

DAVID J. MEYER
VICE PRESIDENT AND CHIEF COUNSEL FOR
REGULATORY & GOVERNMENTAL AFFAIRS
AVISTA CORPORATION
P.O. BOX 3727
1411 EAST MISSION AVENUE
SPOKANE, WASHINGTON 99220-3727
TELEPHONE: (509) 495-4316
FACSIMILE: (509) 495-8851
DAVID.MEYER@AVISTACORP.COM

BEFORE THE IDAHO PUBLIC UTILITIES COMMISSION

IN THE MATTER OF THE APPLICATION) CASE NO. AVU-E-17-01
OF AVISTA CORPORATION FOR THE) CASE NO. AVU-G-17-01
AUTHORITY TO INCREASE ITS RATES)
AND CHARGES FOR ELECTRIC AND)
NATURAL GAS SERVICE TO ELECTRIC) Exhibit No. 11
AND NATURAL GAS CUSTOMERS IN THE)
STATE OF IDAHO) KAREN K. SCHUH
)

FOR AVISTA CORPORATION

(ELECTRIC AND NATURAL GAS)

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

Generation / Production (SKJ-1T)	\$ (000's)
Asset Condition:	
Automation Replacement	\$ 500
Cabinet Gorge Automation Replacement	330
Cabinet Gorge Unit 1 Refurbishment	4
Generation DC Supplied System Upgrade	1,220
Kettle Falls Stator Rewind	6,316
Little Falls Plant Upgrade	10,481
Long Lake Plant Upgrades	78
Nine Mile Rehab	9,526
Noxon Station Service	2,503
Peaking Generation	500
Post Falls Redevelopment	1
Purchase Certified Rebuilt Cat D10R Dozer	814
Replace Cabinet Gorge Gantry Crane	74
Failed Plant and Operations:	
Base Load Hydro	1,401
Base Load Thermal Plant	2,494
Regulating Hydro	6,131
Mandatory and Compliance	
Colstrip Thermal Capital	9,500
Clark Fork Settlement Agreement	7,394
Hydro Safety Minor Blanket	350
Kettle Falls RO System	4,510
Spokane River License Implementation	2,007
	<u>\$ 66,135</u>
General (HLR-1T):	
Asset Condition	
COF Long-Term Restructuring Plan	\$ 2,064
Dollar Rd Service Center Addition and Remodel	\$ 321
Noxon & Clark Fork Living Facilities	1,411
Structures and Improvements/Furniture	3,294
Customer Service Quality and Reliability	
Meter Data Management System	24,745
Failed Plant and Operations	
Capital Tools & Stores Equipment	2,712
Performance and Capacity	
New Downtown Netwk Bldg	6,559
COF Long-Term Restructuring Plan 2	13,695
Apprentice Training	60
CNG Fleet Conversion	52
Company Aircraft Capital	296
Ergonomic Equipment	616
New Airport Hangar	1,500
New Deer Park Service Center	6
	<u>\$ 57,330</u>
Natural Gas Distribution (HLR-1T):	
Asset Condition	
Gas Deteriorated Steel Pipe Replacement Program	\$ 1,001
Gas ERT Replacement Program	240
Gas Regulator Stn Replacement Program	1,376
Customer Requested	
New Revenue - Growth	23,099
Failed Plant and Operations	
Gas Non-Revenue Program	6,096
Mandatory and Compliance	
Gas Cathodic Protection Program	900
Gas Facilities Replacement Program (Aldyl A)	21,764
Gas HP Pipeline Remediation Program	5,275
Gas Isolated Steel Replacement Program	2,050
Gas N-S Corridor Greene St HP Main Project	113
Gas Overbuilt Pipe Replacement Program	500
Gas PMC Program	1,200
Gas Replacement Street and Highway Program	3,319
Performance and Capacity	
Gas N Spokane Hwy 2 HP Main Reinforcement Project	342
Gas Reinforcement Program	1,000
Gas Telemetry Program	209
	<u>\$ 68,484</u>

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

Other Plant (HLR-1T):		\$ (000's)		
Mandatory and Compliance				
	Jackson Prairie Storage			\$ 1,718
Asset Condition				
	Fleet Budget			\$ 7,898
				<u>\$ 9,616</u>
Enterprise Technology (JMK-1T):				
Asset Condition				
	Microwave Refresh			\$ 5,322
	Project Atlas			6,563
	Technology Refresh to Sustain Business Process			21,191
Customer Service Quality and Reliability				
	AvistaUtilities.com Redesign			9,093
	Customer Facing Technology			1,830
Mandatory and Compliance				
	High Voltage Protection for Substations			937
	Next Generation Radio Refresh			102
Performance and Capacity				
	Enterprise Business Continuity Plan			665
	Enterprise Security			3,816
	Technology Expansion to Enable Business Process			13,941
				<u>\$ 63,461</u>
				Total
				Transmission
				&
				Distribution
Electric Transmission / Distribution (HLR-1T):		Transmission	Distribution	Distribution
Asset Condition				
	SCADA - SOO & BUCC	\$ 1,270		\$ 1,270
	Substation - Station Rebuilds	17,524		17,524
	Transmission Minor Rebuild	5,132		5,132
	Transmission Major Rebuild - Asset Condition	9,536		9,536
	Distribution Transformer Change-Out Program		3,000	3,000
	Distribution Grid Modernization		15,051	15,051
	Distribution Wood Pole Management		9,000	9,000
	Primary URD Cable Replacement		503	503
Customer Requested				
	Growth - Hallet and White	1,458		1,458
	New Revenue - Growth		23,775	23,775
Failed Plant and Operations				
	Electric Storms	3,183		3,183
	Distribution Minor Rebuild		9,105	9,105
	Meter Minor Blanket		505	505
	Spokane Electric Network		2,605	2,605
Mandatory and Compliance				
	Colstrip Transmission	325		325
	Environmental Compliance	72	350	422
	Garden Springs 230/115kV Station Integration	56		56
	Noxon Switchyard Rebuild	2,504		2,504
	S Region Voltage Control	5,733		5,733
	Spokane Valley Transmission Reinforcement	374		374
	Transmission - NERC Low Priority Mitigation	2,014		2,014
	Transmission - NERC Medium Priority Mitigation	2,000		2,000
	Transmission Construction - Compliance	15,309		15,309
	Tribal Permits and Settlements	621		621
	Westside 230/115kV Station Rebuild	5,566		5,566
	Elec Replacement/Relocation		2,600	2,600
	Franchising for WSDOT		1,594	1,594
Performance and Capacity				
	Substation - Capital Spares	4,204		4,204
	Substation - New Distribution Stations	2,424		2,424
	LED Change Out Program		2,900	2,900
	Segment Reconductor and FDR Tie Program		6,587	6,587
		<u>\$ 79,303</u>	<u>\$ 77,575</u>	<u>\$ 156,878</u>
Total Capital				<u>\$ 421,903</u>
Total Idaho Direct Capital Additions 2017				<u>\$ 4,426</u>
Total Oregon Direct Capital Additions 2017				<u>\$ 3,901</u>
Total Capital Additions in 2017				<u>\$ 430,230</u>

**Avista 2018 Capital Additions Detail (System)
(Transfers to Plant)**

	<u>\$ (000's)</u>
Generation / Production (SKJ-1T)	
Asset Condition:	
Automation Replacement	\$ 450
Cabinet Gorge Automation Replacement	2,093
Replacement	2,137
Generation DC Supplied System Upgrade	1,646
Kettle Falls CT Control Upgrade	669
Little Falls Plant Upgrade	16,444
Long Lake Plant Upgrades	3,950
Nine Mile Rehab	2,213
Noxon Station Service	1,290
Peaking Generation	500
Post Falls Redevelopment	4,500
Replace Cabinet Gorge Gantry Crane	3,637
Failed Plant and Operations:	
Base Load Hydro	1,149
Base Load Thermal Plant	2,200
Regulating Hydro	3,533
Mandatory and Compliance	
Colstrip Thermal Capital	4,420
Clark Fork Settlement Agreement	6,052
Hydro Safety Minor Blanket	50
Spokane River License Implementation	2,786
	<u>\$ 59,718</u>
General (HLR-1T):	
Asset Condition	
Dollar Rd Service Center Addition and Remodel	\$ 17,710
Noxon & Clark Fork Living Facilities	1,563
Structures and Improvements/Furniture	3,600
Failed Plant and Operations	
Capital Tools & Stores Equipment	2,400
Performance and Capacity	
Apprentice Training	60
COF LngTrm Restruct Ph2	10,000
Company Aircraft Capital	3,000
Ergonomic Equipment	300
New Deer Park Service Center	6,247
	<u>\$ 44,880</u>
Natural Gas Distribution (HLR-1T):	
Asset Condition	
Gas Deteriorated Steel Pipe Replacement Program	\$ 1,000
Gas ERT Replacement Program	260
Gas Regulator Stn Replacement Program	800
Customer Requested	
New Revenue - Growth	22,239
Failed Plant and Operations	
Gas Non-Revenue Program	6,000
Mandatory and Compliance	
Gas Cathodic Protection Program	700
Gas Facilities Replacement Program (Aldyl A)	20,700
Gas HP Pipeline Remediation Program	2,925
Gas Isolated Steel Replacement Program	2,000
Gas Overbuilt Pipe Replacement Program	500
Gas PMC Program	1,200
Gas Replacement Street and Highway Program	3,000
Performance and Capacity	
Gas Reinforcement Program	1,000
Gas Telemetry Program	200
	<u>\$ 62,524</u>

**Avista 2018 Capital Additions Detail (System)
(Transfers to Plant)**

Other Plant (HLR-1T):		\$ (000's)	
Mandatory and Compliance			
Jackson Prairie Storage		\$ 1,562	
Asset Condition			
Fleet Budget		7,850	
		<u>\$ 9,412</u>	
Enterprise Technology (JMK-1T):			
Asset Condition			
Microwave Refresh		\$ 2,100	
Project Atlas		9,734	
Technology Refresh to Sustain Business Process		16,957	
Customer Service Quality and Reliability			
Customer Facing Technology		2,237	
Mandatory and Compliance			
High Voltage Protection for Substations		30	
Performance and Capacity			
Enterprise Business Continuity Plan		486	
Enterprise Security		3,639	
Technology Expansion to Enable Business Process		14,350	
		<u>\$ 49,534</u>	
		Total	
		Transmission & Distribution	
Electric Transmission / Distribution (HLR-1T):			
	Transmission	Distribution	Distribution
Asset Condition			
SCADA - SOO & BUCC	\$ 920		\$ 920
Substation - Station Rebuilds	7,867		7,867
Transmission Minor Rebuild	1,843		1,843
Transmission Major Rebuild - Asset Condition	12,025		12,025
Distribution Transformer Change-Out Program		1,200	1,200
Distribution Grid Modernization		13,929	13,929
Distribution Wood Pole Management		9,500	9,500
Primary URD Cable Replacement		1,000	1,000
Customer Requested			
Growth - Hallet and White	1,409		1,409
New Revenue - Growth		23,249	23,249
Failed Plant and Operations			
Electric Storms	3,278		3,278
Distribution Minor Rebuild		8,900	8,900
Meter Minor Blanket		300	300
Spokane Electric Network		2,300	2,300
Mandatory and Compliance			
Colstrip Transmission	449		449
Environmental Compliance	50	350	400
Saddle Mountain 230/115kV Station Integration	1,500		1,500
Spokane Valley Transmission Reinforcement	7,750		7,750
Transmission - NERC Low Priority Mitigation	1,500		1,500
Transmission Construction - Compliance	13,159		13,159
Tribal Permits and Settlements	250		250
Elec Replacement/Relocation		2,700	2,700
Franchising for WSDOT		200	200
Performance and Capacity			
SCADA Build-Out Program	2,500		2,500
Substation - Capital Spares	5,065		5,065
Substation - New Distribution Stations	850		850
LED Change Out Program		2,000	2,000
Segment Reconductor and FDR Tie Program		4,900	4,900
	<u>\$ 60,416</u>	<u>\$ 70,528</u>	<u>\$ 130,944</u>
Total Capital			<u>\$ 357,013</u>
Total Idaho Direct Capital Additions 2018			<u>\$ 1,500</u>
Total Oregon Direct Capital Additions 2018			<u>\$ 4,000</u>
Total Capital Additions in 2018			<u>\$ 362,513</u>

Avista 2019 Capital Additions Detail (System)
(Transfers to Plant)

	<u>\$ (000's)</u>
Generation / Production (SKJ-1T)	
Asset Condition:	
Automation Replacement	\$ 600
Generation DC Supplied System Upgrade	750
Long Lake Plant Upgrades	5,000
Nine Mile Rehab	16,210
Peaking Generation	500
Post Falls Redevelopment	7,200
Failed Plant and Operations:	
Base Load Hydro	1,149
Base Load Thermal Plant	2,200
Regulating Hydro	3,533
Mandatory and Compliance	
Colstrip Thermal Capital	10,370
Clark Fork Settlement Agreement	39,097
Hydro Safety Minor Blanket	55
Spokane River License Implementation	533
	<u>\$ 87,196</u>
General (HLR-1T):	
Asset Condition	
Structures and Improvements/Furniture	\$ 3,600
Failed Plant and Operations	
Capital Tools & Stores Equipment	2,400
Performance and Capacity	
Apprentice Training	60
	<u>\$ 6,060</u>
Natural Gas Distribution (HLR-1T):	
Asset Condition	
Gas Deteriorated Steel Pipe Replacement Program	\$ 1,000
Gas ERT Replacement Program	280
Gas Regulator Stn Replacement Program	800
Customer Requested	
New Revenue - Growth	22,941
Failed Plant and Operations	
Gas Non-Revenue Program	6,000
Mandatory and Compliance	
Gas Cathodic Protection Program	700
Gas Facilities Replacement Program (Aldyl A)	21,160
Gas HP Pipeline Remediation Program	3,013
Gas Isolated Steel Replacement Program	2,000
Gas Overbuilt Pipe Replacement Program	500
Gas PMC Program	1,200
Gas Replacement Street and Highway Program	3,000
Performance and Capacity	
Cheney HP Reinforcement	5,000
Gas Reinforcement Program	1,000
Gas Telemetry Program	200
Gas Warden HP Reinforcement	6,000
	<u>\$ 74,793</u>
Other Plant (HLR-1T):	
Mandatory and Compliance	
Jackson Prairie Storage	\$ 1,483
Asset Condition	
Fleet Budget	7,850
	<u>\$ 9,333</u>

**Avista 2019 Capital Additions Detail (System)
(Transfers to Plant)**

Enterprise Technology (JMK-1T):		\$ (000's)	
Asset Condition			
Microwave Refresh			\$ 2,100
Project Atlas			807
Technology Refresh to Sustain Business Process			14,140
Customer Service Quality and Reliability			
Customer Facing Technology			1,900
Performance and Capacity			
Enterprise Business Continuity Plan			450
Enterprise Security			1,710
Technology Expansion to Enable Business Process			12,315
			\$ 33,422
			Total
			Transmission
			&
			Distribution
Electric Transmission / Distribution (HLR-1T):	Transmission	Distribution	Distribution
			Distribution
Asset Condition			
SCADA - SOO & BUCC	\$ 1,013		\$ 1,013
Substation - Station Rebuilds	15,800		15,800
Transmission Minor Rebuild	1,908		1,908
Transmission Major Rebuild - Asset Condition	11,000		11,000
Distribution Transformer Change-Out Program		1,200	1,200
Distribution Grid Modernization		14,333	14,333
Distribution Wood Pole Management		9,500	9,500
Primary URD Cable Replacement		1,000	1,000
Customer Requested			
New Revenue - Growth		22,668	22,668
Failed Plant and Operations			
Electric Storms	3,377		3,377
Distribution Minor Rebuild		8,900	8,900
Meter Minor Blanket		300	300
Spokane Electric Network		2,300	2,300
Mandatory and Compliance			
Colstrip Transmission	391		391
Environmental Compliance	50	350	400
Garden Springs 230/115kV Station Integration	725		725
Saddle Mountain 230/115kV Station Integration	14,500		14,500
Transmission - NERC Low Priority Mitigation	1,500		1,500
Transmission Construction - Compliance	13,000		13,000
Tribal Permits and Settlements	150		150
Elec Replacement/Relocation		2,800	2,800
Franchising for WSDOT		200	200
Performance and Capacity			
SCADA Build-Out Program	6,000		6,000
Substation - Capital Spares	4,025		4,025
Substation - New Distribution Stations	6,375		6,375
LED Change Out Program		2,320	2,320
Segment Reconductor and FDR Tie Program		5,001	5,001
	\$ 79,814	\$ 70,871	\$ 150,685
Total Capital Additions in 2019			\$ 361,489