

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

DOCKET NO. UE-15\_\_\_\_\_

DOCKET NO. UG-15\_\_\_\_\_

EXHIBIT NO.\_\_\_\_\_(KKS-4)

KAREN K. SCHUH

REPRESENTING AVISTA CORPORATION

**Avista Oct - Dec 2014 Capital Additions Detail (System)  
(Transfers to Plant)**

Exhibit No. \_\_\_\_ (KKS-4)

Exhibit No. ____ (KKS- 5)		<u>\$ (000's)</u>
<u>Attachment No.</u>		
	<b>Generation / Production:</b>	
GP-1	Hydro - Base Load Hydro	\$ 1,126
GP-2	Hydro - Clark Fork Settlement Agreement	8,001
GP-3	Hydro - Generation Battery Replacement	100
GP-4	Hydro - Hydro Safety Minor Blanket	65
GP-6	Hydro - Nine Mile Rehab	5,175
GP-7	Hydro - Regulating Hydro	3,027
GP-8	Hydro - Spokane River License Implementation	(9)
GP-9	Other - Base Load Thermal Plant	201
GP-11	Thermal - Kettle Falls Water Supply	1,000
GP-12	Thermal - Colstrip Thermal Capital	1,459
GP-17	KFGS Ash Collector	19
		<u>\$ 20,164</u>
	<b>General:</b>	
G-1	Capital Tools & Stores Equipment	\$ 589
G-2	COF Long-Term Restructuring Plan	2,085
G-3	Dollar Road Service Center Addition & Remodel	1
G-4	Structures and Improvements/Furniture	575
G-6	Apprentice Training	5
G-7	HVAC Renovation Project	3
		<u>\$ 3,258</u>
	<b>Natural Gas Distribution:</b>	
NGD-1	Aldyl A Replacement	\$ 4,342
NGD-2	Cathodic Protection	210
NGD-3	Gas Non-Revenue Program	1,060
NGD-4	Gas Reinforcement	122
NGD-5	Gas Replacement Street & Highway	1,010
NGD-6	Gas Telemetry	53
NGD-7	Isolated Steel Replacement	550
NGD-8	Overbuilt Pipe Replacement	81
NGD-9	Regulator Station Reliability Replacement	59
NGD-10	Replace Deteriorating Steel Gas Systems	107
NGD-12	Gas PMC Program - Capital Replacements	121
NGD-14	NSC Greene St HP Gas Main	9
		<u>\$ 7,724</u>
	<b>Gas Underground Storage:</b>	
GUS-01	Jackson Prairie Storage	\$ 205
		<u>\$ 205</u>
	<b>Transportation:</b>	
T-1	Fleet Budget	1,404
T-2	CNG Fleet Conversion	\$ 9
		<u>\$ 1,413</u>

**Avista Oct - Dec 2014 Capital Additions Detail (System)  
(Transfers to Plant)**

Exhibit No. \_\_\_\_ (KKS-4)

Exhibit No. ____ (KKS- 5)				
Attachment No.		\$ (000's)		
<b>Enterprise Technology:</b>				
ET-1	AvistaUtilities.com Upgrade			\$ 1,538
ET-2	Enterprise Business Continuity Plan			121
ET-3	Mobility in the Field			189
ET-4	Technology Refresh to Sustain Business Process			5,421
ET-6	Enterprise Security			666
ET-7	Technology Expansion to Enable Business Process			1,661
ET-8	Trove Sunstone Integration			245
ET-9	High Voltage Protection Upgrade			485
ET-11	Microwave Refresh			653
				<b>\$ 10,979</b>
		<b>Total</b>		
		<b>Transmission &amp;</b>		
		<b>Distribution</b>		
	<b>Electric Transmission / Distribution:</b>	<b>Transmission</b>	<b>Distribution</b>	<b>Distribution</b>
ETD-1	Colstrip Transmission/PNACI	\$ 75	\$ -	\$ 75
ETD-2	Distribution Grid Modernization		4,252	4,252
ETD-3	Distribution Line Protection		147	147
ETD-4	Distribution Minor Rebuild		1,545	1,545
ETD-5	Distribution Transformer Change-Out Program		597	597
ETD-6	Distribution Wood Pole Management		1,198	1,198
ETD-7	Meter Minor Blanket		1,039	1,039
ETD-8	Electric Replacement/Relocation		437	437
ETD-9	Environmental Compliance	8	38	46
ETD-10	Primary URD Cable Replacement		74	74
ETD-11	Reconductors and Rebuilds	10,686		10,686
ETD-12	Segment Reconductor and FDR Tie Program		2,689	2,689
ETD-13	Spokane Electric Network		441	441
ETD-14	Storms	427	530	957
ETD-15	Substation - 115 kV Line Relay Upgrades	262		262
ETD-16	Substation - Asset Mgmt. Capital Maintenance	74	155	229
ETD-17	Substation - Capital Spares	245	6	252
ETD-18	Substation - Distribution Station Rebuilds	23	5,850	5,872
ETD-19	Substation - New Distribution Stations		412	412
ETD-20	Tribal Permits and Settlements	110		110
ETD-21	Worst Feeders		1,351	1,351
ETD-22	Spokane Valley Transmission Reinforcement	1,900		1,900
ETD-23	Clearwater Sub Upgrades	506		506
ETD-24	Franchising for WSDOT		759	759
ETD-25	Harrington 4 kV Cutover			
ETD-26	Moscow 230 Substation Rebuild	6,363		6,363
ETD-27	Smart Grid Demonstration Project		554	554
ETD-28	Transmission - Asset Management	1,279		1,279
ETD-29	Transmission - NERC High Priority Mitigation	1,900		1,900
ETD-30	Transmission - NERC Low Priority Mitigation	250		250
ETD-31	Transmission - NERC Medium Priority Mitigation	1,717		1,717
ETD-32	SCADA - SOO & BUCC	1,229		1,229
ETD-33	Spokane Smart Circuit		192	192
		<b>\$ 27,054</b>	<b>\$ 22,266</b>	<b>\$ 49,320</b>
 				<b>\$ 93,063</b>
<b>Total Non-Revenue Capital</b>				
Growth/Revenue - Producing				<b>\$ 8,179</b>
 				<b>\$ 11,954</b>
<b>Total Idaho Direct Capital Additions 2014</b>				
 				<b>\$ 3,369</b>
<b>Total Oregon Direct Capital Additions 2014</b>				
 				<b>\$ 116,566</b>
<b>Total Capital Additions in 2014</b>				

**Avista 2015 Capital Additions Detail (System)  
(Transfers to Plant)**

Exhibit No. \_\_\_\_ (KKS-4)

<b>Exhibit No. ____ (KKS- 5)</b>		
<b>Attachment No.</b>	<b>Generation / Production:</b>	<b>\$ (000's)</b>
GP-1	Hydro - Base Load Hydro	\$ 1,149
GP-2	Hydro - Clark Fork Settlement Agreement	13,988
GP-3	Hydro - Generation Battery Replacement	250
GP-4	Hydro - Hydro Safety Minor Blanket	70
GP-5	Hydro - Little Falls Plant Upgrade	14,300
GP-6	Hydro - Nine Mile Rehab	51,323
GP-7	Hydro - Regulating Hydro	4,136
GP-8	Hydro - Spokane River License Implementation	462
GP-9	Other - Base Load Thermal Plant	2,200
GP-10	Other - Peaking Generation	500
GP-12	Thermal - Colstrip Thermal Capital	2,497
GP-14	Hydro - Noxon Spare Coils	1,350
GP-15	Hydro - Post Falls South Channel Replacement	11,008
GP-16	Hydro - Cabinet Gorge Unit 1 Refurbishment	11,400
		<b>\$ 114,633</b>
	<b>General:</b>	
G-1	Capital Tools & Stores Equipment	\$ 2,348
G-2	COF Long-Term Restructuring Plan	8,500
G-4	Structures and Improvements/Furniture	4,600
G-5	Battery Storage	2,063
G-6	Apprentice Training	60
G-7	HVAC Renovation Project	9,250
G-9	New Deer Park Service Center	2,750
G-10	COF Long-term Restructure Ph2	2,000
		<b>\$ 31,571</b>
	<b>Natural Gas Distribution:</b>	
NGD-1	Aldyl A Replacement	\$ 16,817
NGD-2	Cathodic Protection	950
NGD-3	Gas Non-Revenue Program	7,664
NGD-4	Gas Reinforcement	1,000
NGD-5	Gas Replacement Street & Highway	4,500
NGD-6	Gas Telemetry	400
NGD-7	Isolated Steel Replacement	3,450
NGD-8	Overbuilt Pipe Replacement	900
NGD-9	Regulator Station Reliability Replacement	800
NGD-10	Replace Deteriorating Steel Gas Systems	1,000
NGD-12	Gas PMC Program - Capital Replacements	1,030
NGD-13	Goldendale HP	3,505
NGD-15	ERTs Replacement Program	402
		<b>\$ 42,418</b>
	<b>Gas Underground Storage:</b>	
GUS-1	Jackson Prairie Storage	\$ 1,356
		<b>\$ 1,356</b>
	<b>Transportation:</b>	
T-1	Fleet Budget	\$ 7,700
		<b>\$ 7,700</b>

**Avista 2015 Capital Additions Detail (System)  
(Transfers to Plant)**

Exhibit No. \_\_\_\_ (KKS-4)

<b>Exhibit No. ____ (KKS- 5)</b>				
<b>Attachment No.</b>				<b>\$ (000's)</b>
<b>Enterprise Technology:</b>				
ET-1	AvistaUtilities.com and AvaNet Redesign			\$ 4,125
ET-2	Enterprise Business Continuity Plan			450
ET-3	Mobility in the Field			450
ET-4	Technology Refresh to Sustain Business Process			18,595
ET-5	Customer Information and Work & Asset Management System			95,108
ET-6	Enterprise Security			3,800
ET-7	Technology Expansion to Enable Business Process			6,069
ET-9	High Voltage Protection Upgrade			719
ET-10	Next Generation Radio Refresh			4,200
ET-11	Microwave Refresh			2,363
				<b>\$ 135,879</b>
<b>Electric Transmission / Distribution:</b>				
		<b>Transmission</b>	<b>Distribution</b>	<b>Total Transmission &amp; Distribution</b>
ETD-1	Colstrip Transmission/PNACI	\$ 491	\$ -	\$ 491
ETD-2	Distribution Grid Modernization		10,925	10,925
ETD-3	Distribution Line Protection		125	125
ETD-4	Distribution Minor Rebuild		8,300	8,300
ETD-5	Distribution Transformer Change-Out Program		4,700	4,700
ETD-6	Distribution Wood Pole Management		11,000	11,000
ETD-7	Meter Minor Blanket		5,806	5,806
ETD-8	Electric Replacement/Relocation		2,400	2,400
ETD-9	Environmental Compliance	350	150	500
ETD-10	Primary URD Cable Replacement		1,000	1,000
ETD-11	Reconductors and Rebuilds	11,763	2,500	14,263
ETD-12	Segment Reconductor and FDR Tie Program		2,920	2,920
ETD-13	Spokane Electric Network		2,300	2,300
ETD-14	Storms	1,000	2,000	3,000
ETD-15	Substation - 115 kV Line Relay Upgrades	1,525		1,525
ETD-16	Substation - Asset Mgmt. Capital Maintenance	1,200	1,508	2,708
ETD-17	Substation - Capital Spares	3,900	1,200	5,100
ETD-18	Substation - Distribution Station Rebuilds	275	2,112	2,387
ETD-19	Substation - New Distribution Stations		2,026	2,026
ETD-20	Tribal Permits and Settlements	1,430		1,430
ETD-21	Worst Feeders		1,999	1,999
ETD-22	Spokane Valley Transmission Reinforcement	2,900		2,900
ETD-23	Clearwater Sub Upgrades	500		500
ETD-24	Franchising for WSDOT		427	427
ETD-25	Harrington 4 kV Cutover		2,025	2,025
ETD-28	Transmission - Asset Management	1,709		1,709
ETD-30	Transmission - NERC Low Priority Mitigation	500		500
ETD-31	Transmission - NERC Medium Priority Mitigation	3,294		3,294
ETD-32	SCADA - SOO & BUCC	1,020		1,020
ETD-34	Noxon Switchyard Rebuild	8,325		8,325
ETD-35	Street Light Management		1,500	1,500
		<b>\$ 40,183</b>	<b>\$ 66,924</b>	<b>\$ 107,107</b>
<b>Total Non-Revenue Capital</b>				<b>\$ 440,664</b>
Growth/Revenue - Producing				<b>\$ 31,343</b>
<b>Total Idaho/Oregon Direct Capital Additions 2015</b>				<b>\$ 7,990</b>
<b>Total Capital Additions in 2015</b>				<b>\$ 479,996</b>

**Avista 2016 Capital Additions Detail (System)**  
**(Transfers to Plant)**

Exhibit No. \_\_\_\_ (KKS-4)

Exhibit No. ____ (KKS- 5)		
Attachment No.		\$ (000's)
<b>Generation / Production:</b>		
GP-1	Hydro - Base Load Hydro	\$ 1,149
GP-2	Hydro - Clark Fork Settlement Agreement	6,054
GP-3	Hydro - Generation Battery Replacement	250
GP-4	Hydro - Hydro Safety Minor Blanket	75
GP-5	Hydro - Little Falls Plant Upgrade	9,000
GP-6	Hydro - Nine Mile Rehab	9,871
GP-7	Hydro - Regulating Hydro	3,533
GP-8	Hydro - Spokane River License Implementation	16,898
GP-9	Other - Base Load Thermal Plant	2,200
GP-10	Other - Peaking Generation	500
GP-12	Thermal - Colstrip Thermal Capital	10,480
GP-13	Other - Coyote Springs LTSA	2,000
		<u>\$ 62,010</u>
 <b>General:</b>		
G-1	Capital Tools & Stores Equipment	\$ 2,400
G-2	COF Long-Term Restructuring Plan	4,000
G-4	Structures and Improvements/Furniture	3,600
G-5	Battery Storage	406
G-6	Apprentice Training	60
		<u>\$ 10,466</u>
 <b>Natural Gas Distribution:</b>		
NGD-1	Aldyl A Replacement	\$ 17,385
NGD-2	Cathodic Protection	1,000
NGD-3	Gas Non-Revenue Program	8,594
NGD-4	Gas Reinforcement	1,000
NGD-5	Gas Replacement Street & Highway	4,500
NGD-6	Gas Telemetry	400
NGD-7	Isolated Steel Replacement	3,550
NGD-8	Overbuilt Pipe Replacement	900
NGD-9	Regulator Station Reliability Replacement	800
NGD-10	Replace Deteriorating Steel Gas Systems	1,000
NGD-11	Gas HP Pipeline Remediation Program	3,000
NGD-12	Gas PMC Program - Capital Replacements	1,061
NGD-15	ERTs Replacement Program	444
ETD-37	Washington AMI	8,758
		<u>\$ 52,392</u>
 <b>Gas Underground Storage:</b>		
GUS-1	Jackson Prairie Storage	\$ 1,175
		<u>\$ 1,175</u>
 <b>Transportation:</b>		
T-1	Fleet Budget	\$ 7,700
		<u>\$ 7,700</u>

**Avista 2016 Capital Additions Detail (System)  
(Transfers to Plant)**

Exhibit No. \_\_\_\_ (KKS-4)

Exhibit No. \_\_\_\_ (KKS- 5)

Attachment No.

\$ (000's)

**Enterprise Technology:**

ET-1	AvistaUtilities.com Redesign	\$ 2,000
ET-2	Enterprise Business Continuity Plan	450
ET-3	Mobility in the Field	320
ET-4	Technology Refresh to Sustain Business Process	16,095
ET-6	Enterprise Security	3,200
ET-7	Technology Expansion to Enable Business Process	5,552
ET-9	High Voltage Protection Upgrade	415
ET-11	Microwave Refresh	3,050
		<u>\$ 31,082</u>

**Total  
Transmission &  
Distribution**

**Electric Transmission / Distribution:**

	<u>Transmission</u>	<u>Distribution</u>	<u>Total</u>
ETD-1	\$ 497	\$ -	\$ 497
ETD-2		\$ 11,000	\$ 11,000
ETD-3		125	\$ 125
ETD-4		8,300	\$ 8,300
ETD-5		4,700	\$ 4,700
ETD-6		11,000	\$ 11,000
ETD-7		5,806	\$ 5,806
ETD-8		2,500	\$ 2,500
ETD-9	350	150	\$ 500
ETD-11	21,161	2,500	\$ 23,661
ETD-12		2,675	\$ 2,675
ETD-13		2,298	\$ 2,298
ETD-14	890	1,900	\$ 2,790
ETD-16	3,300	1,519	\$ 4,819
ETD-17	4,915	1,200	\$ 6,115
ETD-18	3,565	2,284	\$ 5,849
ETD-19		75	\$ 75
ETD-20	316		\$ 316
ETD-21		2,000	\$ 2,000
ETD-22	7,440		\$ 7,440
ETD-23	500		\$ 500
ETD-24		494	\$ 494
ETD-25		1,000	\$ 1,000
ETD-28	1,772		\$ 1,772
ETD-30	2,000		\$ 2,000
ETD-31	2,251		\$ 2,251
ETD-32	1,002		\$ 1,002
ETD-34	500		\$ 500
ETD-35		1,500	\$ 1,500
ETD-36	1,780		\$ 1,780
ETD-37		32,243	\$ 32,243
	<u>\$ 52,239</u>	<u>\$ 95,268</u>	<u>\$ 147,507</u>

**Total Non-Revenue Capital** \$ 312,332

Growth/Revenue - Producing \$ 33,334

**Total Idaho Direct Capital Additions 2016** \$ 11,035

**Total Capital Additions in 2016** \$ 356,701

**Avista 2017 Capital Additions Detail (System)  
(Transfers to Plant)**

Exhibit No. \_\_\_\_ (KKS-4)

Exhibit No. ____ (KKS- 5)		
<u>Attachment No.</u>		<u>\$ (000's)</u>
<b>Generation / Production:</b>		
GP-1	Hydro - Base Load Hydro	\$ 1,149
GP-2	Hydro - Clark Fork Settlement Agreement	22,836
GP-3	Hydro - Generation Battery Replacement	250
GP-4	Hydro - Hydro Safety Minor Blanket	80
GP-5	Hydro - Little Falls Plant Upgrade	10,000
GP-6	Hydro - Nine Mile Rehab	858
GP-7	Hydro - Regulating Hydro	3,533
GP-8	Hydro - Spokane River License Implementation	516
GP-9	Other - Base Load Thermal Plant	2,200
GP-10	Other - Peaking Generation	500
GP-12	Thermal - Colstrip Thermal Capital	
GP-13	Other - Coyote Springs LTSA	730
*	Cabinet Gorge Automation Replacement	2,842
*	Colstrip Thermal Capital	9,617
*	Kettle Falls Stator Rewind	7,930
*	Long Lake Replace Field Windings	4,172
		<u>\$ 67,213</u>
<b>General:</b>		
G-1	Capital Tools & Stores Equipment	\$ 2,400
G-4	Structures and Improvements/Furniture	3,600
G-6	Apprentice Training	60
G-10	COF Long-term Restructure Ph2	5,000
*	Dollar Rd Service Center Addition and Remodel	10,000
		<u>\$ 21,060</u>
<b>Natural Gas Distribution:</b>		
NGD-1	Aldyl A Replacement	\$ 18,263
NGD-2	Cathodic Protection	1,250
NGD-3	Gas Non-Revenue Program	8,680
NGD-4	Gas Reinforcement	800
NGD-5	Gas Replacement Street & Highway	4,500
NGD-6	Gas Telemetry	400
NGD-7	Isolated Steel Replacement	3,320
NGD-8	Overbuilt Pipe Replacement	900
NGD-9	Regulator Station Reliability Replacement	800
NGD-10	Replace Deteriorating Steel Gas Systems	1,000
NGD-11	Gas HP Pipeline Remediation Program	3,000
NGD-12	Gas PMC Program - Capital Replacements	1,093
NGD-15	ERTs Replacement Program	494
*	Gas N Spokane Hwy 2 GP Main Reinforcement Project	1,300
		<u>\$ 45,800</u>
<b>Gas Underground Storage:</b>		
GUS-1	Jackson Prairie Storage	\$ 1,117
		<u>\$ 1,117</u>
<b>Transportation:</b>		
T-1	Fleet Budget	\$ 7,700
		<u>\$ 7,700</u>



**Avista 2017 Capital Additions Detail (System)  
(Transfers to Plant)**

Exhibit No. \_\_\_\_ (KKS-4)

Exhibit No. \_\_\_\_ (KKS- 5)

**Attachment No.**

**\$ (000's)**

**Enterprise Technology:**

ET-2	Enterprise Business Continuity Plan	450
ET-4	Technology Refresh to Sustain Business Process	16,095
ET-6	Enterprise Security	3,200
ET-7	Technology Expansion to Enable Business Process	5,799
ET-11	Microwave Refresh	3,050
*	AFM COTS Migration	15,608
		<b>\$ 44,202</b>

**Total  
Transmission &  
Distribution**

<b>Electric Transmission / Distribution:</b>		<b>Transmission</b>	<b>Distribution</b>	<b>Total Transmission &amp; Distribution</b>
ETD-1	Colstrip Transmission/PNACI	\$ 516	\$	\$ 516
ETD-2	Distribution Grid Modernization		\$ 13,000	\$ 13,000
ETD-3	Distribution Line Protection		125	\$ 125
ETD-4	Distribution Minor Rebuild		8,300	\$ 8,300
ETD-5	Distribution Transformer Change-Out Program		1,100	\$ 1,100
ETD-6	Distribution Wood Pole Management		12,000	\$ 12,000
ETD-7	Meter Minor Blanket		4,977	\$ 4,977
ETD-8	Electric Replacement/Relocation		2,600	\$ 2,600
ETD-9	Environmental Compliance	500		\$ 500
ETD-11	Reconductors and Rebuilds		2,500	\$ 2,500
ETD-12	Segment Reconductor and FDR Tie Program	18,327	3,400	\$ 21,727
ETD-13	Spokane Electric Network		2,298	\$ 2,298
ETD-14	Storms	883	2,000	\$ 2,883
ETD-16	Substation - Asset Mgmt. Capital Maintenance	3,300	1,551	\$ 4,851
ETD-17	Substation - Capital Spares	1,200	800	\$ 2,000
ETD-18	Substation - Distribution Station Rebuilds	2,865	3,315	\$ 6,180
ETD-19	Substation - New Distribution Stations		2,323	\$ 2,323
ETD-20	Tribal Permits and Settlements	297		\$ 297
ETD-21	Worst Feeders		2,000	\$ 2,000
ETD-24	Franchising for WSDOT		9	\$ 9
ETD-28	Transmission - Asset Management	1,780		\$ 1,780
ETD-30	Transmission - NERC Low Priority Mitigation	3,000		\$ 3,000
ETD-32	SCADA - SOO & BUCC	1,044		\$ 1,044
ETD-34	Noxon Switchyard Rebuild	7,700		\$ 7,700
ETD-35	Street Light Management		1,500	\$ 1,500
ETD-37	Washington AMI		31,000	\$ 31,000
		<b>\$ 41,412</b>	<b>\$ 94,799</b>	<b>\$ 136,211</b>

**Total Non-Revenue Capital** **\$ 323,303**

Growth/Revenue - Producing **\$ 33,407**

**Total Idaho/Oregon Direct Capital Additions 2017** **\$ 9,275**

**Total Capital Additions in 2017** **\$ 365,985**

\* The business cases for these projects are not attached. These projects begin in 2017. The 2017 amounts are not included in this request. More information can be provided upon request.