

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

DOCKET NO. UE-22 \_\_\_\_\_

DOCKET NO. UG-22 \_\_\_\_\_

EXH. JBB-3

JUSTIN A BALDWIN-BONNEY

REPRESENTING AVISTA CORPORATION

# Summary of the Capital Additions

Exh. JBB-3

<b>Business Case</b>	<b>Witness</b>	<b>2021 TTP (System)</b>
<b>Electric</b>		
Automation Replacement	Exh. JRT-1T	632,112
Base Load Hydro	Exh. JRT-1T	639,601
Base Load Thermal Program	Exh. JRT-1T	2,501,333
Cabinet Gorge 15 kV Bus Replacement	Exh. JRT-1T	394,671
Cabinet Gorge Dam Fishway	Exh. JRT-1T	126,550
Cabinet Gorge Unit 3 Protection & Control Upgrade	Exh. JRT-1T	3,073,449
Cabinet Gorge Unit 4 Protection & Control Upgrade	Exh. JRT-1T	2,714,355
Clark Fork Settlement Agreement	Exh. JRT-1T	5,477,022
Clearwater Wind Generation Interconnection	Exh. HLR-1T	1,665
Colstrip 3&4 Capital Projects	Exh. JRT-1T	3,437,852
Colstrip Transmission	Exh. HLR-1T	557,181
Coyote Springs LTSA	Exh. JRT-1T	15,898,972
CS2 Single Phase Transformer	Exh. JRT-1T	17,052,971
Distribution Grid Modernization	Exh. HLR-1T	1,439,020
Distribution Minor Rebuild	Exh. HLR-1T	10,704,598
Distribution System Enhancements	Exh. HLR-1T	10,882,898
Distribution Transformer Change Out Program	Exh. HLR-1T	146,381
Downtown Network - Asset Condition	Exh. HLR-1T	1,739,460
Downtown Network - Performance & Capacity	Exh. HLR-1T	1,802,785
Elec Relocation and Replacement Program	Exh. HLR-1T	5,290,025
Electric Storm	Exh. HLR-1T	16,878,877
Electric Transportation	Exh. KEM-1T	613,147
Energy Imbalance Market	Exh. SJK-1T	10,554,903
Generation DC Supplied System Update	Exh. JRT-1T	6,864
HMI Control Software	Exh. JRT-1T	3,055,633

# Summary of the Capital Additions

Exh. JBB-3

<b>Business Case</b>	<b>Witness</b>	<b>2021 TTP (System)</b>
Hydro Safety Minor Blanket	Exh. JRT-1T	49,317
Joint Use	Exh. HLR-1T	2,140,043
LED Change-Out Program	Exh. HLR-1T	249,741
Little Falls Plant Upgrade	Exh. JRT-1T	1,680,999
Long Lake Plant Upgrade	Exh. JRT-1T	2,264,782
Meter Minor Blanket	Exh. HLR-1T	258,680
New Revenue - Growth	Exh. HLR-1T	44,512,539
Peaking Generation Business Case	Exh. JRT-1T	598,839
Post Falls Landing and Crane Pad Development	Exh. JRT-1T	3,508,167
Primary URD Cable Replacement	Exh. HLR-1T	30,463
Protection System Upgrade for PRC-002	Exh. HLR-1T	6,275,878
Regulating Hydro	Exh. JRT-1T	3,367,438
Saddle Mountain 230/115kV Station (New) Integration Project Phase 1	Exh. HLR-1T	2,345,100
Saddle Mountain 230/115kV Station (New) Integration Project Phase 2	Exh. HLR-1T	16,997,122
SCADA - SOO and BuCC	Exh. HLR-1T	1,768,448
Spokane River License Implementation	Exh. JRT-1T	904,651
Spokane Smart Circuit	Exh. HLR-1T	550,569
Spokane Valley Transmission Reinforcement Project	Exh. HLR-1T	15,066,069
Strategic Initiatives	Exh. JRT-1T	3,373,971
Substation - New Distribution Station Capacity Program	Exh. HLR-1T	2,154,498
Substation - Station Rebuilds Program	Exh. HLR-1T	4,928,628
Transmission - Minor Rebuild	Exh. HLR-1T	3,758,818
Transmission Construction - Compliance	Exh. HLR-1T	2,133,304
Transmission Major Rebuild - Asset Condition	Exh. HLR-1T	16,128,097
Transmission NERC Low-Risk Priority Lines Mitigation	Exh. HLR-1T	1,025,277
Use Permits	Exh. JRT-1T	27,142
Westside 230/115kV Station Brownfield Rebuild Project	Exh. HLR-1T	7,019,954
Wildfire Resiliency Plan	Exh. DRH-1T	17,278,280
Wood Pole Management	Exh. HLR-1T	14,411,440
WSDOT Control Zone Mitigation	Exh. HLR-1T	505,854
WSDOT Franchises	Exh. JRT-1T	20,525
<b>Total 2021 Electric Additions</b>		<b>290,956,958</b>

# Summary of the Capital Additions

Exh. JBB-3

Business Case	Witness	2021 TTP (System)
<b>General Plant</b>		
Apprentice/Craft Training	Exh. HLR-1T	76,115
Atlas	Exh. JMK-1T	2,616,023
Basic Workplace Technology Delivery	Exh. JMK-1T	1,176,219
Capital Tools & Stores	Exh. HLR-1T	2,436,781
Customer Experience Platform Program	Exh. KEM-1T	6,859,033
Customer Facing Technology Program	Exh. KEM-1T	3,151,975
Customer Transactional Systems	Exh. KEM-1T	4,413,057
Data Center Compute and Storage Systems	Exh. JMK-1T	755,378
Digital Grid Network	Exh. JMK-1T	4,225,030
Endpoint Compute and Productivity Systems	Exh. JMK-1T	2,675,401
Energy Delivery Modernization & Operational Efficiency	Exh. JMK-1T	5,109,410
Energy Delivery Operational Efficiency & Shared Services	Exh. JMK-1T	648,749
Energy Resources Modernization & Operational Efficiency	Exh. JMK-1T	1,801,118
Enterprise & Control Network Infrastructure	Exh. JMK-1T	7,464,532
Enterprise Business Continuity	Exh. JMK-1T	171,368
Enterprise Communication Systems	Exh. JMK-1T	3,497,771
Enterprise Data Science	Exh. JMK-1T	21,497
Enterprise Security	Exh. JMK-1T	3,016,699
Environmental Control & Monitoring Systems	Exh. JMK-1T	770,888
ET Modernization & Operational Efficiency - Technology	Exh. JMK-1T	2,028,219
Facilities and Storage Location Security	Exh. JMK-1T	293,841
Fiber Network Lease Service Replacement	Exh. JMK-1T	2,117,782
Financial & Accounting Technology	Exh. JMK-1T	4,542,932
Fleet Services Capital Plan	Exh. HLR-1T	5,533,378
Gas Operator Qualification Compliance	Exh. HLR-1T	49,470
Generation, Substation & Gas Location Security	Exh. JMK-1T	2,070,675
High Voltage Protection (HVP) Refresh	Exh. JMK-1T	98,382
Human Resources Technology	Exh. JMK-1T	184,769
Jackson Prairie Joint Project	Exh. HLR-1T	2,197,634
Land Mobile Radio & Real Time Communication Systems	Exh. JMK-1T	663,532
Legal & Compliance Technology	Exh. JMK-1T	134,675
NERC CIP Compliance	Exh. JMK-1T	77,500
Payment Card Industry Compliance (PCI)	Exh. JMK-1T	595,565
Strategic Initiatives	Exh. HLR-1T	(271,509)
Structures and Improvements/Furniture	Exh. HLR-1T	3,597,435
Technology Failed Assets	Exh. JMK-1T	540,472
Technology Refresh to Sustain Business Process	Exh. JMK-1T	812,952
Telematics 2025	Exh. HLR-1T	959,250
Washington Advanced Metering Infrastructure Project	Exh. HLR-1T	2,430,992
<b>Total 2021 General Additions</b>		<b>79,544,990</b>

# Summary of the Capital Additions

Exh. JBB-3

Business Case	Witness	2021 TTP (System)
<b>Gas</b>		
Gas Cathodic Protection Program	Exh. HLR-1T	94,812
Gas Cheney HP Reinforcement	Exh. HLR-1T	2,841,302
Gas Facility Replacement Program (GFRP) Aldyl A Pipe Replacement	Exh. HLR-1T	22,555,185
Gas HP Pipeline Remediation Program	Exh. HLR-1T	706,188
Gas Isolated Steel Replacement Program	Exh. HLR-1T	1,041,477
Gas Non-Revenue Program	Exh. HLR-1T	9,538,316
Gas Overbuilt Pipe Replacement Program	Exh. HLR-1T	204,526
Gas PMC Program	Exh. HLR-1T	2,507,677
Gas Regulator Station Replacement Program	Exh. HLR-1T	1,161,440
Gas Reinforcement Program	Exh. HLR-1T	883,675
Gas Replacement Street and Highway Program	Exh. HLR-1T	3,345,236
Gas Telemetry Program	Exh. HLR-1T	219,574
New Revenue - Growth	Exh. HLR-1T	34,169,147
<b>Total 2021 Gas Additions</b>		<b>79,268,555</b>
<b>Total 2021 Capital Additions (System)</b>		
<b>- Excluding Idaho and Oregon Specific</b>		<b>449,770,503</b>

# Summary of the Capital Additions

Exh. JBB-3

Category	Business Case	Witness	Transfer To Plant *	2022	2023	2024
<b>Short-Lived Assets</b>						
	Atlas	Exh. JMK-1T	Ongoing through period	1,452,641	2,948,867	2,119,113
	Basic Workplace Technology Delivery	Exh. JMK-1T	Ongoing through period	813,479	800,005	800,003
	Control and Safety Network Infrastructure	Exh. JMK-1T	March 2022	1,324,039	1,282,468	1,485,787
	Customer Experience Platform Program	Exh. KEM-1T	Ongoing through period	5,999,915	6,300,000	6,300,000
	Customer Facing Technology Program	Exh. KEM-1T	Ongoing through period	4,078,651	4,699,999	4,700,000
	Customer Transactional Systems	Exh. KEM-1T	Ongoing through period	3,859,166	3,500,000	3,749,987
	Data Center Compute and Storage Systems	Exh. JMK-1T	Ongoing through period	1,260,205	2,063,801	1,972,626
	Endpoint Compute and Productivity Systems	Exh. JMK-1T	Ongoing through period	3,498,321	3,416,996	5,681,768
	Energy Delivery Modernization & Operational Efficiency	Exh. JMK-1T	Ongoing through period	5,560,672	3,449,859	5,789,674
	Energy Resources Modernization & Operational Efficiency	Exh. JMK-1T	Ongoing through period	2,727,599	2,679,478	2,695,981
	Enterprise Business Continuity	Exh. JMK-1T	Ongoing through period	93,045	422,064	100,000
	Enterprise Communication Systems	Exh. JMK-1T	Ongoing through period	1,472,733	2,482,488	2,115,997
	Enterprise Network Infrastructure	Exh. JMK-1T	April 2022	2,235,285	2,341,928	1,544,361
	Enterprise Security	Exh. JMK-1T	Ongoing through period	972,340	1,137,498	1,400,499
	ET Modernization & Operational Efficiency - Technology	Exh. JMK-1T	Ongoing through period	1,564,548	2,002,429	2,053,458
	Facilities and Storage Location Security	Exh. JMK-1T	Ongoing through period	210,919	489,088	345,587
	Financial & Accounting Technology	Exh. JMK-1T	Ongoing through period	1,788,284	2,775,001	2,150,001
	Generation, Substation & Gas Location Security	Exh. JMK-1T	Ongoing through period	332,159	459,001	545,002
	Human Resources Technology	Exh. JMK-1T	Ongoing through period	499,529	500,002	500,000
	Legal & Compliance Technology	Exh. JMK-1T	Ongoing through period	400,015	413,072	339,598
	Network Backbone	Exh. JMK-1T	April 2022	188,444	3,879,878	3,686,842
	Outage Management System & Advanced Distribution Management System (OMS & ADMS)	Exh. JMK-1T	September 2023	-	10,000,000	15,000,000
	<b>Total Short-Lived Assets Additions</b>			<b>40,331,989</b>	<b>58,043,922</b>	<b>65,076,284</b>
<b>Programs</b>						
	Automation Replacement	Exh. JRT-1T	Ongoing through period	349,999	349,999	600,000
	Base Load Hydro	Exh. JRT-1T	Ongoing through period	958,925	963,504	963,504
	Base Load Thermal Program	Exh. JRT-1T	Ongoing through period	2,484,254	2,693,105	2,623,988
	Capital Tools & Stores	Exh. KEM-1T	Ongoing through period	2,500,008	2,500,008	2,500,008
	Distribution Grid Modernization	Exh. KEM-1T	Ongoing through period	2,165,010	2,239,852	794,988
	Distribution Minor Rebuild	Exh. HLR-1T	Ongoing through period	11,499,986	11,499,986	10,999,980
	Distribution System Enhancements	Exh. HLR-1T	Ongoing through period	6,930,025	7,069,995	7,000,013
	Downtown Network - Asset Condition	Exh. HLR-1T	Ongoing through period	1,600,000	1,999,999	2,400,000
	Downtown Network - Performance & Capacity	Exh. HLR-1T	Ongoing through period	1,100,000	1,150,000	1,200,000
	Electric Storm	Exh. HLR-1T	Ongoing through period	6,023,406	6,000,012	6,000,012
	Electric Transportation	Exh. KEM-1T	Ongoing through period	2,775,000	3,900,000	4,060,000
	Enterprise & Control Network Infrastructure	Exh. JMK-1T	Ongoing through period	3,243,307	-	-
	Environmental Control & Monitoring Systems	Exh. JMK-1T	Ongoing through period	1,123,937	964,347	887,389
	Fiber Network Lease Service Replacement	Exh. JMK-1T	Ongoing through period	1,392,970	1,687,126	1,392,938
	Fleet Services Capital Plan	Exh. HLR-1T	Ongoing through period	7,904,640	5,608,016	5,423,704
	Gas Airway Heights HP Reinforcement	Exh. HLR-1T	September 2022	9,634,502	-	-
	Gas Non-Revenue Program	Exh. HLR-1T	Ongoing through period	9,295,000	8,500,010	8,500,010
	Gas Pullman HP Reinforcement Project	Exh. HLR-1T	August 2024	-	-	2,400,004
	Gas Regulator Station Replacement Program	Exh. HLR-1T	Ongoing through period	985,579	1,000,002	799,999
	Gas Reinforcement Program	Exh. HLR-1T	Ongoing through period	1,299,997	1,299,999	1,300,002
	Gas Telemetry Program	Exh. HLR-1T	Ongoing through period	303,256	210,004	210,004
	LED Change-Out Program	Exh. HLR-1T	Ongoing through period	299,964	299,964	299,964
	New Revenue - Growth	Exh. HLR-1T	Ongoing through period	73,429,598	67,348,997	67,371,967
	Regulating Hydro	Exh. JRT-1T	Ongoing through period	2,947,845	2,961,000	2,961,000
	SCADA - SOO and BuCC	Exh. HLR-1T	Ongoing through period	1,026,882	736,223	699,972
	Structures and Improvements/Furniture	Exh. HLR-1T	Ongoing through period	3,639,388	3,349,639	3,349,609
	Substation - New Distribution Station Capacity Program	Exh. HLR-1T	Ongoing through period	5,765,300	11,076,449	12,701,549
	Substation - Station Rebuilds Program	Exh. HLR-1T	Ongoing through period	12,998,326	58,412,186	41,493,604
	Technology Failed Assets	Exh. JMK-1T	Ongoing through period	611,563	556,208	556,198
	Transmission - Minor Rebuild	Exh. HLR-1T	Ongoing through period	3,400,375	3,343,418	3,343,419
	Transmission - Performance & Capacity	Exh. HLR-1T	August 2024	-	-	8,500,000
	Wood Pole Management	Exh. HLR-1T	Ongoing through period	12,999,996	12,999,996	12,999,996
	<b>Total Programs Additions</b>			<b>190,689,038</b>	<b>220,720,044</b>	<b>214,333,821</b>

# Summary of the Capital Additions

Exh. JBB-3

Category	Business Case	Witness	Transfer To Plant *	2022	2023	2024
<b>Mandatory &amp; Compliance</b>						
	Cabinet Gorge Dam Fishway	Exh. JRT-1T	March 2022	63,475,101	235,000	-
	Clark Fork Settlement Agreement	Exh. JRT-1T	Ongoing through period	4,839,609	5,622,720	3,877,380
	Colstrip Transmission	Exh. HLR-1T	Ongoing through period	325,001	370,002	639,999
	Elec Relocation and Replacement Program	Exh. HLR-1T	Ongoing through period	5,399,944	5,399,984	5,399,987
	Gas Above Grade Pipe Remediation Program	Exh. HLR-1T	August 2022	682,000	714,000	709,000
	Gas Cathodic Protection Program	Exh. HLR-1T	Ongoing through period	715,000	715,000	715,000
	Gas Facility Replacement Program (GFRP) Aldyl A					
	Pipe Replacement	Exh. HLR-1T	Ongoing through period	25,687,251	27,687,251	24,444,163
	Gas HP Pipeline Remediation Program	Exh. HLR-1T	Ongoing through period	599,998	-	-
	Gas Isolated Steel Replacement Program	Exh. HLR-1T	Ongoing through period	862,754	850,008	850,008
	Gas PMC Program	Exh. HLR-1T	Ongoing through period	3,500,004	3,799,993	1,500,000
	Gas Replacement Street and Highway Program	Exh. HLR-1T	Ongoing through period	3,495,650	3,500,000	3,500,000
	Gas Transient Voltage Mitigation Program	Exh. HLR-1T	June 2022	875,000	965,000	250,000
	High Voltage Protection (HVP) Refresh	Exh. JMK-1T	Ongoing through period	226,712	336,542	190,320
	Identity and Access Governance (IAG)	Exh. JMK-1T	December 2022	672,255	418,119	191,368
	Joint Use	Exh. HLR-1T	Ongoing through period	2,749,992	2,950,008	2,950,008
	Protection System Upgrade for PRC-002	Exh. HLR-1T	Ongoing through period	80,000	11,879,164	-
	Saddle Mountain 230/115kV Station (New) Integration					
	Project Phase 2	Exh. HLR-1T	Ongoing through period	19,962,533	-	-
	Security Compliance	Exh. JMK-1T	December 2022	250,001	250,001	244,774
	Spokane River License Implementation	Exh. JRT-1T	Ongoing through period	629,226	535,000	492,301
	Spokane Valley Transmission Reinforcement Project	Exh. HLR-1T	Ongoing through period	2,000,000	-	-
	Strategic Initiatives	Exh. JRT-1T	Ongoing through period	225,225	-	-
	Transmission Construction - Compliance	Exh. HLR-1T	Ongoing through period	2,111,069	1,550,000	-
	Transmission NERC Low-Risk Priority Lines					
	Mitigation	Exh. HLR-1T	Ongoing through period	2,554,255	2,499,984	-
	Tribal Permits & Settlements	Exh. HLR-1T	January 2022	259,776	249,996	249,996
	Use Permits	Exh. JRT-1T	Ongoing through period	150,012	150,012	150,012
	Westside 230/115kV Station Brownfield Rebuild					
	Project	Exh. HLR-1T	Ongoing through period	-	-	8,924,475
	WSDOT Control Zone Mitigation	Exh. HLR-1T	Ongoing through period	749,998	1,200,005	1,399,999
	WSDOT Franchises	Exh. JRT-1T	Ongoing through period	99,996	99,996	99,996
	<b>Total Mandatory &amp; Compliance Additions</b>			<b>143,178,362</b>	<b>71,977,785</b>	<b>56,778,786</b>
<b>Large Distinct Projects</b>						
	Boulder Park Generator Replacement	Exh. JRT-1T	November 2024	-	-	999,998
	Cabinet Gorge HVAC Replacement	Exh. JRT-1T	December 2023	-	1,500,000	-
	Cabinet Gorge Station Service	Exh. JRT-1T	December 2022	7,761,859	5,152,936	-
	Cabinet Gorge Stop Log Replacement	Exh. JRT-1T	December 2023	-	1,200,000	-
	Cabinet Gorge Unit 4 Protection & Control Upgrade	Exh. JRT-1T	Ongoing through period	750,000	-	-
	Cabinet Gorge Unwatering Pumps	Exh. JRT-1T	August 2022	395,000	395,016	-
	Central 24 HR Operations Facility	Exh. HLR-1T	December 2024	-	-	4,598,545
	Digital Grid Network	Exh. JMK-1T	Ongoing through period	2,801,323	2,121,419	2,461,518
	Generation DC Supplied System Update	Exh. JRT-1T	Ongoing through period	550,001	550,001	400,000
	Generation Masonry Building Rehabilitation	Exh. JRT-1T	August 2022	493,993	493,995	493,990
	Generation Protection Upgrades	Exh. JRT-1T	November 2024	-	-	587,500
	Jackson Prairie Joint Project	Exh. HLR-1T	Ongoing through period	2,378,977	2,369,965	2,420,989
	KF_Fuel Yard Equipment Replacement	Exh. JRT-1T	April 2023	-	30,367,127	-
	Land Mobile Radio & Real Time Communication					
	Systems	Exh. JMK-1T	Ongoing through period	3,569,746	1,005,328	3,028,940
	Long Lake Plant Upgrade	Exh. JRT-1T	Ongoing through period	-	-	19,541,000
	Monroe Street Abandoned Penstock Stabilization	Exh. JRT-1T	August 2023	-	899,992	-
	N Lewiston Autotransformer - Failed Plant	Exh. HLR-1T	May 2022	5,554,506	-	-
	Nine Mile HED Battery Building	Exh. JRT-1T	December 2022	800,001	-	-
	Nine Mile Powerhouse Crane Rehab	Exh. JRT-1T	May 2022	1,699,988	-	-
	Nine Mile Units 3 & 4 Control Upgrade	Exh. JRT-1T	March 2023	-	2,000,000	1,999,999
	Noxon Rapids HVAC	Exh. JRT-1T	December 2024	-	-	1,250,002
	Oil Storage Improvements	Exh. HLR-1T	December 2023	-	1,762,827	-
	Peaking Generation Business Case	Exh. JRT-1T	Ongoing through period	445,001	458,000	450,000
	Post Falls North Channel Spillway Rehabilitation	Exh. JRT-1T	December 2024	-	-	18,499,999
	Strategic Initiatives	Exh. HLR-1T	Ongoing through period	2,297,174	-	-
	Telematics 2025	Exh. HLR-1T	Ongoing through period	438,347	808,250	-
	Transmission Major Rebuild - Asset Condition	Exh. HLR-1T	Ongoing through period	5,680,751	12,000,000	11,000,000
	Upper Falls Trash Rake Replacement	Exh. JRT-1T	December 2023	-	1,500,000	-
	<b>Total Large Distinct Projects Additions</b>			<b>35,616,667</b>	<b>64,584,856</b>	<b>67,732,480</b>

# Summary of the Capital Additions

Exh. JBB-3

Category	Business Case	Witness	Transfer To Plant *	2022	2023	2024
<b>Wildfire</b>						
	Wildfire Resiliency Plan	Exh. DRH-1T	Ongoing through period	24,544,986	27,000,000	29,000,001
<b>Colstrip</b>						
	Colstrip 3&4 Capital Projects	Exh. JRT-1T	Ongoing through period	6,173,605	1,556,100	7,445,165
<b>EIM</b>						
	Energy Imbalance Market	Exh. SJK-1T	March 2022	12,016,376	-	-
	Energy Imbalance Market Modernization & Operational Efficiency	Exh. SJK-1T	March 2023	-	499,974	585,791
	<b>Total EIM</b>			<b>12,016,376</b>	<b>499,974</b>	<b>585,791</b>
	<b>Total Additions</b>			<b>452,551,023</b>	<b>444,382,681</b>	<b>440,952,328</b>

\* "Ongoing through period" - These typically transfer monthly throughout each year