

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

DOCKET NO. UE-14 _____

DOCKET NO. UG-14 _____

EXHIBIT NO. ____ (DBD-4)

DAVE B. DEFELICE

REPRESENTING AVISTA CORPORATION

Avista 2013 Capital Additions Detail (System)

Exhibit No. ____ (DBD-4)

Exhibit No. ____ (DBD- 5)		<u>\$ (000's)</u>
<u>Attachment No.</u>		
	Generation / Production:	
GP-1	Hydro - Base Load Hydr	\$ 903
GP-2	Hydro - Clark Fork Settlement Agreement	1,719
GP-3	Hydro - Generation Battery Replacement	112
GP-4	Hydro - Hydro Safety Minor Blanke	50
GP-5	Hydro - Little Falls Plant Upgrade	27
GP-6	Hydro - Nine Mile Rehab	990
GP-7	Hydro - Regulating Hydr	3,292
GP-8	Hydro - Spokane River License Implementation	1,860
GP-9	Thermal - Base Load Thermal Plant	4,135
GP-10	Thermal - Peaking Generation	1,000
GP-11	Hydro - Post Falls Intake Gate	1
GP-12	Other - Coyote Springs LTSA	179
GP-13	Other - Rathdrum CT Upgrade Unit	45
		\$ 14,312
	General:	
G-1	Capital Tools & Stores Equipment	\$ 404
G-2	COF Long-Term Restructuring Plan	8,461
G-3	Dollar Rd Service Center Addition & Remodel	213
G-4	Structures and Improvements/Furniture	2,025
G-5	Clinic Expansion Project	150
G-6	Apprentice Training	10
G-7	HVAC Renovation Project	6,507
G-8	Microwave Refresh	3,171
		\$ 20,940
	Natural Gas Distribution:	
NGD-1	Aldyl A Replacement	\$ 8,463
NGD-2	Cathodic Protection	172
NGD-3	Gas Non-Revenue Program	4,728
NGD-4	Gas Reinforcement	395
NGD-5	Gas Replacement Street & Highway	1,938
NGD-6	Gas Telemetry	98
NGD-7	Isolated Steel Replacement	1,121
NGD-8	Overbuilt Pipe Replacement	390
NGD-9	Regulator Station Reliability Replacement	218
NGD-10	Replace Deteriorating Steel Gas Systems	495
		\$ 18,017
	Gas Underground Storage:	
GUS-1	Jackson Prairie Storage	\$ 450
		\$ 450
	Transportation:	
T-1	CNG Fleet Conversion	\$ 932
T-2	Fleet Budget	4,287
		\$ 5,219

Avista 2013 Capital Additions Detail (System)

Exhibit No. ____ (DBD-4)

Exhibit No. ____ (DBD- 5)				
Attachment No.		\$ (000's)		
Enterprise Technology:				
ET-1	AvistaUtilities.com and AvaNet Redesign			\$ 1,000
ET-2	Enterprise Business Continuity Plan			339
ET-3	Mobility in the Field			113
ET-4	Technology Refresh to Sustain Business Process			10,919
ET-5	Customer Information System Replacement			9,184
ET-6	Enterprise Security			1,530
ET-7	Technology Expansion to Enable Business Process			3,311
ET-8	Radio Telephone Communications Console System			(3)
ET-9	High Voltage Protection for Substations			1,457
ET-10	Next Generation Radio Refresh			1,999
				\$ 29,849
Total				
Transmission &				
Distribution				
		Transmission	Distribution	Distribution
ETD-1	Colstrip Transmission/PNACI	\$ 40	\$ -	\$ 40
ETD-2	Distribution Grid Modernization	-	6,630	6,630
ETD-3	Distribution Line Protection	-	253	253
ETD-4	Distribution Minor Rebuild	-	4,792	4,792
ETD-5	Distribution Transformer Change-Out Program	-	813	813
ETD-6	Distribution Wood Pole Management	-	4,435	4,435
ETD-8	Electric Replacement/Relocation	-	1,279	1,279
ETD-9	Environmental Compliance	150	63	213
ETD-10	Primary URD Cable Replacement	-	737	737
ETD-11	Reconductors and Rebuilds	4,271	-	4,271
ETD-12	Segment Reconductor and FDR Tie Program	-	1,473	1,473
ETD-13	Spokane Electric Network	-	1,413	1,413
ETD-14	Storms	1,096	1,888	2,984
ETD-15	Substation - 115 kV Line Relay Upgrades	350	-	350
ETD-16	Substation - Asset Mgmt. Capital Maintenance	1,689	97	1,786
ETD-17	Substation - Capital Spares	464	31	495
ETD-18	Substation - Distribution Station Rebuilds	6	2,460	2,466
ETD-19	Substation - New Distribution Stations	-	373	373
ETD-20	Tribal Permits and Settlements	103	-	103
ETD-21	Worst Feeders	-	500	500
ETD-22	Spokane Valley Transmission Reinforcement	845	151	997
ETD-24	Franchising for WSDOT	-	42	42
ETD-26	Moscow 230 Substation Rebuild	6,686	-	6,686
ETD-27	Smart Grid Demonstration Project	-	360	360
ETD-28	Transmission - Asset Management	546	-	546
ETD-29	Transmission - NERC High Priority Mitigation	1,350	-	1,350
ETD-33	SCADA - SOO & BUCC	133	-	133
ETD-34	Smart Grid Workforce Training Grant - DOE	-	360	360
ETD-35	Spokane Smart Circuit	-	1,104	1,104
ETD-36	Thornton 230 kV Switching Station	14	-	14
ETD-37	Westside Property Purchase	70	-	70
ETD-32 *	Ram Rat 2 US 95 Widening	-	816	816
		\$ 17,813	\$ 30,069	\$ 47,883
Total Non-Revenue Capital				\$ 136,670
Growth/Revenue - Producing				\$ 17,125
Total Idaho Direct Capital Additions 2013				\$ 5,509
Total Oregon Direct Capital Additions 2013				\$ 3,017
Total Capital Additions in 2013				\$ 162,321

* It was determined after finalizing the pro forma cross check analysis, that this business case was inadvertently included in revenue requirement. Therefore, there is no business case attached.

Avista 2014 Capital Additions Detail (System)

Exhibit No. ____ (DBD-4)

Exhibit No. ____ (DBD- 5)		\$ (000's)
Attachment No.	Generation / Production:	
GP-1	Hydro - Base Load Hydr	\$ 1,000
GP-2	Hydro - Clark Fork Settlement Agreement	10,830
GP-3	Hydro - Generation Battery Replacement	100
GP-4	Hydro - Hydro Safety Minor Blanke	65
GP-5	Hydro - Little Falls Plant Upgrade	9,000
GP-6	Hydro - Nine Mile Rehab	9,208
GP-7	Hydro - Regulating Hydro	2,500
GP-8	Hydro - Spokane River License Implementation	4,815
GP-9	Other - Base Load Thermal Plant	2,200
GP-10	Other - Peaking Generation	500
GP-14	Hydro - Long Lake Replace Field Windings	800
GP-15	Hydro - Noxon Spare Coils	1,350
GP-16	Other - CS2 Inlet Air Sys	500
GP-17	Thermal - Colstrip Thermal Capital	8,004
GP-18	Thermal - Kettle Falls Water Supply	1,615
		<u>\$ 52,488</u>
	General:	
G-1	Capital Tools & Stores Equipment	\$ 1,937
G-2	COF Long-Term Restructuring Plan	2,000
G-4	Structures and Improvements/Furniture	3,353
G-6	Apprentice Training	60
G-7	HVAC Renovation Project	2,000
G-8	Microwave Refresh	1,625
G-10	Mechanical Shop 3 Ton Crane	154
G-11	Transmission Outage Management	300
		<u>\$ 11,429</u>
	Natural Gas Distribution:	
NGD-1	Aldyl A Replacement	\$ 16,452
NGD-2	Cathodic Protection	800
NGD-3	Gas Non-Revenue Program	7,402
NGD-4	Gas Reinforcement	1,000
NGD-5	Gas Replacement Street & Highway	4,500
NGD-6	Gas Telemetry	400
NGD-7	Isolated Steel Replacement	2,598
NGD-8	Overbuilt Pipe Replacement	900
NGD-9	Regulator Station Reliability Replacement	600
NGD-10	Replace Deteriorating Steel Gas Systems	800
NGD-12	Gas PMC Program - Capital Replacements	1,000
		<u>\$ 36,453</u>
	Gas Underground Storage:	
GUS-01	Jackson Prairie Storage	\$ 500
		<u>\$ 500</u>
	Transportation:	
T-1	CNG Fleet Conversion	\$ 200
T-2	Fleet Budget	5,586
		<u>\$ 5,786</u>

Avista 2014 Capital Additions Detail (System)

Exhibit No. ____ (DBD-4)

Exhibit No. ____ (DBD- 5)				
Attachment No.		\$ (000's)		
Enterprise Technology:				
ET-1	AvistaUtilities.com and AvaNet Redesign			\$ 1,538
ET-2	Enterprise Business Continuity Plan			482
ET-3	Mobility in the Field			690
ET-4	Technology Refresh to Sustain Business Process			13,862
ET-5	Customer Information System Replacement			67,341
ET-6	Enterprise Security			2,183
ET-7	Technology Expansion to Enable Business Process			3,836
ET-9	High Voltage Protection for Substations			2,014
ET-10	Next Generation Radio Refresh			7,235
ET-11	GridGlo GFX Integration			240
				\$ 99,421
Electric Transmission / Distribution:				
		Transmission	Distribution	Total Transmission & Distribution
ETD-1	Colstrip Transmission/PNACI	\$ 369	\$ -	\$ 369
ETD-2	Distribution Grid Modernization	-	9,450	9,450
ETD-3	Distribution Line Protection	-	250	250
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	-	14,680	14,680
ETD-8	Electric Replacement/Relocation	-	2,300	2,300
ETD-9	Environmental Compliance	100	150	250
ETD-10	Primary URD Cable Replacement	-	1,000	1,000
ETD-11	Reconductors and Rebuilds	9,297	2,500	11,797
ETD-12	Segment Reconductor and FDR Tie Program	-	2,653	2,653
ETD-13	Spokane Electric Network	-	2,300	2,300
ETD-14	Storms	1,100	2,200	3,300
ETD-15	Substation - 115 kV Line Relay Upgrades	950	-	950
ETD-16	Substation - Asset Mgmt. Capital Maintenance	2,600	1,500	4,100
ETD-17	Substation - Capital Spares	750	2,300	3,050
ETD-18	Substation - Distribution Station Rebuilds	500	2,730	3,230
ETD-19	Substation - New Distribution Stations	-	379	379
ETD-20	Tribal Permits and Settlements	495	-	495
ETD-21	Worst Feeders	-	1,500	1,500
ETD-22	Spokane Valley Transmission Reinforcement	1,900	-	1,900
ETD-23	Clearwater Sub Upgrades	2,700	-	2,700
ETD-24	Franchising for WSDOT	-	265	265
ETD-25	Harrington 4 kV Cutover	-	1,000	1,000
ETD-26	Moscow 230 Substation Rebuild	5,853	-	5,853
ETD-27	Smart Grid Demonstration Project	-	525	525
ETD-28	Transmission - Asset Management	1,315	-	1,315
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	1,693	-	1,693
ETD-33	SCADA - SOO & BUCC	1,090	-	1,090
		\$ 32,863	\$ 60,682	\$ 93,545
	Total Non-Revenue Capital			\$ 299,621
	Growth/Revenue - Producing			\$ 26,588
	Total Idaho Direct Capital Additions 2014			\$ 13,626
	Total Oregon Direct Capital Additions 2014			\$ 280
	Total Capital Additions in 2014			\$ 340,115

Avista 2015 Capital Additions Detail (System)

Exhibit No. ____ (DBD-4)

Exhibit No. ____ (DBD- 5) Attachment No.		\$ (000's)
Generation / Production:		
GP-1	Hydro - Base Load Hydr	\$ 1,000
GP-2	Hydro - Clark Fork Settlement Agreement	7,081
GP-3	Hydro - Generation Battery Replacement	183
GP-4	Hydro - Hydro Safety Minor Blanke	70
GP-5	Hydro - Little Falls Plant Upgrade	6,500
GP-6	Hydro - Nine Mile Rehab	47,044
GP-7	Hydro - Regulating Hydr	3,000
GP-8	Hydro - Spokane River License Implementation	462
GP-9	Other - Base Load Thermal Plant	2,200
GP-10	Other - Peaking Generation	500
GP-14	Hydro - Long Lake Replace Field Windings	2,430
GP-17	Thermal - Colstrip Thermal Capital	3,177
GP-19	Hydro - Post Falls South Channel Replacement	11,008
GP-20	Hydro - Cabinet Gorge Unit 1 Refurbishment	11,400
GP-21	Thermal - KFGS Ash Collector	1,907
		\$ 97,962
 General:		
G-1	Capital Tools & Stores Equipment	\$ 2,348
G-2	COF Long-Term Restructuring Plan	1,500
G-4	Structures and Improvements/Furniture	3,600
G-6	Apprentice Training	60
G-7	HVAC Renovation Project	8,000
G-8	Microwave Refresh	1,073
G-12	New Deer Park Service Center	2,500
G-13	COF Long-term Restructure Ph2	2,000
		\$ 21,081
 Natural Gas Distribution:		
NGD-1	Aldyl A Replacement	\$ 16,817
NGD-2	Cathodic Protection	800
NGD-3	Gas Non-Revenue Program	8,925
NGD-4	Gas Reinforcement	1,000
NGD-5	Gas Replacement Street & Highway	4,500
NGD-6	Gas Telemetry	400
NGD-7	Isolated Steel Replacement	2,818
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-14	ERTs Replacement Program	902
NGD-15	Goldendale HP	3,500
NGD-16	Reinforcement, Hwy 2 Kaiser	1,400
		\$ 44,793
 Gas Underground Storage:		
GUS-1	Jackson Prairie Storage	\$ 1,000
		\$ 1,000
 Transportation:		
T-1	CNG Fleet Conversion	\$ 200
T-2	Fleet Budget	6,500
		\$ 6,700

Avista 2015 Capital Additions Detail (System)

Exhibit No. ____ (DBD- 5)				
Attachment No.	Enterprise Technology:	\$ (000's)		
ET-1	AvistaUtilities.com and AvaNet Redesign			\$ 240
ET-2	Enterprise Business Continuity Plan			450
ET-3	Mobility in the Field			420
ET-4	Technology Refresh to Sustain Business Process			19,362
ET-6	Enterprise Security			2,185
ET-7	Technology Expansion to Enable Business Process			5,799
ET-9	High Voltage Protection for Substations			320
ET-10	Next Generation Radio Refresh			27
ET-12	Asset Facilities Management Application Migration			8,350
ET-13	Financial Forecast Model			500
				\$ 37,653
Electric Transmission / Distribution:				
		Total Transmission		
		Transmission	Distribution	& Distribution
ETD-1	Colstrip Transmission/PNACI	\$ 208	\$ -	\$ 208
ETD-2	Distribution Grid Modernization	-	13,500	13,500
ETD-3	Distribution Line Protection	-	125	125
ETD-4	Distribution Minor Rebuild	-	8,300	8,300
ETD-5	Distribution Transformer Change-Out Program	-	6,900	6,900
ETD-6	Distribution Wood Pole Management	-	15,873	15,873
ETD-8	Electric Replacement/Relocation	-	2,400	2,400
ETD-9	Environmental Compliance	100	150	250
ETD-10	Primary URD Cable Replacement	-	1,000	1,000
ETD-11	Reconductors and Rebuilds	18,888	2,500	21,388
ETD-12	Segment Reconductor and FDR Tie Program	-	3,074	3,074
ETD-13	Spokane Electric Network	-	2,300	2,300
ETD-14	Storms	1,100	2,300	3,400
ETD-15	Substation - 115 kV Line Relay Upgrades	900	-	900
ETD-16	Substation - Asset Mgmt. Capital Maintenance	2,600	1,500	4,100
ETD-17	Substation - Capital Spares	7,745	800	8,545
ETD-18	Substation - Distribution Station Rebuilds	-	3,125	3,125
ETD-19	Substation - New Distribution Stations	-	2,045	2,045
ETD-20	Tribal Permits and Settlements	1,430	-	1,430
ETD-21	Worst Feeders	-	2,000	2,000
ETD-22	Spokane Valley Transmission Reinforcement	600	-	600
ETD-23	Clearwater Sub Upgrades	500	-	500
ETD-24	Franchising for WSDOT	-	195	195
ETD-25	Harrington 4 kV Cutover	-	2,000	2,000
ETD-28	Transmission - Asset Management	1,370	-	1,370
ETD-30	Transmission - NERC Low Priority Mitigation	500	-	500
ETD-31	Transmission - NERC Medium Priority Mitigation	3,294	-	3,294
ETD-33	SCADA - SOO & BUCC	515	-	515
ETD-38	Customer Prepay	-	1,997	1,997
ETD-39	Noxon Switchyard Rebuild	8,425	-	8,425
ETD-40	Street Light Management	-	2,320	2,320
		\$ 48,175	\$ 74,403	\$ 122,578
	Total Non-Revenue Capital			\$ 331,767
	Growth/Revenue - Producing			\$ 30,567
	Total Idaho Direct Capital Additions 2015			\$ 11,776
	Total Capital Additions in 2015			\$ 374,110

Avista 2016 Capital Additions Detail (System)

Exhibit No. ____ (DBD-4)

Exhibit No. ____ (DBD- 5)		\$ (000's)
<u>Attachment No.</u>		
Generation / Production:		
GP-1	Hydro - Base Load Hydr	\$ 1,000
GP-2	Hydro - Clark Fork Settlement Agreemen	21,946
GP-3	Hydro - Generation Battery Replacement	115
GP-4	Hydro - Hydro Safety Minor Blanke	75
GP-5	Hydro - Little Falls Plant Upgrade	9,000
GP-6	Hydro - Nine Mile Rehab	13,801
GP-7	Hydro - Regulating Hydr	3,000
GP-8	Hydro - Spokane River License Implementation	16,222
GP-9	Other - Base Load Thermal Plant	2,205
GP-10	Other - Peaking Generation	500
GP-14	Hydro - Long Lake Replace Field Windings	170
GP-17	Thermal - Colstrip Thermal Capital	5,836
GP-22	Hydro - Cabinet Gorge Automation Replacement	715
GP-23	Hydro - Long Lake Plant Upgrades	605
		<u>\$ 75,191</u>
 General:		
G-1	Capital Tools & Stores Equipment	\$ 2,466
G-2	COF Long-Term Restructuring Plan	3,500
G-3	Dollar Rd Service Center Addition & Remodel	8,000
G-4	Structures and Improvements/Furniture	3,600
G-6	Apprentice Training	60
G-8	Microwave Refresh	4,034
G-13	COF Long-term Restructure Ph2	6,500
G-14	Jack Stewart Training Center Expansion	4,500
		<u>\$ 32,660</u>
 Natural Gas Distribution:		
NGD-1	Aldyl A Replacement	\$ 17,885
NGD-2	Cathodic Protection	800
NGD-3	Gas Non-Revenue Program	9,108
NGD-4	Gas Reinforcement	1,000
NGD-5	Gas Replacement Street & Highway	4,500
NGD-6	Gas Telemetry	400
NGD-7	Isolated Steel Replacement	2,818
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	1,061
NGD-14	ERTs Replacement Program	944
		<u>\$ 41,217</u>
 Gas Underground Storage:		
GUS-1	Jackson Prairie Storage	1,000
		<u>\$ 1,000</u>
 Transportation:		
T-1	CNG Fleet Conversion	\$ 200
T-2	Fleet Budget	6,500
		<u>\$ 6,700</u>

Avista 2016 Capital Additions Detail (System)

Exhibit No. ____ (DBD- 5)				
<u>Attachment No.</u>	Enterprise Technology:	<u>\$ (000's)</u>		
ET-2	Enterprise Business Continuity Plan			\$ 450
ET-3	Mobility in the Field			320
ET-4	Technology Refresh to Sustain Business Process			19,362
ET-6	Enterprise Security			2,186
ET-7	Technology Expansion to Enable Business Process			6,060
ET-9	High Voltage Protection for Substations			320
ET-12	Asset Facilities Management Application Migration			10,000
				<u>\$ 38,699</u>
Electric Transmission / Distribution:				
		<u>Transmission</u>	<u>Distribution</u>	<u>Total Transmission & Distribution</u>
ETD-1	Colstrip Transmission/PNACI	\$ 215	\$ -	\$ 215
ETD-2	Distribution Grid Modernization	-	21,000	21,000
ETD-3	Distribution Line Protection	-	125	125
ETD-4	Distribution Minor Rebuild	-	8,300	8,300
ETD-5	Distribution Transformer Change-Out Program	-	5,800	5,800
ETD-6	Distribution Wood Pole Management	-	16,093	16,093
ETD-8	Electric Replacement/Relocation	-	2,500	2,500
ETD-9	Environmental Compliance	100	150	250
ETD-11	Reconductors and Rebuilds	22,136	2,500	24,636
ETD-12	Segment Reconductor and FDR Tie Program	-	2,702	2,702
ETD-13	Spokane Electric Network	-	2,300	2,300
ETD-14	Storms	1,200	2,300	3,500
ETD-15	Substation - 115 kV Line Relay Upgrades	850	-	850
ETD-16	Substation - Asset Mgmt. Capital Maintenance	2,600	1,500	4,100
ETD-17	Substation - Capital Spares	1,800	765	2,565
ETD-18	Substation - Distribution Station Rebuilds	2,150	4,720	6,870
ETD-20	Tribal Permits and Settlements	315	-	315
ETD-21	Worst Feeders	-	2,000	2,000
ETD-22	Spokane Valley Transmission Reinforcement	6,440	-	6,440
ETD-23	Clearwater Sub Upgrades	500	-	500
ETD-24	Franchising for WSDOT	-	125	125
ETD-28	Transmission - Asset Management	1,425	-	1,425
ETD-30	Transmission - NERC Low Priority Mitigation	2,500	-	2,500
ETD-31	Transmission - NERC Medium Priority Mitigation	2,251	-	2,251
EDT-33	SCADA - SOO & BUCC	435	-	435
ETD-39	Noxon Switchyard Rebuild	500	-	500
ETD-40	Street Light Management	-	2,320	2,320
		<u>\$ 45,417</u>	<u>\$ 75,199</u>	<u>\$ 120,616</u>
	Total Non-Revenue Capital			<u>\$ 316,082</u>
	Growth/Revenue - Producing			<u>\$ 31,874</u>
	Total Idaho Direct Capital Additions 2016			<u>\$ 13,576</u>
	Total Capital Additions in 2016			<u>\$ 361,532</u>