business Case dyl A Replacement talns & bending	ERM Risk Reduction	Unfunded	Year Revised Risk	Financial Impact (Consequential Costs/Revenues) 3 - \$2MM - \$4MM	Ukelihood <once td="" year<=""><td>Legal, Regulatory, External Business Affairs 4 - Potential for regulators to Impose enerous restrictions or Board or management to make leadership change Safaty and Health: Public 5 - Potential for multiple loss of lives Wide spread damage on property or business</td><td>Ukelihood </td><td>Customer Service and Reliability (If customers * duration of an outage) Safety and Health: Employee 2 - Potential for minimal or minor injury</td><td></td></once>	Legal, Regulatory, External Business Affairs 4 - Potential for regulators to Impose enerous restrictions or Board or management to make leadership change Safaty and Health: Public 5 - Potential for multiple loss of lives Wide spread damage on property or business	Ukelihood	Customer Service and Reliability (If customers * duration of an outage) Safety and Health: Employee 2 - Potential for minimal or minor injury	
iyl A Replacement ains & bending	Reduction			(Consequential Costs/Revenues) 3 - \$2MM - \$4MM	< Once / year	Legal, Regulatory, External Business Affairs 4 - Potential for regulators to Impose enerous restrictions or Board or management to make leadership change Safaty and Health: Public 5 - Potential for multiple loss of lives Wide spread damage on property or business	Ukelihood	Customer Service and Reliability (If customers * duration of an outage) Safety and Health: Employee 2 - Potential for minimal or minor injury	
iyl A Replacement ains & bending		Raw Score	Raw Score	(Consequential Costs/Revenues) 3 - \$2MM - \$4MM	< Once / year	4 - Potential for regulators to Impose onerous restrictions or Board or management to make leadership change Safety and Health: Public 5 - Potential for multiple loss of lives Wide spread damage on property or business	c Once / year Likelihood	(# customers * duration of an outage) Safety and Health: Employee 2 - Potential for minimal or minor injury	
ains & bending						restrictions or Board or management to make leadership change Safety and Health: Public S-Potential for multiple loss of lives Wide spread damage on property or business	Likelihood	2 - Potential for minimal or minor injury	Likelihood
ains & bending				Environmental	Ukelihood	Safety and Health; Public 5 - Potential for multiple loss of lives Wide spread damage on property or business		2 - Potential for minimal or minor injury	Likelihood
ains & bending					}	Wide spread damage on property or business	l< Once / year		l
ains & bending			1	ALON MINE THE PROPERTY OF THE PARTY OF THE P		Public health infrastructure impact up to 72 hours	1	year over year	< Once / 5 year
						Revised Risk if funded/	completed		
	15	20	5	Financial impact (Consequential Costs/Revenues)	Likelihood	Legal, Regulatory, External Business Affairs	Ukelihood	Customer Service and Reliability (# customers * duration of an outage)	Likelihood
				3 - \$2MM - \$4MM	Conce / 50 years	3 - Could result in a sustained negative impact to s local, online, or industrial relationships and / or national / global media coverage	< Once / 50 years	American Control of Co	
				Environmental	Ukellhood	Safety and Health: Public	Ukelihood	Safety and Health: Employee	Likelihood
						S - Potential for multiple loss of lives Wide spread damage on property or business Public health infrastructure Impact up to 72 hours	< Once / 50 years	2 - Potential for minimal or minor injury Lost Time incident and Severity Rate increases year over year	< Once / 50 yea
UTC Docket UC	G-120715	Commis	sion Policy	on Accelerated Rep	lacement of Pi	ions based on new models and informa peline with Elevated Risk was issued or d in Oregon with NWNG.		31, 2012. The new policy will	

Rationale for decision		Review Cycles
		2012-2016
	Date	Template

Exhibit No. ___ (DCG-20)
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Natural Gas Distribution

Business Case Name: Cathodic Protection

ER No: ER Name:

3004 Cathodic Protection-Minor Blanket

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$2,6501

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	210	-	-	-	-	-	-	-	-	-	11	123	75
2015	950	44	43	58	67	80	102	100	100	100	89	73	97
2016	1,000	47	45	61	70	84	106	104	105	105	94	76	104

Business Case Description:

This program will replace existing and install new cathodic protection systems to ensure compliance with 49 CFR 192, Subpart I - "Requirements for Corrosion Control" that requires pipelines be protected against external corrosion by means of a cathodic protection system. This program will ensure appropriate cathodic protection levels are maintained, reduce corrosion related failures, help prevent leaks within steel pipeline systems and enhance public safety.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Capitap நூரு நேரிஞ்சை Case

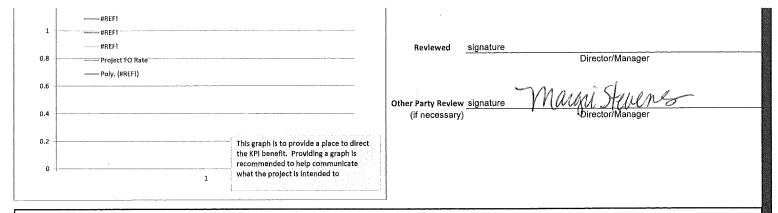
AVISTA

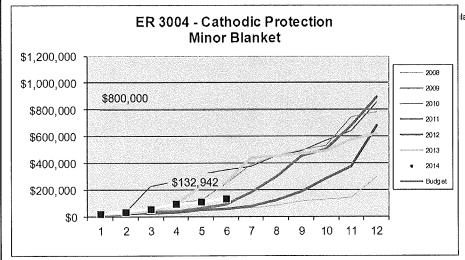
Exhibit No.__(KKS-5)
Attachment No.__NGD-2.1

Investment Name:	Cathodic Protect	tion, Natural Gas	Ngga da]					
Requested Amount	\$950,000			Assessments:					
Duration/Timeframe	on-going	Year Program		Financial:	9.00%				
Dept, Area:	Gas Operations		· · · · · · · · · · · · · · · · · · ·	Strategic:	Reliability & ca		10		
Owner:	Mike Faulkenbern	У		Business Risk:		Reduction >5 and		trann	
Sponsor:	Don Kopczynski Mandatory		 	Program Risk:	woderate certa	ainty around cost, s	chequie and resor	11005	
Category:	49 CFR 192, Subi	nort I "Pequirer	ente for Corroei	Accorement Searce	138	Annual Cost	: Summary - Increas	o/(Decrease)	
Mandate/Reg. Reference: Recommend Program Desc		parti- Requiren	ients for Contosi	Assessment score.	dam Latinopal County, Science Landon	. Production and material services and a service	Contraction of the Contract of	expenses and a second	Design Clark
					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score 4
This annual program will re					describe any	\$ 950,000	\$ -	\$ -	
compliance with 49 CFR 193					1				
protected against external					ure changes that this Program				
appropriate cathodic prote leaks within steel pipeline s			rosion relateural	idles, neip prevent	would benefit				
leaks within steel bibeline s	ystems and emilance	: public salety.			present				
					operations				
		<u> </u>		<u> </u>	1 Operations	Annual Cost	Summary - Increas	e/(Decrease)	
Alternatives:					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
Unfunded Program:	Avista would be out	t of compliance in	portions of its gas	distribution system		\$ -	\$ -	\$ -	12
Alternative 1: Project as	Install new and rep	lace existing catho	dic protection sys	tem.	describe any	\$ 800,000	\$ -	\$ -	4
described abave.		1 1 1 1 1 1 1 1 1 1			incremental	Mark Control			
					changes in				
1 1					operations				
Alternative 2: Brief name	Describe other opti	ons that were con	sidered		describe any	\$ -	\$ -	\$ -	0
of alternative (if					incremental	·		1	
applicable)					changes in				
					operations				
Alternative 3 Name : Brief	Describe other opti	ons that were con	sidered		describe any	\$ -	\$ -	\$ -	0
name of alternative (if					incremental	'			
applicable)					changes in				
,					operations				
Program Cash Flows									
· · · · · · · · · · · · · · · · ·	Capital Cost	O&M Cost	Other Costs	Approved	le on i	Associated Ers (list	all applicable):		
Previous	\$ 500,000	\$ -	\$ -	\$ 500,0	000	3004			:
2014	\$ 800,000	\$ -	\$ -	\$ 700,0	000				
2015	\$ 950,000	\$ -	\$ -	\$ 950,0	000				
2016	\$ 1,000,000	\$ -	\$ -	\$ 1,000,0	000				
2017	\$ 1,250,000	\$ -	\$ -	\$ 1,250,0	000				
2018	\$ 1,250,000	\$	\$ -	\$ 1,250,0					
2019	\$ 1,250,000	\$ -	\$ -	\$ 1,250,0	000				
2020+			\$	\$ -					
Total	\$ 8,250,000	\$ -	-	\$ 6,900,0	000				
	No. 100	F	- Charles		erond bosmonic		Touresti et anno est es	oz szementeni	
ER	2014	2015	2016	2017	2019	Total	Mandate Excerpt (vided in paragraphs
3004	\$ 950,000	\$ 1,000,000	\$ 1,250,000	\$ 1,250,0	1	\$ 5,700,000	(h) (c) and	(f) of this section,	each buried or
0	\$ -	\$ -:	\$ -	\$ -		\$	submerged pipel	ine installed after	July 31, 1971, must
0	2 -	\$ -	6 -	ξ .	. \$.	\$ -			sion, including the
0	\$ -	\$ -	\$ -	\$ -	. \$ -	\$ 1.000 000 -000	following:	(2) It must have	(cont. below)
0	\$ -	\$ -	\$ -	\$ -		\$100000000000400	1		
0	\$ -	\$ -	\$ -	\$ -		\$			
0	\$ -	\$ -	\$ -	\$ -		\$	Additional Justifica		
0	\$ -	\$ -	\$ -	\$.		\$ -	a cathodic prot	ection system desig	ned to protect the
0	\$ -	\$ -	\$ -	\$ -	. \$ -	\$	pipeline in acco	rdance with this sub	part, installed and
0	\$ -	\$ -	\$ -	\$ -		\$ -	placed in opera	ition within 1 year a	fter completion of
0	\$ -	\$ -	\$ -	\$		\$ 200 100 100 -01	1	construction.	
0	\$ -	\$ -	\$ -	\$		\$ -			
0	\$ -	\$ -	\$ -	\$ -	- Y	\$ -			
0	\$ -	\$ -	\$ -	\$.		\$			
0	\$ -	\$ -	\$ -	\$ -	Y	\$			
Total	\$ 950,000	\$ 1,000,000	\$ 1,250,000	\$ 1,250,0	000 \$ 1,250,000	\$ 5,700,000	<u> </u>		
		and the same and t	 Description of the control of the cont						panga palak giga pantengan pengenganan
Resources Requirements: (request forms and a	pprovals attached,)				101		
	_	_		en and a marks				ppropriate box. The i	
Internal Labor Availability:		Medium Probability	☐ High Probability	Enterprise Tech:	YES - attach form		IdDOI DOXES	should be checked to	
Contract Labor:	✓ YES	□ NO		Facilities:	YES - attach form			vners have been conta	
				Capital Tools:	YES - attach form		1 . 7	ense of how likely staf ot require a firm com	
				Fleet:	YES - attach form	n 🗹 NO or Not Req	uired (triis does n	or reduite a titti com	micincing.
Types a magazine to consider a residence to	delana a mana								
Key Performance Indicator									
Expected Performance Improver KPI Measure:	nents Fill in the name of t	ha KDI hare	_T,	1					
NET INCOSULE.	Fill in the name of t			†					
	, in the name of t				Prepared	signature			
1.2									

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Exhibit No.__(KKS-5) Attachment No.__NGD-2.2





lating the Program

be completed by Capital Planning Group Rationale for decision		Review Cycles
		2012-2016
	Date	Template

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Dockets UE-150204/UG-150205
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Natural Gas Distribution

Business Case Name: Gas Non-Revenue Program

ER No: ER Name:

3005 Gas Distribution Non-Revenue Blanket

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$18,600¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	1,060	-	-	-	-	-	-	-	-	-	248	143	669
2015	7,664	627	472	506	655	620	633	765	653	656	761	559	757
2016	8,595	714	552	584	736	696	704	843	725	729	841	635	835

Business Case Description:

This annual program will replace sections of existing natural gas piping that require replacement to improve the operation of the gas system but are not directly linked to new revenue. The program includes replacement of pipe and facilities that are at the end of their useful life or have failed. It includes improvements in equipment and/or technology to enhance system operation and/or maintenance, replacement of obsolete facilities, replacement of main to improve cathodic performance, and projects to improve public safety and/or improve system reliability. Starting in 2014, costs associated with the labor and minor materials to complete the Planned Meter Change-out ("PMC") program will no longer be captured in this Business Case, they will be on the "Gas PMC Program".

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 130 of 303 Capital Program Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__NGD-3.1

Investment Name:	Gas Non-Revenu	ie Program									
Requested Amount	\$5,600,000	V L Walter State		Assessments:	Adadisa Sa S	o, o .	ne/ CIDD				
Duration/Timeframe	On-Going	Year Program		Financial: Strategic:	Medium - >= 5' Reliability & Ca	Commission of the	Carried Control of the Control of th				
Dept, Area: Owner:	Gas Operations Mike Faulkenberr	·		Operational:	Operations req			erform at cu	rent le	vels	
Sponsor:	Don Kopczynski			Business Risk:	ERM Reduction						
Category:	Program			Program Risk:	Moderate certa	inty a	round cost, s	chedule and	resour	ces	
Mandate/Reg. Reference:				Assessment Score:	89		Annual Cost	Summary - In	crease/	(Decrease)	
Recommend Program Desc	ription:				Performance	Ca	ipital Cost	O&M Co	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND	Other Costs	Business Risk Score
This annual program will re operation of the gas system replacement of pipe and fac	but are not directly	linked to new revenue	. The progran	n includes	describe any incremental changes that	\$	5,600,000	\$			8
improvements in equipmer replacement of obsolete far improve public safety and/o and minor materials to com will be on the "Gas PMC Pro the historical spend has bee	cilities, replacement or improve system re iplete the PMC prog ogram". This results	of main to improve cat eliability. Starting in 201 ram will no longer be ca in a \$1M reduction in th	hodic perforn 14, costs asso aptured in thi he 2014 budg	nance, and projects to ciated with the labor s Business Case, they et request; however	this Program would benefit present operations						
							Annual Cost	Summary - Ir	crease	(Decrease)	
Alternatives:				15 1 15 1 15 1 15 1 15 1 15 1 15 1 15	Performance	Ca	ipital Cost	O&M Co		Other Costs	Business Risk Score
Unfunded Program:	Avista will be unabl	le to complete capital n	on-revenue s	ystem enhancements	n/a	\$		\$	Ē		8
Alternative 1: Brief name of alternative (if applicable)	Complete installation	on and/or upgrade of n	on-revenue a	ssets.	n/a	\$	5,600,000	\$ 200 000 000 000 000 000 000 000 000 00		\$ 1000000000000000000000000000000000000	2
Alternative 2: Brief name of alternative (if applicable)					n/a	\$					0
Alternative 3 Name: Brief name of alternative (if applicable)					describe any incremental changes in operations	\$		\$		\$	0
Program Cash Flows 5 years of costs			Shipping 5 200		Associated Ers (list all	applicable):				
3 years or costs	Capital Cost	O&M Cost C	Other Costs	Approved	3005	11000000					
Previous	 	\$ - \$		\$ -		3555				XVIII SINII	ki indonésia na
2012		\$ - \$		\$ 3,823,000					unit l		
2013	\$ 4,349,690	\$ - \$		\$ 7,949,690							
2014		\$ - \$		\$ 6,600,000							
2015		\$ - \$		\$ 6,000,000							
2016 2017		\$ - \$ \$ - \$		\$ 6,000,000 \$ 6,000,000							
2017		\$ - \$	-	\$ 6,000,000							
2019		\$ - \$		\$ 6,000,000							
Total		5 - \$		\$ 48,372,690							
Mandate Excerpt (if applic	able):										
			***************************************			and the same				**************************************	
Additional Justifications: The program addresses a re replacement of odorization	a di kanggia, dan sana di pagalangan tanggia (1966). Mili sa M					ublic s	afety and syst	em reliability.	(Examp	ole: Incremental pi	pe enhancements,
Resources Requirements: (request forms and a	ppravals attached)									
Internal Labor Availability: Contract Labor:	☐ Low Probability ☑ YES	☐ Medium Probability ☑ ☐ NO	High Probablity	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	İ	☑ NO or Not Requ ☑ NO or Not Requ ☑ NO or Not Requ ☑ NO or Not Requ	ired labor ired resou ired a gen	boxes sl rce own eral sens	ropriate box. The Ir nould be checked to ers have been conta se of how likely staff require a firm comm	cted and to provide will be provided

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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Capital Program Business Case

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Exhibit No.__(KKS-5)
Attachment No.__NGD-3.2

Key Performance Indicator(s)

Expected Performance Improvements

KPI Measure:

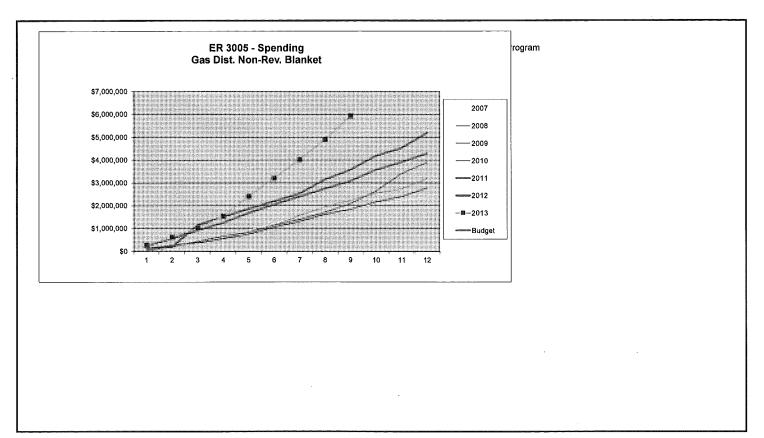
AVISTA

Prepared signature

Reviewed signature

Director/Manager

Other Party Review signature Manager Students Director/Manager



To be completed by Capital Planning Group

Rationale for decision

Review Cycles

2012-2016

Date Template

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Natural Gas Distribution

Business Case Name: Gas Reinforcement

ER No: ER Name:

3000 Gas Reinforce-Minor Blanket

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$3,000¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	122	-	-	-	-	-	-	-	-	-	27	18	77
2015	1,000	68	56	66	74	81	103	116	95	96	87	81	77
2016	1,000	68	56	66	74	81	103	116	95	96	87	81	77

Business Case Description:

This annual program will provide for necessary reinforcements and reliability looping of the existing gas distribution system in WA, ID, and OR. Avista has an obligation to provide reliable service that is of adequate pressure and capacity. Periodic reinforcement of the system is required to reliably serve due to increased demand at existing service locations and new customers. Execution of this program on an annual basis will ensure the continuation of reliable gas service that is of adequate pressure and capacity.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 133 of 303 Capital Investment Business Case

AVISTA

Exhibit No.__(KKS-5) Attachment No.__NGD-4.1

Investment Name:	Gas Reinforcem	ient		1					
Requested Amount	\$1,000,000			Assessments:			1733 465 534 3		
Duration/Timeframe	On-Going	2012+		Financial:	MH - >= 9% &	<12% CIRR			
Dept, Area:	Gas Operations	表表 计总连续区域		Strategic:	Reliability & Ca	apacity			
Owner:	Mike Faulkenber	гу		Operational:	Operations not	impacted by exec	ution		
Sponsor:	Don Kopczynski			Business Risk:	ERM Reduction	n >10 and <= 15			
Category;	Mandatory			Program Risk:	Moderate certa	ainty around cost, s	chedule and reso	urces	
Mandate/Reg. Reference:	WAC 480-90-148	3(2)(d), IDAPA 31.	31.01.151, OR	Assessment Score:	143	Annual Cost	Summary - Increas	e/(Decrease)	
Recommend Program Desc	ription:				Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
This annual program will pr distribution system in WA, I adequate pressure and cap- increased demand at existir annual basis will ensure the The 2013 budget was cut ar capacity that will meet a de defined as Reinforcement P	D, and OR. Avista hacity. Periodic reinfing service locations continuation of relid needs to be incresign day load. Speci	nas an obligation to orcement of the sys and new customers iable gas service the cased for 2014+ (to	provide reliable s stem is required t . Execution of th it is of adequate \$1,000,000) to er	ervice that is of o reliably serve due to is program on an pressure and capacity, ssure adequate	describe any incremental changes that this Program would benefit present operations	\$ 1,050,000			4
		hastika ja				Annual Cost	 Summary - Increas	e/(Decrease)	
Alternatives:					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
Status Quo:	Application for the party of the parallel share and the first			-going basis and need n of reliable service.	n/a		\$ 1000000000000000000000000000000000000	\$	16
Alternative 1: Pipe Installation	And the second section of the second section is	ations - Install addit stem to Increase sys		force and loop existing	Reduced system monitoring during cold	\$ 1,000,000	### 100 NEW TO SEE THE PROPERTY OF THE PROPERT	Note the state of	4
Alternative 2: Uprate Alternative	distribution system increase the delive	n to a 60 PSIG MAOI ry capacity in additi	P. Uprating gas d on to increases o	essure of existing gas istribution system will perating efficiency by operating pressures.	Reduction in regulator station maintenance,	\$ 50,000	\$ 100,000	\$	4
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opt	ions that were cons	idered		describe any incremental changes in operations	\$	\$	\$	0
Program Cash Flows					Associated Frs (list all applicable):			
2012-2016					Current ER	an appreadicy.	2070-109-109-109-109-109-109-109-109-109-10	Section Control	De Nama Victoria
	Capital Cost	O&M Cost	Other Costs	Approved Capital	3000			ANG AND SEC	
2012	\$ 1,050,000	\$	\$ -	\$ 800,000					
2013	\$ 1,050,000	\$ -	\$ -	\$ 1,120,000					
2014	\$ 1,000,000	\$ -	\$	\$ 1,000,000					
2015	\$ 1,000,000	\$	\$	\$ 1,000,000					
2016	\$ 1,000,000	\$ -	\$ -	\$ 1,000,000					
2017			\$ -	\$ 800,000	1				
2018			\$ -	\$ 600,000	1				
2019		\$ -	Š .	\$ 600,000	1				
Total			Š =	\$ 6,920,000	1				
Total	V V V V V V V V V V	IY	EX	1.4 0,020,000	J				

Mandate Excerpt (If applicable):

WAC 480-90-148(2)(d), "Each gas utility must maintain its gas system in a condition that enables it to furnish safe, adequate, and efficient service." IDAPA 31.31.01.151, "Service to the customer shall assure the customer of adequate pressure, a definite heat content, and the accurate measurement of gas.", OR Tariff - Rule 14(A)(2), "The Company will exercise reasonable diligence and care to furnish and deliver a continuous and sufficient quantity of gas to its customers but does not guarantee continuity or sufficiency of quantity."

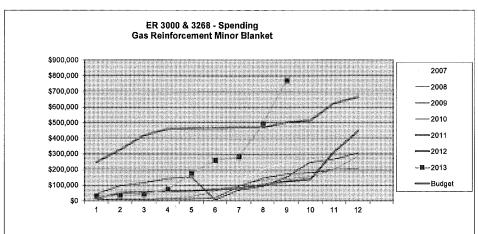
Additional Justifications:	
Program required to reliably serve customers	

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Capital Investment Business Case

Exhibit No.__(KKS-5) Attachment No.__NGD-4.2

AVISTA

Resources Requirements:	(request forms and	approvals attached)					
Internal Labor Availability: Contract Labor:	Low Probability YES	☑ Medium Probability ☐ NO	High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	✓ NO or Not Required ✓ NO or Not Required ✓ NO or Not Required ✓ NO or Not Required	Check the appropriate box. The Internal and contract labor boxes should be checked to indicate if the resource owners have been contacted and to provide a general
Key Performance Indicato	Charles and the control of the contr						sense of how likely staff will be provided (this does not require a firm
KPI Measure:	Cold Weather Rela			1			commitment).
	Fill in the name of	the KPI here		Prepared	signature		
		Y.		Reviewed	signature	Disease	
						Directo	or/Manager
				Other Party Review		Marin Ste	vers
				(if necessary	<i>'</i>)	O J Directo	or/Manager



	ERM Risk	Status	Riskon			Status Quo Ri	k		
Business Case	Reduction	Quo Raw Score	Completion Raw Score	Financial impact (Corsequential Costs/Revenues)	Likelihood	Legal, Regulatory, External Business Affairs	Likelihood	Quatomer Service and Reliability (# customers * duration of an outage)	Likelihood
				2 - \$200k - \$2MM		4 - Potential for regulators to impose onerous restrictions or Board of management to make leadership change	} < Once / year		< Once / 5 years
				Environmental	Likelihood	Safety and Health; Public	Likelihood	Safety and Health: Employee	Likelihood
					1	1 - Potential for injury Public health infrastructure Impact up to 8 hours	< Once / 10 years	1 - Potential for injury	< Once / 50 year
						Risk upon Comple	tion		
Gas Reinforcement	12	16	4	Financial Impact (Consequential Costs/Revenues)	Likelihood	Legal, Regulatory, External Business Affairs	Likelihood	Customer Service and Reliability (# customers * duration of an oxtage)	Likelihood
				1 · < \$200k	 - -Once / 10 years	2 - Could result in a moderate negative impact to local, online, or industrial relationships and for regional media coverage.	< Once / 10 years	1 - < 1,500 Customer-hours	< Once / 10 year
				Environmental	Likelihood	Safety and Health: Public	Likelihood	Safety and Health: Employee	Likelihood
						1 - Potential for injury Public health infrastructure impact up to 8 hours	< Once / 50 years	1 - Potential for Injury	< Once / 50 year

o be completed by Capital Planning Group Rationale for decision		Review Cycles 2012-2016
	Date	Template

Exhibit No. ___ (DCG-20)
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Natural Gas Distribution

Business Case Name: Gas Replacement Street & Highway

ER No: ER Name:

3003 Gas Replace-St&Hwy

3302 HWY 62 - HP & IP Main Relocation & SSFT #1316

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$13,300¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	1,010	-	-	-	-	-	-	-	-	-	(18)	376	651
2015	4,500	266	244	283	322	395	408	401	434	436	431	329	552
2016	4,500	266	244	283	322	395	408	401	434	436	431	329	552

Business Case Description:

This annual program will replace sections of existing gas piping that require replacement due to relocation or improvement of streets or highways in areas where natural gas piping is installed. Avista installs many of its facilities in public right-of-way under established franchise agreements. Avista is required under the franchise agreements, in most cases, to relocate its facilities when they are in conflict with road or highway improvements.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205

AVISTA

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Capital Investment Business Case

Exhibit No.__(KKS-5) Attachment No.__NGD-5.1

Investment Name:	Gas Replacem	ent Str	eet and Hig	hway	31								
Requested Amount	\$4,500,000			E-X-7500 A-A-	2000000	sessments:							
Duration/Timeframe	On-Going					ancial:	Medium - >= 5	%&<	<9% CIRR				
Dept, Area:	Gas Operations			denimble) i 30	-	ategic:	Other						
Owner:	Mike Faulkenbe					erational:				erform at current	leveis		
Sponsor:	Don Kopczynsk					siness Risk:	ERM Reductio	COLUMN THE COLUMN	commence of the property of the control of the party of the control of the contro	1 11 11			
Category:	Mandatory					gram Risk:	A THE RESERVE AND A STREET OF THE PARTY OF T			chedule and reso	The control of the second control of the sec		
	Franchise Agree	ements	and Permit	S	Ass	sessment Score:	140	200000000000000000000000000000000000000	and the second s	Summary - Increa			
Recommend Program Desc	ription:					The Court of the	Performance	C	apital Cost	O&M Cost	Other Costs	Business Risk Score	
This annual program will re or improvement of streets of facilities in public right-of-w franchise agreements, in m highway improvements.	or highways in are vay under establish	s where	e gas piping i chise agreem	s installed. Avi ents. Avista is	sta ins requir	talls many of its ed under the	describe any incremental changes that this Program would benefit present operations	\$	4,500,000			2	
							Annual Cost Summary - Increase/(Decrease)						
Alternatives:							Performance	C	apital Cost	O&M Cost	Other Costs	Business Risk Score	
Status Quo:	Avista would be o and/or permits if		The State of		franchi	se agreements	n/a	\$		-	\$	16	
Alternative 1:	Relocate facilities established franc					ts where	n/a	\$	4,500,000	Section Section 1. Sec	\$	2	
Alternative 2:	1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1						n/a	\$	S PARTICULAR STATE OF THE STATE		\$ -	\$	0
Alternative 3 Name: Brief name of alternative (if applicable)	The second secon						describe any incremental changes in operations	\$		\$	\$	0	
Program Cash Flows							Associated Ers	list al	l applicable):				
2012-2016	ourse-one-fittorium continue allies (200)		representation of the second distribution	emane Contention Contention	azaderbwem 69		Current ER	6000					
	Capital Cost	C	&M Cost	Other Cost	s	Approved	3003	98					
The second secon	E CONTROL OF THE PARTY OF THE P				Sec. 18		3302					i dilikilikisti.	
2012	\$ 2,200,00) \$	Marine Alle	Ś	Š	2,200,000	3297	33365	A Charles and the Charles				
2013			\$755 E. C. 4	\$ -	\$	4,550,000							
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2015				Ś -	2.0	4,500,000							
2016				Š -	N. Prije	4,500,000	1						
2017				Ś -	2011801	4,500,000							
2018			6886 A - 188	\$ -		4,500,000							
2019		Š		\$ -	1200 mg 100 mg/s	4,500,000	1						
Total		The state of the s		\$ -		33,550,000					•		
Total	25,200,000					53,550,000	1						

Mandate Excerpt (If applicable):

Franchise agreements and typical state highway and R/R permits prescribe that the utility will relocate at their expense when in conflict with entity activities.

itiona		

Mandatory work to maintain compliance with existing franchise and operating permits with state highway districts and rail roads.

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Capital Investment Business Case

Exhibit No.__(KKS-5) Attachment No.__NGD-5.2

AVISTA

ternal Labor Availability: □ Low Probability □ Medium Probability □ High Probability ontract Labor: □ YES □ NO				Enterpris Facilities Capital T Fleet:	:	YES - attach form YES - attach form YES - attach form YES - attach form	✓ NO or Not Require ✓ NO or Not Require ✓ NO or Not Require ✓ NO or Not Require	internal and should be ched	Check the appropriate box. The internal and contract labor boxes should be checked to indicate if the resource owners have been contacted and to provide a general		
ey Performance Indic pected Performance Impl PI Measure:		S			840					w likely staff will be ils does not require nt).	
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						Reviewed	signature				
					•	revieweu	Signature		Director/Manager		
		ngangga sapara sana sana sana sana sa		one of the second secon		Party Revie f necessar	w signature y)	Mary	SYUUN Director/Manager	3	
			ER 30 Gas I	003 & 3302 Replc Sti	- Spend reet & H	ding lwy					
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Natural Gas Distribution

Business Case Name: Gas Telemetry Deployment

ER No: ER Name: 3117 Gas Telemetry

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$1,115¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	53	-	-	-	-	-	-	-	-	-	3	7	42
2015	400	32	26	27	30	34	33	38	35	35	36	30	43
2016	400	32	26	27	30	34	33	38	35	35	36	30	43

Business Case Description:

This program will continue the installations of gas telemetry throughout Avista's natural gas service territory. Further enhancing the telemetry sites will increase the visibility of the gas system to help analyze operational concerns and cold weather performance. This program will also replace the current mechanical pressure recording charts with electronic pressure recording devices. These types of projects also enhance our disaster recovery efforts by updating existing telemetry and adding new sites. Gas Scheduling benefits from this data also by having independent measurement points to check the pipelines values and to receive more timely information from the field.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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AVISTA

Exhibit No.__(KKS-5)
Attachment No.__NGD-6.1

Investment Name:	Gas Telemetry											
Requested Amount	\$400,000			Assessments:	7,000							
Duration/Timeframe		Year Program		Financial:	7.00%							
Dept, Area:	Gas Engineering			Strategic: Business Risk:	Reliability & Capacity Business Risk Reduction >5 and <= 10							
Owner: Sponsor:	Mike Faulkenberr Don Kopczynski	y Santanan		Program Risk:	High certainty around cost, schedule and resources							
Category:	Program											
	CFR 192.741 192	2.631		Assessment Score:	#NAME?	Annual Cost	Summary - Increas	e/(Decrease)				
Recommend Program Desc	ription:	1000	185 June 18		Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score			
This program will continue in Further enhancing the telen operational concerns and comechanical pressure record also enhance our Disaster R Scheduling benefits from the values and to receive more	netry sites will incre old weather perforr ling charts with elec lecovery efforts by t is data also by havir	ease the visibility of nance. This progam tronic pressure rec apdating existing te ng independent me	the gas system t will also replace ording devices. T lemetry and addi	o help analyze the current hese types of projects ng new sites. Gas	describe any incremental changes that this Program would benefit	\$ 400,000	\$ -		1			
						Annual Cod	 Summary - Increas	e/(Darregea)				
Alternatives:					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score			
	No further enhance	ements or mainten	ance of the existi	ng telemetry system.	n/a	\$ -	\$ 50,000	\$ -	8			
	Existing mechanica	l pressure recorder	s are expensive t									
Alternative 1: Brief name of alternative (if applicable)	facilities. This fundi	ng level was previo are now requesting	usly approved as	In or upgrade existing part of the Gas PMC ut as it does not align	describe any incremental changes in operations	\$ 400,000	5	\$	The state of the s			
Alternative 2: Brief name of alternative (if applicable)	Describe other opt	ions that were cons	idered		describe any incremental changes in operations		\$ 120 Mark Control (1997)					
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opt	ions that were cons	sidered		describe any incremental changes in operations		\$	\$ -	0			
Program Cash Flows								2.6.6555600				
	Capital Cost	O&M Cost	Other Costs	Approved		Associated Ers (list	all applicable):	1966 (1965)	T			
Previous 2014	\$ - \$ 370,000	\$ - \$ -	\$ - \$ -	\$ -	-	3117						
2014	\$ 370,000	\$ -	\$ -	\$ 400,000	-							
2016	\$ 370,000	\$ -	Š .	\$ 400,000					Verteiller er er er er er er er er er			
2017	\$ 370,000	\$ -	\$ -	\$ 400,000	1	**************************************		<u> </u>				
2018	\$ 370,000	\$ -	\$ -	\$ 400,000								
2019	\$	\$ -	\$ -	\$ 400,000								
Total	\$ 1,850,000	\$ -	\$ -	\$ 2,315,000	J							
	<u> </u>											
ER 3117	\$ 400,000	2015 \$ 400,000	2016 \$ 400,000	\$ 400,000	2018 \$ 400,000	Total \$ 2,000,000	Mandate Excerpt (CFR 192.741 - E		stam cumplied by			
U 2TT\	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,000,000	and the second transfer to the second	urce must be equ	deposits a real of the property of the following the			
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0	\$ -	\$	\$ -	\$	\$ -	\$ -	the gas pressure	in the district.				
0	\$ -	\$ -	\$ -	\$	\$ -	\$ -	CFR 192.631 - Co	ontrol Room Mgmi				
0	\$ -	\$	\$ -	\$	\$ -	\$ -						
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0	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ -						
Total	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,000,000	MINDAMENT POR					
Resources Requirements: //	request forms and a	mprovals attached										
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Internal Labor Availability: Contract Labor:	☐ Low Probability ☐ YES	☐ Medium Probability ☐ NO	☑ High Probablity	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	/ES - attach form						

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Capital Program Business Case

AWISTA

Exhibit No.__(KKS-5) Attachment No.__NGD-6.2

Key Performance Indicator(s) Expected Performance Improvements		
KPI Measure:	Prepared	signature
	Reviewed	signature
		Director/Manager
Oth	er Party Reviev (if necessary	v signature Mana Studys Director/Manager
	(II Necessary	, pycotomical age.
This case is to be used for all along the should be shou	ha wastul i	and deline the Design
This space is to be used for photographs, charts, or other data that may	be useful in e	vaulating the Program
·		
To be completed by Capital Planning Group		
Rationale for decision		Review Cycles 2012-2016
	Date	Template

Exhibit No. ___ (DCG-20)
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Natural Gas Distribution

Business Case Name: Isolated Steel Replacement

ER No: ER Name:

3007 Isolated Steel Replacement

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$8,758¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	550	-	-	-	-	-	-	-	-	-	167	96	287
2015	3,450	245	210	227	253	301	294	313	312	315	322	256	401
2016	3,550	250	215	233	260	310	303	321	322	325	332	263	415

Business Case Description:

This annual program will replace sections of cathodically isolated steel pipe. Isolated portions of pipe including risers, service pipe and main will be replaced as required to meet the requirements of 49 CFR 192.455 & 157 and in accordance with WUTC Docket PG-100049. This program will be conducted in ID and OR also to assure cathodically isolated steel is identified and replaced as needed.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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Capital Investment Business Case

Avista

Exhibit No.__(KKS-5)
Attachment No.__NGD-7.1

Investment Name:		ted Steel Re	eplacement		2772				Contract Village Village Village VIII and VIII a	PATENTIAL PROPERTY NO.		programme and the Control Cont		
Requested Amount		8,333				sessments:								
Duration/Timeframe	On-G	oing			Fir	ancial:	High - Exceeds 12% CIRR Reliability & Capacity Operations somewhat impacted by execution							
Dept, Area:	Gas (Operations			Stı	ategic:								
Owner:	Mike	Faulkenberr	y		Ot	erational:								
Sponsor:								n >0	and <= 5					
Category:								ainty	around cost, s	chedule and	i resoui	rces		
Mandate/Reg. Reference:	WAC	Docket PG-	100049, 49CFR	192.455&157	7 As	sessment Score:	117		Annual Cost	Summary - I	ncrease	/(Decrease)		
Recommend Program Desc	man and the second second						Performance	(apital Cost	O&M Co	ost	Other Costs	Business Risk Score	
This annual program will re	nlace s	ections of cat	hodically isolated	steel pipe. Iso	lated p	ortions of pipe	describe any	\$	2,598,333	\$		\$ -	12	
including risers, service pips 192.455 & 157 and in accor OR also to assure cathodica	and n	nain will be re with WAC Do	placed as require cket PG-100049.	d to meet the This program v	require will be c	nents of 49 CFR	incremental changes that this Program would benefit present operations							
A PART OF THE PART	40,5, 150,000			Silvinia di Carina di Sancarina da la	descriptions.		1 5 7			Summary - II		/(Decrease) Other Costs	Business Risk Score	
Alternatives:						Linore	Performance n/a	\$	Capital Cost		Andrews Proposed Pro-			
Status Quo ()	s Quo; Avista would be out of compliance with Docket PG-100049 and 49 CFR 192.455 & 457.									\$		\$	12	
Alternative 1:		n/a	\$	2,598,333	\$		\$ -	9						
Alternative 2:					200 V 1000 - 100 - 1000 -		n/a	\$		\$		\$	O O	
Alternative 3 Name: Brief name of alternative (If applicable)							describe any incremental changes in operations	\$		\$	2 3 8	\$	0	
Program Cash Flows							Associated Ers (list al	l applicable):					
2012-2016							Current ER				SEC. 15			
	Ca	pital Cost	O&M Cost	Other Cos	its	Approved Capital	3007							
							Magazian da da				Seesal :			
2012	\$	2,321,433	\$ -	\$	- \$	1,095,000	Shipperentables	11333	ngaragiyal AN					
2013	\$	2,348,337	\$	\$	- \$	2,248,333				***************************************				
2014	\$	2,598,333		\$	- \$	1,758,333	1							
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2016		3,550,000		to the state of th	- s	3,550,000								
2017	Ś	3,320,000			- s	3,320,000								
2018		2,750,000		and a Victorian Control of the Control	- \$	2,750,000								
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2019		2,750,000			esta de Maria de Partido	2,750,000	1							
Total		23,088,103	\$ -	15	- \$	20,921,666								
					1000000									
Mandate Excerpt (if applic	able):								13 30 00 32 1					
Docket PG-100049 (III) -		ement"/2_/	Avieta agrees to	euroev ite en	tire Ws	shinatan State nir	neline evetem to	find	isolated steel	and comple	te all re	medial action s	et forth in this	
Agreement within five year					uie vve	ishington State pip	Jenne system te	, illiu	isolaleu sieel	and comple	ito ali re	arieulai action o	et iojuj ili ulia	
Adreement within the Act	aıs Ul	nie eliective	uate of this Agr	confont.										
			05045657245676576576		s (Margher)			másind <u>i</u>		racestrates (in the latest		is a partition partition at the last		
Additional Investment														
Additional Justifications:													PERSONAL PROPERTY OF THE PERSON NAMED IN COLUMN 1	

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
Page 143 of 303
Capital Investment Business Case

Exhibit No.__(KKS-5) Attachment No.__NGD-7.2



Res	sources Requireme	ents: (reque	est forms an	ıd approva	ıls attached)				65195			State of the control		
Con	ernal Labor Availab ntract Labor:	. ✓ YE		✓ Mediu	ium Probability	☑ High Probability	Enterpr Facilitie Capital Fleet:		YES - attach form YES - attach form YES - attach form YES - attach form	V	NO or Not Required NO or Not Required NO or Not Required NO or Not Required		Check the appropriate box. The Internal and contract labor bo should be checked to indicate resource owners have been contacted and to provide a ge sense of how likely staff will b	xes if the neral
	y Performance Indi ected Performance Imp											ı	provided (this does not requir	
C 11-16-1-1-1	ecces renormance imp Measure:	provenienc			62-62-00-00-00-00-00-00-00-00-00-00-00-00-00		j					<u> </u>	commitment).	
	Ballanda Ballanda		U		Z	AA .]							
1	Departmei	int	YTD October 2013	1	imum to olete 2013	Percent Complete		Prepared	signature					
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	Roseburg		113	3	107	106%		Reviewed	signature					
December 1	Medford Construc		5	_	222	2%						Director/M	anager	
	Clarkston Electric	c & Gas		6	34	18%								
	La Grande		25	_	28	89%			_	711	1	Ske	UNS	
_	Sandpoint / Bonne	ers Ferry	4		7	57%		er Party Review		<u> </u>	mm.	na	Mrs	
	CDA Gas Klamath Falls		38 24		31 43	123% 56%	/	(if necessary))	 -	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Director/M	anager	
	Riamath Falls Pullman Electric a	P. Cas	14	_	98	14%								
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	Business Case	\$1,500,000 \$1,000,000 \$500,000 \$0	0 1 1 Status	2 Risk on Completion	3	4 5	6	7	8 9	10		12	—2012 —=2013 ——Budget	
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- 1	Isolated Steel Replacement	3	12	9	Financial (Consequ	wentiel Lis	lkelihood	Legal, Regul	latory, External Business /	Affairs	Ukelihood		tomer Service and Reliability tomers * duration of an outage)	Likelihood
					2 - \$2MM - \$4MI		te / S years	local, online, or l	n a moderate negative Industrial relationship					c Once / 50 years
		'	1	,	Environ	menta) U	kelihood	regional media c	coverage fety and Health: Public		Likelihood	S	afety and Health: Employee	Likelihood
L		1	L						11					
	be completed by Rationale for deci-		Planning	Group					Date			Review (2012-20		

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Natural Gas Distribution

Business Case Name: Overbuilt Pipe Replacement

ER No: ER Name:

3006 Overbuilt Pipe Replacement Blanket

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$2,500¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	81	-	-	-	-	-	-	-	-	-	6	3	72
2015	900	83	73	72	73	75	73	84	72	73	75	74	73
2016	900	83	73	72	73	75	73	84	72	73	75	74	73

Business Case Description:

This program will replace sections of existing natural gas distribution piping that has either experienced encroachment or have been built over/covered by customer-constructed improvements (i.e. decks, driveways, etc.). These types of situations restrict the Company's access to pipe. The project will address the replacement of sections of gas main and services that no longer can be operated safely. The replacements will be completed to enhance public safety. All types of overbuilds will be addressed with the primary focus of the project being overbuilds in manufactured/mobile home developments.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 145 of 303 Capital Program Business Case

Avista

Exhibit No.__(KKS-5)
Attachment No.__NGD-8.1

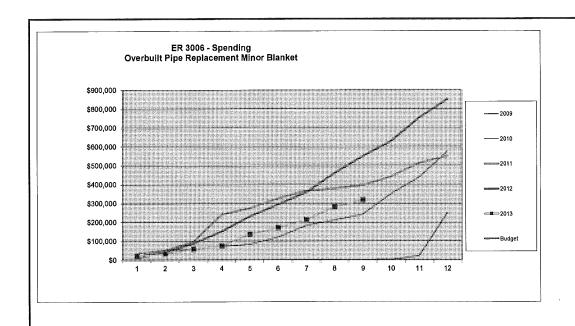
Requested Amount Duration/Timeframe Dept, Area: Owner: Sponsor: Category: Mandate/Reg. Reference: Recommend Program Desc This program will replace se been overbuilt by customer Company's access to pipe. longer can be operated safe	\$900,000 On Going Gas Operations Mike Faulkenbern Don Kopczynski Mandatory 49 CFR 192.361(fription: ections of existing ga constructed improv It will address the re-	Year Program y s piping that have a rements (i.e. decks, placement of sections will be completed to the se	driveways, etc.) ons of gas main o d to enhance pub	that restricts the and services that no olic safety. All types of	Business Risk High certainty #NAME? Performance describe any incremental changes that this Program	Reduction >5 and around cost, sched	lule and resource:		Business Risk Score
overbuilds will be addressed manufactured/mobile home		ocus of the project	being overbuilds		would benefit present operations	Annual Cost	: Summary - Increa	se/(Decrease)	
Alternatives:					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
Unfunded Program:	Avista will continue	operating with inc	reased risk due t	o overbuilds	n/a				Section 1 and 1 an
Alternative 1: Brief name of alternative (if applicable)	Complete program	matic replacement	of overbuilt pipe	•	describe any incremental changes in operations	\$ 900,000		\$ 120 120 120 120 120 120 120 120 120 120	
Alternative 2: Brief name of alternative (if applicable)	Describe other opti	ons that were cons	idered		describe any incremental changes in operations	\$	\$	Section 1	0
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opti	ons that were cons	idered		describe any incremental changes in operations		S The second sec	\$	0.
Program Cash Flows									
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		\$ -	\$ -	Programme Commercial C					
And proceedings of the National Control of the Nationa					4				
	Annual Cost Summary: Increase (Cost) that were considered with for program allor episors that were considered with fire programmatic replacement of overfulid pipe. Annual Cost Summary: Increase (Cost) that were considered with fire programmatic replacement of overfulid pipe. Annual Cost Summary: Increase (Cost) that were considered with fire primary local or the project being overlained and except the populations of the programmatic replacement of the programmatic replacement of the cost of the programmatic replacement of the cost of the programmatic replacement of the cost of the programmatic replacement of the programmatic replacement of the cost of the programmatic replacement of the p								
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Total	300,000	900,000 پ	- 300,000	ا عدر الحد الحد	000,000 c	4,300,000		National Administration	
Resources Requirements: (i Internal Labor Availability: Contract Labor:	Low Probability	☐ Medium Probability	**************************************	Facilities: Capital Tools:	YES - attach form	☑ NO or Not Req ☑ NO or Not Req	ulred labor boxe ulred resource of ulred a general s	s should be checked to wners have been cont ense of how likely staf	o indicate if the acted and to provide If will be provided

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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Capital Program Business Case

AVISTA

Exhibit No.__(KKS-5) Attachment No.__NGD-8.2

Key Performance Indic	cator(s)		
Expected Performance Imp	provements		
KPI Measure:	Communication Communicatio		
		Prepared	signature
		· ·	
		Reviewed	signature
			Director/Manager
		Other Party Review	
		(if necessary)	Director/Manager



completed by Capital Planning Group tionale for decision		Review Cycles 2012-2016
	Date	Template
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Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Natural Gas Distribution

Business Case Name: Regulator Station Reliability Replacement

ER No: ER Name:

3002 Regulator Reliable - Blanket

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$2,325¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	59	-	-	-	-	-	-	-	-	-	7	5	47
2015	800	45	39	51	58	64	88	94	81	82	70	64	63
2016	800	45	39	51	58	64	88	94	81	82	70	64	63

Business Case Description:

This annual project upgraded or replaced various regulator stations within the natural gas distribution system, improving station reliability and reducing operation and maintenance costs. Existing stations required upgrades due to many factors, such as replacement of obsolete equipment and improvement in regulation technology.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

ATVISTA

\$1,200,000 Page 1 of 2 \$1,000,000 Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Capitap இழுஷ்கு செத்தேர்கள்

Exhibit No.__(KKS-5) Attachment No.__NGD-9.1

Investment Name:	Regulator Station	n Paliahility Ran	lacament	1									
Requested Amount	\$800,000	ii Nenability Nep	iacement	Assessments:			Esummary - Increase/(Decrease) O&M Cost S O&M Cost O&M Cost O&M Cost Other Costs Busing S S S S S S S All applicable): CFR § 192.739 - Pressure limiting and reg stations: Inspection and testing. Mandates Regulating Stations must be inspected anrif older components are not repairable, the maintenance might not be completed appropriate box. The internal alabor boxes should be checked to indicate resource owners have been contacted and a general sense of how likely staff will be surred and ageneral sense of how likely staff will be surred and general sense of how likely staff will be						
Duration/Timeframe	On-Going	Year Program		Financial:	7.00%		Summary - Increase/(Decrease) O&M Cost Other Costs Summary - Increase/(Decrease) O&M Cost Other Costs Susing O&M Cost Other Costs Busing Other Costs Susing Summary - Increase/(Decrease) O&M Cost Other Costs Othe						
Dept, Area:	Gas Operations			Strategic:				and resources Imary - Increase/(Decrease)					
Owner:	Typically Director			Business Risk:				and resources Imary - Increase/(Decrease)					
Sponsor:	Typically Executiv	e Officer		Program Risk:	High certainty	around cost, sched	ule and resources						
Category: Mandate/Reg. Reference:	Program	730		Accorrment Score	. 75	Annual Cost	Summary - Increase						
Recommend Program Desc		,739		Assessment score	Name of the Control o	BESTEROLISM ASSESSMENT OF THE SERVICE OF THE SERVIC	No. 11 Company of the	Business Bisk Score					
The second of th	499300000000000000000000000000000000000	cting regulator stat	ions and meter s	Assessments Financial T, 0.0%									
Avista standards. This prog performance, safety, replac and ensure the reliable ope	gram will address en cement of inadequa	hancements that w te or antiquated eq	ill improve syster Juipment that is n	m operating	incremental changes that this Program would benefit present								
Alternatives:					Performance				Business Risk Score				
Unfunded Program:	Maintenance may r	not be able to be co	mpleted properly	v due to antiquated									
	equipment. This corrates of equipment	uld result in fines fr failure	om PUC, leaks or	stations, and high	er								
Alternative 1: Complete as described above.		tinued reliable ope	rations. Stations	that are not upgrad	ded Reg Stn	\$ 600,000			1				
Alternative 2: Brief name of alternative (if applicable)	Describe other opti	ons that were cons	idered		incremental changes in	\$	\$ -	\$ -	0				
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opti	ons that were cons	idered		describe any incremental	\$ -	\$ -	\$ -	0				
					operations								
Program Cash Flows	Capital Cost	O&M Cost	Other Costs	Approved		Associated Ers (list	all applicable):						
Previous		\$ -	describe any incremental changes in operations St. Other Costs Approved St. St										
2014	\$ 600,000	\$ -		\$ 725,	000								
2015		\$ -	Т										
2016		\$ -	7						·				
2017		\$ -											
2018 2019		\$ -	7										
2019													
Total					000								
ER	2014	2015	2016	2017	2019	Total	Mandate Excerpt (if applicable):					
3002	\$ 800,000	\$ 800,000		25 43 4 5 4 5 5 5 5 5 5 6 5 6 5 6 5 6 5 6 5 6					ind regulating				
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Total	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,	000 \$ 800,000	\$ 4,000,000							
Resources Requirements: (request farms and a	pprovals attached)											
Internal Labor Availability: Contract Labor:	☐ Low Probability ☐ YES	☐ Medium Probability ☑ NO	☑ High Probability	Facilities: Capital Tools:	☐ YES - attach form ☐ YES - attach form	✓ NO or Not Req ✓ NO or Not Req	ulred labor boxes ulred resource ow ulred a general se	should be checked to ners have been conta nse of how likely staff	Indicate if the cted and to provide will be provided				
Key Performance Indicator Expected Performance Improver KPI Measure:													
		2 - Regulator Minor Blank			Prepared	signature			·				

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Capitab இரு ஈழந்துக்கு Case

Avista

Exhibit No.__(KKS-5) Attachment No.__NGD-9.2

ER 3002 - Regulator Reliability Minor Blanket		
\$1,200,000 \$1,000,000 \$800,000 \$600,000 \$400,000 \$200,000 \$00,000 \$200,000	2008	Reviewed signature Director/Manager Other Party Review signature (if necessary) Director/Manager
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This space is to be used for photographs, charts, or other data that may be useful in evaulating the Program

	ERM Risk	Status	Risk on			Status Quo Rfs	k	<u> Askiralak</u> a										
Business Case	Reduction	Quo Raw Score	Completion Raw Score	Financial impact (Consequential Costs/Revenues)	Likelihood	tegal, Regulatory, External Business Affairs	Likelihood	Customer Service and Reliability (# customers * duration of en outage)	Ukelihood									
				1 - < \$200k		2 - Could result in a moderate negative impact to local, online, or industrial relationships and /or regional media coverage	< Once / 10 years	1 - < 1,500 Customer-hours	< Once / 10 year									
				Environmental	Likelihood	Safety and Health: Public	Likelihood	Safety and Health: Employee	Likelihood									
				1 - Isolated spill with 0 to low level PCBs, no migration, air emission minor exceedence, standard clean-up	< Once / 10 years	1 - Potential for injury Public health infrastructure impact up to 8 hours	< Once / 10 years	1 - Potential for injury	< Once / 10 year									
Regulator Station Reliability 2	2	4	4 2	Risk upon Completter														
Replacement				1	•	1			,	-	2	•	-	Financial Impact (Consequential Costs/Revenues)	Likelihood	tegal, Regulatory, External Business Alfairs	Likelihood	Customer Service and Reliability (# customers * sturation of an outage)
				1 - < \$200k		1 - No likely impact on media or regulatory relationship.	< Once / 50 years	1 + < 1,500 Customer-hours	< Once / 50 years									
	1			Environmental	Likelihood	Safety and Health: Public	Likellhood	Safety and Health: Employee	Likelihood									
			1 - Isolated spill with 0 to low level PCBs, no migration, air emission minor exceedence, standard clean-up	< Once / 50 years	1 - Potential for injury Public health infrastructure impact up to 8 hours	< Once / 50 years	1 - Potential for Injury	< Once / 50 years										

by Capital Planning Group cision		Review Cycles 2012-2016
		2012-2010
	Date	Template

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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Natural Gas Distribution

Business Case Name: Replace Deteriorating Steel Gas Systems

ER No: ER Name:

3001 Replace Deteriorating Gas System

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$3,280¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	107	-	-	-	-	-	-	-	-	-	0	-	107
2015	1,000	40	40	60	70	80	120	120	110	110	90	80	80
2016	1,000	40	40	60	70	80	120	120	110	110	90	80	80

Business Case Description:

This annual program will replace sections of existing steel gas piping that are suspect for failure or are showing signs of deterioration within the gas system. This program will address the replacement of sections of gas main with corrosion related issues that no longer operate reliably and/or safely. Sections of the gas system require replacement due to many factors including material failures, environmental impact, increased leak frequency, or coating problems. This program will identify and replace sections of steel pipe to improve public safety and system reliability. The projects primary focus is to address corrosion related pipe issues.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 151 of 303 Capital Investment Business Case



Exhibit No.__(KKS-5)
Attachment No.__NGD-10.1

Investment Name	Pont Deteriorati	na Stool Gas Si	etome	٦								
Investment Name: Requested Amount	\$800,000	ilg Steel Gas G	Steine.	Accessments:		Marie Commission						
Duration/Timeframe	On-Going				<= 0% CIRR							
Dept, Area:	Gas Operations				Life Cycle Prog	rams						
Owner:	Mike Faulkenberr			-		proved beyond cur	rent levels					
Sponsor:	Don Kopczynski			→ '		RM Reduction >5 and <= 10						
Category:			100-00-00-00-00-00-00-00-00-00-00-00-00-			ainty around cost, s	chedule and reso	ources				
	riogiam			⊣ -	79		Summary - Increa					
		perations Strategic: Operational: Strategic: Operational: Strategic: Operations Strategic: Operations Strategic: Operational: Business Risk: Program Risk: Assessment Strategic: Operational: Strategic: Operational: Strategic: Operational: Strategic: Operational: Strategic: Operational: Operational: Operational: Assessment Strong and Risk: Assessment Strategic Operational:			the experience of the control of	Capital Cost	O&M Cost	Business Risk Score				
CONTROL OF THE PROPERTY OF THE				. 6 6 11	Performance		Ś -	Other Costs	Business tusk score			
					describe any	\$ 800,000	7	3				
					incremental							
					changes that							
					this Program							
					would benefit							
steel pipe to improve public	safety and system i	reliability; it's prim	ary focus is to ad	dress corrosion related	present							
pipe issues.					operations		Designation of the contract of		S			
					Fundamental Constitution Constitution		Summary - Increa					
Alternatives:					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score			
Status Quo:	From Experimental Control of the Con		The second secon		n/a	\$ -	\$ -	\$	6			
	Roseburg, and La G	rande OR that hav	e older main at a	higher operating risk								
	te/Reg. Reference: mend Program Description: nual program will replace sections of existing steel gas piping that are suspect for faig signs of deterioration within the gas system. This program will address the replaces of gas main with corrosion related issues that no longer operate reliably and/or sa gas system require replacement due to many factors including material failures, envigincreased leak frequency, or coating problems. This program will identify and replace to improve public safety and system reliability; it's primary focus is to address consues. A number of locations have been identified in Medford, Klama Roseburg, and La Grande OR that have older main at a higher or related to leaks. A number of locations have been identified in Medford, Klama Roseburg, and La Grande OR that have older main at a higher or related to leaks. A number of locations have been identified in Medford, Klama Roseburg, and La Grande OR that have older main at a higher or related to leaks. A number of locations have been identified in Medford, Klama Roseburg, and La Grande OR that have older main at a higher or related to leaks. A number of locations have been identified in Medford, Klama Roseburg, and La Grande OR that have older main at a higher or related to leaks. A number of locations have been identified in Medford, Klama Roseburg, and La Grande OR that have older main at a higher or related to leaks. A number of locations have been identified in Medford, Klama Roseburg, and La Grande OR that have older main at a higher or related to leaks. A number of locations have been identified in Medford, Klama Roseburg, and La Grande OR that have older main at a higher or related to leaks. A number of locations have been identified in Medford, Klama Roseburg, and La Grande OR that have older main at a higher or related to leaks.											
Alternative 1: Pipe	Strategically replace	e sections of at-ris	k steel piping.		Reduced risk of	\$ 800,000	\$ 37 - 5 - 5 - 5	\$	1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Installation .					system leaks							
Alternative 2:					describe any	\$ -	\$ -	\$ -	0			
Alternative 2:					incremental							
					A light tracks Exchange the first							
					changes in							
	STREET, STREET				operations			A A STATE OF THE S				
Alternative 3 Name: Brief					describe any	\$ -	\$	\$ -	0			
name of alternative (if					incremental							
applicable)					changes in			NAMES OF BUILDING				
					operations							

Program Cash Flows					Associated Ers (list all applicable):		200 000 000				
2012-2016					Current ER							
	Capital Cost	O&M Cost	Other Costs	Approved	3001							
2012	\$ 800,000	\$ -	\$ -	\$ 800,000			Barus Viller					
2013	\$ 600,000	\$ -	\$ -	\$ 665,000								
2014	\$ 800,000	\$ -	\$ -	\$ 1,280,000								
2015	\$ 1,000,000	\$ -	\$ -	\$ 1,000,000								
2016	\$ 1,000,000	\$ -	\$ -	\$ 1,000,000								
2017	\$ 1,000,000	\$	\$ -	\$ 1,000,000								
2018		Ś	\$ -									
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	s. 1 Million I consequence Authoris Hillion	memory and a second second	congress patential bases		a, casternalisty MERGE				344 - 125 142 - 144 - 115 (1446) (15			
Additional Justifications:						1.00.4500 4-405						
This program has been exec	ruted historically	ng a gualitative as	eacement matha	at the district lavel								
rus brogram nas neen exec	.u.eu nistorically usi	ng a quantative as	sessment method	a at the district level.				나 나는 아내는 생각이 되었다.				

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Capital Investment Business Case

Dockets UE-Page Capital Inves

Exhibit No.__(KKS-5)
Attachment No.__NGD-10.2

lesources Req	uirements:	(reque	st forms ar	nd approvals attac	hed)							
nternal Labor A Contract Labor:	-	□ Lo		☐ Medium Probat ☑ NO	oility 🔽 Hi	gh Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - at YES - at YES - at YES - at	tach form V No	O or Not Required O or Not Required O or Not Required O or Not Required	Internal and contract labor boxes should be checked to indicate if the	
(ey Performan		were the first term									sense of how likely staff will be provided (this does not require a f	
xpected Perform (PI Measure:	ance Improve		Rate/ 1000	O miles of steel pip	ie						commitment).	
	TOTAL TOTAL	V. S.					Prepared	signatu	re			
	Ex	tern	al Corro	sion Leaks								
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5 4 3 2 1				altour	miles of ste ™ Base Line (5		Other Party Revie		re M	uçi -	SHUM55 Director/Manager	
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	\$600,000 \$400,000 \$200,000						•		2012 ===================================			
pustiliess case	\$0 #	1	2	3 4 5	6	7 8	9 10 1	11 12				
	Reduction	Score	Raw Score	Financial Impact (Consequential Costs/Revenues)	Likelihood		atory, External Business Affairs	Likelihood	Customer Service a (# customers * duratio	nd Reliability on of an outage)	Likelihood	
			100		Once / 10 years	restrictions or Bo	egulators to impose onerous sard or management to make	i le Once / 10 years i	11 - < 1,500 Customer-hours		< Once / 10 years	
			3 -	52MM - \$4MM		leadership chan	A Company of the Comp		A A A A A A A A A A A A A A A A A A A	V2000000000000000000000000000000000000		
			1 - lo mi mi	Environmental Isotated spill with 0 to w level PCBs, no Igration, air emission inor exceedence, standard	Likelihood : Once / year	5al 3 - Potential for s Significant dama business	ety and Health: Public		Safety and Health 1 - Potential for injury	Employee	Lifethood Conce / 10 years	
Repl. Deterlorating	7		1. lo mi mi de	Environmental Isolated spill with 0 to wievel PCBs, no Igration, alremission	Likelihood	5al 3 - Potential for s Significant dama business	lety and Health: Public serious injury ge to equipment, property or	< Once / 10 years		e Employee		
Repl. Deterlorating Steel Gas Systems	7	8	1 - lo mi mi	Environmental Isotated spill with 0 to w level PCBs, no Igration, air emission inor exceedence, standard	Likelihood	Sai 3 - Potential for s Significant dama businese Public health inf	lety and Health: Public Lerious injury ge to equipment, property or rastructure impact up to 48 hours	< Once / 10 years		nd Reliability		

lonale for decision	Review Cycles 2012-2016	
	Date Template	

AVISTA

< Once / S0 year

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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Natural Gas Distribution

Business Case Name: Gas Planned Meter Change-out ("PMC") Program - Capital Replacements

ER No: ER Name:

3055 Gas Meter Replacement Non-Revenue

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$3,266¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	121	-	-	-	-	-	-	-	-	-	18	18	85
2015	1,030	80	64	70	77	85	97	113	92	93	89	82	86
2016	1,061	81	66	72	79	87	100	117	96	97	92	85	89

Business Case Description:

This annual program will provide for replacement of gas meters and associated measurement equipment that are completed in association with the Gas Planned Meter Change-out (PMC) program. Avista is required by commission rules and an approved Tariff in WA, ID, and OR to test meters for accuracy and ensure proper metering performance. Execution of this program on an annual basis will ensure the continuation of reliable gas measurement. This program will include the labor and minor materials associated with the PMC program. Major materials (meters, regulators, and ERTs) will be charged to the appropriate growth ERs.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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AVISTA

Exhibit No.__(KKS-5)
Attachment No.__NGD-12.1

Duration/Timeframe Dept, Area: Owner: Sponsor:	ription: ovide for replaceme ciation with the Gas es and an approved rformance. Executio measurement. This	Year Program y 3, IDAPA 31.31.01, ent of gas meters an Planned Meter Cha I Tariff in WA, ID, an on of this program os s program will inclu	nd associated me inge out (PMC) pr id OR to test met- on an annual basi de the labor and	asurement equipment rogram. Avista is ers for accuracy and is will ensure the minor materials		apacity Reduction >10 and ainty around cost, s Annual Cost Capital Cost \$ 1,000,000	schedule and reso t Summary - Increas O&M Cost \$ -	Other Costs \$ -	Business Risk Score
Alternatives:					Performance	Annual Cost Capital Cost	t Summary - Increas	se/(Decrease) Other Costs	Business Risk Score
Status Quo ;		it of compliance wit ated to gas measure		rative requirements in face fines if not	n/a	\$ -	\$		O STATE OF THE PROPERTY OF THE
		olete strategic enhar	January and State of the Contract of the Contr	of the gas meter PMC elemetry and		\$ 1,000,000		\$	O
Alternative 2:						\$ 1.222	\$	\$	0
Program Cash Flows								THE STATE OF THE S	
D-Auto-	Capital Cost	O&M Cost	Other Costs	Approved -		Associated Ers (list 3055		5-38555	
Previous 2013		\$ -	\$ - \$ -	\$ - \$ -		3000			
2014	\$ 1,000,000	\$ -	\$ -	\$ 1,175,000					
2015 2016		\$ -	\$ - \$ -	\$ 1,030,000 \$ 1,060,900				Esta Strangens	
		\$ -	\$ -	\$ 1,080,900					
2018	\$ 1,125,509	\$ -	\$ -	\$ 1,125,509					
2019 Total		\$ -	\$ - \$	\$ 1,159,274 \$ 6,643,410					
ER	2013	2014	2015	2016	2017	Total	Mandate Excerpt	(if applicable):	
3055	\$ -	\$ 1,000,000	\$ 1,030,000	\$ 1,060,900	\$ 1,092,727	\$ 4,183,627		see below	
0	\$ -	\$	\$ - \$ -	\$ -	\$ -	\$ -			
0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
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0 Total	\$ -	\$ 1,000,000	\$ - \$ 1,030,000	\$ -	\$ 1,092,727	\$ - \$ 4,183,627	-		
Resources Requirements: /r					Est through				
Internal Labor Availability: Contract Labor:	Low Probability YES	☐ Medium Probability ☐ NO	☑ High Probablity	Capital Tools:	YES - attach form YES - attach form YES - attach form YES - attach form	✓ NO or Not Requ ✓ NO or Not Requ	ulred labor boxes ulred resource ov ulred a general se	ppropriate box. The in should be checked to i vners have been contac ense of how likely staff ot require a firm comm	ndicate if the ited and to provide will be provided

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Capital Program Business Case

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Exhibit No.__(KKS-5)
Attachment No.__NGD-12.2

Nearwest Rof meter changed out vs. # required (this changes amoulty)		ormance Indicat											
This space is to be used for photographs, charts, or other data that may be useful in evaulating the Program ANDATE EXCERPT: OAR 860-023-0015(3). "Such among utility shall adopt schoolules for periodic sets and repairs of meters. The length of time meters shall be allowed to remain in envice before recovering periodic tests and repairs is to be determined from periodic analysis of the accuracy of meters tested. The schoolules adopted shall be subject to the commission's approval." DIFFIGURE OF THE PROGRAM OF				eter cha	inged out v	s. # required (this ch	nanges anni	ually)					
Other Party Review signature Other			-7752575						Prepared	signatu	ıre		
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ANDATE EXCERPT: OAR 860-023-0015(3) - "Each energy utility shall adopt schedules for periodic tests and repairs of meters. The length of time meters shall be allowed to remain in envice before receiving periodic tests and repairs is to be determined from periodic analysis of the accuracy of meters tested. The schedules adopted shall be subject to the omnission's approval." DOITIONAL COMMENTS: Program required to reliably serve customers, ensure accurate measurement, and properly bill gas revenue.													
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revious Scoring: The state of the state o				tests	and repair	s is to be determin	ed from pe	eriodic analysis of th	e accuracy c	of meters to	ested. The schedules adopted	shall be subjec	t to the
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Financial Impact Consequential Replacements Gas PMC Replacements Repla	3				Revised Risk		Unfund	ed Project/Program Risk (no	o funding if a proj	ect, cease fund	ing if an existing program)		
4-Potential regulators to impose controls 4-Potential regulators to impose controls 4-Potential regulators to impose controls 4-Potential regulators to management to make (Clince Fysical Inc.) 5-6 7-7 Gas PMC 8-Program_Capital 12 15 4 Replacements 9- Replacements 12 15 4 Replacements 15	4	- Business Case				(Consequential	Likelihood	Legal, Regulatory, Ester Affairs	nal Business	Likelihood		Likelihaad	
Environmental Likelihood Safety and Health: Public Likelihood Safety and Health: Employee Likelihood Once / file years 1 - Potential for injust Conce / fi	5						< Once i gess	restrictions or Board or manager		c Once I year	1 - c 1500 Customer-hours	c Once / 10 years	
Gas PMC 8 Program_Capital 12 15 4 Replacements 12 15 4 Financial impact Consequential	6	-				Environmental	Likelihood	Safety and Health 1-Potential for injury		Guide Conscion on Supposite	E contraction of the contraction	: NATION AND PROPERTY OF THE P	
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Gosts/Revenues Cartairs (I customers' curation of an outage) 1. < \$200k	8		12	15	4		Likelihood	Legal, Regulatory, Ester	nel Business	Likelihood		Likelihood	
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	o be co	ompleted by C	apital Pi	anning	Group								
o be completed by Capital Planning Group											Review Cycles		
Rationale for decision Review Cycles									Data			-tau	
Retionale for decision Review Cycles 2012-2016									DATE		lemi	JIACE	
Rationale for decision Review Cycles													
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Natural Gas Distribution

Business Case Name: Goldendale High Pressure Main Replacement

ER No: ER Name: 3306 Goldendale HP

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$3,500¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	3,505	-	-	-	-	-	-	-	-	-	2,955	275	275
2016	-	-	-	-	-	-	-	-	-	-	-	-	-

Business Case Description:

The coating on the existing high pressure main that feeds the town of Goldendale is disbanded and is showing signs of early stages of corrosion. This line has been exposed in several different locations, and all sections have similar characteristics. It is proposed to replace nearly 3 miles of 4" HP feeding the town of Goldendale with new 4" steel main. Federal code mandates that the coating on steel mains must be properly adhered to the main to protect the pipe from corrosion. This gas system was purchased from Columbia Gas Co and the construction records are not complete, an added benefit to replacement would be the opportunity to have complete construction and pressure test documentation.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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AVISTA

Exhibit No.__(KKS-5)
Attachment No.__NGD-13.1

Investment Name:	Goldendale HP					000000000000000000000000000000000000000				
Requested Amount	\$0	Year Project		Assessments: Financial:	7.00%					
Duration/Timeframe Dept, Area:	Gas Engineering			Strategic:	Reliability & C	apacity		ROSENALISMA		
Owner:	Mike Faulkenber			Business Risk:	Business Risk		lion >10 and	d <= 15		E 8 2 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Sponsor:	Don Kopczynski			Project Risk:				dule and resource	S	
Category:	Project									
Mandate/Reg. Reference:	CFR 192.459 19	2.461		Assessment Score:	#NAME?	of the commence of the commenc	ole, reistagen versateligen (et temp	t Summary - Increa		
Recommend Project Descr					Performance		ital Cost	O&M Cost	Other Costs	Business Risk Score
The coating on the existing of early stages of corrosion characteristics. It is propose 4" steel main. Federal code main to protect the pipe froconstruction records are no complete construction and	. This line has been ed to replace nearly mandates that the om corrosion. This g ot complete, an add	exposed in several d 3 miles of 4" HP fee coating on steel mai as system was purch ed benefit to replace	ifferent location ding the town of ns must be prope nased from Colur	s, all have similar Goldendale with new erly adhered to the nbia Gas Co and the		\$	3,500,000	Company of the compan		
			will first misses with a local developing of					t Summary - Increa		
Alternatives:	lo e i	116 16			Performance		oital Cost	O&M Cost	Other Costs	Business Risk Score
Unfunded Project:	If unfunded, we co	ould face potential fli	nes from the WU	TC		\$		\$ 100,000	\$ <u>-</u>	12
Relocate Meter Stn	Replace 3 miles of	4" HP gas main as d	escribed above.			\$	3,500,000	\$	\$ -	
Rewrap pipe	Rewrap the 3 mile	s of HP gas main			high O&M expense	-\$		\$ 2,000,000	\$	0
Alternative 3 Name: Brief name of alternative (If applicable)	Describe other op	tions that were cons	ldered		describe any incremental changes in operations	\$			\$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Program Cash Flows										
riogram casa riows	Capital Cost	O&M Cost	Other Costs	Approved		Associa	ated Ers (list	all applicable):		
Previous		\$ -	\$ -	\$ -		3xxx				
2013		\$ -	\$ -	\$ -		550555				
2014		\$ -	\$ -	\$ -		33343				
2015			\$ -	\$ 3,500,000		114 (515)		THE REPORTS		
2016		\$ -	\$ -	\$ -						
2017+ Total		\$ -	\$.	\$						
iOla	\$ 3,300,000	13	2	13 5,300,000						
ER	2013	2014	2015	2016	2017+		Total	Mandate Excerpt	(if applicable):	
Зжж	\$ -	\$ -	\$ 3,500,000	\$ -	\$ -	\$	3,500,000		on control: Examin	ation of buried
0	\$ -	\$ 555.	\$ -	\$	\$ -	\$		pipeline when ex	cposed.	
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0	\$ -	\$ -	\$ -	<u>\$</u>	\$ -	\$	•		urgency, etc.	
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Total	\$	\$ -	\$ 3,500,000	\$ 3-1	\$ -	\$	3,500,000			
#*************************************										
Milestones (high level January-00	targets) open		January-00	open		la-	nuary-00	open		<u> </u>
January-00 January-00 January-00 January-00 January-00	open open open open		January-00 January-00 January-00 January-00	open open open open		Jar Jar Jar	nuary-00 nuary-00 nuary-00 nuary-00	open open open open	Use your jud	should be general, Igement on project that progress can
January-00	open		January-00				nuary-00	open		
Resources Requirements:		20222240-0020-002000-0020-002000-0020								
Internal Labor Availability: Contract Labor:	☐ Low Probability ☑ YES	☐ Medium Probability ☐ NO	✓ High Probability			✓ NO or No				NO or Not Required NO or Not Required

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Capital Project Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__NGD-13.2

Key Performance Indicator(s) Expected Performance Improvements KPI Measure:	
	Prepared signature
	Reviewed signature Director/Manager
	Other Party Review signature May Stury (If necessary) Director/Manager
ļune 25, 2013	The state of the s
Jody Morehouse:	
SUBJECT: Goldendale High Pressure Coating Adhesion	
Asper federal code 49, part 192.451 a costing system must be installed with sufficient adhesion to the metal surface to effectively resist under film migration of moisture. The costing system on the Goldendale HP between the gate station and the regulation station in town appears to consist of a thin plastic. The adhesion of the costing is nonexistent, migration of moisture under the costing is present. Kenny Gilson recently installed test leads at several locations, Ken was asked to visually inspect the pipe and provide photographic evidence of what he observed. The photos are included with the recommendation. Cathodic Protection levels on the piping are at adequate levels. However cathodic protection currents work much like a flash light, the current only gathers on those sections of pipe that are exposed to the soil. Therefore a coating that is loosely adhered to the metal is effectively shielded the pipe from the cathodic protection current and the environment. Therefore a separate corrosion cell can develop between the coating and the metal.	
According to Kenny Gibson the pipe seemed to be in pretty good shape other than the whitish material under the coating adhered to the metal. This is a corrosion product left behind from the corrosion cell between cathodic and anodic areas on the metals surface. The existing pipe would need to be cleaned to an SSPC-SP 5/NACE No. 1 (near white metal) and coated with an epoxy type coating system. Another option would be to remove the HP piping and install a new pipe with and FBE (fusion bonded epoxy) coating.	
Gary Douglas Cathodic Protection Specialist	
To be completed by Capital Planning Group Rationale for decision	Review Cycles
	2012-2016 Date Template
	Jac Femplate

Exhibit No. ___ (DCG-20)
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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Natural Gas Distribution

Business Case Name: Encoder Receiver Transmitter ("ERT") Replacement Program

ER No: ER Name:

3054 Gas ERT Replacement Program

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$846¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	-	-	-	-	-	-		-	-	-	-	-	-
2015	402	31	25	27	30	33	37	43	36	36	35	32	36
2016	444	33	27	30	33	37	41	47	41	41	39	35	41

Business Case Description:

This program covers labor required for the consistent replacement of 19,500 gas ERTs annually for a 12-year cycle, beginning in the year 2015. Analyses has identified that a levelized replacement strategy will minimize the effect of unit failures as well as introduce new, levelized populations of ERTs into the system for future predictive maintenance. Large populations of ERTs are predicted to fail in quantities of over 20,000 units per year at the peak, causing an operations burden of personnel and equipment as well as an unreasonable number of estimated bills (currently Avista experiences just a couple hundred failures annually due to small ERT populations). The cost of the ERT will go against ER1053, not this business case.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 160 of 303 Capital Program Business Case

Avista.

Exhibit No.__(KKS-5)
Attachment No.__NGD-15.1

Requested Amount	ERT Replacemen			Assessments:						
Duration/Timeframe		Year Program		Financial:	7.00%				16 - 2-1 (1)	The second secon
Dept, Area:	Gas Engineering			Strategic:	Life-cycle asse Business Risk			z= 10		
	Mike Faulkenberry Don Kopczynski			Business Risk: Program Risk:				ule and resources		
Sponsor: Category:	Program			Trogram Make	r light cortainty	<u> </u>				
,	n/a			Assessment Score:	#NAME?		Annual Cost	Summary - Increas	e/(Decrease)	
Recommend Program Desc					Performance	Ce	pital Cost	O&M Cost	Other Costs	Business Risk Score
This program covers the co		t of 19,500 gas ERT	s annually for a 1	2 vear cycle.	As ERTs are	Š	901,890	\$ 8,000	\$ -	1
beginning in the year 2015. effect of unit failures as wel predictive maintenance. La per year at the peak, causin unreasonable number of es annually due to small ERT p	Analysis has identifi Il as introduce new, irge populations of E g an operations bure timated bills (curren	ed that a levelized levelized populatio RTs are predicted t den of personnel ar tly Avista experien	replacement strans of ERTs into the fail in quantitiend equipment as ces just a couple	ategy will minimize the le system for future is of over 20,000 units well as an hundred failures	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			Summary - Increas		
Alternatives:		all the same			Performance	Cs	apital Cost	O&M Cost	Other Costs	Business Risk Score
Unfunded Program:	level. At its peak, n requiring a mainten	ore than 20,000 El ance call and estim	RTs are predicted nated bill for cust	se to an unsustainable I to fail annually, each omers. Avista Ie to small populations	n/a	\$	1,058,000	\$ 117,000	\$	
Alternative 1: Brief name of alternative (if applicable)	age, so there will be	ments beyond this a a lag & re-set of t	12 year cycle the his program at th	until all ERTs are n occur at 14 years of at time, however, new ore than 19,500 units	As ERTs are refreshed, trouble calls for field failures	\$	901,890	\$ 8,000	\$ 1000000000000000000000000000000000000	
Alternative 2: Brief name of alternative (if applicable)	years of age was th doing a 'birthday' re	e best advantage. eplacement at 10 ye	This modern stud ears will pull unit	g units older than 10 ly has shown that s with too much life back into the system	Aggressive, early replacement is not desired		1,950,000	\$ 690	\$ 120 minutes	0
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opti	ons that were cons	idered		describe any incremental changes in operations	\$				0
Program Cash Flows	Capital Cost	O&M Cost	Other Costs	Approved		Assoc	lated Ers (list	all applicable):		
Previous		\$ -	\$ -	\$ -			3054			
2014	\$ -	\$	\$.	\$ -						
2015		\$ -	\$ -	\$ 401,890				226 mars 1907		
2016		\$ -	\$ -	\$ 443,960				MEN TROPPER		
2017		\$ -	\$	\$ 494,140 \$ 544,320						
2018 2019		\$ - 3 -	\$ -	\$ 544,320 \$ 596,536						
Z019 Total		\$ -	\$	\$ 2,480,846	4					
ER	2014	2015	2016	2017	2018	10.00	Total	Mandate Excerpt (if applicable):	
3054	\$ -	\$ 901,890	\$ 943,960	\$ 994,140		\$	3,884,310			
0		\$ -	\$ -	\$ -	\$ -	\$	-			
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0	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$				
Total	\$ -	\$ 901,890	\$ 943,960	\$ 994,140		- W. C.	3,884,310			
Resources Regulrements: /									No. No. of Contract C	
Internal Labor Availability: Contract Labor:		☐ Medium Probability ☐ NO	High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	n n	NO or Not Request NO or No or	ulred labor boxes ulred resource ov ulred a general se	should be checked to	acted and to provide If will be provided

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Capital Program Business Case



Exhibit No.__(KKS-5)
Attachment No.__NGD-15.2

	rmance Indicator(s) rformance Improvements		_
Pl Measu			
		Prepared	signature
		•	
		Reviewed	signature
			Director/Manager
			Mario Sellia
		Other Party Revie (if necessar	
			·
	This space is to be used for photographs, charts, or other	data that may be useful in e	evaulating the Program
vista has	over 230,000 gas ERTs in service since the year 2000. There have been large pop	ulation years, such as 2004 an	d 2005, which represent over 100,000 units alone. These ERTs run on batteries
egin. A l	evelized replacement rate of approximately 19,500 units annually, starting in 2015	5, balances the maximum life	of time, peaking at over 20,000 field failures a year unless organized replacements of the battery while reducing the effects of field failures to a manageable level.
he leveliz	ted replacement process also introduces smaller populations of ERTs back into the re year. (Refer to Asset Management Report Titled "ERT Replacement Strategy (e system so the next time bat	eries need replacing there will only be about 19,500 unit families in place for any
	Annual Failures Beyond 19,417 Planned Replacements	Fa	illures in a Run-to-Failure Model
5000 4000	· · · · · · · · · · · · · · · · · · ·	25,000	
2000 3000		20,000	
1000		15,000 III III III III III III III III III	
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		togto	, to, to, to, to, to, to, to, to, to, to
*****	ERT Replacement Program		
\$2,500,600	- Capital Located Labor - Capital Located Recorded (Material Coly) - Capital Located Recorded (Material Coly)	÷ 52.219.500	
\$1.000 000	-0- Constituted Recuber (Statement) -0	a an t-autonomian and an an anti-autonomous theory	
\$1,500,000 -	costs)		
	2000 (503)- Albarid 51,017,040 51,111,400 51.4	180,900	
51,020,000	593(84) 594(85) 594(14)		
\$100,000			Review Cycles 2012-2016
	512.512 512.652 513.1615 12.05.717 52.05.05 513.1615	Date	Template
\$3 20		1030 2081 Bate	

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AVISTA UTILITIES 2014-2017 CAPITAL PROJECTS

Functional Group: Gas Underground Storage **Business Case Name:** Jackson Prairie Storage

ER No: ER Name:

7201 Jackson Prairie Storage

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$3,070¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	205	-	-	-	-	-	-	-	-	-	204	2	-
2015	1,356	53	27	115	37	112	378	324	231	3	37	37	3
2016	1,175	98	98	98	98	98	98	98	98	98	98	98	98

Business Case Description:

Jackson Prairie (JP) Underground Storage Facility stores natural gas. Avista owns this facility as a 1/3 partner with Puget Sound Energy and Williams' Northwest Pipeline. Puget Sound Energy is the managing partner for the facility, which is located in Chehalis, WA. The requested capital represents Avista's 1/3 share of the capital needed to maintain the existing facility and maintain equal ownership status. The purpose of the facility is to allow Avista to serve customers on a peak day, and to purchase natural gas at potentially lower costs during off-peak periods and store that gas for use during high cost periods.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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Capital Investment Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__GUS-1.1

Investment Name:	Jackson Prairie	Storage			•				
Requested Amount	\$1,000,000 20+	Year Program		Assessments:	High - Exceed	e 12% CIDD			
Duration/Timeframe Dept, Area:	Natural Gas Res	The second secon		Financial: Strategic:	Reliability & C	water was a contract the same and the same a			
Owner:	Steve Harper	Carcos		Operational:		quire execution to	perform at current	levels	
Sponsor:	Jason Thackstor	1		Business Risk:	ERM Reduction	New complete and the surface and antique of contract and a sec-			
Category:	Program			Program Risk:		around cost, sche			
	n/a			Assessment Score:	116	- Participation of the Control of th	t Summary - Increas	N CONTROL OF THE PROPERTY OF T	
Recommend Program Desi	code and a second	4 4	- Autoba ausona bla	Ja faatlibeen a 1/2	Performance	Capital Cost	O&M Cost	Other Costs \$ -	Business Risk Score 2
Jackson Prairie (JP) Undergrather with Puget Sound Expartner for the facility which share of the capital needed purpose of the facility is to potentially lower costs duri	nergy and Williams h is located in Cheh to maintain the exi allow Avista to serv	' Northwest Pipelin alis, WA. The requi sting facility and ma e customers on a p	e. Puget Sound E ested capital repr aintain equal owr eak day, and to p	nergy is the managing esents Avista's 1/3 nership status. The urchase natural gas at	describe any incremental changes that this Program would benefit present operations	\$ 1,000,000			
Alternatives:					Performance	Annual Cos Capital Cost	t Summary - Increas	se/(Decrease) Other Costs	Business Risk Score
Status Quo:	Avista to fund its 1 percentage. Votin	/3 capital obligation g rights would be d	n would dilute Av eminished and th	bligation. Failure by vista's ownership verefore decisions made Avista or its customers.	n/a		\$ -	\$	20
Alternative 1: Brief name of alternative (if applicable)	approximately \$1, \$539,000 in 2014.	000,000 per year lo Capital needs vary	oking forward. C year-to-year, but	on. Estimated to be ost is estimated to be relate to well, nd control facilities.	describe any incremental changes in operations	\$ 1,000,000	\$	\$ -	2
Alternative 2: Brief name of alternative (if applicable)	obligation. Voting	The Table of the State of the S	eminished and the	l's 1/3 capital erefore decisions made Avista or its customers.	describe any incremental changes in operations				2
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other op	tions that were con	sidered		describe any incremental changes in operations	\$	\$	\$	0
Program Cash Flows					Associated Ers	(list all applicable):			
2012-2016	Capital Cost	O&M Cost	Other Costs	Approved	ER 7201				
Previous		\$ -	\$ -	\$ -	Service Control				Participation of the same and t
2012			\$ -	\$ 630,000		Contract Con			
2014 2015 2016 2017 2018 2019 Future Total	\$ 1,000,000 \$ 1,000,000 \$ 1,000,000 \$ 1,000,000 \$ - \$1,000,000/year	\$ - \$ - \$ - \$ - \$ -	\$	\$ 539,000 \$ 1,356,300 \$ 1,175,000 \$ 1,117,000 \$ 1,210,000 \$ 1,085,000 \$ - \$ 7,662,300					
Mandate Excerpt (If applic provide brief citation of th		n and a reference	number if poss	sible					
Additional Justifications: While not a mandated proj	ect by definition, th	is Program is not or	ne that can easily	be terminated. The use	a of JP is docume	nted and acknowled	ged as part of Avista	's Integrated Resour	ce Plan.
Resources Requirements: (request forms and	approvals attached)							
Internal Labor Availability: Contract Labor: Key Performance Indicator Expected Performance Improver	□ YES (s) nents	☐ Medium Probability ☑ NO	☐ High Probablity	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form	✓ NO or Not Requ ✓ NO or Not Requ	ured internulared should resourced contact sense provide	the appropriate box. Tal and contract labor b I be checked to indicatice owners have been ted and to provide a g of how likely staff will led (this does not requi	oxes e if the eneral be
KPI Measure:	Avoided gas costs Fill in the name of	through use of JP st the KPI here	orage				Collin		<u> </u>
\$1%,50%,50%	IP WA/ID Avoided W		310.000.000.000.000.000.000.000	Prepared	signature				
14 CONCRETE									

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Capital Investment Business Case

AVISTA

Exhibit No.__(KKS-5) Attachment No.__GUS-1.2

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52 414 644		(if necessary) Director/Manager
\$-	2005-2007	,

	ERM Risk	Status	Riskon			Status Quo Ris			
Business Case	Reduction	Quo Raw Score	Completion Raw Score	Financial Impact (Consequential Costs/Revenues)	Likelihood	Legal, Regulatory, External Business Affairs	Ukelihood	Customer Service and Reliability (# customers * duration of an outage)	Likelihood
				5->\$10MM	< Once / year	3 - Could result in a sustained negative impact to local, online, or industrial relationships and / or national / global media coverage			
				Environmental	Likelihood	Safety and Health: Public	Likelihood	Safety and Health: Employee	Likelihood
						11 - Potential for injury Public health infrastructure impact up to 8 hours	I< Once / year	The Property of the Control of the C	137
ackson Prairie	18	20	2			Risk upon Comple	tion		
torage	10	20	2	Financial Impact (Consequential Costs/Revenues)	Likelihood	Legal, Regulatory, External Business Affairs	Likelihood	Customer Service and Reliability (# customers * duration of an outage)	Likelihood
				1 - < \$200k	< Once / 10 years	1 - No likely impact on media or regulatory relationship.	< Once / 50 years		3 2 2
				Environmental	Likelihood	Sefety and Health: Public	Likelihood	Safety and Health: Employee	Likelihood
						1 - Potential for injury Public health infrastructure impact up to 8 hours	< Once / 50 years	1 - Potential for Injury	< Once / 50 yea

ationale for decision		Review Cycles
		2012-2016
	Date	Template

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AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Transportation

Business Case Name: Fleet Budget

ER No: ER Name:

7000 Transportation Equip

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$21,100¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	1,404	-	-	-	-	-	-	-	-	-	(0)	939	465
2015	7,700	643	641	641	641	642	641	643	641	641	642	642	641
2016	7,700	643	641	641	641	642	641	643	641	641	642	642	641

Business Case Description:

Fleet utilizes a Vehicle Replacement Model analysis program to determine which vehicles are replaced for the next budget cycle. This program utilizes our internal data regarding equipment utilization, repair costs, purchase costs, disposal costs, and business needs across all classes of equipment. This provides a consistent and level spend to cover all departments effectively. This contributes to the operational readiness for all departments and our Company as a whole. The 5 year projection includes analysis of 19 classes of vehicles in total and the replacement of over 600 assets.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

						ts Business Risk Score			Business Risk Score	C	Page 16	Page 166 of 303	ckets UE-150204/UG-150205 Page 166 of 303	ckets UE-150204/UG-150205 Page 166 of 303	At Page 166 of 303	Page 166 of 303 Attach	Page 166 of 303 Attachme	Page 166 of 303 Attachment	Page 166 of 303 Attachment N	Page 166 of 303 Attachment No	Attachment NoT
			esources		r - Increase/(Decrease)	Other Costs	✓	r - Increase/(Decrease)	O&M Cost Other Costs Rusi		- \$ 644 -	79 \$ 66 \$ 86 \$ 99	\$ 66 \$ 66	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	\$ 66 \$ \$ \$ \$	\$ 6.09° \$ 660°	\$ 6.09°	\$ 6.09°	\$ 6.09 	- \$ 6.09°	600 Barb \$ 600° \$ 600°
	anagement	Business Risk Reduction >0 and <= 5	High certainty around cost, schedule and resources		Annual Cost Summary - Increase/(Decrease)	Capital Cost 0&M Cost	\$ 000,007,77	Annual Cost Summary - Increase/(Decrease)		Capital Cost D&M	Capital Cost	Capital Cost	3,850,000 \$ 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	3,850,000 \$ 3,850,000 \$ 5 \$ 0.000	(aprint Cost - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	3,850,000 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,850,000 \$ 1,9	Capital Cost	Capital Cost - \$ 2,1 3,850,000 \$ 1,9 - \$ \$ 2,000 - \$ \$ 7,000	Capital Cost	Capital Cost
7.00%	Life-cycle asset management	Business Risk Rec	High certainty arou		#NAME?	Performance	describe any sincremental incremental this Program would benefit present operations			Performance	Performance Unreliable \$ equipment, failed commitments	Performance Unreliable equipment, failed commitments Less reliable equipment. Risk to operation's	Performance Unreliable equipment, failed commitments Less reliable equipment. Risk to operation's describe any incremental changes in operations	Performance Unreliable equipment, failed commitments Less reliable equipment. Risk to operation's describe any incremental changes in operations describe any incremental changes in operations describe any incremental	Performance Unreliable equipment, failed commitments Less reliable equipment. Risk to operation's describe any incremental changes in operations describe any incremental changes in operations	Performance Unreliable equipment, failed commitments Less reliable equipment. Risk to operation's describe any incremental changes in operations describe any incremental changes in operations describe any incremental	Performance Unreliable equipment, failed commitments Less reliable equipment. Risk to operation's describe any incremental changes in operations describe any incremental changes in operations describe any incremental changes in operations	Performance Unreliable equipment, failed commitments Less reliable equipment. Risk to operation's describe any incremental changes in operations describe any incremental changes in operations describe any incremental	Performance Unreliable equipment, failed commitments Less reliable equipment. Risk to operation's describe any incremental changes in operations describe any incremental	Performance Unreliable equipment, failed commitments Less reliable equipment. Risk to operation's describe any incremental changes in operations describe any incremental changes in operations	Performance Unreliable equipment, failed commitments Less reliable equipment. Risk to operation's describe any incremental changes in operations describe any incremental changes in operations
am Financial:	101	Business Risk:	Program Risk:		Assessment Score:		Fleet utilizes a VRM (Vehicle Replacement Model) analysis program to determine which vehicles get replaced for the next budget cycle. This program utilizes our internal data regarding equipment utilization, repair costs, purchase costs, disposal costs, and business needs across all classes of equipment. This provides a consistent and level spend to cover all departments effectively. This contributes to the operational readiness for all departments and our company as a whole. The 5 year projection includes analysis of 19 classes in total and the replacement of over 600 assets.				Continue to maintain and repair equipment, but replace only when repairs are no longer an option. Minimal Capital expenditure with a maximum expenditure on O&M.	Continue to maintain and repair equipment, but replace only when repairs are no longer an option. Minimal Capital expenditure with a maximum expenditure on O&M. Cut Spend by 50% to focus only on equipment that is at the end of it's life cycle, is at the upper end of repair costs, and is difficult to replace with a rental if equipment fails mid-year. This will create less spend on Capital, with an increase in O&M spend.	equipment, but replace only when repairs al Capital expenditure with a maximum on equipment that is at the end of it's life air costs, and is difficult to replace with a ar. This will create less spend on Capital, with e considered	equipment, but replace only when repairs al Capital expenditure with a maximum on equipment that is at the end of it's life air costs, and is difficult to replace with a ar. This will create less spend on Capital, with e considered	equipment, but replace only when repairs al Capital expenditure with a maximum on equipment that is at the end of it's life air costs, and is difficult to replace with a ar. This will create less spend on Capital, with e considered	equipment, but replace only when repairs al Capital expenditure with a maximum on equipment that is at the end of it's life air costs, and is difficult to replace with a ar. This will create less spend on Capital, with e considered e considered e considered st Other Costs Approved - \$	equipment, but replace only when repairs al Capital expenditure with a maximum on equipment that is at the end of it's life air costs, and is difficult to replace with a ar. This will create less spend on Capital, with e considered e considered e considered st Other Costs Approved - \$ - 6	equipment, but replace only when repairs al Capital expenditure with a maximum on equipment that is at the end of it's life air costs, and is difficult to replace with a ar. This will create less spend on Capital, with e considered e considered e considered - \$ - \$	equipment, but replace only when repairs al Capital expenditure with a maximum on equipment that is at the end of it's life air costs, and is difficult to replace with a arr. This will create less spend on Capital, with e considered e considered e considered by the Costs Approved c S - S,700,000 c S - S,700,000 c S - S,700,000 c S - S,700,000	but replace only when enditure with a maxim that is at the end of is difficult to replace vereate less spend on Careate les spend on Careate les spend on Careate les spend on C	equipment, but replace only when repairs al Capital expenditure with a maximum on equipment that is at the end of it's life air costs, and is difficult to replace with a ar. This will create less spend on Capital, with e considered e considered st Other Costs Approved - \$ - \$ 5,700,000 - \$ - \$ 7,700,000 - \$ - \$ 7,700,000 - \$ - \$ 7,700,000 - \$ - \$ 7,700,000 - \$ - \$ 7,700,000 - \$ - \$ 7,700,000 - \$ - \$ 7,700,000 - \$ - \$ 7,700,000 - \$ - \$ 7,700,000
5 Year Program	Fleet Services	Chris Schlothauer	Don Kopczynski	Program	n/a	otion:	Fleet utilizes a VRM (Vehicle Replacement Model) analysis program treplaced for the next budget cycle. This program utilizes our internal utilization, repair costs, purchase costs, disposal costs, and business natilization, repair costs, purchase costs, disposal costs, and business native provides a consistent and level spend to cover all departments el operational readiness for all departments and our company as a whol analysis of 19 classes in total and the replacement of over 600 assets.				Continue to maintain and repair e are no longer an option. Minimal expenditure on O&M.	Continue to maintain and repair equipment, but replace only vare no longer an option. Minimal Capital expenditure with a nexpenditure on O&M. Cut Spend by 50% to focus only on equipment that is at the encycle, is at the upper end of repair costs, and is difficult to replantal if equipment fails mid-year. This will create less spend of an increase in O&M spend.	Continue to maintain and repair equipment, are no longer an option. Minimal Capital expexpenditure on O&M. Cut Spend by 50% to focus only on equipmer cycle, is at the upper end of repair costs, and rental if equipment fails mid-year. This will can increase in O&M spend. Describe other options that were considered	Continue to maintain and repair equipment, are no longer an option. Minimal Capital expexpenditure on O&M. Cut Spend by 50% to focus only on equipmer cycle, is at the upper end of repair costs, and rental if equipment fails mid-year. This will can increase in O&M spend. Describe other options that were considered Describe other options that were considered	ontinue to maintain and repair e e no longer an option. Minimal spenditure on O&M. Lt Spend by 50% to focus only o role, is at the upper end of repairntal if equipment fails mid-year increase in O&M spend. escribe other options that were escribe other options that were	ontinue to maintain and repair ere no longer an option. Minimal spenditure on O&M. Lat Spend by 50% to focus only or rele, is at the upper end of repair increase in O&M spend. escribe other options that were cascribe other options that were cascribe other options.	ontinue to maintain and repair e e no longer an option. Minimal spenditure on O&M. It Spend by 50% to focus only o role, is at the upper end of repairental if equipment fails mid-year increase in O&M spend. escribe other options that were escribe other options that were capital Cost Capital Cost 7,595,175	ontinue to maintain and repair e e no longer an option. Minimal spenditure on O&M. Lt Spend by 50% to focus only o role, is at the upper end of repairental if equipment fails mid-year increase in O&M spend. escribe other options that were escribe other options that were capital Cost Capital Cost 7,595,175 \$	ontinue to maintain and repair e e no longer an option. Minimal spenditure on O&M. Lat Spend by 50% to focus only or cle, is at the upper end of repairnal if equipment fails mid-year increase in O&M spend. Escribe other options that were escribe other options that were capital Cost Capital Cost Capital Cost Capital Cost S 7,595,175 8,085,000 \$	ontinue to maintain and repair ere no longer an option. Minimal spenditure on O&M. It Spend by 50% to focus only orde, is at the upper end of repairntal if equipment falls mid-year increase in O&M spend. escribe other options that were escribe other options that were escribe other options \$\$ \$\$ 7,595,175\$\$\$ \$\$ 7,795,000\$\$\$ \$\$ 8,489,250\$	ontinue to maintain and repair e e no longer an option. Minimal spenditure on O&M. It Spend by 50% to focus only orde, is at the upper end of repairntal if equipment fails mid-year increase in O&M spend. escribe other options that were escribe other options that were escribe other options (\$\$ 7,595,175\$\$\$ \$\$ 7,700,000\$\$\$ \$\$ 8,883,250\$\$\$\$ \$\$ 8,913,713\$\$\$\$\$\$\$\$\$
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Internal Labor Availability: Contract Labor:	ity: Low Probability	Medium Probability		High Probability	Enterprise Tech: Facilities: Capital Tools:	orise Tech: [ies:]	YES - attach form YES - attach form YES - attach form	U C UNO OF N	✓NO or Not Required ✓NO or Not Required ✓NO or Not Required	Check the appropriate box. The internal and contract labor boxes should be checked to indicate if the resource owners have been contacted and to provide a general sense of how likely staff will be provided	(DCG-20) I/UG-150205 f 303
					Fleet:		√YES - attach form	NO Or N	NO or Not Required	(this does not require a firm committment).	5
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Capital Program Business Case

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Exhibit No.__(KKS-5)
Attachment No.__ET-1

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Enterprise Technology

Business Case Name: AvistaUtilities.com Redesign

ER No: ER Name:

5143 AU.com & AVANet Redevelopment

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$7,037 1

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	1,538	-	-	-	-	-	-	-	-	-	-	-	1,538
2015	4,125	-	-	-	-	-	-	-	-	-	-	4,125	-
2016	2,000	-	-	-	-	-	-	-	-	-	-	-	2,000

Business Case Description:

Refresh of the AvistaUtilities.com website to improve navigation, updating the look and feel of the overall site, creating a new homepage layout, and improving self-service and search functionality for customers. Since 2008, web usage on the AvistaUtilities.com site has increased by more than 55% and usability standards have since then changed to incorporate the emergence of mobile app technologies. The refresh includes improved functionality to allow for more customer self-serve use on our website.

Offsets:

\$100,000 of additional O&M costs are included with this business case which negate the \$100,000 of O&M savings (see attached business case "Other Costs.") These savings are related to reduction in labor due to efficiencies gained by customers being able to navigate the website effectively. No offset has been included in the O&M Offset adjustment for this business case.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 171 of 303 Capital Program Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ET-1.1

nvestment Name:	AvistaUtilities.co	m Redesign							
tequested Amount Ouration/Timeframe	\$1,500,000 3	Year Project		Assessments: Financial:	7.00%				
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wner:	Dana Anderson, J			Business Risk:		Reduction >5 and	1 <= 10 schedule and reso	urree	
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pplicable)					capability and new technology				
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January-00	open		January-00	open		January-00	open		

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 172 of 303 Capital Program Business Case

Exhibit No.__(KKS-5)

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			d approvals attached)							
Internal Labo	or Availability:	Low Probability	Medium Probability	✓ High Probablity	Enterprise Tech:		NO or Not Required	Capital Tools:	YES - attach form	NO or Not Required
Contract Lab	or:	✓ YES	Ом		Facilities:	YES - attach form	✓ NO or Not Required	Fleet:	YES - attach form	NO or Not Required
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Attachment	1: Project Cl	harter								
		ddendum for AU	.com							

Expected Perfo	ormance Improvements			
KPI Measure	: Fill in the name of the KPI here			
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Attachment	t 1: Project Charter t 2: Charter Addendum for AU.com t 2: Charter Addendum for AVAnet			
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To be com	pleted by Capital Planning Group			
Rational	e for decision		Review Cycles	
			2012-2016	
		Date	Template	

onale for decision		Review Cycles 2012-2016
	Date	Template

Exhibit No.__(KKS-5)
Attachment No.__ET-2

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Enterprise Technology

Business Case Name: Enterprise Business Continuity Plan

ER No: ER Name:

5010 Enterprise Business Continuity

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$ 1,382 1

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	121	-	-	-	-	-	-	-	-	-	-	-	121
2015	450	-	-	113	-	-	113	-	-	113	-	-	113
2016	450	-	-	113	-	-	113	-	-	113	-	-	113

Business Case Description:

Avista has developed an Enterprise Business Continuity Plan ("EBCP") to facilitate emergency response and business continuity activities in fulfillment of our mission to provide safe and reliable service to our customers. The program supports the Enterprise Business Continuity objectives by providing an all-hazards framework for emergency response, technology recovery, alternate facilities and business continuity activities. The program provides communications, escalation and operational procedures necessary for efficient response to events.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205

Page 174 of 303 Capital Program Business Case

Exhibit No.__(KKS-5) Attachment No.__ET-2.1

Investment Name: Requested Amount	Enterprise Busin	ness Continuity I	Plan	Assessments:	·										
Duration/Timeframe		Year Program		Financial:	High - Exceeds 12% CIRR										
Dept, Area:	Enterprise Techn	ology		Strategic:	Other										
Owner:	Clay Storey/Jim (Corder		Operational:	Operations improved beyond current levels										
Sponsor:	Jim Kensok			Business Risk:	ERM Reduction										
Category:	Program			Program Risk:	High certainty				the second distriction of the second	A STATE OF THE PARTY OF THE PAR					
Mandate/Reg. Reference:	n/a			Assessment Score:	106	CONTRACTOR OF THE PARTY OF THE		. Calabata access	manakay a samana a Salah (1935)	e/(Decrease)					
Recommend Program Desi					Performance	0.0000000000000000000000000000000000000	Capital Cost	-11.00000000000000000000000000000000000	&M Cost	Other Costs	Business Risk Score				
Avista has developed an En business continuity activitie Continuity objectives by pro recovery, alternate facilities escalation and operational Justifications: " for more inf	es in fulfillment of ou oviding an all-hazard s and business conti procedures necessa	ur mission. The prog ds framework for en nuity activities. The	ram supports th nergency respon program provide	e Enterprise Business se, technology es communications,	This is a risk mitigation program	\$	482,000	\$	498,755		4				
Alternatives									ary - Increas		Developes Diele Cases				
Alternatives:	Ingget ann		Lilla . A		Performance		Capital Cost		&M Cost	Other Costs	Business Risk Score 25				
Unfunded Program:	emergency event v longer delays in the shareholders, pote	will be diminished. e restoration of bus ntially even action b	This will have the iness services for by the utility com	our customer and nmission against Avista.	n/a	\$		\$		\$ -					
Alternative 1: Brief name of alternative (if applicable)	facilitate emergend of our mission.	ed an Enterprise Bu cy response and bus orts the Enterprise I	iness continuity	activities in fulfillment	This is a risk mitigation program	\$	482,000	\$	498,755		4				
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Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opt		describe any incremental changes in operations	\$	Ī	\$			0						
						3200000000		BSSESSES							
Program Cash Flows					Associated Ers	-	ii applicable):								
5 years of costs	Capital Cost	O&M Cost	Other Costs	A	5010	J		55555							
Establish received the transference	\$ 482,000		Utilei Custs	Approved \$ 482,000											
2012			\$ -	\$ 482,000	Regulation of	V V V V V V V V V V V V V V V V V V V				House and the contract of the					
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2014			\$	\$ 482,000											
2015	\$ 450,000	\$ 655,818	\$ -	\$ 450,000											
2016	\$ 450,000	\$ 701,358	\$ -	\$ 450,000											
2017	\$ 450,000	\$ 746,898	\$	\$ 450,000											
2018	\$ 450,000	\$ 792,438	\$	\$ 450,000											
2019		\$ -	\$ -	\$ 450,000											
Total	\$ 3,482,000	\$ 4,545,186	<u> </u>	\$ 3,696,000											
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Resources Requirements: ((request forms and a	approvals attached)							Earline Control						
Internal Labor Availability: Contract Labor:	Low Probability YES	☐ Medium Probability ☐ NO	☑ High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	✓ YES - attach form ✓ YES - attach form ☐ YES - attach form ☐ YES - attach form	1	NO or Not Request NO or No or	iired iired	labor boxes resource ow a general se	opropriate box. The i should be checked to ners have been conta nse of how likely staf ot require a firm com	acted and to provide f will be provided				

AVISTA

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 175 of 303 Capital Program Business Case

Exhibit No.__(KKS-5) Attachment No.__ET-2.2

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xpected Performance Improvements (PI Measure: Fill in the name of the KPI here			
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		- A	21
	Other Party Review	w signature Maure	Stwas Director/Manager
	(II Necessar)	,,	Бітосолишішде
The Program is planned to include the following Projects in the next 5 years:	•		
Enterprise Business Continuity management software Alternate facilities infrastructure Includes AFM/OMT in Disaster Recovery Includes Mobile Dispatch in Disaster Recovery Includes AMR systems(Fixed network, AutoSOI, MV90, others) in Disaste			
, Fliesystem expansion in bisaster recovery			
•			
To be completed by Capital Planning Group			
Fo be completed by Capital Planning Group Rationale for decision			Review Cycles 2012-2016
Fo be completed by Capital Planning Group Rationale for decision		Date	2012-2016
To be completed by Capital Planning Group Rationale for decision		Date	

Exhibit No.__(KKS-5)
Attachment No.__ET-3

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Enterprise Technology

Business Case Name: Mobility in the Field

ER No: ER Name:

5144 Mobility in the Field

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$1,2701

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	189	-	-	-	-	-	-	-	-	-	12	5	173
2015	450	-	-	113	-	-	113	-	-	113	-	-	113
2016	320	-	-	80	-	-	80	-	-	80	-	-	80

Business Case Description:

This program is to increase the Company's mobility in the field using mobile devices. A Mobile Road Map Team has documented 30 opportunities where mobile technology could be used in the field. The top opportunities, with the highest benefit and savings, are included over the five-year program. The first phase is the project called "Visibility in the Field", which will assist in Leak Survey and Gas Service Dispatch by providing spatial maps in the field using a mobile device.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 177 of 303 Capital Program Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ET-3.1

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<u> 200</u>		r field personnel to have a synch information back an	r field personnel to have a Mobility in the Field synch information back and forth when connec	r field personnel to have a Mobility in the Field Program. We now synch information back and forth when connection is successful to	r field personnel to have a Mobility in the Field Program. We now have less expensive in synch information back and forth when connection is successful to wi-fi or cellular. Advance the tools that make them more efficient in their work processes, able to post data

_ (DCG-20) Exhibit No. _ Dockets UE-150204/UG-150205 Page 178 of 303 Capital Program Business Case

AVISTA

Attachment No. ET-3.2 YES - attach form ✓ YES □ю Contract Labor: Facilities: YES - attach form NO or Not Required resource owners have been contacted and to provide Capital Tools: YES - attach form NO or Not Required a general sense of how likely staff will be provided Fleet: YES - attach form ☐ NO or Not Required (this does not require a firm committment). Key Performance Indicator(s) Expected Performance Improvements KPI Measure: To be determined by each project Fill in the name of the KPI here signature Prepared 2500 2000 ∍Base Line 1500 -Project FO Rate Reviewed signature – Poly. (Hours) Director/Manager 1000 500 Other Party Review signature This graph is to provide a place to direct the KPI benefit. Providing a graph is (if necessary) recommended to help communicate what the project is intended to This space is to be used for photographs, charts, or other data that may be useful in evaulating the Program

decision		Review Cycles
		2012-2016
	Date	Template

Exhibit No.__(KKS-5)

Exhibit No.__(KKS-5)
Attachment No.__ET-4

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Enterprise Technology

Business Case Name: Technology Refresh to Sustain Business Process

ER No: ER Name:

5005 Information Technology Refresh Program

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$47,552 1

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	5,421	-	-	-	-	-	-	-	-	-	1,131	570	3,721
2015	18,595	-	-	4,649	-	-	4,649	-	-	4,649	-	-	4,649
2016	16,095	-	-	4,024	-	-	4,024	-	-	4,024	-	-	4,024

Business Case Description:

This program is in place to provide for technology refresh in alignment with the roadmaps for application and technology lifecycles. The continuation of technology refresh programs provides benefit to Avista by providing a stable and reliable application and computing platform to allow for the safe and reliable operation of our electric and gas infrastructure.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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Dockets UE-150204/UG-150205
Page 180 of 303
Capital Program Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ET-4.1

Investment Name: Requested Amount	Technology Ref	resh to Sustain I	Business Proce 15,362,243	Assessments:					
Duration/Timeframe		Year Program		Financial:	Medium - >= 5	% & <9% CIRR			and the state of t
Dept, Area:	IS/IT			Strategic:	Life Cycle Prog				
Owner:	Jacob Reidt/Jim	Corder		Operational:		uire execution to p	erform at current	levels	
Sponsor:	Jim Kensok Program			Business Risk: Program Risk:	Transfer and published to have proved to provide the second	n >5 and <= 10 around cost, sched	fule and resource	e .	
	n/a			Assessment Score:	89		Summary - Increa	Annual Control of Cont	
Recommend Program Desc				Passessificité score:	Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
This program is in place to p	A COMPANY OF THE PARTY OF THE P	av refrech in aliann	nent with the roa	dmans for application	This program	\$ 15,362,243	Convicose	S -	15
and technology lifecycles. Ti providing a stable and reliat operation of our electric and	he continuation of t ole application and	echnology refresh p computing platform	orograms provide	es benefit to Avista by	provides for current technologies for the normal operation of the business		Summary - Increa		
Alternatives:	170711		94-405g		Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
Unfunded Program:	Not doing this proc	ram will result in fo	our major impact	s: 1) Reduction of 62	The	\$ -	CUIN COR	\$ 1,895,751	20
	staff members with process efficiency :	n key institutional k	nowledge 2) Dec labor to support	rease in business the technology 4)	performance of the computing technology at	A	1		
Technology Refresh Programs	the roadmaps for a technology refresh and reliable applica	pplication and tech	inology lifecycles benefit to Avista g platform to allo		This program provides for current technologies for the normal	\$ 15,362,243			15
Alternative 2: Brief name of alternative (if applicable)	Describe other opt	ions that were cons	ildered		describe any incremental changes in operations		The state of the s	\$	
Alternative 3 Name: Brief name of alternative (If applicable)	Describe other opt	ions that were cons	idered		describe any incremental changes in operations	\$	3	\$	Ö
	charlian dan Magarataga ay John G. W William J. Art at Joseph W.								
Program Cash Flows						list all applicable):	2.55		pt - 45 Bos
5 years of costs	And Continue III and Continue to the continue of the continue		I a second a second a second a second a second a second a second a second a second a second a second a second		5005		Barana rangangu		
	Capital Cost	O&M Cost	Other Costs	Approved	S. G. S. Self-Cattle				Secretary Visit Co.
2013	\$ 9,973,758 \$ 10,019,774		\$ -	\$ 9,973,758 \$ 11,110,491			SEVER SERVICE CONTRACTOR		
2014			\$ -	\$ 15,362,243					Maria de la companya
2015	\$ 13,949,536		\$ -	\$ 16,094,833	-				
2016		\$	\$ -	\$ 16,094,833					
2017	\$ 19,031,035	\$ -	\$ -	\$ 16,094,833					
2018		\$ -	\$ -	\$ 18,094,833					
2019	0. * 10. En 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.	\$ -	\$ -	\$ 20,094,833 \$ 102,825,824				4	
Total Mandate Excerpt (if applica	ble):	\$ -							
provide brief citation of th	e law or regulation	n and a reference	number if poss	ible					
Additional Justifications: Technology refresh program and improve their systems t reason is due to the addition in 3-5 years adding to the re and \$500k in Network Syste	o provide improved n of new hardware fresh budget. For e	I performance and and software to sup example, infrastruct	function. This in oport new busine ure refresh costs	turn requires compani ss requirements and g the increase from yea	es to replace syste owth. New equip r to year due to pr	m on a periodic basi ment purchased und lor years spend in Te	s to maintain reliab der Technology Exp echnology Expansio	illity and functionality ansion Program will I n, roughly \$800k in C	y. The second main nave to be refreshed Distributed Systems
Resources Requirements: (request forms and a	pprovals attached)							
Internal Labor Availability:		☐ Medium Probability ☐ NO	☑ High Probabilty	Enterprise Tech: Facilities: Capital Tools: Fleet:	✓ YES - attach form ✓ YES - attach form	NO or Not Request No or No or	ired labor boxes ired resource of ired a general s	appropriate box. The ir s should be checked to wners have been conta ense of how likely staff not require a firm comr	indicate if the cted and to provide will be provided

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 181 of 303 Capital Program Business Case



Exhibit No.__(KKS-5)
Attachment No.__ET-4.2

Key Performance Indicator(s) Expected Performance Improvements					
KPI Measure: Fill in the name of the KPI here					
Fill in the name of the KPI here	 Prepared	signature			
	Reviewed	signature			
			С	Director/Manager	
	Other Party Reviev (if necessary	v signature	Margin	Stuurs- Director/Manager	
This space is to be used for photographs, charts, o	or other data that ma	ay be useful in ev	aulating the Program		
		· · · · · · · · · · · · · · · · · · ·			
To be completed by Capital Planning Group					
Rationale for decision				Review Cycles 2012-2016	
					the Company of the Co
		Date		Template	

Exhibit No.__(KKS-5)
Attachment No.__ET-5

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Enterprise Technology

Business Case Name: Customer Service System Replacement (Project Compass)

ER No: ER Name:

5138 Customer Information System (CIS) Replacement

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$110,000 1

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	95,108	-	83,820	4,000	2,600	4,688	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-	-	-

Business Case Description:

The Customer Information System (CIS) will be implemented in two waves. The first wave includes the Maximo application in the Company's areas of Generation, Production, and Substation Support. This wave has an estimated go-live date or transfer to plant date of September 2013. The second wave, includes Maximo application in the Company's areas of Transmission, Distribution, and Gas Operations, as well as the Customer Care and Billing application. This large technology project is described in detail in the testimony of Mr. Kensok.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No.__(KKS-5)
Attachment No.__ET-6

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Enterprise Technology

Business Case Name: Enterprise Security

ER No: ER Name:

5014 Security Systems

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$8,335¹

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	666	-	-	-	-	-	-	-	-	-	-	-	665
2015	3,800	-	-	950	-	-	950	-	-	950	-	-	950
2016	3,200	-	-	800	-	-	800	-	-	800	-	-	800

Business Case Description:

This program is to maintain and improve all security aspects to protect people, assets, information & operations through projects, activities and polices. It will also manage the number of security incidents at level that aligns with our corporate risk expectations. Additionally it will increase the culture of security through education and training.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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Capital Program Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ET-6.1

Investment Name:	Enterprise Secu	rity				Jillywyddianau (1777)				
Requested Amount	\$1,836,932	Voor Brogram		Assessments:	12%				All the second second	
Duration/Timeframe		Year Program		Financial: Strategic:	Agile Technolo	av Dia				
Dept, Area:	Enterprise Techn Clay Storey/Jim C			Business Risk:	Business Risk			/= 10		
Owner: Sponsor:	Jim Kensok	/Oldel		Program Risk:				ule and resources		300000000000000000000000000000000000000
Category:	Program			l rogram man.						
Mandate/Reg. Reference:				Assessment Score	#NAME?		Annual Cost	Summary - Increas	se/(Decrease)	
Recommend Program Desc					Performance	Са	pital Cost	O&M Cost	Other Costs	Business Risk Score
This program is to maintain	Section 1997	urity aspects to pro	otect people, asse	ets. Information &	Nei Standerstage	5	1,836,932	\$ -	\$ -	9
operations through project:	published the first of the second section of the section of the sec	esti i prili 1900 il 1900. Perturbationi pri 1900 il 1900 il 1900 il 1900 il 1900 il 1900 il 1900 il 1900 il 1			at					
level that aligns with our co										
through education and train	ning.									
						15-53		SECTION AND SECTION OF THE PROPERTY OF THE		
			Na Carlos					Summary - Increas		
Alternatives:	F 10			t at	Performance	La	pital Cost	O&M Cost	Other Costs	Business Risk Score 15
Unfunded Program:	Address issues rela		en traktigen in Albert transpole	compliance as they				\$ -	\$ 5,000,000	15
	arise and pay fines	as there are assess	eu.		security incidents				ge de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	
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Alternative 1: Brief name	This program is to	maintain and impre	ve all security as	nects to protect	Decreases the	4	1,836,932	\$ -	\$ -	9
of alternative (if	people, assets, info				likelihood or					
	polices. It will also	and the first and the property of the first and the first	and the first of t		severity of	I .				
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Alternative 2: Brief name		The second secon				\$		\$ -	\$ -	0
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applicable)										
Alternative 3 Name: Brief					[C. 15 35 55 50 50 00	Ś		Š -	\$ -	0
name of alternative (if						ľ				
applicable)										
Program Cash Flows		555555								
riogiam cash riows	Capital Cost	O&M Cost	Other Costs	Approved		Associ	iated Fre (list	all applicable):		
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2015	\$ 1,885,000	\$ -	\$ -	\$ 3,200,0	00					
2016	\$ 1,885,000	\$ -	\$ -	\$ 3,200,0	00					
2017	\$ 1,885,000	\$ -	\$	\$ 3,200,0	00					
2018				\$ 3,200,0						
2019	\$ -	\$ -	\$ -	\$ 3,200,0						
Total	\$ 9,425,000	\$ -	\$.	\$ 19,445,0	00					
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Total	\$ 1,885,000	\$ 1,885,000	\$ 1,885,000	\$ 1,885,0		\$	9,425,000			
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Internal Labor Availability:		Medium Probability	☑ High Probablity	Enterprise Tech:	YES - attach form		NO or Not Requ	ired labor boxes	should be checked to it	Constitution of the Control of Co
Contract Labor:	✓ YES	□ NO		Facilities:	YES - attach form		NO or Not Requ	1: 1-1-1	vners have been contac	
				Capital Tools:	YES - attach form		NO or Not Requ	₹5 × ₹5 ×	nse of how likely staff v	
				Fleet:	YES - attach form	[NO or Not Requ	ired (this does n	ot require a firm comm	ittment).
Key Performance Indicator	(e)									
Expected Performance Improvem										
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				- 	Prepared	signa	ture			
1.2										

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AVISTA

Exhibit No.__(KKS-5)
Attachment No. ET-6.2

					Attachment NoI	ET-6.2
	JEH63V		<u> </u>			
1 -	Series 1					
	wassum Series3		Reviewed	signature		
0.8 -					Director/Manager	
	Poly. (Series1)					
0.6 -				-1/1	an China	
			Other Party Revie	w signature	argu Stevens	
0.4 -			(if necessary		∮Director/Manager	
0.2		This graph is to provide a place to direct				
		the KPI benefit. Providing a graph is				
0 -		recommended to help communicate what the project is intended to				
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	(a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c					
2013 Proj	ents	2015 Projects				
	Management	PKI Refresh				
	sion to SCADA and GCN	CVA Hardware Refresh				
	revention software and Data classification standards					
Email Encry		Disk Encryption Refresh				
File Integrity		Network Device Config Analysis Refre	<u>esh</u>			
	cess Control Phase 1	McAfee NSM & NIPS Refresh				
	vice Config Analysis Automation	Malware Detection Appliance Refresh				
	S Expansion nitoring expansion to GCC and SCADA (QRadar)	<u>Limitation and Control of Network Por</u> <u>Configuration management tool</u>	is, Protocols, and Serv	ices		
	authentication	Boundary Defense				
1110 100101	Authornio anon	Application SW-Secure config				
2014 Proj	ects	Account Monitoring and Control				
SIEM & Qflo	ow Refresh	HR Systems Integration w/Active Dire	ctory			
	Access based on need to know					
	ernet Access	2016 Projects				
	ty Appliances (SGDP) Refresh	Asset mgt/Auth & Unauth Devices Re	fresh			
	gement - Authorized & Unauthorized SW nagement Solution	Password Vault Refresh Network Access Control Refresh				
	Jse of Admin Privileges	Identity Management Refresh				
Password V		Enterprise Reduced Sign-On				
		Controlled Access based on need to l	now-Refresh			
		*				
		The state of the s				
	mpleted by Capital Planning Group					
Ration	ale for decision				Review Cycles	
					2012-2016	
			Date		Template	
			Date		remplate	

Exhibit No.__(KKS-5)
Attachment No.__ET-7

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Enterprise Technology

Business Case Name: Technology Expansion to Enable Business Process

ER No: ER Name:

5006 Information Technology Expansion Program

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$15,9701

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	1,662	-	-	-	-	-	-	-	-	-	225	221	1,216
2015	6,069	13	13	1,479	13	13	1,479	13	13	1,479	13	13	1,529
2016	5,552	12	12	1,363	12	12	1,363	12	12	1,363	12	12	1,363

Business Case Description:

This program facilities the technology growth throughout the Company. This includes technology expansion for the entire workforce, business process automation and increases in technology to support efficient business processes.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 187 of 303 Capital Program Business Case

Avista

Exhibit No.__(KKS-5)
Attachment No.__ET-7.1

Investment Name: Requested Amount	Technology Expa	ansion to Enable		Assessments:					
Duration/Timeframe		Year Program	7,000,012	Financial:	7.00%		III audi sa sa sa sa sa sa sa sa sa sa sa sa sa	olic olic basicanici di	
Dept, Area:	Enterprise Techor			Strategic:	Agile Technolo				
Owner:	Jacob Reidt/Jim C	Corder		Business Risk:	The state of the s	Reduction >5 and	The state of the s		
Sponsor: Category:	Jim Kensok Program			Program Risk:	right certainty	around cost, sched	iule and resource	9	
Mandate/Reg. Reference:				Assessment Score:	#NAME?	Annual Cost	t Summary - Increa	se/(Decrease)	A STATE OF THE PROPERTY OF THE
Recommend Program Desc					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
This program facilities the t expansion for the entire wo efficient business processes	orkforce, business pr			A Proposition of the Contract		\$ 4,635,572			5 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Alternatives:					Performance	Capital Cost	Summary - Increa	Other Costs	Business Risk Score
Unfunded Program:	Without funding th	is program will not	be able to delive	r technology assets	n/a	\$ -	\$ -	\$ -	15
	and application enh	nancement to provi o in-house develope m will be the loss o	de for growth of ed applications. f 20+ application	the technology base A consequence of not FTE's who posess	7-		Section 1. The section of the sectio		
Alternative 1: Brief name of alternative (if applicable)	This program facilit includes technology automation and incorporesses.	expansion for the	entire workforce			\$ 4,635,572	\$	\$	5
Alternative 2: Brief name of alternative (if applicable)								\$	0
Alternative 3 Name: Brief name of alternative (if applicable)						\$	\$ -	\$ -	0
Program Cash Flows	Capital Cost	O&M Cost	Other Costs	Approved	1	Associated Ers (list	all applicable):		
Previous		\$ -	Ś -	\$ 7,792,700		5006		Water State of the Control of the Co	
2013		\$ -	\$ -	\$ 5,648,113					
2014		\$	\$ -	\$ 4,635,572					
2015		\$ -	\$ -	\$ 5,799,088 \$ 5,535,539					
2016 2017 2018	\$ 8,330,445	\$ - \$ -	\$ - \$ -	\$ 5,535,539 \$ 5,799,088 \$ 5,799,088		amounts same as	2012 less 820k r	moved to new Enter	prise Security
2019 Total	\$ -	\$ -	\$ - \$ -	\$ 7,496,234 \$ 40,712,722		business case			
——————————————————————————————————————		2872							
5006	2013 \$ 7,675,945	2014 \$ 7,835,572	2015 \$ 8,083,991	2016 \$ 7,559,940	2017 \$ 8,330,445	Total \$ 39,485,893	Mandate Excerpt	(if applicable):	
0	\$ 7,075,545	\$ 7,000,072	\$ -	\$ -	\$ -	\$ -		η α	
0	\$ -	\$ -	\$	\$ -	\$	\$ -			
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0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Additional Justific		
0	\$ -	\$ -	\$	\$ -	\$ -	\$ -	 A representation of the control of the	ta ta está en centra la Telestra de Aleste.	l in 2012 because the
0	\$ -	\$ - \$ -	\$ - \$ -	\$ -	\$ - \$ -	\$ - \$ -		items are being mov	ed to an Enterprise Is business case is an
0	\$ <u>-</u>	\$ -	\$ - \$ -	\$ -	\$ -	\$ - \$ -	 Anna 2 o Remar Menantal Inflat trace and a 	case. The CIRR for th ecause the Items in th	in the second of the first territories in the self-
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0	\$ -	\$	\$ -	\$ -	\$ -	\$ -	arman di propinsi (1988), 1985—marrigi (1995)	ery difficult to calcul	a - Baranta in America (China Antara China China Antara C
0	\$ -	\$ -	\$ - \$ -	\$ - \$ -	\$ -	\$ -			
0 Total	\$ - \$ 7,675,945	\$ - \$ 7,835,572	\$ - \$ 8,083,991	\$ - \$ 7,559,940	\$ -	\$ - \$ 39,485,893			
			,,,,,,,,	17,000,040	1.4 0,000,993	J 32)763)633			
Resources Requirements: (Internal Labor Availability: Contract Labor:	✓ Low Probability	pprovais attached) ☐ Medium Probability ☐ NO	☑ High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	✓ NO or Not Requ ✓ NO or Not Requ	ulred labor boxe. ulred resource of ulred a general s	appropriate box. The ir s should be checked to wners have been conta ense of how likely staff not require a firm comr	indicate if the cted and to provide will be provided
Key Performance Indicator	nents	Le Kol		1					
	Fill in the name of t								

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 188 of 303 Capital Program Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No. ET-7.2

1,2	Prepared signature
Series2	
1 Series1	
« Series 3	Reviewed signature
0.8 —— Project FO Rate	Director/Manager
—— Poly, (Series1)	
0.6	
	Other Party Review signature May Sturs (if necessary) Opirector/Manager
0.4	Other Party Review signature YV Way 3 WWS (if necessary)
0.2 This graph is to provide a place to direct	
the KPI benefit. Providing a graph is	
recommended to help communicate what the project is intended to	
1 What the project is intended to	
Please see attachment for descriptions of the work completed under this program.	
To be completed by Capital Planning Group	
To be completed by Capital Planning Group Rationale for decision	
To be completed by Capital Planning Group Rationale for decision	Review Cycles 2012-2016
To be completed by Capital Planning Group Rationale for decision	
To be completed by Capital Planning Group Rationale for decision	2012-2016
To be completed by Capital Planning Group Rationale for decision	2012-2016
To be completed by Capital Planning Group Rationale for decision	2012-2016

Exhibit No.__(KKS-5)
Attachment No.__ET-9

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Enterprise Technology

Business Case Name: High Voltage Protection for Substations

ER No: ER Name:

5142 High Voltage Protection Upgrade

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$ 1,399 1

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	485	-	-	-	-	-	-	-	-	-	4	2	478
2015	719	-	-	-	-	-	-	-	-	-	-	719	-
2016	415	-	-	-	-	-	-	-	-	415	-	-	-

Business Case Description:

High Voltage Protection to personnel and telecommunication equipment by fiber integration, demark relocation, & equipment remediation at suburban and rural substations.

Offsets:

The attached business case shows O&M Offsets exist. After further discussion it was determined that these savings will be distributed to other expenses and the initial savings will be negated. Therefore, these additional savings have not been included.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

AVISTA

Exhibit No.__(KKS-5) Attachment No. ET-9.1

Investment Name:	High Voltage Protection for Substations_Revise						_			
Requested Amount	\$4,371,844	Assessments:								
Duration/Timeframe	6 Year Project	Financial:	Medium - >= 5	and the state of the state of	Children Children Christian Child			SEE		
Dept, Area:	Enterprise Technology	Strategic:	Reliability & Ca	************	Committee Commit					
Owner:	Jacob Reidt/Jim Corder	Operational:	Operations req			erforr	n at current l	evels		
Sponsor:	Jim Kensok	Business Risk:	ERM Reductio	and the Sales of Course	Annual set of the second of the second of the second					
Category:	Mandatory	Project/Program Risk:	High certainty							
Mandate/Reg. Reference:	Yes	Assessment Score:	128		Cost Sun	nmary	- Increase/(D	ecre	ise)	
Recommend Project Descr	iption:		Performance	Ca	pital Cost	C	&M Cost	(Other Costs	ERM Risk Score
	ligh Voltage Protection to personnel and Telco equipment by fiber integration, demark relocation, & equipment remediation at suburban and rural substations.				3,820,309	\$	(374,500)	9		3
	3.5		operations		Cost Sun	nmary	- Increase/(D	ecrea	ise)	
Alternatives:			Performance	Ca	pital Cost	O&M Cost		Other Costs		ERM Risk Score
Status Quo:	Not repairing this situation has potential to increase the telephone company personnel working near substation damage to communications equipment caused by elect	s and the risk of	n/a	\$		\$		\$	1,000,000	15
Alternative 1: Brief name of alternative (if applicable)	High Voltage Protection to personnel and equipment by demark relocation, & equipment remediation at suburb substations.		16 substations integrated onto fiber network, reducing	100000000000000000000000000000000000000	3,820,309	\$	(48,600)	\$		- 3
Alternative 2: Brief name of alternative (if applicable)	Describe other options that were considered		describe any incremental changes in operations	\$		\$		\$		0
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other options that were considered		describe any incremental changes in operations	\$		\$		\$		0

Timeline

Construction Cash Flows (CWIP)

	Capital Cost	O&M Cost	Other Costs	100	Approved
Previous	\$ 1,243,989	\$	\$	\$	1,243,989
	\$ 1,041,320	\$ (18,000)	\$ anelliginer , de	\$	997,355
2013	\$ 525,000	\$ (37,300)	\$ 12,000	\$	696,500
2014	\$ 530,000	\$ (53,200)	\$ 12,000	\$	565,000
2015	\$ 320,000	\$ (53,200)	\$ 12,000	\$	419,028
2016	\$ 160,000	\$ (53,200)	\$ 12,000	\$	415,442
2017	\$	\$ (53,200)	\$ 12,000	\$	
2018	\$	\$ (53,200)	\$ 12,000	\$	- 10 m
Future	\$	\$ (53,200)	\$ 12,000	\$	
Total	\$ 3,820,309	\$ (374,500)	\$ 84,000	\$	4,337,314

Rebaselined after completion of Design & Planning

Milestones (high level targets)

October-11 December-11 October-12 December-12 Major Procurement Previous Spend 2011

Major Procurement Previous Spend 2012

January-13 First fiber project close February-13 First remediation project close

March-13 Second remediation project close April-13 Future GridNet Sites engineering July-13 HVP Shop labor finishes

December-13 Finalize GridNet Installation

December-14 RLH Construction December-15 **RLH Construction**

December-16 **RLH Construction**

Associated Ers (list all applicable):

5119

Mandate Excerpt (if applicable):

Under CenturyLink (FKA Qwest) tarrif Number 1 section 13.7 requires that the customer provide high voltage protection for communication circuits in high voltage areas. Please notes below for additional information

Additional Justifications:

In order to balance the need for communications from devices at substation locations with safety of personnel and equipment, high voltage protection & isolation standards have arisen. Telco companies have the ability or desire to turn off communication circuits to substations until Avista works with them to electrically isolate the copper coming into the substation. This effects Phone, Modern, SCADA, and or Metering & Monitoring systems at the substations. This set of projects was created to mitigate this tariff risk as well as the lower likelihood (but more expensive) risks to personnel and equipment.

Resources Requirements: (request forms and approvals attached)

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205

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Exhibit No.__(KKS-5) Attachment No.__ET-9.2

Internal Labor Availability: Contract Labor:	Low Probability YES	✓ Medium Probability NO	☑ High Probabilty	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	NO or Not Required NO or Not Required NO or Not Required NO or Not Required			
Key Performance Indicato Expected Performance Improver KPI Measure:				Prepared	signature			**************************************	
				Reviewed	signature	Director	/Manager		
				Other Party Reviev (if necessary	v signature	Many Director	WWW. Manager	3	
Please see the follow lini http%3A%2F%2Ftariffs.c	k for CenturyLink	(FKA Qwest) Tarifi	f No. 1 that outl	or other data that ma ines the requirement 2Fdocuments%2Fta	s for High Voltage I	Protection Circuits.			
This project was started	in 2011 under ER	5005 and is being	moved out of E	R5005 into its own E	Business Case.				
To be completed by Ca	nital Planning G	QID.							
Rationale for decision							w Cycles 2-2016		
					Date		Template		

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ET-10

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Enterprise Technology

Business Case Name: Next Generation Radio Refresh

ER No: ER Name:

5106 Next Generation Radio System

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$3,733 1

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	4,200	-	-	-	2,742	-	-	-	1,458	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-	-	-

Business Case Description:

This project is refreshing Avista's 20 year old Land Mobile Radio ("LMR") system that is used for critical crew communications during outage restoration and daily operations of maintaining the electric and gas distribution and transmission systems. Avista continues to maintain a private LMR system because the offerings available from public providers cannot provide communication throughout our rural service territory and as a portion of our nation's critical infrastructure it is imperative that Avista have a communication system that will operate in the event of a disaster to help safeguard the general public.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
Page 193 of 303
Capital Investment Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ET-10.1

	Next Generation Radio Refresh								
Requested Amount	THE REPORT OF THE PROPERTY OF		Modium - >= 5	% & <9% CIRR					
Duration/Timeframe Dept, Area:	5 Year Project Enterprise Technology	Financial: Strategic:	Agile Technolo	Control of the Contro					
Owner:	Jacob Reidt/Jim Corder	Operational:	Operations require execution to perform at current levels						
Sponsor:	Jim Kensok	Business Risk:	ERM Reductio	n >5 and <= 10					
Category:	Mandatory	Project/Program Risk:	Name of the Owner						
Mandate/Reg. Reference:	FCC Narrow Banding Mandate (See below)	Assessment Score:	128		mmary - Increase/(A CONTRACTOR OF THE PARTY OF TH	Mariania Cara		
Recommend Project Descr	AND AND AND AND AND AND AND AND AND AND	·	Performance	Capital Cost	O&M Cost	Other Costs	ERM Risk Score		
communications during ou distribution and transmissi because the offerings avail service territory and as a p	vista's 20 year old Land Mobile Radio (LMR) system that tage restoration and daily operations of maintaining the on systems. Avista continues to maintain a private Land able from public providers cannot provide communicatio ortion of our nation's critical infrastructure it is imperation it will operate in the event of a disaster to help safeguare.	electric and gas Mobile Radio system on throughout our rural ve that Avista have a	radio system will not meet						
					nmary - Increase/(
Alternatives:			Performance	Capital Cost	O&M Cost	Other Costs	ERM Risk Score		
Status Quo:	Describe the current condition of the asset(s) and prob corrected	lems that need to be	n/a	Compared to the compared to			0		
Alternative 1: Brief name of alternative (if applicable)	Describe other options that were considered		describe any incremental changes in operations		\$ 7.1 N. N. N. N. N. N. N. N. N. N. N. N. N.	\$	0		
Alternative 2: Brief name of alternative (if applicable)	Describe other options that were considered		describe any incremental changes in operations	State of the state		\$	0		
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other options that were considered		describe any incremental changes in operations	\$		\$	0		
Timeline				Construction Cash	Flows (CWIP)				
				Canital Cost	OPM Cost	Other Costs	T Approved		
		Actual	Previous	Capital Cost	O&M Cost	Other Costs	Approved \$ 11,327,46		
		Actual Forecast	Previous 2012	\$ 11,327,464	\$	Other Costs \$ -	Approved \$ 11,327,46 \$ 4,262,00		
				\$ 11,327,464 \$ 8,003,573	\$ \$	\$ -	\$ 11,327,46		
			2012 2013 2014	\$ 11,327,464 \$ 8,003,573 \$ 2,997,260 \$ 3,946,378	\$ ====================================	\$ - \$ - \$ -	\$ 11,327,46 \$ 4,262,00 \$ 2,585,26 \$ 3,275,20		
			2012 2013 2014 2015	\$ 11,327,464 \$ 8,003,573 \$ 2,997,260 \$ 3,946,378 \$ 27,000	\$	\$ \$ \$	\$ 11,327,46 \$ 4,262,00 \$ 2,585,26 \$ 3,275,20 \$ 458,02		
			2012 2013 2014 2015 2016	\$ 11,327,464 \$ 8,003,573 \$ 2,997,260 \$ 3,946,378 \$ 27,000 \$ -	\$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ -	\$ 11,327,46 \$ 4,262,00 \$ 2,585,26 \$ 3,275,20 \$ 458,02 \$		
			2012 2013 2014 2015 2016 2017	\$ 11,327,464 \$ 8,003,573 \$ 2,997,260 \$ 3,946,378 \$ 27,000 \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$	\$ - \$ - \$ - \$ - \$ - \$ -	\$ 11,327,46 \$ 4,262,00 \$ 2,585,26 \$ 3,275,20 \$ 458,02 \$ -		
			2012 2013 2014 2015 2016 2017 2018	\$ 11,327,464 \$ 8,003,573 \$ 2,997,260 \$ 3,946,378 \$ 27,000 \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 11,327,46 \$ 4,262,00 \$ 2,585,26 \$ 3,275,20 \$ 458,02 \$ - \$ -		
			2012 2013 2014 2015 2016 2017	\$ 11,327,464 \$ 8,003,573 \$ 2,997,260 \$ 3,946,378 \$ 27,000 \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$	\$ - \$ - \$ - \$ - \$ - \$ -	\$ 11,327,46 \$ 4,262,00 \$ 2,585,26 \$ 3,275,20 \$ 458,02 \$ - \$ - \$ -		
			2012 2013 2014 2015 2016 2017 2018 Future Total	\$ 11,327,464 \$ 8,003,573 \$ 2,997,260 \$ 3,946,378 \$ 27,000 \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 11,327,46 \$ 4,262,00 \$ 2,585,26 \$ 3,275,20 \$ 458,02 \$ - \$ - \$ -		
Milestones (high level February-08 December-11 December-12 December-13 December-14	targets) Project Started year end actual year end actual year end actual year end actual year end actual year end actual year end actual		2012 2013 2014 2015 2016 2017 2018 Future Total	\$ 11,327,464 \$ 8,003,573 \$ 2,997,260 \$ 3,946,378 \$ 27,000 \$ - \$ - \$ - \$ 5 \$ 26,301,675 fter completion of l	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 11,327,46 \$ 4,262,00 \$ 2,585,26 \$ 3,275,20 \$ 458,02 \$ - \$ - \$ -		
February-08 December-11 December-12 December-13 December-14	Project Started year end actual year end actual year end actual year end actual	Forecast	2012 2013 2014 2015 2016 2017 2018 Future Total Rebaselined a	\$ 11,327,464 \$ 8,003,573 \$ 2,997,260 \$ 3,946,378 \$ 27,000 \$ - \$ - \$ - \$ 5 \$ 26,301,675 fter completion of l	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 11,327,46 \$ 4,262,00 \$ 2,585,26 \$ 3,275,20 \$ 458,00 \$ - \$ - \$ 5 - \$ 5 -		
February-08 December-11 December-12 December-13 December-14 Associated Ers (list all app	Project Started year end actual year end actual year end actual year end actual year end actual started year end actual	Forecast	2012 2013 2014 2015 2016 2017 2018 Future Total Rebaselined a	\$ 11,327,464 \$ 8,003,573 \$ 2,997,260 \$ 3,946,378 \$ 27,000 \$ - \$ - \$ - \$ 5 \$ 26,301,675 fter completion of l	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 11,327,46 \$ 4,262,00 \$ 2,585,26 \$ 3,275,20 \$ 458,00 \$ - \$ - \$ 5 - \$ 5 -		
February-08 December-11 December-12 December-13 December-14	Project Started year end actual year end actual year end actual year end actual year end actual started year end actual	Forecast	2012 2013 2014 2015 2016 2017 2018 Future Total Rebaselined a	\$ 11,327,464 \$ 8,003,573 \$ 2,997,260 \$ 3,946,378 \$ 27,000 \$ - \$ - \$ - \$ 5 \$ 26,301,675 fter completion of l	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 11,327,46 \$ 4,262,00 \$ 2,585,26 \$ 3,275,20 \$ 458,00 \$ - \$ - \$ -		

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205

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Exhibit No.__(KKS-5) Attachment No.__ET-10.2

Resources Requirements:	(request forms an	d approvals attached)						ring a second and a second and a second and a second and a second and a second and a second and a second and a	
Internal Labor Availability: Contract Labor:	Low Probability YES	☐ Medium Probability ☐ NO	☐ High Probablity	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	NO or Not Require NO or Not Require NO or Not Require NO or Not Require	d d		
Key Performance Indicator Expected Performance Improve			25275						
KPI Measure:	Fill in the name of			Prepared	signature				
800 — Outage H 600 — Project F			\	Reviewed	signature				
400		1					Director/Manager		
200 2004 2005	2006 2007 t	his graph is to provide a he KPI benefit. Providin ecommended to help co what the project is intend	g a graph is ommunicate	Other Party Review (if necessary	v signature	Maryi.	Stuung Director/Manager	3	
	This space is to	o be used for photog	graphs, charts,	or other data that ma	ay be useful in eva	ulating the project			
To be completed by Ca Rationale for decision	pital Planning (Group					Review Cycles		
							2012-2016		
					Date		Templat		

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ET-11

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Enterprise Technology

Business Case Name: Microwave Refresh

ER No: ER Name:

5121 Microwave Replacement with Fiber

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$6,2441

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	653	-	-	-	-	-	-	-	-	-	125	13	514
2015	2,363	-	-	591	-	-	591	-	-	591	-	-	591
2016	3,050	-	-	763	-	-	763	-	-	763	-	-	763

Business Case Description:

The purpose of this project is to refresh the aging microwave technology with current technology to provide for high-speed data communications. These communication systems support relay and protection schemes of the electrical transmission system.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

ANISTA

Exhibit No.__(KKS-5)
Attachment No.__ET-11.1

Investment Name:	Microwave Refr	esh 💮	00.004.000									
Requested Amount Duration/Timeframe	\$ 7	Year Project	23,204,063	Assessments: Financial:	10,50%							
Dept, Area:	Enterprise Techn		to ka italia bata ka saa	Strategic:	Reliability & ca	enacity						
Owner:	Jacob Reidt/Jim			Business Risk:		Reduction >5 and	l <= 10					
Sponsor:	Jim Kensok		3 7 1 4 2 6 7	Project Risk:			schedule and reso	urces				
Category:	Project											
	n/a			Assessment Score:	84	Annual Cos	t Summary - Increas	e/(Decrease)				
Recommend Project Descr	Anna Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Car				Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score			
The purpose of this project provide for the high speed protection schemes of the	data communicatio	ns. These commun			The current system are out of date and in need of replacement	\$ 8,400,000	840,000					
							t Summary - Increas					
Alternatives:					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score			
Unfunded Project: Var 18 - 18 - 18 - 18 - 18 - 18 - 18 - 18	Remaining at the s critical communica Avista's transmissioneeds.	ition systems, whic	h could have sign		n/a	\$	Control of the contro	\$ 1,000,000	15			
Alternative 1: Brief name	The purpose of this	s project is to refre	sh the aging micr	owave technology	The current	\$ 8,400,000	\$ 840,000	\$ -	8			
of alternative (if applicable)	These communicat	tion systems suppo		data communications. ection schemes of the	system are out of date and in need of							
71	electrical transmiss	Salas en al desperativos de la composición del composición de la composición de la composición del composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la com			25 (1981) CONTRACTOR	A		\$ -	0			
Alternative 2: Brief name of alternative (if applicable)	Describe other opt	ions that were con	SIGE ECO		describe any incremental changes in operations							
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opt	lons that were con	sidered		describe any incremental changes in operations	\$ -	\$	\$	0			
					WASHIGEDAY/NASHT/METACHING							
Program Cash Flows			I au a i		13.151.00							
Previous	\$ 2,910,116	O&M Cost	Other Costs	Approved \$ 2,910,116		Associated Ers (lis		1000				
2012		\$ -	\$ -	\$ 1,200,000	4							
2013			\$ -	\$ 1,500,000	4			cies es es es es es es				
2014		\$ -	\$.	\$ 917,462	4							
2015	and the man man with a few and a few and a few and	\$ -	\$ -	\$ 2,276,679								
2016	Actual Company of the	\$ -	\$ -	\$ 3,050,000								
2017 2018		\$ -	\$ -	\$ 3,050,000 \$ 4,100,000	*			PARLY CALLS OF THE	heretik de Huttaretik			
2019		\$ -	\$ -	\$ 5,100,000								
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Total			\$ -	\$ 24,104,257								
ER	2015	2016	2017	2018	2019	Total	Mandate Excerpt (
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Milestones (high level ta	rgets)											
December-11 December-12 December-13 December-11 December-12 December-13	NLW-SHN Prior NLW-SHN 2012 NLW-SHN 2013 M23-SPU Prior M23-SPU 2012 M23-SPU 2013		December-13 December-12 December-13	M15-NLW 2012 M15-NLW 2013 Fiber to Lew Off 201 Fiber to Lew Off 201 Missing row in Actua MW to Fiber	13	December-15 December-16 December-17 December-18 December-19 December-20	MW to Fiber MW to Fiber MW to Fiber MW to Fiber MW to Fiber MW to Fiber MW to Fiber					

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
Page 197 of 303
Capital Project Business Case



Exhibit No.__(KKS-5)
Attachment No.__ET-11.2

Resources Requirements:	request forms and	approvals attached)					Trib Line		
Internal Labor Availability: Contract Labor:	Low Probability YES	☐ Medium Probability ☐ NO	☐ High Probabilty	Enterprise Tech: Facilities:	YES - attach form	□ NO or Not Required □ NO or Not Required	Capital Tools: Fleet:	YES - attach form	

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
Page 198 of 303
Capital Project Business Case

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Exhibit No.__(KKS-5)
Attachment No.__ET-11.3

	formance Indicator(s) Performance Improvements sure: Fill in the name of the KPI here Fill In the name of the KPI here		
800	Hours Base Une Projected Force Outage	Prepared <u>signatur</u>	е
400		Reviewed signatur	e Director/Manager
200		Other Party Review signatur	e Many Stulus- Director/Manager
-200	2004 2005 2006 2007 2008 2009 2010 2011		
	This space is to be used for photographs, charts, or oth	ner data that may be useful in evaulating	the Project
To be o	completed by Capital Planning Group nale for decision		Review Cycles 2012-2016
		Date	Template

Exhibit No.__(KKS-5)
Attachment No.__ETD-1

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Colstrip Transmission Capital Additions

ER No: ER Name:

2214 Colstrip Transmission-PNACI Capital Additions

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$ 1,357 1

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	75	-	-	-	-	-	-	-	-	-	8	24	44
2015	491	41	41	41	41	41	41	41	41	41	41	41	41
2016	497	41	41	41	41	41	41	41	41	41	41	41	41

Business Case Description:

This program is for capital replacement and upgrades and for O&M expenses for the jointly owned 500 kV Colstrip Transmission System. Program funding is used as transmission assets reach the end of their useful lives, requiring replacement or increased capacity. The program can also be used to accommodate necessary upgrades due to new interconnection requests on these facilities. Under the Colstrip Project Transmission Agreement (among Avista, Northwestern Energy, PacifiCorp, Portland General Electric and Puget Sound Energy), Avista is obligated to fund capital and O&M expenses commensurate with Avista's ownership share in these facilities. Such facilities include hardware, software, and operating system upgrades, as well as deployment of capabilities to meet new operating standards and requirements. Some system upgrades may be initiated by other requirements, including NERC reliability standards, growth, and third-party projects (e.g. transmission or generation interconnections under FERC regulations). Examples of upgrades to be completed under this program in the next 2 years are: 500 kV breaker replacement at Colstrip Substation, 500 kV communication replacement (OPGW Project) between Broadview and Colstrip to meet required dual communication paths under NERC standards, 500 kV relay upgrades at Broadview and 500 kV tower erosion mitigation.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Capital Program Business Case

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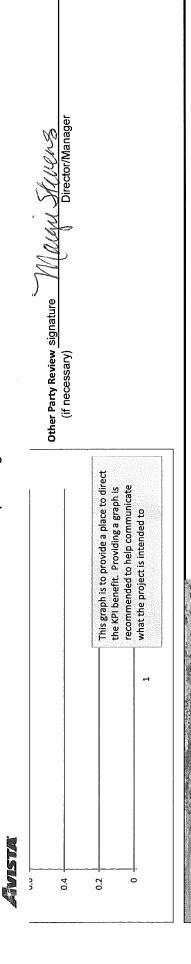
Investment Name: Requested Amount	Colstrip Transmission \$491,434	ission			Assessments:						
Duration/Timeframe		20 Year Program	rogram		Financial:	7.00%					
Dept, Area:	Transmission				Strategic:	Reliability & capacity	pacity				
Owner:	Jeff Schlect/Heather Rosentrater	her Ros	entrater		Business Risk:	Business Risk	Business Risk Reduction >10 and <= 15	d <= 15		0.00	
Sponsor: Category:	Don Kopczynski Program				Program Kisk:	nign certainty	nign certainty around cost, schedule and resources	dule and resources			
Mandate/Reg. Reference:	Program				Assessment Score:	#NAME?	Annual Cos	Annual Cost Summary - Increase/(Decrease)	se/(Decrease)	200000	
Recommend Program Description:	cription:					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score	
For capital upgrades and replacement and for O&M expenses for the jointly owned 500 kV Colstrip Transmission System. Program funding is used as transmission assets reach end-of-life, requiring replacment or upgrade. Under the Colstrip Project Transmission Agreement (among Avista, NorthWestern Energy, PacifiCorp, Portland General Electric and Puget Sound Energy), Avista is obligated to fund capital and O&M expenses commensurate with Avista's ownership share in these facilities. Such facilities include hardware, software, and operating system upgrades to meet new operating standards and requirements. Some upgrades may be initiated by NERC reliability standards, growth, and third-part	splacement and for C gram funding is used nder the Colstrip Pro iffCorp, Portland Gen kpenses commensura software, and opera	D&M ext as trans bject Tra leral Elec ate with thing syst ated by ated by	Denses for the mission assertive and Puge Avista's own tem upgrade tem upgrade NERC reliable	ne jointly owner ets reach end-o greement (amo get Sound Ener nership share ir es to meet new ility standards.	1500 kV Colstrip Filfe, requiring and Avista, Sy), Avista is obligated otherse facilities. Such operating standards growth, and third-party	>	∽	v	W		
-							Annual Cos	Annual Cost Summary - Increase/(Decrease)	se/(Decrease)	302	
Alternatives:						Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score	Doo
Unfunded Program:	Non-compliant operational capabilities and practices would re audit findings, financial penalties, and litigation expenses due contract with other joint owners. Obsolete equipment would service until failure.	erational ncial per fjoint ov	capabilities nalties, and I wners. Obsc	and practices v itigation expen. Jete equipmen	Non-compliant operational capabilities and practices would result in negative audit findings, financial penalties, and litigation expenses due to breach of contract with other joint owners. Obsolete equipment would remain in service until failure.	·Ō	1 mm	√	∽	16	Exhibit No (DC kets UE-150204/U0 Page 200 of 30
Alternative 1: Brief name of alternative (if applicable)	Describe other options that were considered	ions thai	t were consi	6		describe any incremental changes in operations	v.	\$	*	4	G-150205
Alternative 2: Brief name of alternative (if applicable)	Describe other options that were considered	ions thai	t were consi	dered		describe any incremental changes in operations	1	S	- \$	0	
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Program Cash Flows	Section 1	80	OP MI Care	Oshor	Assessed		According of Ear (line	all applicable).			
Pravilette	Capital Cost	8	T COST	Ounce costs	Approved		Associated Ers (list	COSTAL			
2014	35 1555	ş	392,583	- ጉ ላ	\$ 368,887	7					
2015	\$	\$	329,778	\$		4					
\$ 9102	\$	SUSSE	100	÷.		<u>.</u>		1000			D-1
2017	515,928	Ş	295,977	\$	\$ 515,928	8					L.1

Exhibit No.

Dockets UE-150204/UG-150205

(DCG-20)

Exhibit No.__(KKS-5)



Capital Program Business Case

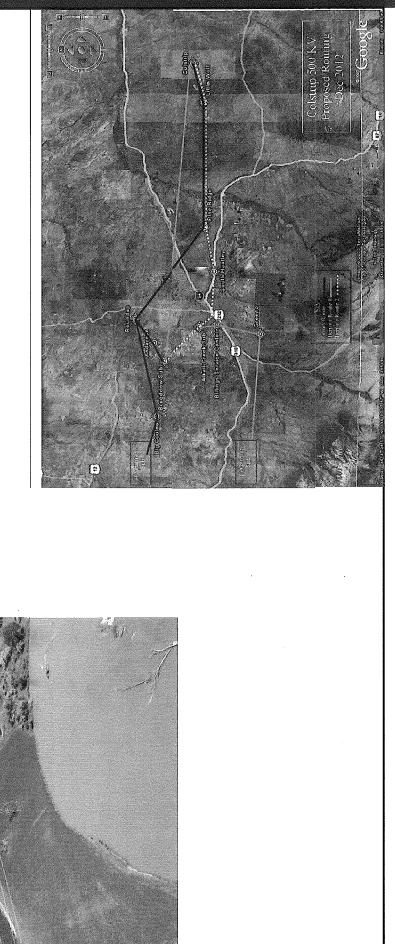


Exhibit No. ____ (DCG-20) Dockets UE-150204/UG-150205 Page 203 of 303

Exhibit No.__(KKS-5)
Attachment No.__ETD-1.4

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JsersVrf9457/Desktop/Business Cases\Colstrip Transmission

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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Exhibit No.__(KKS-5)
Attachment No.__ETD-2

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Distribution Grid Modernization

ER No: ER Name:

2470 Dist Grid Modernization

2570 Sandpoint Grid Modernization Project

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$31,586 1

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	4,252	-	-	-	-	-	-	-	-	-	1,082	670	2,500
2015	10,925	557	467	529	585	665	743	823	733	740	710	617	3,757
2016	11,000	539	469	513	576	692	678	705	725	730	744	583	4,044

Business Case Description:

The Distribution Grid Modernization Program provides value to customers and shareholders by improving grid reliability, energy savings and operational ability through a systematic and managed upgrade of our aging distribution system. This program seeks cost effective opportunities to increase service quality performance and system availability through the identification of locations that would benefit from the addition of switched capacitor banks, regulators and smart grid devices. The long-term plan represented by the IRR of 6.4% aims to upgrade 6 feeders per year to cover the whole distribution system in a 60 year cycle. This coordinates well with Wood Pole Management's 20 year cycle such that every third planned maintenance trip to a feeder would be an upgrade, expanding Wood Pole Management's scope. The average cost to rebuild each feeder is estimated to be \$3.5M.

Offsets

O&M offsets associated with this business case may occur in the future, however, they are not quantifiable at this time.

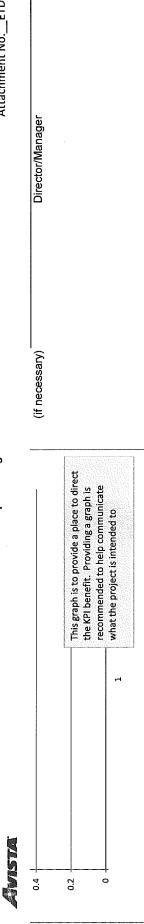
¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

	See Flan Below	jram		Financial:	MH - >= 9% & <	->= 9% & <12% CIRR				
Dept, Area:	Engineel			Strategic:	Life-cycle asset management	management				
Owner:	Troy A. Dehnel			Business Risk:	Business Risk Reduction >15	Reduction >15				
Sponsor:	Don Kopczynski			Program Risk:	High certainty a	High certainty around cost, schedule and resources	ule and resources			
Lategory: Mandate/Reg. Reference:	n/a			Assessment Score:	133	Annual Cost	Annual Cost Summary - Increase/(Decrease)	e/(Decrease)		
Recommend Program Description:	cription:				Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score	
The Distribution Grid Moderr teliability, Energy Savings and listribution system. This progrem availability through the system availability through the sands, regulators and smart geders per year to cover the Management's 20 year cycle.	The Distribution Grid Modernization Program provides value to customers and shareholders by improving Grid Reliability, Energy Savings and Operational Ability through a systematic and managed upgrade of our aging distribution system. This program seeks cost effective opportunities to increase service quality performance and system availability through the identification of locations that would benefit from the addition of switched capaci banks, regulators and smart grid devices. The long-term plan represented by the IRR of 6.4% aims to upgrade 6 feeders per year to cover the whole distribution system in a 60 year cycle. This coordinates well with Wood Pole Management's 20 year cycle. The average cost to rebuild each feeder is estimated to be \$3.5M.	ustomers: ematic and lies to incre uld benefit resented b ear cycle. I	and shareholde I managed upgi ease service qu t from the addi y the IRR 66.4 This coordinate imated to be \$5	irs by improving Grid rade of our aging ality performance and tion of switched capacitor ti% aims to upgrade 6 is well with Wood Pole 3.5M.	When completed save an average of 1,970 MWh* annually & Reduce Outages	\$ 21,000,000		\$ 198,000		
						Annual Cost	Annual Cost Summary - Increase/(Decrease)	ie/(Decrease)		[
Alternatives:					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score	l Doc
Unfunded Program:	No systematic plan for wholistic address of conductors, reconfiguring services for better access, or adding devices that benefit the performance of the feeder.	tic addres vvices than	is of conducto t benefit the _I	rs, reconfiguring services performance of the	e/u	\$ 120,000		1,980,000	25 10 10 10 10 10 10 10 1	kets UE-150
Alternative 1: Brief name of alternative (if applicable)	The Dist Grid Modernization Program provides benefits to customers, employees, and shareholders by replacing problematic poles, cross-arms, cuouts, transformers, conductor, etc. In addition, adding switched capacitor banks and smart grid devices is of benefit due to increased energy efficiency	rogram p by replaci , etc. In a s of benet	rovides bener ing probleman iddition, addir fit due to incr	fits to customers, tic poles, cross-arms, cut- ng switched capacitor eased energy efficiency	When completed save an average of 1,970 MWh* annually & Reduce Outages	\$ 21,000,000	-1	\$ 198,000	4. (1)	(DCG-20) 0204/UG-1502 05 of 303
Alternative 2: Brief name of alternative (if applicable)	Describe other options that were considered	ere consit	dered		describe any incremental changes in operations	\$	S	•	0	205
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other options that were considered	ere consic	dered		describe any incremental changes in operations	-	*** ***	√	0	
Program Cash Flows										
	Capital Cost 0&M Cost	Cost	Other Costs	Approved	5388WS	Associated Ers (list all applicable)	all applicable):			
Previous	\$ 2308,357 \$ s		- \$	7,308,357	constru	Dist Grid Moderniz	2470			
2014	\$ 8,686,019 \$ 1	-	\$	0000'985'6 \$						
2015	5 \$ 11,000,000 \$		- \$	11,000,000	Topic Control					
2016	\$		- \$	\$ 11,000,000						
2017	\$ 13,000,000	•	÷\$		Second Second					KS-
2018	\$ 15,000,000									
2019	9 \$ 15,000,000 \$			15,000,000	gen. 1					D-2

2020+	1+ \$ 21,000,000	\$ 00		<u> </u>	\$ -	•	250				
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and the state of t		4					888				
ER	2015		2016	2017		2018	2019	Total	Mandat	Mandate Excerpt (if applicable):	
Dist Grid Modernization	- \$	Ş	=	\$	\$	•	- \$	\$	provk	provide brief citation of the law or regulation and a	
2470	11,000,000	100000	11,000,000	\$ 13,000,000	75565	15,000,000	\$ 15,000,000	\$ 65,000,000		reference number if possible	
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	- \$		•	\$	\$ -		- \$	\$			
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0	\$		-	\$	\$ -		Ť	S	100	Additional Justifications:	20
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	\$	\$	1	\$	\$			\$	descri	describing in more detail the nature of the Project, the	
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Total	11,000,000		11,000,000	\$ 13,000,000	10000	15,000,000	\$ 15,000,000	\$ 65,000,000	<u> </u>		JE-
Internal Labor Availability: Luow Probability Medium Probability Contract Labor: Medium Probability	: Low Probability	NO NO	Medium Probability NO	✓ High Probablity		Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form	NO or Not Required NO or Not Required ONO or Not Required NO or Not Required		Check the appropriate box. The internal and contract labor boxes should be checked to indicate if the resource owners have been contacted and to provide a general sense of how likely staff will be provided (this does not require a firm committment).	(DCG-20) 4/UG-150205 of 303
Key Performance Indicator(s) Expected Performance Improvements KPI Measure: Fill i	or(s) Ev.M., CPI, SPI Fill in the name of the KPI here	of the KF	1 here				Prepared S	signature			
	H										
1							Reviewed	signature			
0.8 ————————————————————————————————————	- Project FO Rate - Poly. (#REF!))		Director/Manager	o(KK nt No. ₋
0.6						ă	Other Party Review signature	sionature		Marine Hours	
) 					-2.2

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ONRYAN2015 WA GROBusiness Cascal2014 Transmission and Distribution/2015 - ETD-42 Distribution Grid Modemization Business CascalDist Grid Modemization Program Business Casca and Review

Capital Program Business Case



		Annual Energy Savings (MWh)	601	972	570	885	1,403	438	4,869												addition in the interest of th						WEIZE WIZZZ WIZZZ EEOĘZ BIYSZ EKNIKZ ZWIĘZ ZWIĘZ HOLEJ HOLEJ	
		Year Complete	2009	2012	2012	2014	2015	2014	Total				4MI 2013 - 2022								***************************************						MWF24 GBMT5E DADTSE C8/MT5E C8/MT5E C8/MT5E C8/MT5E C0/MT5E C8/MT5E C8/MT5E C8/MT5E	
	yy Savings	Area	Spokane, WA (9th	Spokane, WA	Spokane, WA	Spokane, WA	Wilbur, WA	Coeur d'Alene, ID			Reduction		sum of lotal O&M 2013 - 2022														2// 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/	
	Actual Energy Savings	Feeder	9CE12F4	BEA12F1	F&C12F2	BEA12F5	WIL12F2	CDA121			O&M Outage Reduction	\$2,500,000			\$2,000,000			\$1,500,000			\$1,000,000			- 000,000\$		۶ 5	SPILZE SUNTZE SPILZE SPILZE	
											tage costs i 10 Years	2022	Fi \$2,185,995		\$1,440,185			2 <u>F1</u> \$1,328,172			2류 \$1,088,570		S如河 \$1,011,177					
										2014	Projected	Feeder	SP112F1	NE12	NE12	SE12	FWT12F2	COB4.	(B)A122	SUN12F3	C&W1	PUL1	GLV34		 		2014	
•	All OMT Sub-Reasons Excluding Maint/Upgrades	<								2002 2004 2006 2008 2010 2012 20							s related to Grid Moder	Grid Modernitation Related Sustained Gulages							A CONTRACTOR OF THE PARTY OF TH		2002 2004 2006 2008 2010 2012 :	

2002

2000

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To be completed by Capital Planning Group

200

Number of Sustained Outages

4000 3500 Exhibit No. ___ (DCG-20)
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Exhibit No.__(KKS-5)
Attachment No.__ETD-3

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Distribution Line Protection

ER No: ER Name:

2276 Distribution Line Protection

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$5001

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	147	-	-	-	-	-	-	-	-	-	12	114	21
2015	125	1	1	4	4	18	18	18	20	20	20	3	-
2016	125	1	1	4	4	18	18	18	20	20	20	3	-

Business Case Description:

Avista's Electric Distribution system is configured into a trunk and lateral system. Lateral circuits are protected via fuse-links and operate under fault conditions to isolate the lateral in order to minimize the number of affected customers in an outage. Engineering recommends treatment of the removal and replacement of Chance Cutouts, the removal and replacement of Durabute cutouts and the installation of cut-outs on un-fused lateral circuits. This is a targeted program to ensure adequate protection of lateral circuits and to replace known defective equipment.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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Capital Program Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-3.1

Recommend Program Desc Avista's Electric Distribution protected via fuse-links and affected customers. Engine of Chance Cutouts 2. Remo lateral circuits. This is a tary known defective equipmen	system is configure operate under faul ering recommends val and replacement geted program to er	Year Program or d into a trunk and to conditions to isola treatment of the fo	te the lateral mir flowing: 1. Rem ts 3. Installation	limize the number of oval and replacement of cut-outs on unfused	ERM Reduction Moderate certs 93 Performance Investments necessary to maintain current operations and to extend the life of current assets.	grams uire execution to p n >5 and <= 10 ainty around cost, s Annual Cost Capital Cost \$ 250,000 Annual Cost	schedule and reso Summary - Increas O&M Cost \$ 10,000	ources e/(Decrease) Other Costs	ERM Risk Score 8
Alternatives: Unfunded Program:	200 March 1997 (1997) (Performance n/a	Capital Cost \$ 10 10 10 10 10 10 10 10 10 10 10 10 10	O&M Cost \$ -	Other Costs \$ -	ERM Risk Score
Alternative 1: Brief name of alternative (if applicable)	Describe other opti	ions that were cons	idered		describe any incremental changes in operations	\$	\$	\$	8
Alternative 2: Brief name of alternative (if applicable)	Describe other opti	ions that were cons	idered		describe any incremental changes in operations	\$		\$	0
Alternative 3 Name: Brief name of alternative (If applicable)	Describe other opti	ions that were cons	idered		describe any incremental changes in operations	\$	\$	\$	0
Program Cash Flows					Associated Ers (list all applicable):			
5 years of costs	Capital Cost	O&M Cost	Other Costs	Approved	Current ER	System Wide			
1044-ACV (1440-1440-1440-1440-1440-1440-1440-1440	Capital Cost	Osin, cost	other costs	дриочец	2410	Oystein Wide			
2013	The second secon		\$ -	\$ 250,000				Service versus	
2014 2015			\$ - \$ -	\$ 250,000 \$ 125,000					
2016			\$.	\$ 125,000					
2017	<u> </u>	\$ 5,000	\$ -	\$ 125,000					
2018		\$ -	\$ -	\$ 125,000					
2019 Total		\$ - \$ 40,000	\$ - \$ -	\$ 125,000 \$ 1,125,000					
						ste-innervative-Nu-Day Prizes-Innervative-Nu-Day Prizes-Innervative			NATIONAL TO THE PROPERTY OF TH
Mandate Excerpt (If application	able):								
Additional Justifications: This program was funded fo laterals.	or a 2-year period in	the 2009-2010 tim	eframe. This req	uest allows for complet	ion of the Chance	e cutout replacemen	ts but also includes	the installation of de	ices on unfused
Resources Requirements: (request forms and a	pprovals attached)		SAME SILE OF THE SAME S					
Internal Labor Availability: Contract Labor:	Low Probability	☐ Medium Probability ☑ NO	☑ High Probablity	Enterprise Tech: Facilities: Capital Tools: Fleet:	☐ YES - attach form ☐ YES - attach form ☐ YES - attach form ☐ YES - attach form	✓ NO or Not Requ ✓ NO or Not Requ ✓ NO or Not Requ ✓ NO or Not Requ	ilred labor boxes ilred resource ov ilred a general se	ppropriate box. The in should be checked to vners have been conta inse of how likely staff ot require a firm comm	ndicate if the ted and to provide will be provided

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 211 of 303 Capital Program Business Case



Key Performance Indicator(s)

Exhibit No.__(KKS-5)
Attachment No.__ETD-3.2

Expected Performance I	mprovements		
KPI Measure:	# Cutout Replacement		
	# New Cutout Installation		
		Prepared	signature
		Reviewed	signature
			Director/Manager
			MARILIA SALVAN 2
		Other Party Revie	ew signature Mawy Stwy
		(if necessary	
			4

CDA and E Spokane, N & W This space is to be used for photographs, charts, C DEVENDENT 12F2 Convent FER to U.G. BKR 12F3 Record 1 ml Sandpoint 4S22 - Record 0.7 ml Roxboro 751 - Reinf 2.5 mi MIL 12F2 Record 0.5 ml Old Town - Dx Tie Record S Othelo 521 - Recond Colvile 34F1 - Hwy 25N Record Dalton 131 Record 1.5 mi 3HT 12F2-Waste Water Orin 12F3-Recond 2.4 mi Monroe St Secondary Cld. Record Colvide 12F2 - Record 2 ml Daton 131 - Recon 0 8 mi (lakeshore) Deton 133 - Add 1-ph 3 1 miles Milwood 12F4-Recond 0.5 ml Colville 12F2 - Record 4 7 ml Oakshol PF 213 - Record 1 2 ml Riverbend Pk Colbert 12F1 - Record 4/0 ACSR CHW12F2 - Record 0.25 ml - town NE 12F2 - Tie to NE 12F4 CHW12F2- Angel Pk Record 0 75ml Datton 134- Coldwater Ck Loop SE 12F2 - Tower MT Orin 12F1 and Colv 12F2 Viper Midline Pleasant View 241 - Ext 1 mi Blue Ck 321- Record 1.2 m) Liberty Lk 12FZ - Henry Rd Tie GRN12F1 Tie to CLV12F2 4.5 ml NE 12F1 Record & Solt FDR GIF 34F1 - CHW 12F3 FDR Tie Deton 131 - Extend 0.5 ml 9CE 12F4 - Record 366 Orin 12F2 - Record 1.2 ml Pine Ck 424- Record 1 mi Fort Wright 12F1- Record 1 mi GRN12F2 Record 4.1 Mi Old Kettle Rd Wallace 542 - Relocate 1.5 ml to bike tr Deer Park 12F2 - Record 2/0 ACSR CLV12F4 Record 1.6 mi Ogara 611 - Record 1 5 mi NE 12F2 - Tie to WAX 12F3 KET12F2 - Chg FDR Voltage to 13.2 kV Rathdrum 233- UG 1 ml (Syfte Ranch) Barker 12F2 - Tie to EFM 12F1 CLV34F1- Kelly Hill Rb\d Lucky Fri 552 - Add FDR East Farms 12F1 - Record 1.5 Mi CHW12F2- Flowery Trail Record CDA - Osprey mitigation Fort Wright 12F4 - Record 900' Huetter 142 - Extend 3ph 0 5 mi Colvile Area Switched Banks 9CE 12F2 - Tie to Chester 12F2 Lakeview 343 - Comv 6 mi to UG 5:Ner Lk 12F1 - Recand 2.1 ml Wallace 544-Record for Star Mine Palouse & L/C Third & Hatch 12F1 - Tie to 12F7 C&W 12F4 - Tie to 3HT 12F7 Holbroak 1206 - Record 3700' Chester 12F4 - Record 1.75 ml Orofino 1281 9CE 12F3/Bea 12F1 - Record 1 mi 10th & Stewart 1253 tie to 1256 Sunset 12F1- Record 1.5 ml 10th&Stewart 1253 - 1 mi record & regs 9CE 12F1- Tie to 9CE 12F3 Broky 0.5 mi S Lewiston 1358 Extend MIL 12F1 Record 1/0 CU 0 8 mil CFD 1210 - Record #6 CU CHE 12F3 Record 2/0 CU 3 mi Palouse 312 - Add Phase BKR 12F3 Record 2/0 ACSR 1 ml Mosouw 515 tie to 512 Ewan 241 Midline Regs

Rationale for decision

Review Cycles
2012-2016

Date Template

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Exhibit No.__(KKS-5)
Attachment No.__ETD-4

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Distribution Minor Rebuild

ER No: ER Name:

2055 Electric Distribution Minor Blanket

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$24,900 1

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	1,545	-	-	-	-	-	-	-	-	-	577	346	621
2015	8,300	875	672	640	664	684	644	879	622	636	677	684	623
2016	8.300	876	672	640	664	684	644	879	622	636	677	684	622

Business Case Description:

This program is for distribution minor rebuild as requested by the customer or initiated by Avista. Examples of construction work includes replacing meters, services, transformers, primary overhead or underground lines, or devices. This also includes addressing trouble related jobs (i.e. replacing burnt or damaged poles).

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
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Capital Program Business Case

Avena

Exhibit No.__(KKS-5)
Attachment No.__ETD-4.1

Investment Name: Requested Amount Duration/Timeframe Dept, Area:	Distribution Min \$ On-Going Operations	or Rebuild Year Program	8,300,000	Assessments: Financial: Strategic:	7.00% Reliability & ca	apacity						
Owner: Sponsor:	Bryan Cox Don Kopczynski Program			Business Risk: Program Risk:		Reduction >15 ainty around cost, s	schedule and reso	urces				
Category:				Assessment Score:	102	Annual Cost	Summary - Increas	o//Dogranca)				
Mandate/Reg. Reference: Recommend Program Desc				JASSESSITIENT SCORE.	and the second s			la contra de la contra del la contra del la contra del la contra de la contra del la contra de la contra de la contra del la contra de	Division and District			
This program is for distribution in the standard of the standa	tion minor rebuild a /ork includes replaci	ng meters, services	s, transformers, p	orimary overhead or	Performance describe any incremental changes that this Program would benefit present operations	\$ 8,300,000	O&M Cost	S -	Business Risk Score 4			
Alternatives:					Performance	Annual Cost Capital Cost	Summary - Increas O&M Cost	e/(Decrease) Other Costs	Business Risk Score			
Unfunded Program:	maintain our distrib	oution system. This	s program also in	minor rebuild jobs to icludes responding to isues if our crews do	n/a		Similar to the second s	\$\frac{1}{2} \frac{1}{2} \frac	20			
Alternative 1: Brief name of alternative (if applicable)	Describe other opti	ons that were cons	sidered		describe any incremental changes in operations		\$	\$	The state of the s			
Alternative 2: Brief name of alternative (if applicable)	Describe other opti				describe any incremental changes in operations		\$	\$ 1000000000000000000000000000000000000				
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opti	ons that were cons	sidered		describe any incremental changes in operations	\$		\$	0			
Program Cash Flows	Capital Cost	O&M Cost	Other Costs	Approved		Associated Ers (list	ali annlicable):					
Previous	Transport of the Control of the Cont	\$ -	\$ -	\$ -		2055						
2014			\$ -	\$ 8,300,000								
2015	\$ 8,300,000		\$ -	\$ 8,300,000								
2016	\$ 8,549,000	\$ -	\$ -	\$ 8,300,000								
2017	\$ 8,805,470	\$ -	\$ -	\$ 8,300,000								
2018 2019 2020+ Total	\$ 9,341,723 \$ -	\$ - \$ - \$ -	\$ - \$ - \$	\$ 8,300,000 \$ 8,300,000 \$ - \$ 49,800,000	2019	Total	Mandate Excerpt (if applicable):				
2055	\$ 8,300,000	\$ 8,549,000	\$ 8,805,470	- Water Committee of the Committee of th	\$ 9,341,723	\$ 44,065,827						
0	\$ - \$ -	\$ -	\$ - \$ -	\$ -	\$ -	\$ -	Mandate Excerpt (If applicable): provide brief citation of the law or regulation and reference number if possible					
0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
0	\$ -	\$ -	S -	5 -	\$ -	\$ -						
0	\$ -	\$ - \$ -	\$ - \$ -	\$ -	\$ - \$ -	\$ -		5-84-55 N () = 1 (A () () ()	e dominicacións.			
0	\$ -	\$	\$ -	\$ -	\$ -	š -	Additional Justifica	itions:				
0 0	\$ -	\$ -	\$ -	\$	\$ -	\$ -		ary information tha	may be useful in			
	\$ -	\$ -	\$ -	\$	\$	\$	describing in mo	re detail the nature	of the Project, the			
0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		urgency, etc.				
0 - 5 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6	\$ -	\$ - \$ -	\$ - \$ -	\$ -	\$ -	\$ - \$ -						
	\$ -	Š	\$ -	\$ -	\$ -	\$ - \$ -						
0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
0	\$ -	\$ -	\$	\$ -	\$ -	\$ -						
Total	\$ 8,300,000	\$ 8,549,000	\$ 8,805,470	\$ 9,069,634	\$ 9,341,723	\$ 44,065,827						
Resources Requirements: (request forms and a	pprovals attached)										
Internal Labor Availability: Contract Labor:		✓ Medium Probability	High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	✓ NO or Not Requ ✓ NO or Not Requ ✓ NO or Not Requ ✓ NO or Not Requ	ired labor boxes resource ow ired a general se	opropriate box. The it should be checked to mers have been conta nse of how likely staff ot require a firm comr	indicate if the cted and to provide will be provided			
Key Performance Indicator Expected Performance Improven KPI Measure:				1								

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 214 of 303 Capital Program Business Case

Page 2' Capital Prograi

Exhibit No.__(KKS-5)
Attachment No.__ETD-4.2

			Prepared	signature		
1.2	#REFI		-	 		
1	#REFT					
0.8	#REF!		Reviewed	signature	Director/Manager	
8.0	—— Poly. (#REFI)				Dirocomunago	
0.6			-1 - 1 - 1	-1	MayuiStevens	2
0.4			Other Party Revlew (if necessary)	signature)	Director/Manager	<i>0</i>
0.2		This graph is to provide a place to direct			4	
		the KPI benefit. Providing a graph is recommended to help communicate				
0 +	1	what the project is intended to accomplish.				
	The state of the s	hard-mic-Micagan				
	This space is to be used for	r photographs, charts, or other data that	may be useful in e	vaulating the	Program	
-					· · · · · · · · · · · · · · · · · · ·	
To be com	pleted by Capital Planning Group					
Rationale	for decision				Review Cycles 2012-2016	
			Date		Template	
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Exhibit No.__(KKS-5)
Attachment No.__ETD-5

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Distribution Transformer Change-Out Program ("TCOP")

ER No: ER Name:

2535 TCOP Related Distribution Rebuilds

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$13,3441

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	597	-	-	-	-	-	-	-	-	-	158	76	363
2015	4,700	514	379	357	373	387	360	516	345	355	382	386	346
2016	4,700	514	379	357	373	387	360	516	345	355	382	386	346

Business Case Description:

The Distribution Transformer Change-Out Program has three main drivers. First, the pre-1981 distribution transformers that are targeted for replacement average 42 years of age and are a minimum of 30 years old. Their replacement will increase the reliability and availability of the system. Secondly, the transformers to be replaced are inefficient compared to current standards. Thirdly, pre-1981 transformers have the potential to have PCB containing oil. The transformers to be removed early in the programs are those that are most likely to have PCB containing oil and their replacement will reduce the risk of PCB containing oil spills.

Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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Capital Program Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-5.1

Investment Name: Requested Amount Duration/Timeframe Dept, Area: Owner: Sponsor: Category: Mandate/Reg. Reference: Recommend Program Desc The Distribution Transformers that are targe old. Their replacement will transformers to be replaced result in energy savings. Th transformers to be removed and their replacement will is	Asset Manageme Glenn Madden (N Don Kopczynski Program n/a cription: er Change-Out Prograted for replacement increase the reliabil d are inefficient com irrdly, pre-1981 tran- d early in the progra- reduce the risk of po	Year Program ent & Process Imp Manager) & Al Fisi ram has three main average 42 years o lity and availability pared to current st sformers have the p m are those that ar	7,000,000 rovement ner (Dir) drivers. First, th fage and are a n of the system. S andards and thel notential to have e most likely to h	ninimum of 30 years econdly, the r replacement will pcb containing oil. The nave pcb containing oil	completed save an average of 5.6 MW per	grams quire e n >5 a aroun C	execution to p and <= 10 d cost, sched Annual Cost apital Cost 5,800,000	ule ar Sumn \$	nd resources nary - Increas &M Cost 105,000		Business Risk Score 3
Alternatives:					Performance	С	apital Cost		&M Cost	Other Costs	Business Risk Score
Unfunded Program:	A THE STOCK STREET, WAS ASSESSED.	ement program for containing oil spill		formers. Substancially	n/a	\$	4,500,000	\$	200,000	\$ 900,000	12
Alternative 1: Transformer Change-Out Program	First, the pre-1981 replacement avera	distribution transfo ge 42 years of age a	rmers that are to and are a minimu		When completed save an average of 5.6 MW per	\$	5,800,000	\$	105,000		3
Alternative 2:	 Service of the service /li>		Philadel and the second of the back that the	at the TCOP does work ard guy insulator (fiber		\$	200,000	\$			0
Alternative 3 Name :						\$		\$		\$ -	0
Program Cash Flows					Associated Ers (list all	applicable):				
5 years of costs	-		000000000000000000000000000000000000000		Current ER		1003	1881			
National Control of the Control of t	Capital Cost	O&M Cost	Other Costs	Approved			2060 2535				
2012	\$ 7,000,000	\$ 100,000	\$ -	\$ 6,000,000		100000	2000	7-1-5-15 2-1-5-15			
2013			\$ -	\$ 2,924,015							
2014 2015		\$ 105,000 \$ 107,000	\$ - \$ -	\$ 3,944,000 \$ 4,700,000	-						
2016		\$ 110,000	\$ -	\$ 4,700,000							
2017				\$ 1,100,000							
2018 Total		\$ 524,000	S -	\$ - \$ 23,368,015							
Mandate Excerpt (if applications:	able):										
Resources Requirements: (request forms and a	pprovals attached)									
internal Labor Availability: Contract Labor:	☐ Low Probability ✓ YES	☐ Medium Probability ☐ NO	✓ High Probablity	Enterprise Tech: Facilities: Capital Tools: Fleet:			✓ NO or Not Requ ✓ NO or Not Requ ✓ NO or Not Requ ✓ NO or Not Requ	ired ired	labor boxes resource ow a general se	ppropriate box. The li should be checked to mers have been conta nse of how likely staff ot require a firm comm	indicate if the cted and to provide will be provided

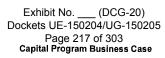


Exhibit No.__(KKS-5) Attachment No.__ETD-5.2

Key Performand Expected Performa									
KPI Measure:	Dis	tribution Transforn tribution Transforn	ner Events	Distribution Tra	insformer Oil Spills				
				gs	Prepared	signature			
350 7	Distrib	ution Transform	er Events			÷			
350 - 300 - 250 - 2 200 - 2 150 - 100 - 50 -					Reviewed Other Party Review (if necessary)	signature	Margii.	Director/Manager SHUUM Director/Manager	
	2006	2007 2008	2009	2010			•	over the substitute of the sub	
	2006 2007 2008 2009 2010	309 230 262 213 182							
				· · · · · · · · · · · · · · · · · · ·					
To be comple	ted by Capita	l Planning Group	9		ALCO PART CONT.				
Rationale fo	r decision							Review Cycles 2012-2016	
								2012-2010	

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Exhibit No.__(KKS-5)
Attachment No.__ETD-6

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Distribution Wood Pole Management ("WPM")

ER No: ER Name:

2060 Wood Pole Mgmt

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$31,5501

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	1,198	-	-	-	-	-	-	-	-	-	308	142	748
2015	11,000	1,201	886	837	874	905	843	1,207	808	831	895	905	810
2016	11,000	1,201	886	837	874	905	843	1,207	808	831	895	905	810

Business Case Description:

Distribution Wood Pole Management Program inspects all Electric Distribution Feeders on a 20 year cycle and repairs or replaces wood poles, cross arms, missing lightning arresters, missing grounds, bad cutouts, bad insulating pins, bad insulators, leaking transformers, replaces guy wires not meeting current code requirements on poles replaced by WPM, and replaces pre-1981 transformers.

Offsets:

The attached copy of the business case does not identify any O&M offsets. However, The Company estimates the cost of an event associated with a bad wood pole based on crew response and labor is approximately \$600. For the test year, Avista saw a slight increase in the number of outages to 850 events. For 2016 we anticipate a reduction of 110 events. We estimate that the O&M offset for 2016 due to Wood Pole Management work is \$66,000. This translates to a Washington offset of \$43,000 in 2016.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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Investment Name: Requested Amount Duration/Timeframe Dept, Area: Owner: Sponsor: Category:	Estimated Total Capital Expense Estimated Total Capital Expense Indefinite Year Program Financial: Asset Maintenance Strategic: Glenn Madden (Manager) & Heather Rosentrater/A Business Risk: Don Kopczynski Program	od Pole Managel Capital Expense Year Program ce Manager) & Heath	ment e Rosentrater	Assessments: Financial: Strategic: A Business Risk: Program Risk:	7.42% Life-cycle asset management Business Risk Reduction >5 a	7.42% Life-cycle asset management Business Risk Reduction >5 and <= 10 High certainty around cost, schedule ar	7.42% Life-cycle asset management Business Risk Reduction >5 and <= 10 High certainty around cost, schedule and resources				
Mandate/Reg. Reference:	NESC - See WPM Compliance Plan for details	M Compliance Pla	an for details	Assessment Score:	#NAME?	Annual Cost	Annual Cost Summary - Increase/(Decrease)	e/(Decrease)			,
Kecommend Program Description: Distribution Wood Pole Manageme and repairs or replaces wood poles, bad insulating pins, bad insulators, requirements on poles replaced by	Kecommend Program Description: Distribution Wood Pole Management Program inspects all Electric Distribution Feeders on a 20 year cy and repairs or replaces wood poles, crossarms, missing lightning arresters, missing grounds, bad cutou bad insulating pins, bad insulators, leaking transformers, replaces guy wires not meeting current code requirements on poles replaced by WPM, and replaces pre-1981 transformers	inspects all Electric missing lightning a sformers, replaces replaces pre-1981 i	c Distribution Fee arresters, missing guy wires not m transformers	ders on a 20 year cycle grounds, bad cutouts, eeting current code	Performance Customer IRR = 7.42% and avoids an average of 1,700 additional events per year	S 11,172,022	\$ 530,943	Other Costs \$ 5,996,350	Business Risk Score 50 15	Score	
						Annual Cost	Annual Cost Summary - Increase/(Decrease)	e/(Decrease)			
Alternatives:					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score	k Score	
Status Quo: No Wood Pole Management	Run wood poles and associated equipment to failure	id associated equip	oment to failure		Increase OMT events by 1,700 events	\$ 8,186,361		\$ 6,834,467	6		ckets UE-150
Alternative 1: Distribution Wood Pole Management - 20 Year Inspection Cycle	Part Charles and Life assets	Pole Management rs on a 20 year cycl lightning arresters insulators, leaking	Program inspect le and repairs or , missing ground g transformers, a	Distribution Wood Pole Management Program inspects all Electric Distribution Feeders on a 20 year cycle and repairs or replaces wood poles, crossarms, missing lightning arresters, missing grounds, bad cutouts, bad insulating pins, bad insulators, leaking transformers, and replaces pre-1981	Customer IRR = 7.94% and avoids an average of 1,700 additional events per year	\$ 10,712,022	\$30,943	\$ 5,996,350	115		(DCG-20) 0204/UG-1502 9 of 303
Alternative 2: Distribution Wood Pole Management - 20 Year Inspection Cycle with Guy Wire		Pole Management rs on a 20 year cycl lightning arresters insulators, leaking	Program inspect le and repairs or , missing ground g transformers, re	Distribution Wood Pole Management Program inspects all Electric Distribution Feeders on a 20 year cycle and repairs or replaces wood poles, crossarms, missing lightning arresters, missing grounds, bad cutouts, bad insulating pins, bad insulators, leaking transformers, replaces guy wires not	Customer IRR = 7.42% and avoids an average of 1,700 additional events per year	\$ 11,172,022	\$ 530,943	\$ 5,996,350	50 15		
Alternative 3 Name: Distribution Wood Pole Management - 10 Year	And The Control of the Control	Pole Management rs on a 10 year cycl lightning arresters	Program inspect le and repairs or , missing ground	Distribution Wood Pole Management Program inspects all Electric Distribution Feeders on a 10 year cycle and repairs or replaces wood poles, crossarms, missing lightning arresters, missing grounds, bad cutouts, bad	Customer IRR = 7.66% and avoids an average of 2,250 additional	\$ 17,296,437	\$ 961,699	\$ 4,920,632	32 10		
Program Cash Flows	5000000	all value of the second of the	5 manaronnicia, 16	places guy wiles not	events per vear						Exhi Atta
	Capi	O&N	100 March	Appr		Associated Ers (list all applicable)	all applicable):				
Previous	9,893,700	\$ 507,337	S	\$ 9,486,300		2060					
2013	11 500 000	\$ 519 006			al a			15.00 100 100 100 100 100 100 100 100 100			
2015	· ·	<u>ب</u> د	2 500,000	\$ 2							
2016	\$	Ş	\$	Ş							
2017 \$	\$ 15,000,000 \$ 15,000,000	\$ 555,648 \$ 570,094	\$ 4,574,638	\$ 12,000,000							D-6.
Section Communication Transfer		•		L							.1

Exhibit No.

(DCG-20)

Exhibit No.__(KKS-5)

Capital Program Business Case

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Exhibit No.__(KKS-5)

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Exhibit No.__(KKS-5)
Attachment No.__ETD-7

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Meter Minor Blanket

ER No: ER Name:

2073 Meter Minor Blanket

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$9401

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	1,039	-	-	-	-	-	-	-	-	-	465	170	404
2015	5,806	484	484	484	484	484	484	484	484	484	484	484	484
2016	5.806	484	484	484	484	484	484	484	484	484	484	484	484

Business Case Description:

The existing power line carrier system for reading meters has failed and is not repairable. This project will replace the existing meters with two way automated communications system (TWACS) meters and replace substation equipment with TWACS equipment.

Offsets:

There are no anticipated offsets with this business case.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-7.1

Investment Name:	Minor Meter Bla	nket	ula sa se Jesis, Se G		*				
Requested Amount	Estimated Total		ture	Assessments:					
Duration/Timeframe	A CONTRACTOR OF THE PROPERTY O	Year Project		Financial:	12.56%			NESKE BEREIT	
Dept, Area:	Electric Meter Sh			Strategic:	Reliability & C				
Owner:	Heather Rosentra	ater		Business Risk:		Reduction >5 and around cost, sche			
Sponsor:	Don Kopczynski Project			Project Risk:	right certainty	alound cost, sche	due and resources		
Category: Mandate/Reg. Reference:	n/a			Assessment Score:	#NAME?	Annual Cos	t Summary - Increas	e/(Decrease)	
Recommend Project Descri		Blog II S II S		Assessment seeter	Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Sco
The existing power line cari	Pattern Control of the Control of th	og meters has failer	and is not repair	able. This project will	Reduce	\$ 90,000		\$ -	2
replace the existing TURTLE equipment. 2/18/14 - requ 2014. Separate Item - \$390 from ER2059 as in prior yea increase of \$440k transfere	meters with TWAC lested carryover of \$ lk increase associate irs the charges assoc	s meters and repla 50k for work appro d with electric met clated with this wo	ce substation equoved in 2013 but er replacement r	ipment with TWACS not finished until July ion-revenue. Transfer	overtime from meter reading and bill estimation			The content of the	
Alternatives:		E SE			Performance	Annual Cos Capital Cost	t Summary - Increas O&M Cost	e/(Decrease) Other Costs	Business Risk Sco
Unfunded Project:	The Turtle meters the winter.	will be hand read w	then they can and	destimated through	n/a	S The second sec	\$ 14,515	Section 1	12
Alternative 1: Brief name	Replace with Fixed	Network			Could only	\$ 55,000	\$ 60	\$ -	2
of alternative (if					cover a				
applicable)					percentage of				
					the meters and				5 Broken 5 3 6
Alternative 2: Brief name of alternative (if applicable)	Describe other opt	ions that were con	sidered		describe any incremental changes in operations	\$	\$		0
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opt	ions that were con	sidered		describe any incremental changes in operations	\$ -	\$	\$	0
Program Cash Flows			TF (000 - 000 00 00 00 00 00 00 00 00 00 00				The state of the s		
Previous	Capital Cost	O&M Cost	Other Costs	Approved \$ -		Associated Ers (list	all applicable):		
2013		\$	\$ -	\$ 90,000				(147) 117 (147) 117 (147) 117 (147) 117 (147) 117 (147) 117 (147) 117 (147) 117 (147) 117 (147) 117 (147) 117	
2014	The state of the s		\$ -	\$ 340,000					Lietuvas karakas kaistas
2015	and the second s	\$	\$ -	\$ 300,000					
2016	\$ 15,000	\$	\$ -	\$ 300,000	I				
2017	\$ 15,000	\$ -	\$ -	\$ 300,000	- Table				
2018		\$ -	\$ -	\$ 300,000					
2019 Total		\$ -	\$ - \$ =	\$ 300,000					
iotai	\$ 130,000	1-5	17	5 1,550,000	At a state of the				
ER	2013	2014	2015	2016	2019	Total	Mandate Excerpt	(if applicable):	
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0 1 1 1 1 1 1 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		urgency, etc.	
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IOIAI] ?	19	<u> </u>	4	13 -	14 - 7			
Milestones (high level de January-00 January-00 January-00 January-00 January-00 January-00 January-00	targets) open open open open open open open open		January-00 January-00 January-00 January-00 January-00 January-00	open open open open open open		January-00 January-00 January-00 January-00 January-00 January-00	open open open open open open	Use your ju	should be general. dgement on project that progress can
Resources Requirements: Internal Labor Availability: Contract Labor:	request forms and o	approvals attached Medium Probability NO	High Probability	Enterprise Tech: Facilities:		□ NO or Not Required □ NO or Not Required			NO or Not Required NO or Not Required

Exhibit No. ___ (DCG-20)
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AVISTA

YES - attach form

Exhibit No.__(KKS-5)
Attachment No.__ETD-7.2

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205

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Key Performance Indicator(s)

Exhibit No.__(KKS-5) Attachment No.__ETD-7.3

Expected Perform	mance Improvements			
KPI Measure:	Fill in the name of the KPI here			
	Fill in the name of the KPI here			
1.2				
	#REF!		•	
1	#REF!			
0.8	#REFI Project FO Rate		Prepared	signature
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			Reviewed	signature
0.4			Reviewed	Director/Manager
0.2				v signature Margu Stevens
0		Oti	her Party Review (if necessary	v signature 1 / WV/U 31 VVV
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			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	This space is to be used for photographs, charts, or	one, and marma	, 20 405141 111 5	, and my second
			NISSELECTION - 41.	
To be comp	leted by Capital Planning Group		The second second	
Rationale	for decision		4	Review Cycles
				2012-2016
			Date	Template
			Date :	recipiate

Exhibit No.__(KKS-5)
Attachment No.__ETD-8

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Electric Replacement/Relocation

ER No: ER Name:

2056 Distribution Line Relocations

2061 WSDOT Franchise Requirements Construction

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$6,652 1

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	437	-	-	-	-	-	-	-	-	-	84	175	178
2015	2,400	248	195	186	193	198	187	249	182	185	196	198	182
2016	2,500	258	203	194	201	206	195	259	189	193	204	206	189

Business Case Description:

This annual program will replace sections of existing infrastructure that require replacement due to relocation or improvement of streets or highways. Requirements may come from our franchise agreements, permits, or Washington Department of Transportation. Avista installs many of its facilities in public right-of-way under established franchise agreements. Avista is required under the franchise agreements, in most cases, to relocate its facilities when they are in conflict with road or highway improvements.

Offsets:

There are no anticipated offsets with this business case.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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Capital Investment Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-8.1

Investment Name:	the state of the s	nt and Relocation												
Requested Amount Duration/Timeframe	\$ On-Going	2012+	2,700,000	Assessments: Financial:	Medium - >= 5	%&<	<9% CIRR							
Dept, Area:	Gas and Electric	Annual Company of the Control of the		Strategic:	Other									
Owner:	Al Fisher			Operational:	Operations rec			erform	at current	evels				
Sponsor: Category:	Don Kopczynski Mandatory			Business Risk: Program Risk:	ERM Reduction Moderate certa			chedu	le and reso	urces				
Mandate/Reg. Reference:		ments and Permit	S	Assessment Score:	140	T	Annual Cost		Common Company of the Common C	Western Street Condens Control of the				
Recommend Program Desc					Performance	c	apital Cost	08	&M Cost	Other C	osts	Business R	isk Score	
This annual program will re relocation or improvement agreements, permits, or W. established franchise agree relocate its facilities when t	of streets or highwa A DOT. Avista instal ments. Avista is rec	ays. Requirements Is many of Its facilit Juired under the fra	may come from c les in public right nchise agreemen	our franchise -of-way under		\$	2,700,000 Annual Cost	\$		\$		2		
Alternatives:				The same of the sa	Performance	C	apital Cost	C. Tarrior Control (1990)	M Cost	Other C		Business R	isk Score	
Status Quo : Anno Maria de la composición del composición de la composición de la composición del composición de la composición de la composición de la composición del composición del composición del composición del composición del composición del composición del composición del composición del composición del composición del composición del composición del composición del composición de		it of compliance wi vork is not complet		nchise agreements	n/a	\$		\$		\$	-	16		
Alternative 1:	A CONTRACTOR OF THE ACTION AND ADDRESS OF THE	n conflict with stree ise agreements and			n/a	\$	2,700,000	\$		\$	<u>-</u>	2		
Alternative 2:						\$		\$		ţ	÷	0		
Alternative 3 Name: Brief name of alternative (if applicable)					describe any incremental changes in operations	\$		\$		\$		0		
				and the second constraint and the second						orthogrammakani	alasses (especial)	Alexa Nova Advante Day	i de a de constante de la constante de la constante de la constante de la constante de la constante de la cons	
Program Cash Flows 2012-2016					Associated Ers (Current ER	list al	applicable):							
Constructive and the second second	Capital Cost	O&M Cost	Other Costs	Approved	2056	Annual Chi				aspetien				
Previous 2012		\$ -	\$ - \$ -	\$ -	2061					Registere si Villago. Hanna Cita a a a a a	eran IV.	NEW AND A		
2013			\$ -	\$ 2,200,000	AND AND AND ADDRESS	11.74.0.11	<u> </u>	Sara Arresa	ALLONDO TRE MOTOR	Epitologia, e nevo a n	<u> </u>	la falkombango	<u> </u>	
2014	\$ 2,300,000	\$ -	\$ -	\$ 1,752,430										
2015		\$ -	\$	\$ 2,400,000										
2016		\$ -	\$ -	\$ 2,500,000										
2017 2018		\$ -	\$ - \$ -	\$ 2,600,000 \$ 2,700,000										
2019		\$ -	\$ -	\$ 2,800,000										
Total		\$ -	\$ -	\$ 19,352,430						•				
Mandate Excerpt (If applic Franchise agreements, typi		id R/R permits and	WA Department o	of Transportation prescr	ibe that the utilit	y will r	elocate at thei	rexpen	se when in c	onflict with e	entity ac	tivities.	Source State	
Additional Justifications: Mandatory work to mainta	in compliance with	existing franchise a	nd operating pern	nits with state highway	districts and rail	roads.					STATE OF THE PARTY			
Resources Regulrements: (request forms and a	approvals attached)												
Internal Labor Availability: Contract Labor:	Low Probability YES	✓ Medium Probability ☐ NO	☐ High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form		☑ NO or Not Requ ☑ NO or Not Requ ☑ NO or Not Requ ☑ NO or Not Requ	ired ired	interna should resour	the appropriat Il and contract be checked to ce owners hav ted and to pro	labor bo indicate e been	oxes of the		
Key Performance Indicator Expected Performance Improver KPI Measure:									sense o provide	contacted and to provide a general sense of how likely staff will be provided (this does not require a firm committment).				

AVISTA

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Exhibit No.__(KKS-5) Attachment No.__ETD-8.2

Prepared	signature
Reviewed	signature
	Director/Manager
	income A A L MIC
	signature Warmi Stuyns
Other Party Review	signature // ////// S/ C/S
(if necessary)	Director/Manager

WSDOT Franchise work will be incorporated into ER2056 in years 2014 - 2018

This space is to be used for photographs, charts, or other data that may be useful in evaulating the Program **Projected Spend** 3000000 2500000 2000000 1500000 ≈ 2056 **= 2061** 1000000 500000 0 2013 2014 2015 2016 2017 2018

for decision		Review Cycles
		2012-2016
	Date	Template

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Exhibit No.__(KKS-5)
Attachment No.__ETD-9

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Environmental Compliance

ER No: ER Name:

6000 PCB Identification & Disposal
 6101 Forest Service Requirements
 6002 Environmental Compliance Blanket

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$ 1,151 1

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	46	-	-	-	-	-	-	-	-	-	-	-	46
2015	500	21	21	83	21	21	83	21	21	83	21	21	83
2016	500	21	21	83	21	21	83	21	21	83	21	21	83

Business Case Description:

Implementation of Forest Service Special Use Permits, waste oil disposal, including polychlorinated biphenyls (PCB), and environmental compliance requirements related to storm water management, water quality protection, property cleanup and related issues, etc.

Offsets:

There are no anticipated offsets with this business case.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 231 of 303

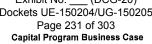


Exhibit No.__(KKS-5) Attachment No.__ETD-9.1



Investment Name:	Environmental Compliance								
Requested Amount	\$250,000 As	sessments:							
Duration/Timeframe	30 Year Program Fin	ancial:	High - Exceeds	12% CIRR					
Dept, Area:	Environmental Str	ategic:	Other						
Owner:	Darrell Soyars (Mgr.); Bruce Howard (Dir) Op	erational:							
Sponsor:		siness Risk:	ERM Reductio						
Category:		ogram Risk:		around cost, sched	ule and resources				
		sessment Score:	182		e/(Decrease)				
Recommend Program Desc		sessiment score:	Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Scor		
Implementation of Forest S	ervice Special Use Permits (SUP) , Waste Oil Disposal, includ requirements related to storm water managmeent, water q	n/a	\$ 250,000			6			
				Annual Cost	Summary - Increas	e/(Decrease)			
Alternatives:			Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Scor		
Alternative 1: Funded SUP	Avista is required to perform various mitigation activities as	ssociated with our	n/a	\$ 100,000	\$ -	\$ -	20		
implementation	right-of-ways (ROW) across National Forest lands. These ac performed under the framework of the Special Use Permits States Forest Service (USFS) for 30 years which requires mil protect.								
Alternative 2: Unfunded SUP implementation	If mitigation projects are not performed in accordance with annual workplans, this would represent a violation of the S the activities associated with our ROW at risk. Potential for enforcement/penalties, as well as NERC/WECC enforcement	UP, thus placing r USFS		\$	A Company of the Comp	from moderate to extreme	6		
Alternative 1: Funded PCB Disposal	Proper disposal of Waste Oil and PCB equipment is required Washington State and Environmental Protection Agency (El Substance Control Act (TSCA) regulations.	terrange i ligging balanggapa balangkan began at	Termination of the Control of the Co	\$ 150,000		\$ -	O		
Alternative 2: Unfunded PCB Disposal	If the PCB disposal is not funded, we would be subject to purion-compliance with state/federal laws, as well as subject via enforcement action or to cleanup liabilities, including redamages by agencies.	to proper disposal			\$	from moderate to extreme	0		
Alternative 1: Funded Environmental Compliance	Funding of this program reduces rish of non-compliance an liability	d evironmental		\$	\$ -	\$	15		
Alternative 2: Unfunded Environmental Compliance	If unfunded, Avista would run the risk of having facilities ou an/or liability from contamination. Could experience fince of				\$ -	from moderate to extreme	2		
Program Cash Flows			Associated Ers (list all applicable);					
5 years of costs			Current ER	6101	6000	6002			
	Capital Cost O&M Cost Other Costs	Approved	PROPERTY AND ADDRESS OF THE PARTY OF THE PAR	Process and Street Manager Company	ELIAL DESCRIPTION FRANCES	SERRESTRATEGICA DE LA CARRESTRA	THE STATE OF THE S		

Program Cash Flows						Associated Ers (list all applicable):						
5 years of costs						Current ER	6101	6000	6002			
	Capital Cost	O&M Cost	Other Costs	100	Approved		Search Street					
Previou	s \$ -	\$ -	\$ -	\$								
201	2 \$ -	\$ -	\$ -	\$	350,000							
201	3	\$ -	\$ -	\$	251,000							
201	1 \$ 250,000	\$ 112	\$	\$	151,000							
201	5 \$ 250,000	\$ -	\$ -	\$	500,000							
201	5 \$ 250,000	\$ -	\$ = = -=	\$	500,000							
201	7 \$ 250,000	\$	\$	Ś	500.000							

500,000

500,000 1,250,000

Mandate Excerpt (if applicable):	

Additional Justifications:

SUP: Vegetation management is a requirement of the North American Electric Reliability Corporation (NERC) and in place to prevent outages from vegetation located on the transmission ROW and to minimize outages from vegetation located outside the ROW. Unmanaged vegetation growing near power lines can cause damage to facilities, interrupt power supply and start wildfires. Other objectives are to provide a clear, safe work space and access to teh ROW for construction and maintenance work. Permit conditions allow us to conduct vegetation management. PCB: EPA Federal PCB Regulations. (for disposal of PCB equipment): Toxic Substances Control Act and Washington Dangerous Waste Regulations (provides criteria for managing and disposal of PCB).

Resources Requirements: (request forms and approvals attached)

2018 \$

2019 \$

250,000 \$

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Exhibit No.__(KKS-5) Attachment No.__ETD-9.2

Internal Labor Availability: Contract Labor:	Low Probability YES	☐ Medium Probability ☐ NO	☑ High Probablity	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	✓ NO or Not Required ✓ NO or Not Required ✓ NO or Not Required ✓ NO or Not Required	Check the appropriate box. The internal and contract labor boxes should be checked to indicate if the resource owners have been contacted and to provide a general sense of how likely staff will be provided (this does not require a firm committment),
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Exhibit No.__(KKS-5) Attachment No.__ETD-9.3

	rmance Indicator			111111				Attachment No	oETD-9.3
Expected Per KPI Measu	rformance Improvei re:		gs with the Nationa	l Forest Service (NF	<u>(s)</u>				
		Environmenta	Protection Agency		<u> </u>				
		WDOE			Prepared	signature			
1.2 ⊤					Trepared	oignature	· · · · · · · · · · · · · · · · · · ·		
1	worsandritro								
1	Continues.								
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0.6	—— Poly. ()							Director/Manager	
0.4							Maria	Chunne-	
0.2				ide a place to direct		signature	Margu.	Stwens- Director/Manager	
			the KPI benefit. Pro- recommended to he		(if necessary)	1	0	Director/Manager	
0 +	1 2	3 4	what the project is i						
						·		XXX	
Capital B	udget Project	ions							
	ER 600	Acces (States as a colored		2014 20	2016			PCB Wast Management	
	ER 610:		5.44	0,000 100,		***************************************		Permit Renewal/implementation	
	ER 600	Commission of the Commission o	20	0,000 200,	200,000	200,000	200,000	Environmental Compliance Pullman Sto	rm Water
E14			450,	.000 450,0	00 450,000	450,000	450,000		
	mpleted by Ca e for decision	pital Planning	Group					Review Cycles 2012-2016	
						Date		Template	
						5.00			

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Exhibit No.__(KKS-5)
Attachment No.__ETD-10

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Primary Underground Residential Distribution ("URD") Cable Replacement

ER No: ER Name:

2054 Electric Underground Replacement

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$1,7501

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	74	-	-	-	-	-	-	-	-	-	24	24	27
2015	1,000	27	20	19	207	208	207	215	18	19	20	21	18
2016	-	-	-	-	-	-	-	-	-	-	-	-	-

Business Case Description:

This effort involves replacing the first generation of Underground Residential District (URD) cable. This project has been ongoing for the past several years and focuses on replacing a vintage and type of cable that has reached its end of life and contributes significantly to URD cable failures.

Offsets:

A five year plan to inspect and maintain our padmount equipment will add \$800,000 per year to the O&M spending for the first five years. Washington's allocation of these additional O&M Costs are \$522,000.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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Capital Investment Business Case

AVISTA

Exhibit No.__(KKS-5) Attachment No.__ETD-10.1

Investment Name:	Primary URD Cable Replacement 2013	1					
Requested Amount	\$1,800,000	Assessments:		770			
Duration/Timeframe	2 Year Project	Financial:	MH - >= 9% &	<12% CIRR			
Dept,., Area:	Asset Management & Process Improvement	Strategic:	Life Cycle Prog	7.54-0.000-0.			
Owner:	Kevin Christie	Operational:		proved beyond curr	ent levels		
Sponsor:	Jason Thackson	Business Risk:		n >5 and <= 10			
Category:	Project	Project/Program Risk:			ule and resource	8	
- '	n/a	Assessment Score:	110		nmary - Increase/(I		
Recommend Project Descr			Performance	Capital Cost	O&M Cost	Other Costs	ERM Risk Score
CONSTRUCTION AND ADDRESS OF THE PROPERTY OF THE PARTY OF	of the un-jacketed first generation of Primary URD cable		Customer IRR =	\$ 1,800,000	S -	\$ -	4
Complete the replacement	So the direction of the control of t		10% and avoids an average of 600 outages per year				
			•	Cost Sur	nmary - Increase/(I	Decrease)	
Alternatives:			Performance	Capital Cost	O&M Cost	Other Costs	ERM Risk Score
Status Quo:	Number of Primary URD Cable faults would increase an cable would also increase. Without this work and the pthe increased O&M costs would sum up to \$8.8 million	ast 4 years of work,	Increase number of Outage towards 700	\$	\$	\$ 1,300,000	10
Alternative 1: Primary URD Cable Replacement	Complete the replacement of the un-jacketed first generable	eration of Primary URD	Customer IRR = 10% and avoids an average of 600 outages per year	\$ 1,800,000	\$		4
Alternative 2: Brief name of alternative (if	Describe other options that were considered		describe any incremental	\$ -	\$ -	\$ - 3	0
applicable)			changes in operations	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other options that were considered		describe any incremental changes in operations	\$	9	\$	0
Timeline				Construction Cash I	lows (CWIP)		
٦				Capital Cost	O&M Cost	Other Costs	Approved
ļ			Previous	\$ 19,852,679	\$	\$ 100	\$ 19,852,679
			2012	\$ 1,800,000	\$	\$ -	\$ 1,982,000
1			2013	\$ 1,000,000	\$ -	\$	\$ 1,000,000
+			2014	\$ 1,000,000	\$ -	\$	\$ 750,000
1			2015	\$ 1,000,000	\$ -	\$ -	\$ 1,000,000
			2016	\$ 1,000,000	\$ -	\$ -	\$ -
1			2017		\$ -	\$ -	\$ -
4			2018		\$ -	\$ -	\$
			2019		\$	\$ -	Ś
			Future		\$ -	\$ -	Š -
1			Total		Š	Š -	\$ 24,584,679
Replace Old URD Cable	2 4 6 8 10 12 Time (Months)	14	Commence of the control of the contr			Acceptance on distinct operations and the	
Milestones (high level t	(areate)						

Milestones (high leve November-11 March-12 June-12	Project Started Project Plan Project Design		2016 9 9 C 2018 12 C 2018 13 C 2018 14 C 2018 14 C 2018 14 C 2018 15 C 2018 15 C 2018 15 C 2018 15 C 2018 15 C	December-12 December-12 mm/dd/yy	Plant In Se Project Co open	mm/dd/yy mm/dd/yy mm/dd/yy	open open open	
March-12 September-12	Major Procureme Construction Star			mm/dd/yy mm/dd/yy	open open		ses it may be as simple as projec project progress so that progre	
ssociated Ers (list all ap	oplicable):	Current ER	2054					
andate Excerpt (If app	licable):							
dditional Justifications								A STORY

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Exhibit No.__(KKS-5) Attachment No.__ETD-10.2

AVISTA

Resources Requirements:	(request farms and	appravals attached)					
Internal Labor Availability: Contract Labor:	✓ YES	☐ Medium Probability ☐ NO	✓ High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	✓ NO or Not Required ✓ NO or Not Required ✓ NO or Not Required ✓ NO or Not Required	Check the appropriate box. The Internal and contract labor boxes should be checked to indicate if the resource owners have been contacted and to provide a general contacted and to provide a g
Key Performance Indicato Expected Performance Improve KPI Measure:		le Events					sense of how likely staff will be provided (this does not require a firm committment).
	Avoided Outage I			Prepared	signature		
KPI Description 2009	ojected URD Cable - I Events 143		IRD Cable - Primary OMT Events 136				
2010	119 94 70		93	Reviewed	signature	Dir	ector/Manager
2013 2014 2015	45 45 45			Other Party Review		Margu St	Were ector/Manager
	re	e KPI benefit. Providin commended to help co hat the project is inten	mmunicate	(if necessary)	()	естопинапады
	voided Costs due le - Pri Caused	Actual Avoided Costs	due to VRP ∣rts.	or other data that ma	v be useful in e v a	ulating the project	A A de la la la la la la la la la la la la la
Description 0 2009 \$1	038,613 ,228,275	Catile - Pri Out \$1,056,113 \$1,295,22	ages	or other data that the	y po abolal III o la	areaning and project	
2011 \$1 2012 \$1	,368,561 ,516,159	71,233,44					
2014 \$1	,744,539 ,898,311 ,997,052						
The 10% customer IRR The ERM values come f					le		
The average URD-Prima Customer-Hours for bas Customer-Hours for bas	e case = 700 * 33	3 * 3.5 = 80,850	of 33 customers	s for 3.5 hours			
Oustomor-ribats for pas	C 000 C 00	0.0 - 0,770					
To be completed by Ca	ipital Planning G	iroup					
Rationale for decision							2012-2016
					Date		Template

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Exhibit No.__(KKS-5)
Attachment No.__ETD-11

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Transmission - Reconductors and Rebuilds

ER No: **ER Name:** 2310 West Plains Transmission Reinforce 2423 System Transmission: Rebuild Condition 2457 Benton-Othello 115 Recond 2550 Burke-Thompson A&B 115kV Transmission Rebuild Project 2556 CDA-Pine Creek 115kV Transmission Line: Rebuild 2557 9CE-Sunset 115kV Transmission Line: Rebuild 2564 Devils Gap-Lind 115kV Transmission Rebuild Project 2574 Chelan-Stratford 115kV - Rebuild Columbia River Xing 2577 Benewah-Moscow 230kV - Structure Replacement

Beacon-Bell-Francis & Cdr-Waikiki 115kV - Reconfigure

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$44,709 1

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	10,686	-	-	-	-	-	-	-	-	-	592	1,147	8,947
2015	14,263	-	-	-	-	-	-	-	-	-	-	-	14,263
2016	23,661	-	-	-	-	-	-	-	7,100	-	-	-	16,561

Business Case Description:

This program reconductors and/or rebuilds existing transmission lines as they reach the end of their useful lives, require increased capacity, or present a risk management issue. Projects include: ER 2310 - West Plains Transmission Reinforcement, ER 2550 - Pine Creek-Burke-Thompson, ER 2557 9CE-Sunset Rebuild, ER 2423 - System Condition Rebuild, ER 2457 Benton-Othello Rebuild, ER2556 CDA-Pine Creek Rebuild, ER 2564 Devils Gap-Lind Major Rebuild, ER 2574 - Chelan-Stratford River Crossing Rebuild, ER 2576a Addy-Devils Gap Reconductor, ER 2575 Garden Springs-Silver Lake Rebuild, ER 2582 BEA-BEL-F&C-WAI Reconfiguration, ER 2577 BEN-M23 Rebuild, ER 25xa - Out-Year Transmission Rebuild.

Offsets:

2582

After Revenue requirements was determined that the following additional offsets exist. To calculate amount of the savings to be reflected in our rate year, reduced line losses are multiplied against the avoided energy cost of \$44 per MWh to arrive at the total energy savings. Burke-Pine Creek will experience reduced line losses of 252 MWh for 2014. This amount is multiplied by the avoided energy cost to arrive at a savings of \$11,088 on a system level and \$7,200 Washington Electric. Benton-Othello 115 will experience a reduction in line losses of 1,424 MWh which, after applying the avoided energy cost per MWh of \$44, equates to \$62,700 of offsets on a system basis and \$40,800 Washington Electric. Bronx-Cabinet will experience reductions in line losses of 755 MWH in both 2015 and 2016 (1,510 total). This equates to an offset amount of \$66,440 on a system level and \$43,300 Washington Electric.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 238 of 303 Capital Program Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-11.1

Investment Name: Requested Amount	Tx - Recon and \$20,000,000			Assessments:	40.009/	1 2 1	I.			
Duration/Timeframe	T&D - TLD Engin	Year Program	ness (value) (.a. 157, 57)	Financial: Strategic:	10.00% Life-cycle asse	d managem	lont			
Dept, Area:	Heather Rostentr			Business Risk:	Business Risk			<= 10		
Owner: Sponsor:	Don Kopczynski	eter		Program Risk:				lule and resource:		
Category:	Program									
- /	n/a			Assessment Score:	#NAME?	Ann	ual Cost	: Summary - Increa:	se/(Decrease)	
Recommend Program Desc	cription:				Performance	Capital	Cost	O&M Cost	Other Costs	Business Risk Score
This program reconductors lives, require increased cap Plains Transmission Reinfor ER 2423 - System Condition 2564 Devils Gap-Lind Major Devils Gap Reconductor, ER Reconfiguration, ER 2577 B	acity, or present a ri rcement, ER 2550 - I Rebuild, ER 2457 B r Rebuild, ER 2574 - R 2575 Garden Sprin	sk management iss Pine Creek-Burke-Ti enton-Othello Rebu Chelan-Stratford Ri gs-Silver Lake Rebu	ue. Projects Inclu hompson, ER 255 illd, ER2556 CDA- ver Crossing Rebu ild, ER 2582 BEA-	de: ER 2310 - West 7 9CE-Sunset Rebuild, Pine Creek Rebuild, ER uild, ER 2576a Addy- BEL-F&C-WAI	performance (reduced		00,000			
						Ann	ual Cost	Summary - Increas	se/(Decrease)	
Alternatives:					Performance	Capital	Cost	O&M Cost	Other Costs	Business Risk Score
Unfunded Program:	program have 1) hi	orated materials, or	or 2) deteriorated	l wood structures, or 3	Med-High) probability of a line overload, line failure, or injury/fine within the next 1-10 yrs.				\$	8
Alternative 1: Brief name of alternative (if applicable)	Describe other opt	ions that were cons	idered		describe any incremental changes in operations	\$		S -	\$	O
Alternative 2: Brief name of alternative (If applicable)	Describe other opt	ions that were cons	idered		describe any incremental changes in operations	\$		\$	\$	0
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opt	lons that were cons	ildered		describe any incremental changes in operations	\$	•	S.	\$ -	0
Program Cash Flows Previous	Capital Cost	O&M Cost	Other Costs	Approved \$ -		Associated	Ers (list 2310	all applicable):	255	0 2557
2014	\$ 11,446,742	\$ -	\$ -	\$ 6,760,000	1. 2. 8.		2423	2457	255	
2015			\$ -	\$ 17,912,946			2574	Annual Court of the Court of th		6 2582
2016	the transfer of the second second second second second second second second second second second second second		\$ -	\$ 20,036,134			2577	2575		
2017 2018 2019 Total	\$ 26,000,000 \$ 12,000,000	\$ <u>-</u>	\$ - \$ - \$ -	\$ 20,852,393 \$ 21,000,000 \$ 12,000,000 \$ 98,561,473				,		
ER	2014	2015	2016	2017	2018	Tota	il	Mandate Excerpt	(if applicable):	
2310	\$ -	\$ 25,000	\$ 1,000,000	\$ -	\$ -	\$ 1,0	25,000	Provide brief cita	tion of the law or r	egulation and a
2549	\$ -	\$ -	\$ -	\$ -	\$ -	\$		reference numbe	er if possible	
2550	\$ 3,700,000	\$ 3,500,000	\$ -	\$	\$ -		200,000			
2557	\$ -	\$ 25,000 \$ 2,500,000	\$ 900,000 \$ 2,500,000	\$ -	\$ - \$ 2,500,000		25,000	ls and Edit		
2423 2457	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 2,300,000	\$ 2,500,000		00,000	1		
2556	\$ 25,000		\$ 4,500,000	\$ 5,750,000	\$ 2,500,000		75,000			A CHARLEST AND PROPERTY.
2564	\$ 2,346,742		\$ 4,050,558	\$ -	\$ -			Additional Justific	ations:	
2574	\$ 350,000	\$ -	\$	\$	\$ -		50,000		e: Specific transmis	sion lines require
25xa	\$ -	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000		000,000	 Estánica atradáctica destrica. 	ictor for increased c	 Care Colors Services And Advanced to the Color of the Color
2576	\$ -	\$	\$ -	\$ 25,000			25,000		agement: Specific ti	
2582	\$ -	\$ -	\$ 25,000	\$ 2,000,000	\$ -		25,000		reduce potential pu	Maratinia - Principal Balantania (1986)
2577 2575	\$ 25,000	\$ 7,815,802	\$ 8,060,576	\$ 8,302,393 \$ 25,000	\$ -		25,000		s for ER25xa in resp FAC-11 (Standard fo	
25/5 25xb	\$ -	\$ -	\$ -	\$ 7,500,000		All Company of the Partie Village of the Parties of	000,000	diam. Com Additional Comments (1984) wi	lander and the contract of the	oper wire bottlenecks
25xc	\$ -	\$ -	\$ -	\$ 7,300,000	\$ 7,500,000	The second secon	00,000			esponse flexibility.
Total	\$ 11,446,742	\$ 23,412,946	\$ 26,536,134	\$ 28,102,393	\$ 26,000,000		98,215			
Resources Requirements:		approvals attached)						71 15 2		
Internal Labor Availability: Contract Labor:	Low Probability YES	✓ Medium Probability ☐ NO	High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	и	or Not Requ or Not Requ or Not Requ or Not Requ	uired labor boxes uired resource of uired a general se	ippropriate box. The s should be checked to whers have been cont anse of how likely stal not require a firm com	acted and to provide If will be provided
Key Performance Indicator Expected Performance Improven										

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 239 of 303 Capital Program Business Case

AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-11.2

		•	
KPI Measure:	Fill in the name of the KPI here		
	Fill in the name of the KPI here		
		Prepared	signature
1.2			
	#REF!		
1 —	#REF		
*			
	ACCEPTAGE AND ASSESSMENT OF THE PROPERTY OF TH	Reviewed	signature
0.8	Project FO Rate		Director/Manager
	—— Poly. (#REFI)		
0.6			
0.0			w signature MMM Strivens-
		Other Party Review	w signature / / ///////) / (A)
0.4		(if necessary	y) / Director/Manager
0.2	This graph is to provide a place to direct		
7,2	the KPI benefit. Providing a graph is		
	recommended to help communicate		
0 +			
	1 What the project is intended to		
		-	
	This space is to be used for photographs, charts, or other data that	may be useful in e	evaulating the Program
		•	
de la company de		-45-5-44444500-4800-0000-0000-0000-0000-	
To be compl	leted by Capital Planning Group		
Rationale f	for decision		Review Cycles
			2012-2016
		Date	Template

Exhibit No. ____ (DCG-20)
Dockets UE-150204/UG-150205
Page 240 of 303

Exhibit No.__(KKS-5)
Attachment No.__ETD-12

AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Segment Reconductor and FDR Tie Program

ER No: ER Name:

Distribution - Spokane North & West
 Distribution - CdA East & North
 Distribution - Pullman & Lewis Clark

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$10,725 1

Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	2,689	-	-	-	-	-	-	-	-	-	16	153	2,520
2015	2,920	-	-	-	-	-	-	-	-	-	-	-	2,920
2016	2,675	223	223	223	223	223	223	223	223	223	223	223	223

Business Case Description:

Distribution planning has identified a number of thermal constraints on the system where "segment reconductor" work is warranted to mitigate thermally overloaded conductor. In addition, a number of urban feeder tie additions are required to meet the Company's 500 Amp feeder plan also known as the "feeder and one-half" plan. This work is planned and coordinated with assistance from the five (5) Area Engineers in Spokane, Big Bend, Colville, Coeur'd Alene, and Pullman. Annual spend varies from year-to-year but the operational premise is constant: mitigate thermally overloaded conductor, mitigate known or emerging voltage issues, and establish FDR tie points in compliance with the Company's 500A Feeder Plan.

Offsets:

O&M offsets associated with this business case may occur in the future, however, they are not quantifiable at this time.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Capitab Byg pan Bysingss Case

LIVISTA

Exhibit No.__(KKS-5) Attachment No.__ETD-12.1

Investment Name:	Seament Recon	ductor and FDR	Tie Pam	7					
Requested Amount	4,000,000 (varial	ole, see below)		Assessments:					
Duration/Timeframe	On-going	Year Program		Financial:	MH - >= 9% &	and the second s			
Dept, Area:	Engineering			Strategic:	Reliability & Ca				
Owner:	Rosentrater/Jame	es (updated July 1	16, 2014)	Operational:		uire execution to	perform at current	leveis	
Sponsor:	Don Kopczynski Program			Business Risk: Program Risk:		n >5 and <= 10 ainty around cost,	echedule and resc	Urces	
Category: Mandate/Reg. Reference:	n/a		•	Assessment Score:	84		t Summary - Increas		
Recommend Program Desc				Assessment score.	The secretarion of the following	Location and appropriate Control of the Control of	Figure 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1	Other Costs	ERM Risk Score
Distribution planning has id		f thermal coastrain	to on the sustan	ubara llagment	Performance Investments	\$ 3,100,000	O&M Cost	Other Costs	4
reconductor" work is warra				=	necessary to	3 3,100,000			
urban feeder tie additions a	-				maintain			1.	
"feeder and one-half" plan.					current			·	
Engineers in Spokane, Big B	•				operations and		**		
year but the operational pr	emise is constant: n	nitigate thermally o	verloaded condu	ictor, mitigate known	to extend the				
or emerging voltage issues,	and establish FDR ti	e points in complia	nce with the Con	npany's 500A Feeder	life of current				
Plan.		<u> </u>			assets.				
	5.555 S. o.	ay saakees kii ku ka ee Lhee ki me na ku-	V-Marchin Celevis California (CAS				t Summary - Increa		FOR DILL Co.
Alternatives:	I 6 11		-001	all and the state of the	Performance	Capital Cost	O&M Cost	Other Costs	ERM Risk Score 25
Unfunded Program:				will result in thermally	n/a	\$ -	\$	3	25
	distribution system	-		promise the electric					
	distribution system	LOSS OF IDAU SELVI	ce capacity woul	u resuit.					
Alternative 1: Brief name	Describe other opti	one that were cons	idorod		describe any	\$ -	\$ -	\$ -	4
of alternative (if	Describe other opti	ons that were cons	adered		incremental	,		* .	
applicable)					changes in				
аррисавісу					operations			The second second	
Alternative 2: Brief name	Describe other opti	ons that were cons	idered		describe any	\$ -	\$ -	\$ -	0
of alternative (if					Incremental	*			
applicable)					changes in				
					operations				
Alternative 3 Name : Brief	Describe other opt	ons that were cons	idered		describe any	\$ -	\$ -	\$ -	0
name of alternative (if					incremental				
applicable)					changes in				
					operations		<u> </u>		
and the second s					de godini nitrave pom gražitis in	n de sant anti-religio pre contrat d'actività			
Program Cash Flows					Current ER	(list all applicable): 2514	1 2515	5 2516	
5 years of costs	Capital Cost	O&M Cost	Other Costs	Approved	Ourient Liv	Spokane & West		South Region	
2012	\$ 4,605,000		\$ -	\$ 3,605,000					
2013	\$ 4,300,000		\$ -	\$ 2,860,229					
2014	\$ 3,900,000		\$ -	\$ 3,179,993					
2015			\$ -	\$ 3,735,000	1				
2016		,	\$ -	\$ 3,810,000	4				
2017		\$ -	\$ -	\$ 4,175,000	{				
2018		\$ -	\$ -	\$ 3,650,000 \$ 3,550,000	-1				
2019		\$ -	\$ -	\$ 28,565,222	4				
Total	3 32,223,000	7 the Alexander Teach	Ι γ	28,303,222	J				
					•				
Mandate Excerpt (if applic	able):								N 1 141 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4. 6.4.									
	***************************************				<u> </u>				
Additional Justifications:									
This program is a foundation	nal element of our o	overall effort to ma	intain the electric	delivery system. Whil	e many of the ass	ett management pr	ograms such as WPI	M, PCB transformers,	Worst Feeders, URD
Cable replacement, are targ	eted efforts to mair	ntain or improve re	liability, this prog	ram specifically identifi	ies thermal, volta	ge, and FDR tie issue	es amongst 345 Indiv	vidual electric circuits	. This program
represents the collective ef									
,									
			<u> </u>	:					
		and the same of th	Andreas and the second	salignament - er er er er er er er er er er er	dende vite e van een verde ee	nami janging sa kultura sa sa manana sa ma			
Resources Requirements:	request forms and a	pprovals attached)							
Internal Labor Assett-Ettern	Danis Bask - 5 div	□ Madhan Sarkakii	U utab bestetin	Enterprise Tech:	YES - attach form	✓ NO or Not Rec		appropriate box. The in	
Internal Labor Availability: Contract Labor:	☐ LOW Probability ☐ YES	 Medium Probability NO 	☑ High Probability	Facilities:	YES - attach form	_	labol boxe.	s should be checked to wners have been conta	
Contract Labor.	_ 103	_ 1,0		Capital Tools:	YES - attach form			wners nave been conta ense of how likely staff	
				Fleet:	YES - attach form		1 4 7	not require a firm comm	
							* '		

AVISTA

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Capitab இழுந்து துவந்தை Case

Exhibit No.__(KKS-5)
Attachment No. ETD-12.2

Key Performance Indicator(s)

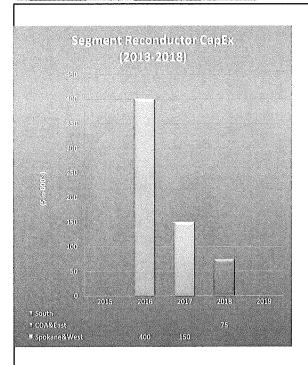
Expected Performance Improvements

KPI Measure: Dx

Dx System Capacity Increase
Dx System 500A Plan Compliance



Prepared	signature
B d d	alamatives.
Reviewed	signature
	Director/Manager
	~~~ · · · · · · · · · · · · · · · · · ·
ther Party Review	reignature VVALAL SKLIOM &
(if necessary)	Director/Manager



ROX 751 - Reconductor (see 2414) Mica Peak Cnv to URD Deer Lake Xing COB 12F2 Green Bluff Tie LOO 12F2 Deer Lk Narrows Xing COB 12F1 Recond Midway 1 Mi DEE 12F2 Bear Lk-Antler Tie DEE 12F2 Recond to LOO 12F1 SOT 522/523 -Recond- 6A WAS781 - Interset Poles LL - Cnv OH to UG (USFWS) LIB 12F2 - Henry Rd Tie CHE 12F1-12F4 Tie on Bowdish U District FDR Tie Trent Ave DEE 12F2 - Recond 2/0 ACSR LIB 12F1-EFM 12F2 Rocky Hill Tie BKR 12F2 - Tie to EFM 12F1 3HT 12F7 Tie U District Loop BKR 12F2 Recond 2/0 CU on Mission EFM 12F1 - State Ln Bridge - Conv OH/UG 9CE 12F4 Recond 336 9CE 12F2 - Tie to Chester 12F2 SLK 12F1 - Recond 2.1 mi C&W 12F4 - Tie to 3HT 12F7 9CE 12F3 Thierman/Mission Rcd 1 mi BKR 12F1 - Liberty Lk 12F2 on Mission CHW12F2- Angel Pk Recond 0.75ml GRN12F1 Tie to CLV12F2 4.5 ml GiF 34F1 - CHW 12F3 FDR Tie CLV 34F1- Keily Hill Rbid CHW 12F2- Flowery Trail Recond GIF 34F1Midline GRN 12F2 Recond 4.1 Mi Old Kettle Rd CHW 12F4 Recond near Ctnwd Road CLV 12F4 Recond 1.6 ml KET 12F2 - Chg FDR Voltage to 13.2 kV DVP 12F2- Recond 6 miles Hwy 2 SPG 761 - Recond Small CU LIN 711 - Convert to 25 kV - tie Rox7S1 LIB 12F3 Rcd W Side Lib Lk NW 12F3 tie INT 12F1 Strong Rd URD COB 12F2 Bernhill Rd Rcd 2 ACSR 3HT 12F1-12F5 Tie at Iron Bridge BKR 12F3 Recond 1 mi-Central Premix COB 12F1 - Split FDR BKR 12F3 & SIP 12F3 Recond 1mi 3HT 12F3 Recond 2/0 Switch #980 MIL 12F2 ti to 12F3 Narthwoods URD SIP General Upg WAK 12F1-12F4 Tie MIL12F4 tie OPT12F2 Mirabeau URD BEA 12F6-9CE 12F1 Hav. Rcd 1/O ACSR FWT 12F4 - C&W 12F5 River Xing INT 12F2 Recond 2 mile-Rutter Pkwy COB 12F2 Recond Bernhill to Greenbluff INT 12F2 - DEE 12F1 Imprave Tie LIB 12F2 Cnv to OH/UG at Mica Pk SUN 12F4 - Reconductor 2/0 @ SIA SUN 12F2 - Replace Sw 475 w/ Recloser DEE 12F1 Midine (protection req.) SUN 12F4 reploce midline 249R SIP 12F3 to BKR (Central Premix) LIB 12F1 - EFM 12F2 Rocky Hill Tie BKR 12F3 Recond 2/0 ACSR 1 ml CLV Area Switched Banks CHW 12F3- ARD 12F2 FDR Tie (5 ml UG) LF34F1-Midline CLV 34F1 Midline OSB 521 - Recond/Viper for Coeur Mine OLD - Dx Tie Recand DAL 131 Recond 1.5 mi DAL 131 - Recond 1.4 mi DAL 131 - Recon 0.8 mi (lakeshare) DAL 133 - Add 1-ph 3.1 miles PF 213 - Recond 1.2 mi Riverbend Pk HUE 142 - Extend 3ph 0.5 mi DAL 134 - Coldwater Ck Loop BLU 321 Recond 3 mi (Silver Beach) LKV 343 - Conv 6 mi ta UG PVW 241 - Ext 1 mi BLU 321- Recond 1.2 mi PIN 442- Recond 1 mi WAL 544-Recond for Star Mine OGA 611 - Recand 1.5 mi PIN 441 - Reconductor FDR Tie SAG 741 - Recond Lignite 9200 ft SPT 4S21 - River Xing & Reloc at Sundowner OLD 721 - creote UG laop for Ind Pk RAT 233 - Recond Hwy 41 to 2/0 ACSR PVW 243 - Cap Bank Riverbend Comm PF 213 - Recand McGuire Road BLU 321 - Rbld & UG neor Tony's Rest CDA 125- Recond #6 Crapo Dalton & 17th CDA 124-Recond NIC Loop HOL 1206-Recond 3700' SLW 1358 Extend ORO 12B1 TEN 1253 - 1 m/ recond & regs CFD 1210 - Recond #6 CU PAL 312 - Add Phase MOS 515 tie to 512 CFD 1211-ext 556 trunk 2miles DRY 1209-rebuild 5mi towards Silcott LOL 1359 - 2-3miles of lateral rbld PDL1201 tie to PDL 1208 PDL 1203 - 3ph loop, so portion TEN 1255 - recond .75 mi at 5th & Cedar TEN 1257 - 1 mi lateral rbld ORO 1281 - 1 ml recond at sub WSU Steom plant - cable & conduit CFD 1211- Regs at 1.5 miles GRV 1273- Regs at Orogrande and E City SWT 2403 - Cop bank ot Lapwai WIK1279 - extend 2 ph Hwy 95 & Denver GRV 1272 tie to WIK 1278 so of hwy NLEW13 - addt river xing DRY 1208 tie ta PDL 1202 - Fair & 13th SLW 1348 tie ta SLW 1358 - 2Sth & 8th IFG Integration TEN 1256 - midline TEN 1257 tie to LOL 1266 ORO 1281-midline KOO 1299-midline JPE 1287-midline KAM-KOO tieline LEO 611-U/B with M115-N Lew Recard SPU Bishop Blvd URD Inc Cap.

To be completed by Capital Planning Group		
Rationale for decision		Review Cycles
	N. 10 (1) (1)	2012-2016
	Date	Template
	<u> </u>	

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
Page 243 of 303

Exhibit No.__(KKS-5)
Attachment No.__ETD-13

# AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Downtown Spokane Electric Network

ER No: ER Name:

2058 Spokane Electric Network Increase Capacity

2237 Metro FDR Upgrade

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$6,4381

## Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	441	-	-	-	-	-	-	-	-	-	183	66	192
2015	2,300	148	148	165	165	165	165	246	246	246	246	181	181
2016	2,298	131	131	154	154	154	154	267	267	267	267	176	176

### **Business Case Description:**

Avista owns and maintains an underground electric network that serves the core business district of downtown Spokane. The network is unique to Avista's electric distribution and requires specialized material, equipment, tooling, and training to perform maintenance repair, planned replacement, and capacity growth projects. The scope of annual capital replacements and additions includes: 10,000 feet of secondary cable, 5,000 feet of primary cable, 15 manholes, and 5 vaults/vault roofs.

### Offsets:

There are no anticipated offsets with this business case.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
Page 244 of 303
Capital Program Business Case

## AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-13.1

Investment Name:	Spokane Elec. I											
Requested Amount	\$2,300,000 annu	i <b>ally</b> Year Program		Assessments: Financial:	MH - >= 9% &	<12% CIRR						
Duration/Timeframe	n/a Engineering	real Flogram	s de la Constancia de l	Strategic:	Life Cycle Pro							
Dept, Area: Owner:		es (updated July	16 2014)	Operational:		quire execution to p	erform at current	levels				
Sponsor:	Don Kopczynski	co (apacica cai)	10, 2011)	Business Risk:		n >5 and <= 10	and <= 10					
Category:	Program	SVESSION VICTOR		Program Risk:		around cost, sched	lule and resource	8				
Mandate/Reg. Reference:	n/a			Assessment Score:	97	Annual Cost	Summary - Increas	se/(Decrease)				
Recommend Program Desc			0.0000000000000000000000000000000000000		Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score			
Avista owns and maintains		akata araksarah khak	an saa tha aasa hi	salmage district of	Investments	\$ 2,300,000	\$ 348,251		6			
Avista owns and maintains downtown Spokane. Topol specialized material, equipreplacement, and capacity includes: 7500 feet of secotranformer replacements, a Spokane Network are appropriate the spokane of the spokane	ogy in the Network ment, tooling, and t growth projects. Th ndary cable, 7500 f and 20 street light re	is unique to Avista raining to perform r ie scope of annual c eet of primary cable eplacements. Electr	electric distributi naintenance repa apital replaceme e, 10 refurbished	on and requires iir, planned nts and additions manholes & vaults, 10	necessary to maintain current operations and to extend the life of current assets.							
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Alternatives:					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score			
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applicable)	9.37				changes in operations							
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applicable)					changes in operations							
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Targetta Anna Aggrega	Capital Cost	O&M Cost	Other Costs	Approved			CapX Repl.	Metro PILC	Post St PILC			
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Total	\$ 18,250,000 CapX Specific	0&M	O&B	\$ 17,838,007								
Mandate Excerpt (If applic Various WUTC tariff sche		ated with custome	r classifications	in downtown Spokar	ne. NESC/WAC	govern public and	worker safety.					
Additional Justifications:												
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Resources Requirements: (	request forms and	approvals attached)										
Internal Labor Availability: Contract Labor:	Low Probability YES	☐ Medium Probability ☑ NO	✓ High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	✓ NO or Not Requ	ired labor boxes ired resource ov ired a general so	appropriate box. The Ir s should be checked to wners have been conta ense of how likely staff not require a firm comm	indicate if the cted and to provide will be provided			

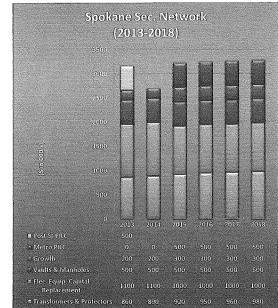
Exhibit No. ___ (DCG-20) Page 245 of 303

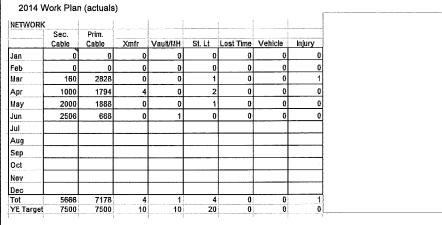
# Dockets UE-150204/UG-150205 Capital Program Business Case

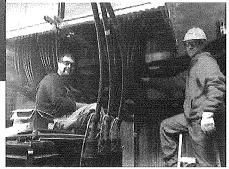
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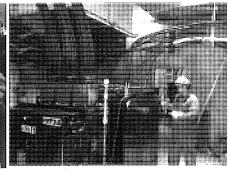


Key Performance In Expected Performance						
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				Alban	-	
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			(if necessary	)		Director/Manager









onale for decision		Review Cycles 2012-2016
	Date	Template

Exhibit No.__(KKS-5)
Attachment No.__ETD-14

# AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

**Functional Group:** Electric Transmission / Distribution

**Business Case Name:** Storm Related Electric Transmission and Distribution Capital Project

ER No: ER Name:

2051 Electric Transmission Plant-Storm2059 Failed Electric Dist Plant-Storm

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$15,6501

### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	957	-	-	-	-	-	-	-	-	-	404	226	327
2015	3,000	389	289	233	215	196	186	245	180	208	242	292	325
2016	2.790	351	261	216	204	191	180	242	174	196	226	264	285

### **Business Case Description:**

This program will replace cross arms, poles and structures as required due to storms, fires on distribution and transmission lines.

### Offsets:

There are no anticipated offsets with this business case.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

# Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 247 of 303 Capital Program Business Case

## Answ

Exhibit No.__(KKS-5)
Attachment No.__ETD-14.1

Investment Name:	Storms		: Saiste de Barre	1								
Requested Amount	\$		3,000,000	Assessments:								
Duration/Timeframe				Financial:	7.00%							
Dept, Area:	Operations Bryan Cox			Strategic: Business Risk:	Reliability & capacity  Business Risk Reduction >15							
Owner: Sponsor:	Don Kopczynski			Program Risk:		Inderate certainty around cost, schedule and resources						
Category:	Program			J 5								
Mandate/Reg. Reference:				Assessment Score:	102	Annual Cost	Summary - Increa	se/(Decrease)				
Recommend Program Desi	cription:				Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score			
This program will replace c	rossarms, poles an	d structures as requ	ired due to storm	ns, fires on distribution	describe any	\$ 3,000,000	\$ -	\$	4			
and transmission lines.					incremental changes that							
					this Program							
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Alternatives: Unfunded Program:	lif we do not repla	ce our failed infastri	ucture due to sto	rms and fire, Avista	Performance n/a	Capital Cost	O&M Cost	\$ -	25			
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# Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 248 of 303 Capital Program Business Case

# AVESTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-14.2

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0	recommended to help communicate what the project is intended to		
	accomplish.		
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			2012-2016
		Date	Template

Exhibit No. ____ (DCG-20)
Dockets UE-150204/UG-150205
Page 249 of 303

Exhibit No.__(KKS-5)
Attachment No.__ETD-15

# AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Substation - 115 kV Line Relay Upgrades

ER No: ER Name:

2217 Spokane-CDA 115 kV Line Relay Upgrades

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$1,0751

### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	262	-	-	-	-	-	-	-	-	-	-	12	250
2015	1,525	-	-	-	-	1,000	-	-	-	525	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-	-	-

### **Business Case Description:**

The 115 kV Transmission line relaying in the greater Spokane-Couer d'Alene area needs to be upgraded. Per System Protection's revised memo dated 10/25/07, the relaying and communications must be upgraded to eliminate false trips and mis-coordination of relays as well as the requirement to trip lines quickly enough to avoid system transient instability, which could lead to cascading outages. The first two years of the project completed the installation of fiber optic communications to all the required substations. Year Two marked the beginning of relay upgrades in the Spokane area, and the remainder of the project will complete the relay upgrades as planned.

#### Offsets:

There are no anticipated offsets with this business case.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

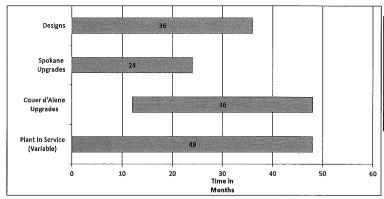
#### _ (DCG-20) Exhibit No. _ Dockets UE-150204/UG-150205 Page 250 of 303 Capital Investment Business Case



Exhibit No.__(KKS-5) Attachment No.__ETD-15.1

Investment Name:	Substation - 115 kV Line Relay Upgrades	A.								
Requested Amount	\$7,274,676	Assessments:								
Duration/Timeframe	7 Year Project	Financial:	Medium - >= 5% & <9% CIRR							
Dept, Area:	T&D - Substation Engineering	Strategic:	Reliability & Capacity							
Owner:	Heather Rosentrater	Operational:	Operations rec			erfor	m at current	levels		
Sponsor:	Don Kopczynski	Business Risk:	ERM Reductio							
Category:	Project	Project/Program Risk:	High certainty	around cost,	sched	lule a	nd resources	3		
Mandate/Reg. Reference:	n/a	Assessment Score:	79	c	ost Sur	nmar	y - Increase/(I	Decrea	ise)	
Recommend Project Descr	iption:		Performance	Capital C	ost		D&M Cost	l c	ther Costs	<b>Business Risk Score</b>
Per System Protection's rev upgraded to eliminate false quickly enough to avoid sys years of the project comple substations. Year Two mar	ne relaying in the greater Spokane-Couer d'Alene area vised memo dated 10/25/07, the relaying and commun e trips and mis-coordination of relays as well as the rec stem transient instability, which could lead to cascadin ated the installation of fiberoptic communications to a ked the beginning of relay upgrades in the Spokane ar he relay upgrades as planned.	nications must be quirement to trip lines ig outages. The first two Il the required	Improved comm., relay operation, & avoidance of potential large system outage problems.	7,27	4,676	\$		\$		1
				C	ost Sun	nmar	y - Increase/(D	ecrea	ise)	
Alternatives:			Performance	Capital C	ost		D&M Cost	C	ther Costs	<b>Business Risk Score</b>
Status Quo:	Under certain operating conditions and fault scenarion the greater Spokane-Couer d'Alene area is susceptible transmission outages. Existing protection schemes a operate quickly enough to prevent these scenarios from the sc	le to potentially large nd equipment cannot	n/a	\$ 10	0,000	\$	500,000	\$	500,000	6
Alternative 1: Brief name of alternative (if applicable)	Describe other options that were considered		describe any incremental changes in operations	\$		\$		\$	= = = = = = = = = = = = = = = = = = = =	0
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### Timeline



## Construction Cash Flows (CWIP) Carital Cast Octo

	Capital Cost	CONTRACTOR	Utner costs	Approved
Previous	\$ 2,624,675	\$ -	\$	\$ 2,624,675
2012	\$ 1,000,000	\$ -	\$	\$ 1,000,000
2013	\$ 1,250,000	\$	\$ -	\$ 205,001
2014	\$ 1,250,000	\$ -	\$ -	\$ 75,000
2015	\$ 1,000,000	\$	\$	\$ 1,000,000
2016	\$ -	\$ -	\$ -	\$
2017	\$ =	\$	\$ -	\$ -
2018	\$ -	\$ -	\$ -	\$ -
Future	\$ -	\$ -	\$ -	\$ -
Total	\$ 7,124,675	\$ -	\$ -	\$ 4,904,676

## Milestones (high level targets)

Start Communications Infrastructure - Spokane Start Communications Infrastructure - Couer d'Alene January-09 January-10

January-10 Start Relay Upgrades - Spokane December-10 Complete Communications Infrastructure Continue Spokane Area Relay Upgrades January-11

January-13 Start Couer d'Alene Area Relay Upgrades December-16 Complete Spokane Area Relay Upgrades December-17 Complete Couer d'Alene Area Relay Upgrades

Associated Ers (list all applicable):	2217					ázástásássástásta	EN EURO A NO CONTRACTOR	en vedkuda en kreak
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Mandate Excerpt (if applicable):	Obligation to serv	e: Maintain a r	eliable system that n	neets customer	demand and reliab	lity standards.		

### Additional Justifications:

This project is already in construction.

Additional documentation is available upon request including System Protection Documentation, Proposed Schedules and Priorities, Internal Substation Memos, meeting notes, etc.

Resources Requirements: (request forms and approvals attached)

### Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 251 of 303 **Capital Investment Business Case**

## AVISTA

Exhibit No.__(KKS-5) Attachment No.__ETD-15.2

Internal Labor Availability: Contract Labor:	☐ YES	☐ Medium Probability ☑ NO	☑ High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	☑ NO or Not Required ☑ NO or Not Required ☑ NO or Not Required ☑ NO or Not Required	Check the appropriate box. The internal and contract labor boxes should be checked to indicate if the resource owners have been contacted and to provide a general
Key Performance Indicato Expected Performance Improve KPI Measure:	ments	telay Upgrades per y	ear.				sense of how likely staff will be provided (this does not require a firm committment).
				Prepared		Mike Magruder, Mana	ager - Substation Engineering
				Reviewed		Heather Rosen	trater, Director - ENSO
				Reviewed		Andu Viale	Disaster CDCC
					Ma	Mgu Steve	rs, Director - GPSS
		- Control of the Cont			FINANCE WATCH	V	Appendix on the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contr
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		Y		Panels			ntly completed. New relays are g high-speed communications via
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Exhibit No.__(KKS-5)
Attachment No.__ETD-16

### AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

**Functional Group:** Electric Transmission / Distribution

**Business Case Name:** Substation - Asset Mgmt. Capital Maintenance

ER No:	ER Name:
2215	System - Replace High Voltage Breakers
2252	System - Replace/Install Relays
2253	System - Upgrade Meters
2275	System - Rock/Fence Restore
2278	System-Replace Obsolete Reclosers
2280	System - Replace Obsolete Circuit Switchers
2283	Millwood Sub - Rebuild
2293	SCADA - Install/Replace
2294	System - Batteries
2336	System - Replace Dist Power Xfmrs
2425	System - High Voltage Fuse Upgrades
2449	System - Replace Substation Air Switches
2481	System-Replace/Install Capacitor Banks
2492	System-Install Autotransformer Diagnostic Monitor

System-Replace/Upgrade Voltage Regulators

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$ 12,300 1

#### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	229	-	-	-	-	-	-	-	-	-	49	93	88
2015	2,708	221	1	346	163	364	138	221	101	393	263	407	88
2016	4,819	222	2	347	164	365	2,239	222	102	394	264	408	89

#### **Business Case Description:**

This program installs, replaces, or upgrades substation apparatus via Asset Management planning or emergency replacements. All obsolete, end-of-life, or failed apparatus are covered under this program. Apparatus includes panel houses and associated equipment, high voltage breakers, relays, metering, surge arresters, rock and fence, low voltage breakers/reclosers, circuit switchers, SCADA systems, batteries and chargers, power transformers, high voltage fuses, air switches, capacitor banks, autotransformer diagnostic equipment, step voltage regulators, and instrument transformers.

#### Offsets:

2493

The System-Install Autotransformer Diagnostic Monitor program includes additional incremental costs in 2016 of \$162,000 (\$106,000 WA). Potential O&M Costs beginning in 2016 are estimated to be \$170,300 with potential O&M savings of \$8,217 annually. The net potential costs from the Autotransformer program is \$162,000.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

## Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 253 of 303 Capital Program Business Case

#### AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-16.2

Recommend Program Dest This program installs, repla- emergency replacements. Apparatus includes panelho arresters, rock and fence, L' power transformers, HV fus	Duration/Timeframe     40 Year Program     Financial:       Dept, Area:     T&D - Substation Engineering     Strategic:       Dwner:     Heather Rosentrater     Operational:       Sponsor:     Don Kopczyński     Business Risk       Category:     Program     Program Risk					grams quire on n >5 arour	execution to p and <= 10 nd cost, sched	ule an Summ	d resources		Business Risk Score 2
Alternatives:					Performance	C	Annual Cost Capital Cost		ary - Increas &M Cost	e/(Decrease) Other Costs	Business Risk Score
Unfunded Program:  Alternative 1: Brief name	Repair or replace e not be possible du customer outages	e to obsolescence.	gency basis only. Considerably mo	Some repairs would	n/a describe any	\$	500,000	\$	1,000,000	\$ 500,000	12
of alternative (if applicable)				incremental changes in operations							
Alternative 2: Brief name of alternative (if applicable)	Describe other opt	lons that were cons	With the second	describe any incremental changes in operations	\$		\$		\$	0	
Alternative 3 Name: Brief name of alternative (if applicable)  Describe other options that were considered applicable)					describe any incremental changes in operations	\$	<u>*</u>	\$	-	\$	0
Program Cash Flows					Associated Ers (						
5 years of costs	Capital Cost	O&M Cost	Other Costs	Approved	2210 2275		2215 2278		2252 2280	2253 2293	
			9474344		2326		2336		2343	2397	
2012 2013		\$ -	\$ -	\$ 4,100,000 \$ 4,582,020	2449	Estern	2481	New No.	2492	2493	2505
2013			\$ -	\$ 4,100,000							
2015		\$ -	\$ -	\$ 4,100,000	4						
2016		\$ -	\$ -	\$ 4,100,000							
2017		\$ -	\$ -	\$ 4,100,000							
2018 2019		\$ -	\$ - \$ -	\$ 4,100,000 \$ 4,100,000							
Total		\$ -	\$ -	\$ 33,282,020					•	•	
Mandate Excerpt (If applications) Additional Justifications: In general, this program is roperations beyond current every opportunity to make learning to the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the secources of the second of the secources of the secources of the secources of the secources of the second of	equired for operation levels as obsolete of improvements to su	equipment is often bstation operation:	replaced with ap s when we perfor	paratus of higher capac	ity and/or newer t						
Internal Labor Availability:		Medium Probability	High Probablity	Enterprise Tech:	YES - attach form		NO or Not Requ			opropriate box. The in should be checked to	
Contract Labor:	YES	☑ NO		Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form		✓ NO or Not Requ ✓ NO or Not Requ ✓ NO or Not Requ	ired	resource ow a general se	ners have been conta nse of how likely staff ot require a firm comm	cted and to provide will be provided

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
Page 254 of 303
Capital Program Business Case

#### Avista

Exhibit No.__(KKS-5)
Attachment No. ETD-16.2

			Attachment NoETD-16.2
Key Performance Indicates			
KPI Measure:	Meet AM Plan Requirements for all Apparatus Maintain or increase annual program spend to meet demand	Prepared	
			Mike Magruder, Manager - Substation Engineering
		Reviewed	Heather Rosentrater, Director - ENSO
		Reviewed	Andy Vickers, Director - GPSS
			Andy Vickers, Director - GPSS  Mayu Skwers
Wagan All Land		Capital Mainten	ance - Apparatus
Electromechani Relays Westside Substat	cal	115 kV Spill Gaps  115 kV Spill Gaps  Inset Substation - 115 kV C  HV Breaker - oldest break	Hern Substation 115 kV Air Switch (to be replaced with Surge Arresters) HV Fuses  Instrument Transformer Old 3-phase bus PT Sunset Substation  Dil Circuit Breaker A-198 er on Avista's system.

o be completed by Capital Planning Group Rationale for decision		Review Cycles
		2012-2016
	Date	Template

Exhibit No. ____ (DCG-20)
Dockets UE-150204/UG-150205
Page 255 of 303

Exhibit No.__(KKS-5)
Attachment No.__ETD-17

## AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

**Business Case Name:** Substation - Capital Spares

ER No: ER Name:

1006 Power Xfmr-Distribution2000 Power Xfmr-Transmission2001 Power Circuit Breaker

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$12,5151

#### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	252	-	-	-	-	-	-	-	-	-	6	246	-
2015	5,100	-	-	160	-	560	-	-	400	3,420	400	160	-
2016	6,115	-	-	-	-	650	-	-	900	250	4,315	-	-

#### **Business Case Description:**

This program maintains our fleet of Power Transformers and High Voltage Circuit Breakers. This fleet of critical apparatus is capitalized upon receipt and placed in service for both planned and emergency installations as required. The annual program expenditures may vary significantly in years when an Autotransformer (230/115 kV) is purchased. In years without an Autotransformer purchase, only minor variations will occur based on planned projects as well as replenishing apparatus fleet levels required for adequate capital spares. These are long lead time items so apparatus levels need to be managed.

#### Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

# Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 256 of 303 Capital Program Business Case

#### AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-17.1

Investment Name:	Substation - Cap	ital Spares						n			
Requested Amount	\$4,720,000	Voor Brogram	<b>新華的新春華夏</b>	Assessments:	Medium - >= 5	. و 0	-0% CIDD				
Duration/Timeframe	T&D - Substation	Year Program	o America Science Street	Financial: Strategic:	Life Cycle Prod		and the second s				
Dept, Area: Owner:	Heather Rosentra			Operational:				erform at current l	evels		
Sponsor:	Don Kopczynski	101		Business Risk:	Service of the servic	ERM Reduction >5 and <= 10					
	Program	T. S.		Program Risk:				ule and resources			
	n/a			Assessment Score:	89	Mark Company		Summary - Increas			
Recommend Program Desc					Performance	C	Capital Cost	O&M Cost	Other Costs	Business Risk Score	
This program maintains our critical apparatus is capitaliz installations as required. Th Autotransformer (230/115 i variations will occur based o adequate capital spares. Th	ted upon receipt and ne annual program e kV) is purchased. In on planned projects	d placed in service to expenditures may vo years without an A as well as replenish	or both planned ary significantly l utotransformer p ning apparatus fle	and emergency n years when an ourchase, only minor set levels required for	Renew asset life cycle; meet capacity requirements; adequate spare inventory	\$	4,720,000	\$ -		1	
***	National Control of the Control of t		100 miles (100 miles (	NAME OF THE PARTY	1 5 7			Summary - Increas		- 1	
Alternatives:					Performance		apital Cost	O&M Cost	Other Costs	Business Risk Score	
Unfunded Program:	system in the even (reliability), or obli	t of failures (emerg gation to serve (gro	ency), planned sy wth). In additior	maintain our electric stem improvements , some of this reliability and capacity.	n/a	\$		\$ 500,000	\$ 250,000	8	
Alternative 1: Brief name of alternative (if applicable)	Describe other opti	ons that were cons	ldered		describe any incremental changes in	\$	± 1	\$	\$	О	
					operations	V-54					
Alternative 2: Brief name of alternative (If applicable)	Describe other opti		describe any incremental changes in operations	\$		\$		0			
Alternative 3 Name: Brief name of alternative (If applicable)	Describe other opti	ons that were cons	idered		describe any incremental changes in operations	\$			\$	0	
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Program Cash Flows					Associated Ers (			0004	1		
5 years of costs					1006		2000	2001			
	Capital Cost	O&M Cost	Other Costs	Approved	Walter Sales						
2012	\$ 3,835,000	\$ -	\$ -	\$ 2,535,000							
2012		\$ -	\$ -	\$ 5,225,100		Die de	<u> </u>	hammitthe better the active			
2014	\$ 5,115,000	\$ -	\$ -	\$ 1,950,000							
2015		\$ -	Š .	\$ 6,000,000							
2016		\$ -	\$ -	\$ 4,565,000							
2017	\$ 5,800,000	\$ -	\$ -	\$ 4,200,000	1						
2018		\$ -	\$ -	\$ 5,065,000							
2019	\$ -	\$	\$ -	\$ 4,025,000							
Total	\$ 36,790,000	\$ -	\$ -	\$ 33,565,100	1						
		ar average annual p	rojected spend:	\$ 4,220,014							
Mandate Excerpt (if applica Obligation to serve: Long		spares are requir	ed to meet syst	em needs and service	e expectations.			SIESUS COMMINISTER			
Additional Justifications:											
Transformers and High Volt: spares count. This is manag in general, this is a Life Cycle Commodity pricing and mar	ed closely by Substa Program for these	ation Engineering wassets. This Progra	rith annual reviev im also includes i	vs of capital spares and a Reliability and Capacit	planned needs. y (improved relial						
Resources Requirements: (	request forms and a	pprovals attached)									
Internal Labor Availability: Contract Labor:	Low Probability  YES	Medium Probability	☑ High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form		✓ NO or Not Requ ✓ NO or Not Requ ✓ NO or Not Requ ✓ NO or Not Requ	ired labor boxes ired resource ow ired a general se	ppropriate box. The ir should be checked to rners have been conta nse of how likely staff ot require a firm comm	indicate if the cted and to provide will be provided	

Exhibit No. ___ (DCG-20)
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Capital Program Business Case

#### AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-17.2

Key Performance In	dicator(s)		
Expected Performance II			
KPI Measure:	Annual capital spares review and summary report.		
	Every capital spare will be justified.	<u> </u>	
		Prepared	Adlla Maria de Maria Culturalia Facilia adian
			Mike Magruder, Manager - Substation Engineering
		Reviewed	
			Heather Rosentrater, Director - ENSO
		Other Party Review signature	Margi Stevens
		(if necessary)	Director/Manager
		(ii necessary)	g birosommanagor
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		nd old one next to it) shown below from	
New 3-pilase unit	Benewah 23		
		TO CONTRACTOR OF THE PROPERTY	
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be completed by Capital Planning Group Rationale for decision	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	Review Cycles 2012-2016
	Date	Template

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Exhibit No.__(KKS-5)
Attachment No.__ETD-18

## AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

**Functional Group:** Electric Transmission / Distribution

**Business Case Name:** Substation - Distribution Substation Rebuilds

ER No:	ER Name:		
2204	System Wood Substation Rebuilds	2567	Chester 115 kV - Rebuild Substation
2285	Sunset Sub - Rebuild	2568	Metro 115 kV - Rebuild Substation
2317	Lyons & Standard 115 Sub-Increase Capacity	2569	Gifford 115 kV - Rebuild Substation
2341	Ninth & Central Sub - Increase Capacity & Rebuild	2889	Mobile Substn-Purchase New Mobile Subs
2502	N. Moscow - Increase Capacity	2590	Deer Park 115 kV Sub – Minor Rebuild
2522	10th & Stewart Dx Int	2395	SE 115 Bus-Upgrd Xfmr and add 12F6
2546	Blue Creek 115 kV - Rebuild	2572	Noxon Construction Sub - Minor Rebuild
2562	Grangeville 115 kV Sub - Rebuild	2573	Little Fall 115 kV Sub – Rebuild
2563	Stratford 115kV - Upgrade Bus	2889	Mobile Substn-Purchase New Mobile Subs
2566	Northwest 115 kV - Rebuild Substation		

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$17,366 1

#### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	5,872	-	-	-	-	-	-	-	-	-	11	2,840	3,021
2015	2,387	6	6	6	6	6	6	756	6	6	1,114	106	361
2016	5,849	36	36	286	36	1,436	36	36	36	36	3,486	36	351

#### **Business Case Description:**

This program replaces and/or rebuilds existing substations as they reach the end of their useful lives, require increased capacity, or cannot accommodate necessary equipment upgrades due to existing physical constraints. Included are Wood Substation rebuilds as well as upgrading stations to current design and construction standards. Some station rebuilds may be initiated by other requirements, including obligation to serve, growth, and external projects. Examples of substation rebuilds to be completed under this program in the next 5 years are Big Creek & Kamiah (Wood Substation), Millwood (Life Cycle), Turner (Smart Grid Investment Grant), Blue Creek (Productivity), Lucky Friday (Growth), and Pine Creek Distribution (Life Cycle).

#### Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

# Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 259 of 303 Capital Program Business Case

#### AVISTA

Exhibit No.__(KKS-5) Attachment No.__ETD-18.1

Investment Name: Requested Amount Duration/Timeframe	Substation - Dist \$8,168,573	tribution Station Year Program	Rebuilds	Assessments: Financial:	MH - >= 9% &	<129	& CIRR				The second state of the se	
Dept, Area:	T&D - Substation		A SA COLA DE CASA DE SA COLA DE CASA D	Strategic:	Life Cycle Prog	CONTRACTOR OF THE PARTY OF THE	24-1-1					
Owner:	Heather Rosentra			Operational:	Operations imp			rent level:	8			
Sponsor:	Don Kopczynski			Business Risk:	ERM Reductio	and the street of	The same of the sa					
Category:	Program			Program Risk:	High certainty around cost, schedule and resources							
	n/a			Assessment Score:	105		Annual Cost	Summary	/ - Increas	e/(Decrease)		
Recommend Program Desc	ription:				Performance	(	Capital Cost	080	1 Cost	Other Costs	<b>Business Risk Score</b>	
This program replaces and/ require increased capacity, physical constraints. Includ construction standards. Soi obligation to serve, growth, completed under this progr Cycle), Turner (SGIG), Blue of Alternatives:	or cannot accommoded are Wood Subreme station rebuilds and external projection in the next 5 yeacreek (Productivity),	date necessary equ builds as well as up may be initiated by ts (e.g. Smart Grid) rs are Big Creek & Lucky Friday (Grov	ilpment upgrades grading stations other requireme . Examples of su Kamiah (Wood Su yth), and Pine Cre	due to existing to current design and nts, including bstation rebuilds to be ubs), Millwood (Life	Improved performance, upgraded equipment, better status & control, new life cycle.  Performance Relatively high	\$ (	8,168,573  Annual Cost  2pital Cost 1,000,000		/ - Increas: 1 Cost 500,000	\$ -	Business Risk Score	
Unfunded Program:	standard constructi	on or equipment v need additional ca	vould remain in so pacity for growth	ervice until failure. or may not be sultable	probability of a	7	1,000,000		300,000	\$ 250,000		
Alternative 1: Planned Equipment Replacements.	field crews. This w	ably slower and mo ould only allow for	ore dangerous wo minimal improve	orking conditions for	Performance remains at current levels; min. improve	\$	1,500,000	\$	500,000	\$	4	
Alternative 2: Brief name of alternative (if applicable)	Describe other opti		describe any incremental changes in operations	\$		\$	<b>-</b>	\$	0			
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opti	ons that were cons		describe any Incremental changes in operations	\$		\$	-	\$ -	O		
Program Cash Flows					Associated Ers (	list al	ll applicable):		200 190		12 22 23 24 25	
5 years of costs					2204		2283		2285	2341	2465	
	Capital Cost	O&M Cost	Other Costs	Approved	2502	-	2521		2522	2546	2562	
					2563	-	2565		2566	2567	2568	
2012		\$ -	\$ -	\$ 7,750,000			2572		2573			
2013 2014		\$ - \$ -	\$ -	\$ 4,798,013 \$ 5,866,082								
2014		\$ - \$ -	\$ -	\$ 5,866,082 \$ 6,000,000	<u> </u>							
2015		\$ -	\$ -	\$ 5,500,000								
2017		\$ -	\$ -	\$ 5,500,000	<u>-</u>							
2018	V *100	\$	Ś	\$ 8,770,000	<del></del>							
2019		\$ -	\$ -	\$ 10,170,000	<u>~</u>							
Total		\$ -	\$ - projected spend:	\$ 54,354,095								
Mandate Excerpt (if application to serve: Spec												
Additional Justifications: This program replaces subst substations, like Lucky Frida Program Link: Substation tr Program Link: Substation d	ry, could be standalo ansmission integrati	one projects under ion budget dollars	the Mandatory ca (\$415k - \$435k) a	itegory since we have i re included in this prop	o meet customer gram.		Augistralia Tradition (A			an Februari N. Physicist. Fare and Y	Some confirmed became a Character and the confirmed	
Resources Requirements: (	request forms and a	pprovals attached)			252 THEOL SHIP WHILE SHIP TO SHIP SHIP SHIP							
Internal Labor Availability: Contract Labor:		☐ Medium Probability ☑ NO	High Probability	Enterprise Tech: Facilities: Capital Tools:	YES - attach form YES - attach form YES - attach form		✓ NO or Not Requ ✓ NO or Not Requ ✓ NO or Not Requ	ilred la ilred re	ibor boxes esource ow	opropriate box. The in should be checked to in ners have been contact nse of how likely staff	ndicate if the ted and to provide	

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#### Avista

Exhibit No. (KKS-5)

Key Performance Ind			Attachment NoETD-18.2
Expected Performance In KPI Measure:			Mike Magruder, Manager - Substation Engineering
		Reviewed	Heather Rosentrater, Director - ENSO
		Reviewed	Andy Vickers, Director - GPSS  Manyu Stevens
Brain Conth Sub   Steps chiefing the napleaner transferment, which of the station for side SCRSSA, helter probe and a naw hourier and	ent of the "lowy" is strictly the setudial cold contractured.		Turner Sub (Right) - Under construction (Aug. 2011). To be completed in 2012. Photos show today's standard design and construction for reference. Rebuilds will be similar construction.  Lucky Friday Sub (Left) - Growth is driving this rebuild as the Lucky Friday Mine is adding between 2-8 MW over the next 10 years starting as early as Fall of 2012. Increasing capacity is requiring a rebuild for the required protection, SCADA, oil containment, and a second feeder, Included will be a space for a Mobile Sub installation.
To be completed be Rationale for dec	by Capital Planning Group Islon		Review Cycles 2012-2016
			Date Template

Rationale for decision		Review Cycles 2012-2016
	Date	Template

Exhibit No. ___ (DCG-20)
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Exhibit No.__(KKS-5)
Attachment No.__ETD-19

## AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

**Business Case Name:** Substation - New Distribution Substations

ER No: ER Name:

Tamarack 115Kv Sub-Construction
 Downtown West Sub - Property
 Greenacres 115-13kV Sub - New Construct
 Lewiston Mill Road- Dx Line Integration

2587 Irvin 115-13 kV Sub - Add Distribution Station

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$5,6371

#### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	412	-	-	-	-	-	-	-	-	-	1	32	379
2015	2,026	-	-	-	-	-	1,900	-	-	-	-	-	126
2016	75	-	-	-	-	-	-	-	-	-	-	-	75

#### **Business Case Description:**

This program adds new distribution substations to the system in order to serve new and growing load as well as for increased system reliability and operational flexibility. New substations under this program will require planning and operational studies, justifications, and approved project diagrams prior to funding. Planned new substation projects include Tamarack (NE Moscow), Greenacres and Irvin (Spokane Valley), Hillyard and Downtown West (Spokane). Out years include construction for these and design and construction for one new substation per year on average depending on need and justifications.

#### Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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#### AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-19.1

Investment Name: Requested Amount	Substation - Nev \$1,430,714	w Distribution St	ations	Assessments:								
Duration/Timeframe	50	Year Program		Financial:	Medium - >= 5% & <9% CIRR Reliability & Capacity							
Dept, Area:	T&D - Substation			Strategic:								
Owner:	Heather Rosentra	ater	Operations require execution to perform at current levels  ERM Reduction >5 and <= 10									
Sponsor:	Don Kopczynski		High certainty			da and						
Category: Mandate/Reg. Reference:	Program n/a			Program Risk: Assessment Score:	1 light Certainty	F-2000, 2000, 2000			and the second s	e/(Decrease)		
Recommend Program Desc	A TO THE WORLD COME TO A POLICY OF THE PROPERTY OF THE PARTY OF THE PA			Assessment acore.	Performance	- A partition of the	Capital Cost	huga telepatasanag	у - mcreas И Cost	Other Co		Jusiness Risk Score
This program adds new dist	•	to the custom in a	rder to cense nev	u and growing load as	Improved	\$	1,430,714	\$	vi Cost	\$	) -	1
well as for increased system require planning and opera This documentation will be Tamarack (NE Moscow), Gr Out years include construct average depending on need	n reliability and oper tional studies, justifi included with this b eenacres and Irvin (S ion for these and de	rational flexibility. I ications, and appro susiness case. Plant Spokane Valley), Hi	New substations ved Project Diago ned new substati llyard and Downt	under this program will ams prior to funding. on projects include own West (Spokane).	\$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p. \$400.00 p.	T			v=Increas	e/(Decrease)		
Alternatives:		T 120 110			Performance	(	Capital Cost		И Cost	Other Co	sts B	Jusiness Risk Score
Unfunded Program:	Without adding ne adequately meet o	Markey British State of the State of Table	Unable to add load to system; poor system operation.			\$	250,000	\$ 25	0,000	9		
Alternative 1: Extend Feeders; Increase Substation Capacities	The state of the s		Longer outages for more customers; system stress.	\$	1,000,000	\$	150,000	\$		6		
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Alternative 3 Name: Brief name of alternative (if applicable)	Describe other opti	ions that were cons	idered		describe any incremental changes in operations	\$		S		\$		O
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Program Cash Flows 5 years of costs	Capital Cost	O&M Cost	Other Costs	Approved	Associated Ers ( 2274 2459	S. 34	li applicable): 2321 2479		2322 2480		2398 2587	2443
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S years of costs  2012 2013 2014 2015 2016 2017 2018 2019 Total  Mandate Excerpt (If applications: New distribution substation reliability, incremental distribute of ser Program Link: Substation to	\$ 1,275,000 \$ 8,220,000 \$ 1,400,000 \$ 2,750,000 \$ 2,000,000 \$ 2,000,000 \$ \$ \$ \$ 15,645,000  able): stations will need to the system of the system o	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 250,000 \$ 525,000 \$ 3,086,665 \$ 1,375,000 \$ 1,175,000 \$ 2,475,000 \$ 2,050,000 \$ 1,525,000 \$ 1,525,000 \$ 1,562,381	2274 2459  Dacity and operation of the exibility, better sy	e system	2321 2479 al reliability req tem. As load de to reliability, and ansmission line	mands in easier ro	2480	customer exp tenance sched ISM in 2013.	2587	is rise regarding

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
Page 263 of 303
Capital Program Business Case

#### AMISTA

Exhibit No.__(KKS-5)
Attachment No. ETD-19.2

			Attaciment NoETD 15.2
Key Performance Indicator(s)			
Expected Performance Improvements			
KPI Measure: Energize new subs before need as justified.	78 8 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		
Kri Weasure. Chickgize new subsidior need as justimed.	Di Charles (1905)		
	Prepared		
			Mike Magruder, Manager - Substation Engineering
		•	
	Reviewed		
			Heather Rosentrater, Director - ENSO
			riedulei (Noschilatei), Bilostoi - E1100
	Reviewed		
			Andy Vickers, Director - GPSS
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			Marquistevens
Justification			The annual section of the section of
Tamarack will initially unload 2 feeders – Moscow 115 513 and 514	1   1   1   1   1   1   1   1   1   1	4.4 W. CAS	
Tamarack will initially unload 2 feeders - Aloscow 110 013 and 014  These are long feeders that serve both suburban and sural load.	Haran an Tricke Sile.	<b>人们让你想</b> 自	
The Moscow 115 transformers are loaded to 63% and 89% (Winter 2009), with more load			
projected primarily west of Moscoye.			Y I
Shifting load between Moscoly stations would allow us to better configure feeds for the town,	l N	ij ebe	
particularly from North Moscow Which is in a less than ideal location.	Secretary Company		
	'' <u>-20</u> '		
Potential			
Tamarack Control		3-11-11	
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	Above: Shown is a prelimina	iry design for a po	tential new substation in the University District in downtown Spokane. The
	property has been secured a	nd as electric load	Increases in the U-District, this new substation will need to be constructed
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Rationale for decision			Review Cycles
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			2012-2016
		Date	Template

Exhibit No. ____ (DCG-20)
Dockets UE-150204/UG-150205
Page 264 of 303

Exhibit No.__(KKS-5)
Attachment No.__ETD-20

## AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Tribal Permits and Settlements

ER No: ER Name:

2301 Tribal Permits and Settlements

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$ 2,245 1

#### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	110	-	-	-	-	-	-	-	-	-	-	-	110
2015	1,430	119	119	119	119	119	119	119	119	119	119	119	119
2016	316	26	26	26	26	26	26	26	26	26	26	26	26

#### **Business Case Description:**

Avista has hydroelectric, transmission, distribution and substation facilities located on the Coeur d'Alene, Colville, Flathead (Salish/Kootenai), Nez Perce and Spokane Tribe Reservations. These facilities are essential components of our energy resource and delivery systems. Avista is required to obtain permits from the Bureau of Indian Affairs (BIA) for its facilities on land held in trust by the federal government for Tribes and/or individual tribal members. Through some of its tribal settlements, Avista obtained the necessary tribal consent and BIA permits for its facilities on tribal trust land. However, Avista needs to renew approximately 700 rights of way permits for other facilities on Trust Land. The original permits were obtained 50+ years ago and the renewal process can be time-consuming (multiple years) and costly. Some of the permits may be in a trespass situation. Avista is actively working with the BIA and the Tribes to file renewal applications and complete the renewal process.

#### Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

# Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 265 of 303 Capital Program Business Case



Exhibit No.__(KKS-5)
Attachment No.__ETD-20.1

Investment Name: Requested Amount Duration/Timeframe Dept., Area: Owner: Sponsor: Category: Mandate/Reg. Reference: Recommend Program Desc Avista has hydro, transmiss Flathead (Salish/Kootenai), components of our energy Bureau of Indian Affairs (Bl and/or individual tribal met tribal consent and BIA perm	cription: ion/distribution and Nez Perce and Spok resource and delive A) for its facilities on mbers. through som nits for its facilities o	Year Program ative American R 357; 25 CFR 169 substation facilitie ane Tribe Reservat ry systems. Avista I land held in trust ine of its tribal settle in tribal trust land.	s on the Coeur d lons. These facillis is required to obt by the federal go- ments, Avista ob However, Avista	ties are essential tain permits from the vernment for Tribes otained the necessary needs to renew	ERM Reductio High certainty 94 Performance Maintaining facilities in existing locations versus costs of having to	apacity quire execution to p n >5 and <= 10 around cost, sched		98	Business Risk Score 8
approximately 700 rights of obtained 50+ years ago and Some of th epermits may b to file renewal applications	l the renewal proces e in a trespass situal	s can be time-cons tion. Avista is activ	uming (multiple	years) and costly.	relocate	Annual Cost	t Summary - Increa	se/(Decrease)	
Alternatives: Unfunded Program:	<ul> <li>A District of the control of the contr</li></ul>	uation exposing the	company to litig	pire, our facilities will gation and poor media to re-route lines.	Performance Lines could be removed from service impacting	Capital Cost \$ 10,000,000	O&M Cost 5	Other Costs \$ 1,000,000	Business Risk Score
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Mandate Excerpt (If applice 25 U.S.C. 323 (Tribal Tru  Additional Justifications:  If Avista is unable to obtain damages and the requirement	st Lands); 25 U.S.	way (ROW) across	Tribal Trust, Triba	al Fee and Allotted land:	s, the financial ris	k to Avista is signific	ant. For example, A	Avista could be expos	ed to trespass
Resources Requirements: (							Checktho	appropriate box. The in	ternal and contract
Internal Labor Availability: Contract Labor:	☐ Low Probability  ✓ YES	☐ Medium Probability ☐ NO	High Probabiliy	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	✓ NO or Not Required NO or No or No or	dred labor boxes dred resource of dred a general so	appropriate box. The in s should be checked to I wners have been contac ense of how likely staff not require a firm comm	ndicate if the ted and to provide will be provided

# Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 266 of 303 Capital Program Business Case



Exhibit No.__(KKS-5)
Attachment No.__ETD-20.2

<b>Key Performance</b> Expected Performance					
KPI Measure:	Fill in the name of the KPI here				
	Fill in the name of the KPI here				
		Prepared	signature		
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{	fours				
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1	2 3 4 the KPI benefit. Providing a graph is recommended to help communicate	(if necessary	0	U Director/Manager	
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		100 M			
Marketon Company Comments			Aleksania kantan ma		DALDWEEDING W. No.
	by Capital Planning Group				
Rationale for d	ecision		40 6 5 6 6	Review Cycles	
				2012-2016	
			Date	Template	

Exhibit No.__(KKS-5)
Attachment No.__ETD-21

## AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

**Business Case Name:** Worst Feeders

ER No: ER Name:

2414 Sys-Dist Reliability-Improve Worst Feeders

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$5,809¹

#### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	1,351	-	-	-	-	-	-	-	-	-	0	0	1,350
2015	1,999	21	21	21	21	21	21	21	21	21	21	21	1,770
2016	2,000	100	100	125	125	125	125	250	250	250	250	150	150

#### **Business Case Description:**

Initiating in 2009, ER 2414- "Worst Feeders" was proposed by Asset Management to improve the service reliability of the Company's worst performing electric distribution circuits. Many rural feeders significantly exceed the Company SAIFI target of 2.1. This program is coordinated through divisional Area Engineers to identify treatment of these feeders. Work plans may include, reconstruction, hardening, vegetation management, conversion from overhead to underground, enhanced protection, and relocation.

#### Offsets:

O&M offsets associated with this business case may occur in the future, however, they are not quantifiable at this time.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

# Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 268 of 303 Capital Program Business Case

#### AVISTA

Exhibit No.__(KKS-5) Attachment No.__ETD-21.1

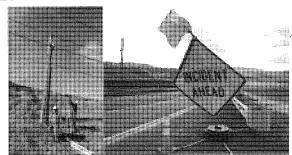
Investment Name:		g Elec Ckts (Wor	st FDRs)									
Requested Amount Duration/Timeframe	\$2,000,000 on-going	Year Program		Assessments: Financial:	Medium - >= 5	% & <9% CIRR						
Dept, Area:	Engineering/Ope			Strategic:	Life Cycle Programs							
Owner:		es (updated July 1	16, 2014)	Operational:	Operations rec	uire execution to	perform at curren	l levels				
Sponsor:	Don Kopczynski			Business Risk:		n >5 and <= 10						
Category:	Program			Program Risk:	The state of the s	ainty around cost, s						
Mandate/Reg. Reference:	n/a			Assessment Score:	84	and the state of t	t Summary - Increa	SA ELICAS DE DESENTAR DE CONTRACTOR DE LA CONTRACTOR DE CO				
Recommend Program Desc					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score			
Initiating in 2009, ER 2414- reliability of the Company's significantly exceed the Cor Engineers to Identify treatn vegetation management, co	worst-performing e npany SAIFI target o nent of these feeder	electric distribution of 2.1. This program s. Work plans may	circuits. Many r i is coordinated t include, reconst	ural feeders hrough divisional Area ruction, hardening,	Improve the overall system performance of the Company's "top ten" worst feeders.				12			
							t Summary - Increa	-7				
Alternatives:					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score			
Unfunded Program:	Appendix of the State of Clark Association for the Association State of Clark Association (Company).	customer contacts		astructure ages and nd state government	Ten to twenty rural FDRs whose SAIFI exceeds 10		\$	\$	20			
50% funding	Funding at \$1,000, feeders.	000 would restrict o	current treatmer	It to top five worst	annual spend restricted to top five worst feeders	\$ 1,000,000	\$	<b>. . . . . . . . . .</b>	12			
25% funding	March 1997 That is a realist to be	) would restrict trea closers, additional fi		ced protection only	work plan restricted to enhanced protection	\$ 500,000	\$	\$ 100				
					describe any incremental changes in operations	\$ 1000000000000000000000000000000000000	\$	\$	0			
Program Cash Flows					Associated Fra	list all applicable):		4 25 25 25 25 25 25 25 25 25 25 25 25 25				
5 years of costs					Current ER	2414		<u> </u>				
5 years or costs	Capital Cost	O&M Cost	Other Costs	Approved	Cuncical			i de la compania de la compania de la compania de la compania de la compania de la compania de la compania de La compania de la co				
	audice States and	RETEREMENTAL BURNEY	Note November 1983						SECTION SERVICE			
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2013	\$ 2,000,000	\$	\$ -	\$ 1,741,750								
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2017		<b>.</b>	<b>A</b>	\$ 2,000,000	-							
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Total			\$ -	\$ 2,000,000	<b>~</b>							
Mandate Excerpt (if applications)	able);											
Any supplementary information	ition that may be us	eful in describing in	more detail the	nature of the Program	the urgency, etc.							
Resources Regulrements: (	request forms and a	pprovals attached)										
Internal Labor Availability: Contract Labor;	☐ Low Probability ✓ YES	☑ Medium Probability ☐ NO	High Probablity	Enterprise Tech; Facilities; Capital Tools; Fleet;	YES - attach form   YES - attach form   YES - attach form   YES - attach form	✓ NO or Not Requ ✓ NO or Not Requ ✓ NO or Not Requ ✓ NO or Not Requ	ulred labor boxe ulred resource o ulred a general s	appropriate box. The i s should be checked to wners have been conta ense of how likely staf not require a firm com	indicate if the cted and to provide will be provided			

Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 269 of 303 Capital Program Business Case



Exhibit No.__(KKS-5)
Attachment No.__ETD-21.2

Key Performance In Expected Performance I	
KPI Measure:	Monitor SAIFI



Prepared	signature		
Reviewed	signature		_
		Director/Manager	
		Marin Stevens	
Other Party Review	signature		
(if necessary)		Director/Manager	

Rationale for decision		Review Cycles 2012-2016
	Date	Template
	Transport of the second of the	

Exhibit No.__(KKS-5)
Attachment No.__ETD-22

## AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

**Business Case Name:** Spokane Valley Transmission Reinforcement

ER No: ER Name:

2446 Irvin Sub - New Construction

2474 Beacon-Boulder #2 115: Capacity Upgrade2552 Opportunity 115 kV Switching Station

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$10,7101

#### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	1,900	-	-	-	-	-	-	-	-	-	-	-	1,900
2015	2,900	-	-	-	-	-	-	-	-	-	-	2,300	600
2016	7,440	-	-	-	-	-	-	-	-	-	5,400	-	2,040

#### **Business Case Description:**

The Spokane Valley Transmission Reinforcement Project includes rebuilding 4.4 miles of the Beacon - Boulder #2 115 kV Transmission Line, constructing the new Irvin Switching Station, rebuilding 1.75 miles of the Irvin - Opportunity 115 kV Tap, installing circuit breakers at Opportunity Substation, and constructing a new 2.2 mile 115 kV transmission line from Irvin to Millwood/Inland Empire Paper. The completion of these projects are required to mitigate existing and future performance and reliability issues of the Transmission System in the Spokane Valley.

#### Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

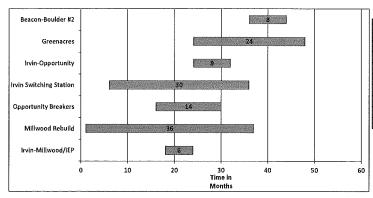
#### Exhibit No. _ _(DCG-20) Dockets UE-150204/UG-150205 Page 271 of 303 Capital Investment Business Case



Exhibit No. (KKS-5) Attachment No.__ETD-22.1

Investment Name:	Spokane Valley Transmission Reinforcement	1										
Requested Amount	\$13,736,503	Assessments:										
Duration/Timeframe	5 Year Project	Financial:	Medium - >= 5	% & <9% CIRR								
Dept Area:	T&D - Substation & Transmission Engineering	Strategic:	Reliability & Capacity									
Owner:	Heather Rosentrater	Operational:	Operations rec	uire execution to p	erform at current	levels						
Sponsor:	Don Kopczynski	Business Risk:										
Category:	Project	Project/Program Risk:	High certainty	around cost, sched	fule and resource	s						
Mandate/Reg. Reference:	n/a	Assessment Score:	78.5		mmary - Increase/	CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR						
Recommend Project Descr	ription:		Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score					
Boulder #2 115 kV Transmi the Irvin - Opportunity 115 new 2.2 mile 115 kV transm	nission Reinforcement Project includes rebuilding 4.4 mi ssion Line, constructing the new Irvin Switching Station, kV Tap, installing circuit breakers at Opportunity Substa nission line from Irvin to Millwood/IEP. The completion ig and future performance and reliability issues of the Tr	rebuilding 1.75 miles of tion, and constructing a of these projects are	area and provide operational flexibility to maintain	\$ 13,736,503	\$ 1000000000000000000000000000000000000							
			equipment	Cost Su	 nmary - Increase/	(Decrease)						
Alternatives:			Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score					
Status Quo:	Heavy thermal loading (>90%) is projected to occur on in the near term planning horizon. Presently the Beacc Transmission Line cannot be taken out of service to be to operational constraints serving IEP's new synchrono	on - Boulder #2 maintained/rebuilt due	n/a	\$ -	\$ -	\$	6					
Alternative 1: Partial Transmission System Upgrades	Upgrade existing Transmission System by installing cap rebuilding 115 kV transmission lines with 795 ACSS corexpenditures will be required going forward.	pacitor banks and	Thermal load reduced in near term planning horizon	\$ 9,600,000	\$ -	\$ -	4					
Alternative 2: Irvin Plan Minus IRV-MIL 115 kV Line	Construct all items in proposed Project except the new line from Irvin to Millwood/IEP. Ability to serve IEP is s		Thermal load reduced in near term planning horizon	\$ 9,500,000		\$	4					
Alternative 3 Name: Brief name of alternative (if applicable)	Describe other options that were considered		describe any incremental changes in operations	\$ -	\$	\$	0					





#### Construction Cash Flows (CWIP)

	Capital Cost	O&M Cost	Other Costs	Approved
Previous	\$ 40,559	\$ -	\$	\$ 40,559
2012	\$ 3,700,000	\$ -	\$	\$ 3,700,000
2013	\$ 4,150,000	\$ -	\$ -	\$ 966,944
2014	\$ 2,940,000	\$ -	\$	\$ 1,820,000
2015	\$ 1,500,000	\$ -	\$ -	\$ 4,375,000
2016	\$ -	\$	\$ -	\$ 4,515,000
2017	\$	\$ -	\$	\$ -
2018	\$ -	\$ -	\$ -	\$ -
Future	\$	\$ -	\$ -	\$ -
Total	\$ 12,330,559	\$ -	\$ -	\$ 15,417,503

Mileston		

January-12	Construct Irvin-Millwood/IEP 115 line
January-12	Rebuild Millwood Sub (not included in Project)
January-12	Build Irvin 115 kV Switching Station
January-12	Install breakers at Opportunity
January-13	Rebuild Irvin-Opportunity 115 kV line
January-13	Construct Greenacres Sub (not included in Proje
January-15	Rebuild Beacon-Boulder #2 115 kV line

December-12 Complete construction (terminate Irvin end of line when Irvin is completed - 2014) September-13

December-16 Complete 115 kV Switching Station; Add Distribution later December-14 Complete installation

December-13 Complete rebuild Complete construction December-15 Complete rebuild

Associated Ers (list all applicable):	1006 2001 2446 2474 2526 2552	
WIND THE PROPERTY OF THE PROPE		ā.
	With continued load growth, violation of TPL-002, R1 (ability to supply projected customer demands under	53
	N-1 contingency conditions) will likely occur.	

April-15

In 2009, The Irvin Project report was reviewed and approved by stakeholders in the Engineering, Operations, and Planning Groups at Avista. A superior project, or collection of projects, was selected to mitigate existing and future performance and reliability issues of the Transmission System in the Spokane Valley. These projects, Identified as Option 4a in The Irvin Project, and reiterated in the System Planning Interoffice Memorandum SP-2009-03 – Summary – Irvin (Spokane Valley Transmission Reinforcement) Project are Illustrated in Project Diagram SP-0220 – Irvin Project. Further updates are provided in Interoffice Memorandum SP-2011-07 - Spokane Valley Transmission Reinforcement (Irvin Project). All documents are posted on Transmission System Planning SharePoint Site.

## Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205

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Exhibit No.__(KKS-5) Attachment No.__ETD-22.2

AVISTA

Resources Requirements: <i>(requ</i>	uest forms and ap	provals attached)					
		☑ Medium Probability ☑ NO	☐ High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form YES - attach form	✓ NO or Not Required ✓ NO or Not Required ✓ NO or Not Required ✓ NO or Not Required	Check the appropriate box. The internal and contract labor boxes should be checked to indicate if the resource owners have been contacted and to provide a general sense of how likely staff will be
	s I in the name of th I in the name of th			Prepared	Mik	e Magnuder/Ken Sweiga	provided (this does not require a firm committment).
						is magradom tom smalge	, rab outstand, randing
				Reviewed		Heather Rosenti	rater, Director - ENSO
				Reviewed		Andy Vickers	s, Director - GPSS
					M	Andy Vickers  Andy Vickers  Andy Vickers	uns
D ₀	day to the engre	und Drainet Ding	rom for the Whi	in Project" and power		7	
				uring specific outage			
Beacon South Bus  Locust (MEVVCO)		Inland (6) personne	33.5 MVAz 20 MVA Capacitor Ximer Bank	Spokane Industrial AMD AMD TO THE TOTAL	Boulder East Bus  Boulder West Bus  Existing 115 W		
Millwo	A213	→ Paper	(Future Une) (Future)  (Future)  20 MVA XImer	3	Transmission Line Proposed 115 kV Transmission Line Reconductor 115 kV Transmission Line		
(1) Replace 4.37 miles of 556 A Rebuild Millwood, 20 MVA T		New	Station	Nenth & Central	To Otis Orchards		
Open (SCADA controlled) pr  New Irvin Switching Station,	rovides Back-Up servic Breaker & a Half, 115	e for IEP Load.	Орр	ortunity 7 7 7 1			
Gapacitor Bank and two 20 h  Replace 1.74 miles of 4/0 AC  New structures, potentially a	MVA Transformers & 4 CSR conductor with 79	Feeders.	Add Cir Breaker	cuit MEWCO AVA	A210 BPA Trentwood		· · · · · · · · · · · · · · · · · · ·
6 Convert Opportunity to a Sw Feeders and four MEWCO F	vitching Station (Single	Bus). Two AVA		Irvin Pro	ject	100 mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/m	
6 New 2.19 miles Single Circu Irvin to Millwood/IEP line.		Possible doubla circuit		Project Diagram:		] 	• • • • • • • • • • • • • • • • • • •
Project Completion, all	facilities in servic	e by year end 2013		SPOKANE, WASH	APPROVAL / 7		
NO. Date	REVISION NOTE	S	BY CKD DES	GN. SYSTEM PLANNING	12 11 g/4		The state of the s
To be completed by Capita Rationale for decision	Il Planning Gro	up					ew Cycles
					Date	20	12-2016
					Date		Template

Exhibit No. ____ (DCG-20)
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Exhibit No.__(KKS-5)
Attachment No.__ETD-23

## AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Clearwater Substation Upgrades

ER No: ER Name:

2571 Clearwater 115 kV Substation Upgrades

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$ 2,300¹

#### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	506	-	-	-	-	-	-	-	-	-	-	6	500
2015	500	-	-	-	-	-	-	-	-	-	500	-	-
2016	500	-	-	-	-	-	-	-	-	-	500	-	-

#### **Business Case Description:**

Clearwater 115 kV Substation Upgrades. Several components in this station have reached their life cycle and need to be replaced. Some of the station components are non-standard and relatively unreliable. This project will upgrade the station by adding a 115 kV bus sectionalizing breaker and associated air switches on the section of bus between the two power transformers for better operational flexibility and restoration. This work includes construction of a 115 kV line terminal and relocation of 2 lines, upgrading metering, and adding SCADA. This is very difficult work in this particular station and this customer requires continued operation during construction. The protective relays and associated communication system will be upgraded to improve reliability of service.

#### Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

# Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 274 of 303 Capital Project Business Case

#### AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-23.1

Investment Name:	Clearwater Sub	Upgrades									
Requested Amount Duration/Timeframe	\$3,700,000	Year Project		Assessments: Financial:	7,00%						
Dept, Area:	T&D - Substation		Saugustatiga en 1	Strategic:	Reliability & Capacity						
Owner:	Heather Rosentra		1 3 18 1 W 1 2 1 S N E	Business Risk:	Business Risk Reduction >15						
Sponsor:	Don Kopczynski			Project Risk:	High certainty around cost, schedule and resources						
Category:	Project										
	n/a			Assessment Score:	#NAME?	Annual Cost	Summary - Increas	se/(Decrease)			
Recommend Project Descri	iption:				Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score		
Clearwater 115 kV Substation	e travella de Tarante e de la companya de la companya de la companya de la companya de la companya de la compa				better		<b>\$</b> -	\$ -	1		
and need to be replaced. S				wa na kata 2 mia mili na mana mpaka kata kata 2	operational						
This project will upgrade th			tradition in Ethical continues a		flexibility,		NA CAR				
switches on the section of be restoration. This work inclu-				CONTRACTOR AND AND AND ADDRESS OF THE ABOVE AND ADDRESS OF THE ABOVE AND ADDRESS AND ADDRE	improved system comms						
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requires continued operation		CONTRACTOR STATE OF THE PROPERTY OF THE PARTY									
system will be upgraded to											
						one and the second	200000000000000000000000000000000000000	***			
*16					l must		Summary - Increas	· · · · · · · · · · · · · · · · · · ·	Divide and Disk Conve		
Alternatives: Unfunded Project:	The evicting station	n Is a single bus with	"eliding link" air	cuitches that are	Performance n/a	\$ 100,000	O&M Cost \$ 50,000	Other Costs \$ 1,000,000	Business Risk Score		
Olivanaeo i rojecti.	BURNING CONTRACTOR SET N		A STEED AND THE PROPERTY OF	tation will shut down	11/4	- 100,000	50,000	3 1,000,000			
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	Tokama amokika a dikasaniyo e-				Operations		FA-15-WASSE-No-Visco No. 5	Alexandra Medical Association	New Making Street, Inglish the Street Live		
Program Cash Flows			41.3						465 Sept.		
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2014	\$ 2,000,000	\$	\$ -	\$ 1,300,000				Simple Principa			
2015			\$ -	\$ 500,000							
2016 2017+	\$ 500,000 \$ -	\$ -	\$ -	\$ 500,000							
Total	\$ 3,700,000	\$	ė i	\$ 3,100,000							
	3///	14.4.1211998.0001111090.0001	CANONINAL VIOLENCE		ı						
ER	2013	2014	2015	2016	2017+	Total	Mandate Excerpt	if applicable):			
2571	\$ 700,000	\$ 2,000,000	\$ 500,000	\$ 500,000	\$ -	\$ 3,700,000	A programme Comment Comment of the manual control	tation of the law or	regulation and a		
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0	\$	\$ -	\$ -	\$ -	\$ -	\$ -	and procurem	ent. Schedule co	mmitments with		
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O	\$ -	\$ -	\$ -	\$ - \$ 500,000	\$ - \$ -	\$ 3,700,000					
Total	1.3 /00,000	[ v _ z,000,000	300,000	الان الان الان الان الان الان الان الان	12 -	\$ 3,700,000					
Milestones (high level t	rargets)					100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100 SEC. 100					
March-13	Sub Design Begi	ns	Spring-14	T-line Shoofly Const		Spring-16	Upgrade Transfo	rmer n	il de la companya de la companya de la companya de la companya de la companya de la companya de la companya de		
June-13	UT2 - 34 kV Bkr I		Summer-14	115 kV Bus Sect. Bl		January-00	open	Milestoness	hould be general.		
July-13	T-Line Design Be	gins	Fall-14	Commission Tie Bre	aker	January-00	open		gement on project hat progress can		
September-13	UT2 - 34 kV Bkr I	Replaced	Winter-14	Upgrade SCADA		January-00	open	hingiess 20 f	nes progress Call		
Winter-13	115 kV Sub Desi		Spring-15	Upgrade Lolo 2 Rela		January-00	open				
Spring-14	115 kV Bay Cons	st. A-448	Fall-15	Upgrade N Lewistor	n Relays	January-00	open				
Resources Requirements: (	request forms and a	mprovale attachedi									
nternal Labor Availability:		Medium Probability	☑ High Probability	Enterprise Tech:	ES - attach form	☑ NO or Not Required	Capital Tools:	YES - attach form 🗸 N	IO or Not Required		
Contract Labor:	YES	☑ NO				NO or Not Required			IO or Not Required		

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Capital Project Business Case

#### AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-23.2

Kev Perforn	nance indicator(s)	•	
	ormance Improvements e: Fill in the name of the KPI here		
1,2	Fill in the name of the KPI here  #REFI  #REFI	Prepared	Mike Magruder/Ken Sweigart, T&D Substations/Transmission
0.6		Reviewed	Heather Rosentrater, Director - ENSO
0.4	,	Reviewed	Andy Vickers, Director - GPSS
o ‡	1	Reviewed (if necessary)	VI (augu Steuers) Director
	or re an	Lewiston transmission line river ossing deadend structure to be built to the west (right in photo) d old Lolo #2 115 kV line terminal be rebuilt in substation.	DEO NO. 2 115 KY LINE BILGRANET BAAAB  ANSIERAN LINE
	34 kV UT2 breaker and air switches to be replaced. 34 kV UT1 breaker and air	Shifting link switches reprinted with gang- elr switches (and a l	Ine terminal location west of
	npleted by Capital Planning Group le for decision		Review Cycles 2012-2016
		Date	Template

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Exhibit No.__(KKS-5)
Attachment No.__ETD-24

## AVISTA UTILITIES 2013-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

**Business Case Name:** Franchising for Washington State Department of Transportation ("WSDOT")

ER No: ER Name:

7108 WSDOT Highway Franchise Consolidation

Approved Business Case Spend Amount 2013-2016 (\$000s - System): \$1,0861

#### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	759	-	-	-	-	-	-	-	-	-	-	-	759
2015	427	36	36	36	36	36	36	36	36	36	36	36	36
2016	494	41	41	41	41	41	41	41	41	41	41	41	41

#### **Business Case Description:**

Obtain franchise renewals for existing facilities on WSDOT rights of way. We have hundreds of miles of Transmission and Distribution facilities within WSDOT rights of ways. Maintaining our right to be there allows for the continued operation of those facilities without additional negative impact to our ratepayers or the Company.

#### Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

Exhibit No. ___ (DCG-20)
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Capital Program Business Case

#### AVENI

Exhibit No.__(KKS-5)
Attachment No.__ETD-24.1

Investment Name:	Franchising for	NSDOT		Assessments:					
Requested Amount Duration/Timeframe	\$265,000 20	Year Program		Financial:	Medium - >= 5°	% & <9% CIRR			
Dept, Area:	Environmental			Strategic:	Life Cycle Prog				
Owner:	Rod Price (Mgr) E	Bruce Howard (Dir	)	Operational:	Operations son	newhat impacted b	y execution		
Sponsor:	Marian Durkin		sommer for the	Business Risk:	<b>ERM Reduction</b>				
Category:	Program			Program Risk:		around cost, sched			
Mandate/Reg. Reference:	n/a			Assessment Score:	81	Annual Cost	Summary - Increas	e/(Decrease)	
Recommend Program Desc	ription:				Performance	Capital Cost	O&M Cost	Other Costs	<b>Business Risk Score</b>
Obtain franchise renewals f Transmission and Distributi allows for the continued op or the Company.	on facilities within V	VSDOT rights of wa	ys. Maintaining o	ur right to be there	Present operation performance will remain	\$ 265,000		\$	1
and the state of t						Annual Cost	Summary - Increase	e/(Decrease)	
Alternatives:					Performance	Capital Cost	O&M Cost	Other Costs	Business Risk Score
Unfunded Program:	requiring that we re	elocate our facilitie SDOT properties if r	s. In addition, we	SDOT property, thus will not be able to add or operate our	n/a			moderate to extreme	9
move facilities to private property	This would involve moving all of the ex		ts on, or buying,	private property and	interrupt services to move facilities	STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE	\$	moderate to extreme	1
					====	\$	\$	<b>\$</b>	0
						\$	\$	\$	0
Program Cash Flows					Associated Ers (	list all applicable):			
5 years of costs		5213 - SEPTE COMMENSATION COMES ASSUME			7108				
	Capital Cost	O&M Cost	Other Costs	Approved	tidadiyiren bası			May Deplete in NO	
						18-X1-25-13-14-14-1			
2012		\$	\$	\$ 250,000					
2013		\$ -	\$	\$ 125,000					
2014			\$ -	\$ 165,000					1
2015	\$ 195,000		\$ -	\$ 427,375					
2016			\$ -	\$ 494,100					
2017			\$ -	\$ 9,100					
2018			\$ -	\$ 2,500					
2019		\$ -	\$ - \$ -	\$ 5,600 \$ 1.478.675					
Total	\$ 835,000			1,478,675	I		·		
Mandate Excerpt (If application					e ana a	Alles Pills Street Street			
provide brief citation of th	e law or regulation	and a reference	number if possi	OIE					
Additional Justifications: WSDOT will not allow new t	acilities to be built	n franchises that h	ave evniced						
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Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 278 of 303 Capital Program Business Case



Exhibit No.__(KKS-5)
Attachment No.__ETD-24.2

	erformance Improvements				
KPI Measi		ses			
	Fill in the nam	e of the KPI here			
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0 †	1 2 3 4	the KPI benefit. Providing a graph is	(if necessary)		Director/Manager
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To be co	ompleted by Capital Planning	ı Group			
Patters	ale for decision	, <del></del>			Review Cycles
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Exhibit No.__(KKS-5)
Attachment No.__ETD-25

## AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

**Business Case Name:** Harrington Voltage Conversion from 4 kV to 13 kV

ER No: ER Name:

2289 Harrington Conversion to 13 kV

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$3,0401

#### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	2,025	83	83	83	83	83	83	83	83	958	83	83	233
2016	1.000	83	83	83	83	83	83	83	83	83	83	83	83

#### **Business Case Description:**

The Harrington, WA area is the last area Avista serves at the legacy 4 kV voltage. This voltage is obsolete for serving utility distribution systems and we have very limited spare equipment to continue service at this voltage. The substation is very old and the transformer will be difficult and time consuming to replace if it fails. We do not have 4 kV on our mobile substations, so all the customers served by Harrington feeders will be out of service until the transformer is replaced. This could easily be up to 48 hours. There is no reason to delay this needed upgrade to our standard distribution class voltage and equipment. Minor system efficiencies also result.

#### Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

## Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 280 of 303 Capital Project Business Case

#### AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-25.1

Investment Name:	Harrington Upg	rades	A NOON BANK BANK BANK	1						
Requested Amount	\$3,000,000			Assessments:					All Marie	
Duration/Timeframe	Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of th	1 Year Project		Financial:	7.00%	0.80				
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Owner:	Heather Rosenti			Business Risk:	Business Risk					
Sponsor:	Don Kopczynski	3 200		Project Risk:	High certainty	arour	nd cost, sched	ule and resources		
Category:	Project			Assessment Score:	#NAME?	Time I	Annual Cost	: Summary - Increas	ro//Doernaro)	
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Internal Labor Availability: Contract Labor:	Low Probability YES	☐ Medium Probability ☑ NO	☑ High Probability				or Not Required or Not Required			NO or Not Required NO or Not Required

Exhibit No. ___ (DCG-20)
Dockets UE-150204/UG-150205
Page 281 of 303
Capital Project Business Case

#### AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-25.2

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	nance Indicator(s)		
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Exhibit No. ____ (DCG-20)
Dockets UE-150204/UG-150205
Page 282 of 303

Exhibit No.__(KKS-5)
Attachment No.__ETD-28

## AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Transmission - Asset Management

ER No: ER Name:

2057 Transmission Minor Rebuild2254 System 115kV Air Switch Upgrade

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$7,2721

#### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	1,279	-	-	-	-	-	-	-	-	-	72	7	1,200
2015	1,709	67	67	96	96	197	197	197	216	216	216	82	63
2016	1,772	9	9	62	62	248	248	248	284	284	284	35	-

#### **Business Case Description:**

The Transmission Asset Management Business Cases represent the mitigation Minor Rebuild (ER 2057) work associated with Avista Aerial Patrol and Wood Pole Management programs developed to comply with NERC Standard FAC-501-WECC-1, and Air Switch Replacements (ER 2254) made on a condition and age evaluation.

#### Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

## Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 283 of 303 Capital Program Business Case

#### AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-28.1

Investment Name:	Trans Asset Ma	<b>n</b>										
Requested Amount Duration/Timeframe Dept, Area: Owner: Sponsor:	\$1,400,000 Indefinite T&D - TLD Engli Heather Rosenti Don Kopczynski	rater		Assessments: Financial: Strategic: Business Risk: Program Risk:	10.00%  Life-cycle asset management  Business Risk Reduction >0 and <= 5  High certainty around cost, schedule and resources							
Category:	Program											
Mandate/Reg. Reference:	Charles and the Control of the Contr	FAC-501-WECC	-1	Assessment Score:	#NAME?	Committee of the commit	t Summary - Increa					
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Alternative 1: Brief name of alternative (if applicable)	significant portion majority of the po project. This also of the substations	les, replace the tran covers replacing Tra that have reached t increase the capaci	line has reached smission structur nsmission Air Swi heir end of life. F	the end of life for the es under a larger tches located outside or major rebuilds, new	Customer IRR of 8.9% and avolds about 580 events per year	\$ 4,205,000	\$ 331,000		12			
Alternative 2: Brief name of alternative (if applicable)	Describe other op	tions that were cons	idered		describe any incremental changes in operations	\$	S	\$	O			
Alternative 3 Name : Brief name of alternative (if applicable)	Describe other op	tions that were cons	idered		describe any incremental changes in operations	\$	\$	\$ 1	0			
Program Cash Flows	Capital Cost	O&M Cost	Other Costs	Approved		Associated Ers (list	all applicable):					
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2057	2014 \$ 1,431,823	\$ 1,489,455	2016 \$ 1,547,262	2017 \$ 1,555,249	\$ 1,613,420	Total \$ 7,637,209	Mandate Excerpt	(if applicable): of this Program is n	nandated under			
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Total	\$ 1,646,823	\$ 1,709,455	\$ 1,772,262	\$ 1,780,249	\$ 1,843,420	\$ 8,752,209						
Resources Requirements: ( Internal Labor Availability: Contract Labor:	Low Probability  YES	approvals attached) ☑ Medium Probability □ NO	☐ High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	orm ✓ NO or Not Required resource owners have been contacted and to provide a general sense of how likely staff will be provided						
Key Performance Indicator Expected Performance Improven KPI Measure:		the KPI here										

Fill in the name of the KPI here

## Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 284 of 303 Capital Program Business Case

#### AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-28.2

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Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 285 of 303

Exhibit No.__(KKS-5)
Attachment No.__ETD-30

## AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

**Business Case Name:** Transmission - NERC Low Priority Mitigation

ER No: ER Name:

2579 Low Priority Ratings Mitigation

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$3,6901

#### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	250	-	-	-	-	-	-	-	-	-	-	-	250
2015	500	-	-	-	-	-	-	-	-	-	-	-	500
2016	2,000	-	-	-	-	-	-	-	-	-	-	-	2,000

#### **Business Case Description:**

This program reconfigures insulator attachments, and/or rebuilds existing transmission line structures, or removes earth beneath transmission lines in order to mitigate ratings/sag discrepancies found between "design" and "field" conditions as determined by LiDAR survey data. This program was undertaken in response to the October 7, 2012 North American Electric Reliability Corporations (NERC) "NERC Alert" - Recommendation to Industry, "Consideration of Actual Field Conditions in Determination of Facility Ratings". This Capital Program (ER25xx) covers mitigation work on Avista's "Low Priority" 230kV and 115kV transmission lines. Mitigation brings lines in compliance with the National Electric Safety Code (NESC) minimum clearances values. These code minimums have been adopted into the State of Washington's Administrative Code (WAC).

#### Offsets:

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

# Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 286 of 303 Capital Program Business Case

#### AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-30.1

Investment Name: Requested Amount	NERC Low Prior \$1,500,000			Assessments:	0.008/				
Duration/Timeframe Dept Area:	TLD Engineering	Year Program	2006 24-20 00000	Financial: Strategic:	9.00% Reliability & Ca	apacity			
Owner:	Heather Rosentra	ater		Business Risk:		Reduction >10 and	d <= 15		
Sponsor:	Don Kopczynski			Program Risk:	High certainty	around cost, sched	lule and resources		
Category:	Program						A. 7 a. 7 (Silv Oscilla a A. 9 a. 9 a. 9 a. 9 a. 9 a. 9 a. 9 a		
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## Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 287 of 303 Capital Program Business Case

#### AWISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-30.2

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Exhibit No.__(KKS-5)
Attachment No.__ETD-31

# AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

**Business Case Name:** Transmission - NERC Medium Priority Mitigation

ER No: ER Name:

2581 Medium Priority Ratings Mitigation

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$7,276¹

#### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	1,717	-	-	-	-	-	-	-	-	-	22	2	1,693
2015	3,294	-	-	-	-	-	-	-	-	-	-	-	3,294
2016	2,251	-	-	-	-	-	-	-	-	-	-	-	2,251

#### **Business Case Description:**

This program reconfigures insulator attachments, and/or rebuilds existing transmission line structures, or removes earth beneath transmission lines in order to mitigate ratings/sag discrepancies found between "design" and "field" conditions as determined by LiDAR survey data. This program was undertaken in response to the October 7, 2012 North American Electric Reliability Corporations (NERC) "NERC Alert" - Recommendation to Industry, "Consideration of Actual Field Conditions in Determination of Facility Ratings". This Capital Program (ER2581) covers mitigation work on Avista's "Medium Priority" 230kV and 115kV transmission lines, including North Lewiston-Shawnee 230kV, Beacon-Bell #4 230kV, Beacon-Bell #5 230kV, Noxon-Hot Springs #2 230kV, Beacon-Boulder #2 115kV, Beacon-Francis & Cedar 115kV, 9th & Central-Otis 115kV, Northwest-Westside 115kV, Dry Creek-Talbot 230kV, Walla Walla-Wanapum 230kV, Benewah-Moscow 230kV, Devils Gap-Stratford 115kV. Mitigation brings lines in compliance with the National Electric Safety Code (NESC) minimum clearances values. These code minimums have been adopted into the State of Washington's Administrative Code (WAC).

#### Offsets:

There are no anticipated offsets with this business case.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

# Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 289 of 303 Capital Program Business Case

#### AVISTA

Exhibit No.__(KKS-5)
Attachment No.__ETD-31.1

Investment Name: Requested Amount Duration/Timeframe Dept, Area:	NERC Med Prior \$2,500,000	ity Mit Year Program		Assessments: Financial: Strategic:	9,00% Reliability & Ca	apacity			
Owner: Sponsor: Category:	Heather Rosentra Don Kopczynski Program	iter		Business Risk: Program Risk:		Reduction >10 an around cost, sched		98	
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Capital Program Business Case

#### Avista

Exhibit No.__(KKS-5)
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Exhibit No.__(KKS-5)
Attachment No.__ETD-32

# AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

**Business Case Name:** SCADA - System Operations & Backup Control Center

**ER No: ER Name:** 2277 SCADA Upgrade

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$3,051 1

#### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	1,229	-	-	-	-	-	-	-	-	-	137	1	1,090
2015	1,020	85	85	85	85	85	85	85	85	85	85	85	85
2016	1,002	83	83	84	83	83	84	83	83	84	83	83	84

#### **Business Case Description:**

This program replaces and/or upgrades existing electric and gas control center telecommunications and computing systems as they reach the end of their useful lives, require increased capacity, or cannot accommodate necessary equipment upgrades due to existing constraints. Included are hardware, software, and operating system upgrades, as well as deployment of capabilities to meet new operational standards and requirements. Some system upgrades may be initiated by other requirements, including NERC reliability standards, growth, and external projects (e.g. Smart Grid). Examples of upgrades to be completed under this program are Critical Infrastructure Protection version 5 (NERC requirement), Gas Control Room Management (PHMSA requirement), WECC RC Advanced Applications, and Technology Refresh (network and storage).

#### Offsets:

There are no anticipated offsets with this business case.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

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Requested Amount Average  Ouration/Timeframe	Average capital amt 2013	SCADA - SOO and BUCC Average capital amt 2013-18 is \$986,500 20 Year Program	\$986,500	Assessments:	%00:2					
T&D-S	CADA - S	T&D - SCADA - System Operations	ns	Strategic:	Reliability & capacity	oacity				
Craig Fi	gart/Brad	Craig Figart/Brad Calbick/Heather Rosentrater	r Rosentrater	Business Risk:	Business Risk	Business Risk Reduction >5 and <= 10	<= 10			
Don Kop Program	Don Kopczynski Program			Program Risk:	High certainty a	around cost, sched	High certainty around cost, schedule and resources			
Mandate/Reg. Reference: WECC/	WECC/NERC/FERC	RC		Assessment Score:	#NAME?	Annual Cos	Annual Cost Summary - Increase/(Decrease)	e/(Decrease)		
Recommend Program Description:					Performance	Capital Cost	O&M Cost	Other Costs	<b>Business Risk Score</b>	
This program replaces and/or upgrad computing systems as they reach the accommodate necessary equipment is software, and operating system upgratandards and requirements. Some s NERC reliability standards, growth, ar completed under this program are Cr Control Room Management (PHMSA Refresh (network and storage).	les existing the condition of the upgrades of a safes, as we wastern upg and external intical Infrarrement requireme	; electric and gas eir useful lives, re due to existing co ell as deployment grades may be ini- grades (e.g. Sn I projects (e.g. Sn structure Protect ent), WECC RC Adi	This program replaces and/or upgrades existing electric and gas control center telecommunication computing systems as they reach the end of their useful lives, require increased capacity, or canno accommodate necessary equipment upgrades due to existing constraints. Included are hardware, software, and operating system upgrades, as well as deployment of capabilities to meet new operstandards and requirements. Some system upgrades may be initiated by other requirements, incl NERC reliability standards, growth, and external projects (e.g. Smart Grid). Examples of upgrades tompleted under this program are Critical Infrastructure Protection version 5 (NERC requirement), Control Room Management (PHMSA requirement), WECC RC Advanced Applications, and Technolc Refresh (network and storage).	This program replaces and/or upgrades existing electric and gas control center telecommunications and computing systems as they reach the end of their useful lives, require increased capacity, or cannot accommodate necessary equipment upgrades due to existing constraints. Included are hardware, software, and operating system upgrades, as well as deployment of capabilities to meet new operational standards and requirements. Some system upgrades may be initiated by other requirements, including NERC reliability standards, growth, and external projects (e.g. Smart Grid). Examples of upgrades to be completed under this program are Critical Infrastructure Protection version 5 (NERC requirement), Gas Control Room Management (PHMSA requirement), WECC RC Advanced Applications, and Technology Refresh (network and storage).	Improved performance, upgraded equipment, better status & control, new life cycle.	000'9E0'T	473,926	<b>√</b>		E Doc
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Exhibit No.

(DCG-20)

Exhibit No.__(KKS-5)

Exhibit No.

Dockets UE-150204/UG-150205

(DCG-20)

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Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 296 of 303

Exhibit No.__(KKS-5)
Attachment No.__ETD-34

# AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

Functional Group: Electric Transmission / Distribution

Business Case Name: Noxon Switchyard Rebuild

ER No: ER Name:

2532 Noxon 230 kV Substation - Rebuild

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$14,7251

#### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	8,325	-	-	-	-	-	-	-	-	7,800	-	-	525
2016	500	-	-	-	-	-	-	-	-	-	-	-	500

#### **Business Case Description:**

The existing Noxon Rapids 230 kV Switchyard requires reconstruction due to the present age and condition of the equipment in the station. The existing bus is constructed as strain bus (which has suffered a number of recent failures) and is configured as a single bus with a tiebreaker separating the East and West buses. The station is the interconnection point of the Noxon Rapids Hydroelectric development as well as a principal interconnection point between Avista and BPA, and as such is a significant asset in the reliable operation of the Western Montana Hydro Complex. Equipment outages within the Station (planned or unplanned) can cause significant curtailments of the local generation output. Due to the significance of the station, a complete rebuild will require coordination with Avista's Energy Resources Department and neighboring utilities, primarily BPA. The Noxon Switchyard Rebuild Project is proposed to be a Greenfield Double Bus Double Breaker 230 kV switching station to replace the existing Noxon Switchyard.

#### Offsets:

There are no anticipated offsets with this business case.

¹The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

#### Exhibit No. _ _ (DCG-20) Dockets UE-150204/UG-150205 Page 297 of 303 Capital Investment Business Case

#### AVISTA

Exhibit No.__(KKS-5) Attachment No.__ETD-34.1

B	Noxon Switchyard Rebuild	33	•							
Requested Amount	\$24,950,000	Assessments:								
Duration/Timeframe	8 Year Project	Financial:	Medium - >= 59	% & <9%	6 CIRR					
Dept, Area:	T&D - Substation & Transmission Engineering	Strategic:	Reliability & Ca	pacity						
Owner:	Heather Rosentrater	Operational:	Operations req	ulre exe	cution to p	erform at c	urrent l	evels		
Sponsor:	Don Kopczynski	Business Risk:	<b>ERM Reduction</b>	1 >0 and	1<=5					
Category:	Project	Project/Program Risk:	High certainty a	around o	cost, sched	ule and res	ources			
Mandate/Reg. Reference:	: n/a	Assessment Score:	. 79	119771111	Cost Sun	nmary - Incr	ease/(D	ecrease		
Recommend Project Des			Performance	Capi	tal Cost	0&M 0	ost	Oth	er Costs	Business Risk Score
East and West buses. The well as a principal interco reliable operation of the \ (planned or unplanned) co significance of the station	ent fallures) and is configured as a single bus with a tie br e station is the interconnection point of the Noxon Rapids nnection point between Avista and BPA, and as such is a Western Montana Hydro Complex. Equipment outages w an cause significant curtailments of the local generation of both accomplete rebuild will require coordination with Avista ring utilities, primarily BPA. The Noxon Switchyard Rebui	s Hydro Electric Dam as significant asset in the vithin the Station output. Due to the a's Energy Resources	replacing end of life equipment. Improve equipment capacity ratings where possible.			The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon				
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Previous	\$ -	\$ -	\$ -	\$ -
2012	\$ -	\$ -	\$ -	\$ 150,000
2013	\$ 400,000	\$ -	\$ -	\$ 400,018
2014	\$ 2,525,000	\$ -	\$ -	\$ 4,425,000
2015	\$ 5,475,000	\$ -	\$ -	\$ 7,300,000
2016	\$ 3,000,000		\$ -	\$ 3,000,000
2017	\$ 4,200,000	\$========	\$ -	\$ 5,200,000
2018	\$ 4,200,000	\$	\$ -	\$ 5,200,000
2019	\$ -	\$ -	\$ -	\$ 4,200,000
Future	\$ 5,000,000	\$ -	\$ -	\$ -
Total	\$ 24,800,000	\$ -	\$ -	\$ 29,875,018

Construction Cash Flows (CWIP)

Jan-Dec 2012 Jan-Dec 2013 April-14 April-14 - Dec-15 April-14 - Dec-15	the Day of the Abelian Service Springer	otions; Proce r Station & 2		April-16 - Oct-16 April-17 - Oct-17 April-18 - Oct-18 April-19 - Oct-19 April-20 - Oct-20	Construction of Construction of Construction of	new station; Line new station; Line	Construction Construction/Terr Construction/Terr Construction/Terr Construction/Terr	nination/BPA nination/BPA	A Construction
Jan-15 - Dec-15 April-15 - Oct-15	Design rest of ne Construction of n		lace old breakers	April-20 - Oct-20					
	Construction of n	w station	lace old breakers	April-20 - Oct-20					
April-15 - Oct-15	Construction of n	w station		April-20 - Oct-20					

Additional Justifications:
The existing station has not had equipment upgrades since 2007 due to projected plans for a station rebuild. With the decision to pursue a full station upgrade in a new location, the time it will take to construct this new station will require the old station to remain in operation until at least 2020 by current estimates, it has been decided to replace some of the existing equipment to afford safe and reliable operation of the existing station while the new station is constructed.

# Exhibit No. ___ (DCG-20) Dockets UE-150204/UG-150205 Page 298 of 303 Capital Investment Business Case

Exhibit No.__(KKS-5) Attachment No.__ETD-34.2

<i>AIVISTA</i>							
Resources Requirements:	(request forms and	l approvals attached)					
Internal Labor Availability; Contract Labor: Key Performance Indicato Expected Performance Improve: KPI Measure:	YES  r(s) ments	✓ Medum Probability  No  'Yard/minor station	High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	▼ NO or Not Required ▼ NO or Not Required ▼ NO or Not Required ▼ NO or Not Required	Check the appropriate box. The internal and contract labor boxes should be checked to indicate if the resource owners have been contacted and to provide a general sense of how likely staff will be provided (this does not require a firm committment).
	Complete remain	ider of station as time	e/budget allows.	Prepared	Mik	e Magruder/Ken Sweiga	rt, T&D - Substations/Transmission
				Reviewed		Heather Rosen	trater, Director - ENSO
				Reviewed		Andy Vicke	rs, Director - GPSS
					M	Large St	evens
					Left: Pictures of N		and Switchyard and shortly after orginal construction - 1956 is are available upon request.
To be completed by Ca Rationale for decision		Froup				Re	view Cycles
							1012-2016
					Date		Template

Exhibit No. ___ (DCG-20)
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Exhibit No.__(KKS-5)
Attachment No.__ETD-35

# AVISTA UTILITIES 2014-2016 CAPITAL PROJECTS

**Functional Group:** Electric Transmission / Distribution

**Business Case Name:** Street Light Management

ER No: ER Name:

2584 Street Light Conversion to LED Fixtures

Approved Business Case Spend Amount 2014-2016 (\$000s - System): \$3,0001

#### Transfer to Plant Amounts (\$000s - System):

Year	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	1,500	133	124	123	124	125	123	133	122	123	124	125	122
2016	1,500	142	123	120	122	124	120	143	118	120	124	124	118

#### **Business Case Description:**

Street Light Maintenance Program. This program is a 5 year planned replacement of bulbs and 10 year planned replacement of photocells.

#### Offsets:

We anticipate there will be annual O&M savings in beginning in 2015 in the amount of \$468,000 and will increase to \$722,000 in 2016; an incremental increase of \$254,000. The offsets occur due to converting 100 Watt street lights from High Pressure Sodium. The savings comes from eliminating the labor, equipment, material, and overhead costs associated with repairing older lights. We have included \$468,000 (\$305,090 WA) for 2015 and \$254,000 (\$165,583 WA) for 2016 of O&M Offsets in our Proforma adjustment.

¹ The business case amount reflects approved capital expenditures for the years indicated and not transfers to plant.

# Capital Program Business Case

Exhibit No	_(KKS	S-5)
Attachment	No	_ETD-3

Requested Amount	Street Light Management \$475,000			Assessments:						
Duration/Timeframe	Indefinite 2014	4		Financial:	7.92%					
Dept, Area:	Operations			Strategic:	Life-cycle asset management	management				
Owner:	Al Fisher			Business Risk:	Business Risk F	Business Risk Reduction >5 and <	<= 10			Egg
Sponsor: Category:	Don Kopczynski Program			Program Risk:	Moderate certai	Moderate certainty around cost, schedule	chedule and resources	urces		30000 20000
Mandate/Reg. Reference:	n/a			Assessment Score:	#NAME?	Annual Cost	Annual Cost Summary - Increase/(Decrease)	se/(Decrease)	50000	
Recommend Program Description:	cription:				Performance	Capital Cost	O&M Cost	Other Costs	<b>Business Risk Score</b>	[ e
t Light Maintenance P ied replacement of ph	Street Light Maintenance Program. This program is a 5 year planned replacement of bulbs planned replacement of photocells. This alternative has the starterboards running to failu	a 5 year plannec e has the starterb	J replacement	of bulbs and 10 year to failure.	7.92%	\$ 475,000	(250,000)	(750,000)		
						Annual Cost	Annual Cost Summary - Increase/(Decrease)	se/(Decrease)		[
Alternatives:					Performance	Capital Cost	O&M Cost	Other Costs	<b>Business Risk Score</b>	Dod
Unfunded Program: Continue maintaining the street lights as failures occur	The lights are currently maintained based on customer feedback and/or due to being noticed by an Avista employee. Many street lights are out for long periods of time which can put us at risk. We also spend a large amount of time driving from issue to issue.	maintained base Avista employee. an put us at risk. to issue.	ed on customer Many street I We also spen	feedback and/or due ghts are out for long 1 a large amount of	6.29% 2 - S3 event in 10 years	· ·	\$ 1,500,000	cs.	10	Exhibit No ckets UE-150 Page 30
Alternative 1.:	Street Light Maintenance Program. This program is a 5 year planned replacement of bulbs and 10 year planned replacement of photocells. alternative has the starterboards running to failure.	ce Program. This nd 10 year plann terboards runnin	s program is a 5 ed replacemen g to failure.	year planned t of photocells. This	7.92% 1.5 - S3 event in 10 years	\$ 475,000	\$ (250,000)	(750,000)		204/UG-150
Alternative 2:	Street Light Maintenance Program. This program is a 5 year pl replacement of bulbs and starterboards and a 10 year planned of photocells.	ce Program. This nd starterboards	program is a 5 and a 10 year	year planned blanned replacement	7.28% 1 - 53 event in 10 years	\$ \$90,000	\$ (250,000)	\$ (1,175,000)	12	
Alternative 3:	Street Light Maintenance Program. This program is a 5 year planned replacement of bulbs and a 10 year planned replacement of photocells and starterboards.	ce Program. This nd a 10 year plan	program is a 5 ined replaceme	year planned int of photocells and	7.82% 1 - S3 event in 10 years	000′568 \$	\$ (250,000)	(1,165,000)	12	
Program Cash Flows										
	Capital Cost	O&M Cost	Other Costs	Approved		Associated Ers (list all applicable)	all applicable):			
Previous	\$			- \$	I:	New ER				
ETO7	421.000	3041 52		, ,						
2014	475,000 5	5 (000,000)	٠ ،	2 1 500 000		Section 1				
2016	\$ 494,190	te event								No.
2017	\$ 504,074	(1,000,000)	\$							
2018			- \$	\$ 1,500,000						

																			ts l	JE.	(DCG-20) 204/UG-150205 1 of 303	)5						o(KKS-5 nt NoE	TD-35.2
			Mandate Excerpt (if applicable):								Additional Justifications:										Check the appropriate box. The internal and contract labor boxes should be checked to indicate if the resource owners have been contacted and to provide a general sense of how likely staff will be provided	(this does not require a firm commitment).					Director/Manager	Naugu Struck	Phinket: 11-05-20 C:\Users\nfl\te457\Desktap\Business Cases\Street Light Managem
			Total	1,957,764						1	Adr			Í						1 957 764	✓NO or Not Required ✓NO or Not Required ✓NO or Not Required	✓ NO or Not Required							
			2017	\$ 504,074 \$		\$ - \$	•		1	\$ - \$		\$ - \$	•	\$ - \$	\$	1	5 - \$			\$ 504.074 \$	YES - attach form  YES - attach form  YES - attach form	YES - attach form		Orogan		Reviewed		Other Party Review	
1 500 000	2 500,000		2016	494,190							\$	-					-			061 767	Enterprise Tech: Facilities: Capital Tools:	Fleet:							
	, .		2015	\$ 484,500 \$		\$ - \$	-	\$ -	1	-				\$\$	1	•		-	•	\$ 484 500 \$	✓ High Probability Ei	· Œ	lights	ed per year					
7	\$ (2.500.000)	•	2014	\$ 475,000	\$	- \$	\$	\$	\$	\$	\$	\$	- \$	- \$	\$	\$	\$	ļ-	- \$	\$ 475,000	pprovals attached)  Medium Probability  No		spending on street	er of lights maintain	Total O&M Costs	100 Calculation of the Calculati			
4	\$ 1.957.764	<b>.</b>	2013	5	- \$	- \$	\$	\$	\$	\$		-	-	- \$	- \$	\$	· ·	\$	\$		equest forms and a		sents Monitoring the OM spending on street lights	Monitor the number of lights maintained per year	Total (				
2019	CTO.2		ER	New ER	0		0	0	0	0				0	0				0	Total	Resources Requirements: (request forms and approvals attached) Internal Labor Availability: $\square_{\text{Low Probability}}$ Contract Labor: $\square_{\text{YES}}$		Key Performance Indicator(s) Expected Performance Improvements KPI Measure:	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	000	\$1,400,000	\$1,200,000	\$800,000	Page 2 of 4

Capital Program Business Case

Printed: 11-05-2014 C:\Users\rff9457\Desktop\Business Cases\Street Light Management

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Exhibit No.__(KKS-5)
Attachment No.__ETD-35.4

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