

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

DOCKET NO. UE-220053

DOCKET NO. UG-220054

DOCKET NO. UE-210854

(consolidated)

EXH. EMA-9

ELIZABETH M. ANDREWS

REPRESENTING AVISTA CORPORATION

**AVISTA CORP.  
RESPONSE TO REQUEST FOR INFORMATION**

JURISDICTION:	WASHINGTON	DATE PREPARED:	04/12/2022
CASE NO.:	UE-220053 & UG-220054	WITNESS:	J. Kensok / E. Andrews
REQUESTER:	Public Counsel	RESPONDER:	Nate Kahovec
TYPE:	Data Request	DEPT:	Enterprise Technology
REQUEST NO.:	PC – 117	TELEPHONE:	(509) 495-2223
		EMAIL:	nate.kahovec@avistacorp.com

**SUBJECT:** IS/IT Expense – Pro Forma

**REQUEST:**

Please provide a schedule of items that increase expense for RY1 and RY2 with related amount in Excel. Please identify which of the increases is based on signed multi-year contracts and which are not. Also, please explain the basis for the increased expense for those items that are not based on existing contracts.

**RESPONSE:**

See PC-DR-117 Attachment A for the schedule of non-labor items that increase expense.

Historic Test Year compared to year-to-date 2022 actuals resulted in an incremental non-labor addition of approximately \$2.4 million. Details are included in the *Test Year v YTD 2022 (Q1) tab*.

Year-to-date 2022 actuals compared to 2023 expenses result in incremental non-labor expense contract additions of approximately \$376,000 (system). The Company did not include these increases beyond 2022 in its direct filed case. Details are included in the *YTD 2022 (Q1) v RY1 Detail tab*. Due to the sheer number of changes, a consolidated view of the top ten increases and reductions, along with the requested multi-year/annual information for increases, has been included. Definitions for multi-year, annual and evergreen contracts are in the attached spreadsheet.

The *RY1 v RY2 tab* provides detail on the approximately \$26,000 incremental non-labor expense contract additions from 2023 expense levels (RY1) to 2024 expenses levels (RY2) with the accompanying multiyear/annual detail.

Items without contracts have not been included.

Please note, the Company did not pro form incremental IS/IT expenses beyond 2022 levels, i.e. the Company did not pro form expected contract 2023 or 2024 increases. Therefore, there was no change impacting RY2 levels. As noted in Attachment A, to date, the Company has understated its RY1 expense levels as of Q1 2022 from that included in its direct filed case by \$262,000 system. The Company will supplement this response with a revised IS/IT Adjustment in May 2022 reflecting actual known 2022 contract increases, once available.

**AVISTA CORP.  
RESPONSE TO REQUEST FOR INFORMATION**

JURISDICTION:	WASHINGTON	DATE PREPARED:	05/26/2022
CASE NO.:	UE-220053 & UG-220054	WITNESS:	J. Kensok / E. Andrews
REQUESTER:	Public Counsel	RESPONDER:	Nate Kahovec
TYPE:	Data Request	DEPT:	Enterprise Technology
REQUEST NO.:	PC – 117 Supplemental	TELEPHONE:	(509) 495-2223
		EMAIL:	nate.kahovec@avistacorp.com

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**REQUEST:**

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**SUPPLEMENTAL RESPONSE (05/26/2022)**

See PC-DR-117 Supplemental Attachment A for the updated schedule of IS/IT non-labor expense and incremental (new) IS/IT labor employees that increase expense.

In this supplemental response, the Company is updating its 2022 known contract amounts for non-labor IS/IT expenses, as well as adjusting the six (6) proposed IS/IT labor employees hired (or to be hired in 2022) to reflect annual salaries during RY1 (see PC-228 and PC-229). In addition, the Company is adding two (2) additional incremental labor employees to be hired in 2022 (see description below) not previously included in the Company’s direct filed case. Reflecting these changes in RY1, results in an overall IS/IT increase in expense for Washington electric from \$1.26 million as filed, to \$1.6 million, or increase in expense of approximately \$356,000. For natural gas, the result is an increase in IS/IT expense for Washington from \$371,000 as filed, to \$493,000, an increase in expense of approximately \$123,000.

The effect, therefore, is an increase in the Company’s electric and natural gas revenue requirement for RY1 of \$373,000 and \$128,000, respectively. RY2 revenue requirement is unchanged.

Hire Date	Job Title	Job Description	2022 O&M impact	2023 O&M impact (Annualized)
Q3-Q4 2022	TSA Compliance Analyst	In July of 2021, the Transportation Security Administration (TSA) issued Security Directives requiring Avista to comply with new compliance & security requirements. Since TSA Security Directives are only good for 1 year, it was not clear if this was a one-time exercise or an ongoing compliance program like NERC CIP. Through recent discussions with TSA, we have learned that the Security Directives will be renewed, and rulemaking will make this an ongoing compliance program like NERC CIP thus Avista needs to staff and manage this as a sustainable compliance program. This technical position is being added to implement and manage the ongoing technical security requirements of the TSA Security Directives so Avista can remain compliant with the TSA Security Directives.	\$ 20,000	\$ 140,000
Q3-Q4 2022	Mgr, Physical Security	Physical Security responsibilities are currently embedded and shared among many cybersecurity professionals whose primary job responsibilities are protecting Avista from cybersecurity-related issues. As cybersecurity issues continue to grow in scope and complexity this model is difficult to maintain due to the increasing workload and focus needed for cybersecurity and the shortage of cybersecurity professionals. This position allows Avista to remove the responsibility for physical security from cybersecurity professionals so they can focus 100% on cybersecurity and instead recruit physical security professionals to take on the physical security this workload.	\$ 20,000	\$ 140,000
			<b>\$ 40,000</b>	<b>\$ 280,000</b>

**ORIGINAL RESPONSE:**

See PC-DR-117 Attachment A for the schedule of non-labor items that increase expense.

Historic Test Year compared to year-to-date 2022 actuals resulted in an incremental non-labor addition of approximately \$2.4 million. Details are included in the *Test Year v YTD 2022 (Q1) tab*.

Year-to-date 2022 actuals compared to 2023 expenses result in incremental non-labor expense contract additions of approximately \$376,000 (system). The Company did not include these increases beyond 2022 in its direct filed case. Details are included in the *YTD 2022 (Q1) v RY1 Detail tab*. Due to the sheer number of changes, a consolidated view of the top ten increases and reductions, along with the requested multi-year/annual information for increases, has been included. Definitions for multi-year, annual and evergreen contracts are in the attached spreadsheet.

The *RY1 v RY2 tab* provides detail on the approximately \$26,000 incremental non-labor expense contract additions from 2023 expense levels (RY1) to 2024 expenses levels (RY2) with the accompanying multiyear/annual detail.

Items without contracts have not been included.

Please note, the Company did not pro form incremental IS/IT expenses beyond 2022 levels, i.e. the Company did not pro form expected contract 2023 or 2024 increases. Therefore, there was no change impacting RY2 levels. As noted in Attachment A, to date, the Company has understated its RY1 expense levels as of Q1 2022 from that included in its direct filed case by \$262,000 system. The Company will supplement this response with a revised IS/IT Adjustment in May 2022 reflecting actual known 2022 contract increases, once available.

Historic Test Year (Adjusted):	\$ 17,902,006	See Original workpapers.
		(Avista will supplement this DR in May - correcting for this adjustment, and updating actual 2022 expenses through April 2022.)
Adjustment:	\$ 36,640	
<i>Adjustment removing Wildfire product from Historic Test Year; included in another area. Excluded in calculating Wildfire pro forma.</i>		
Adjusted Historic Test Year:	\$ 17,865,366	
Historic Test Year to YTD 2022 (Q1) Incremental:	\$ 2,423,062	(Non-Labor IT expenses included in direct filing: \$ 20,026,679 Net understatement \$261,748 system)
YTD 2022 (Q1) Balance:	\$ 20,288,427	
YTD 2022 (Q1) to Rate Year 1 Incremental:	\$ 376,413	Incremental 2023 increases not included (non-labor)
Rate Year 1 Balance:	\$ 20,664,840	
Rate Year 1 to Rate Year 2 Incremental:	\$ 26,212	Incremental 2024 increases not included
Rate Year 2 Balance:	\$ 20,691,052	

Note Filed Case

System Test Period	\$ 17,902,001	
System IS/IT Expenses 2022	\$ 2,124,678	
<b>Incremental Expenses Pro Formed</b>	<b>\$ 20,026,679</b>	
YTD Actual 2022	\$ 20,288,427	
<b>System Understated RY1 Pro Forma IS/IT as of Q1 2022</b>	<b>\$ 261,748</b>	(system)

The Company did not pro form 2023 or 2024 expected increases.

**Definitions:**

*Annual Contract:* Generally, a 12 month contract with a specific end date that occasionally extends beyond 12 months; less than 24 months.

*Multi-Year Contract:* Any contract spanning 24 months or longer with a specific end date.

*Evergreen Contract:* A contract that automatically renews at the end of each licensing term unless action, defined within the terms of the contract, is taken.

*EID:* A unique identifier associated to products and their financial impact within our prepaid expense budgeting system.

Actg_ProjectNumber	Entry_Name	Entry_ID	Historic Test Year	2022 (YTD Balance)	Variance		
02802072	Test Year Only WFRES Distrib Operations_WA	Test Year Only	\$ 20,484		\$ (20,484)	Historic Test Year Total:	\$ 17,865,366
02806002	DMS Full Support Services	EID-267	\$ 106,207	\$ 106,207	\$ -		
09800221	CAISO	EID-254	\$ 127,050	\$ 127,166	\$ 116	2022 Balance (as of April 6th):	\$ 20,288,427
09800221	Non-CIP GE EMS Items	EID-286	\$ 217,103	\$ 217,103	\$ -		
09800221	Scada HP Support	EID-335	\$ 22,273	\$ 29,100	\$ 6,826		
09800221	Balancing Authority Fee	EID-338	\$ 19,626	\$ 19,895	\$ 269	Net Increases:	180 \$ 3,446,687
09800221	CIMSpy.Desktop Renewal	EID-355	\$ 15,428	\$ 15,428	\$ -	Net Reductions:	71 \$ (1,023,625)
09800221	Scada UPS Maintenance	EID-392	\$ 25,107	\$ 27,408	\$ 2,301		
09800221	Linux Standard Subscription	EID-466		\$ 6,439	\$ 6,439		
09800221	NetApp AFF-A250	EID-484		\$ 13,151	\$ 13,151	Incremental:	\$ 2,423,062
	BPA - Leased Fiber supporting transmission protection at NE	EID-137	\$ 81,035	\$ 78,205	\$ (2,830)		
09800542	CIP Items	EID-285	\$ 24,803	\$ 24,803	\$ 0		
09800542	File Integrity Monitoring	EID-384	\$ 19,605	\$ 19,605	\$ -		
09800542	Fortigate	EID-255	\$ 32,023		\$ (32,023)		
09800542	Vulnerability Scanning	EID-379	\$ 4,014	\$ 4,014	\$ -		
09800542	PaloAltoFirewallsSCADA	EID-458		\$ 12,905	\$ 12,905		
09802152	Circuit Breaker Analyzer	EID-264	\$ 102,055	\$ 120,768	\$ 18,713		
09802453	OATI - Ops	EID-332	\$ 110,460	\$ 112,987	\$ 2,527		
09802453	OATI FERC	EID-424	\$ -	\$ 44,036	\$ 44,036		
09802455	OATI - Trans	EID-333	\$ 75,209	\$ 79,832	\$ 4,623		
09802455	OATI WebTrans	EID-331	\$ 117,812	\$ 135,792	\$ 17,980		
09802815	Quality Training Systems for Transmission	EID-361	\$ 6,129	\$ 6,129	\$ -		
09802815	Power Simulator	EID-304	\$ 35,218	\$ 35,218	\$ -		
09900310	Utility Analytic Institute	EID-261	\$ 18,227	\$ 17,796	\$ (431)		
09905507	CitrixSupport3Yr	EID-71	\$ 12,619	\$ 17,331	\$ 4,712		
09905507	InfraLicenseSupport4Yr	EID-79	\$ 13,927	\$ 13,927	\$ -		
09905507	InfraRefreshSupport3Yr	EID-78	\$ 22,200	\$ 22,200	\$ -		
09905507	MobileCollectorMaintenanceAnnualRenewal	EID-81	\$ 35,873	\$ 37,186	\$ 1,313		
09905507	NetmotionMaintenance3Yr	EID-76	\$ 36,689	\$ 36,689	\$ -		
09905507	PremierStandardRenewal	EID-67	\$ 145,677	\$ 117,291	\$ (28,386)		
09905507	ProxyProAnnualMaintenance	EID-75	\$ 24,635	\$ 44,534	\$ 19,899		
09905507	VirtualApps&DesktopsRenewal3Yr	EID-77	\$ 48,421	\$ 48,421	\$ -		
09905507	Visio Software maintenance (EA 2022)	EID-188	\$ 82,764	\$ 35,905	\$ (46,859)		
09905507	Win7EOLAnnualSupport	EID-74	\$ 28,294	\$ 50,140	\$ 21,846		
09905507	Windows10LicensesAnnual (EA 2022)	EID-69	\$ 164,409	\$ 168,489	\$ 4,081		
09905507	Itron FCS/FC300	EID-182	\$ 8,234	\$ 8,234	\$ (0)		
09905507	AdminStudioLicenses3Yr	EID-72	\$ 9,461	\$ 9,461	\$ -		
09905507	iNetAnnualSubscription	EID-68	\$ 90,762	\$ 90,838	\$ 76		
	Microsoft System Center Configuration Management Software	EID-411	\$ 255		\$ (255)		
09905507	Office365AnnualSubscription (EA 2022)	EID-70	\$ 434,007	\$ 438,851	\$ 4,844		
09905507	RemittanceProcessingAnnualRenewal	EID-82	\$ 27,935	\$ 28,837	\$ 902		
09905507	Itron FCS/FC300 Quarterly	EID-431	\$ 9,483		\$ (9,483)		
09905507	AnyConnectRefreshDirectCharge	EID-474	\$ 31,468		\$ (31,468)		

	support for the hardware and software that enables					
09905507	virtual desktop environment	EID-437		\$	29,662	\$ 29,662
09905508	Actiance	EID-210	\$	52,045	\$ 66,633	\$ 14,587
09905508	AvayaAuraAnnualSupport	EID-64	\$	155,515	\$ 165,057	\$ 9,542
09905508	Email Vaulting Software	EID-216	\$	29,971	\$ 36,201	\$ 6,230
09905508	RightFaxAnnualSupport	EID-58	\$	19,775	\$ 19,793	\$ 18
09905508	Zetron Console Annual Maintenance	EID-221	\$	180,408	\$ 187,796	\$ 7,388
09905508	Audiocodes SBC	EID-211	\$	31,816	\$ 46,174	\$ 14,358
09905508	AudiocodesAnnualSupport2	EID-65	\$	9,544		\$ (9,544)
09905508	KollectiveVideoAnnual	EID-56	\$	50,661	\$ 50,661	\$ -
09905508	TaitAnnualSupport	EID-60	\$	169,449	\$ 169,449	\$ -
09905508	VerintAnnualSupport	EID-61	\$	199,854	\$ 220,437	\$ 20,583
09905508	Verint Call Center Software	EID-220	\$	41,709	\$ 3,925	\$ (37,784)
09905508	Rave Corporate Premium and Notifier	EID-434	\$	-	\$ 22,325	\$ 22,325
09905508	Outbound Call Center	EID-476		\$	92,105	\$ 92,105
09905509	Cisco - 5 year maintenance agreement through 3/31/2022	EID-139	\$	460,536	\$ 460,536	\$ 0
09905509	Cisco - Co-termed support through 4/30/2022	EID-140	\$	26,651	\$ 26,651	\$ -
09905509	Cisco - Smartnet	EID-144	\$	3,161	\$ 3,161	\$ 0
09905509	Cisco - WLAN Controller	EID-141	\$	20,456	\$ 27,820	\$ 7,364
09905509	Cisco Smartnet	EID-147	\$	3,142	\$ 3,142	\$ -
09905509	Cisco Smartnet	EID-148	\$	2,975	\$ 2,975	\$ 0
09905509	Cisco Smartnet	EID-149	\$	3,372	\$ 3,372	\$ -
09905509	Cisco Smartnet	EID-150	\$	5,242	\$ 5,242	\$ -
09905509	Cisco Smartnet	EID-151	\$	22,164	\$ 22,164	\$ -
09905509	Cisco Smartnet	EID-152	\$	3,293	\$ 3,293	\$ -
09905509	Cisco Smartnet	EID-153	\$	3,806	\$ 3,806	\$ -
09905509	Nokia SAR Maintenance & Support	EID-165	\$	177,635	\$ 209,579	\$ 31,944
09905509	Nokia SAR Maintenance & Support	EID-168	\$	3,785	\$ (10)	\$ (3,795)
09905509	SONET/MAN technology support	EID-163	\$	10,828	\$ 10,453	\$ (375)
09905509	SONET/MAN technology support	EID-156	\$	46,982	\$ 46,982	\$ -
09905509	WLAN Controller - Maintenance & support	EID-155	\$	19,860	\$ 19,860	\$ -
09905509	RF Design Software	EID-158	\$	21,962		\$ (21,962)
09905509	OpManager	EID-175	\$	26,251	\$ 27,110	\$ 859
09905509	SMARTnet True Up 2021	EID-425	\$	44,576	\$ 89,978	\$ 45,402
09905509	DGN Head End Maintenance	EID-427	\$	11,522	\$ 34,566	\$ 23,044
09905509	Udemy for Business	EID-435	\$	2,940	\$ 11,761	\$ 8,821
09905509	Viprion Premium Service	EID-426	\$	12,972	\$ 155,659	\$ 142,688
09905509	Test Year Only Compunet	Test Year Only	\$	2,991		\$ (2,991)
09905509	Test Year Only Nokia	Test Year Only	\$	9,822		\$ (9,822)
09905510	Anti-Virus	EID-109	\$	8,456	\$ 1,409	\$ (7,046)
09905510	Anti-Virus	EID-99	\$	335,219	\$ 402,262	\$ 67,044
09905510	Anti-Virus	EID-107	\$	125,466	\$ 75,489	\$ (49,976)
09905510	Business Continuity Planning Tool	EID-100	\$	37,445	\$ 36,868	\$ (577)
09905510	Certificate Management	EID-114	\$	30,279	\$ 30,279	\$ -
09905510	Certificate Management	EID-115	\$	9,263	\$ 9,263	\$ -
09905510	Cisco Identity Services Engine	EID-97	\$	3,899	\$ 3,899	\$ 0
09905510	Firewalls	EID-127	\$	90,309	\$ 220,677	\$ 130,368
09905510	Firewalls	EID-128	\$	37,303		\$ (37,303)

09905510	Firewalls	EID-129	\$	116,190	\$	(116,190)
09905510	Firewalls	EID-130	\$	83,436	\$	-
09905510	Firewalls	EID-131	\$	9,264	\$	-
09905510	Firewalls	EID-132	\$	15,484	\$	5,161
09905510	Network Device Configuration Analysis	EID-133	\$	3,821	\$	(3,821)
09905510	Phishing Training	EID-122	\$	19,194	\$	(2,285)
09905510	Privileged Management	EID-95	\$	6,565	\$	(6,565)
09905510	RedHat	EID-96	\$	12,852	\$	2,337
09905510	Sandbox Technology	EID-101	\$	9,113	\$	(9,113)
09905510	Sandbox Technology	EID-106	\$	26,769	\$	(26,769)
09905510	SIEM	EID-104	\$	17,531	\$	(17,531)
09905510	SIEM	EID-98	\$	19,886	\$	15
09905510	SIEM	EID-124	\$	161,063	\$	3,291
09905510	Splunk Enterprise & Infrastructure Monitoring Support and Maintenance	EID-444	\$	10,121	\$	31,616
09905510	Two Factor Authentication	EID-121	\$	3,589	\$	0
09905510	Two Factor Authentication	EID-120	\$	16,143	\$	935
09905510	CloudFlare DDoS Protection	EID-442	\$	7,800	\$	26,913
09905510	Vulnerability Scanning	EID-125	\$	91,562	\$	8,324
09905510	Vulnerability Scanning	EID-126	\$	12,030	\$	3,007
09905510	Physical Access Control	EID-94	\$	26,079	\$	(19,912)
09905510	PCI Compliance for the Call Center	EID-408	\$	61,676	\$	20,634
09905510	Incident Response Retainer	EID-103	\$	108,000	\$	-
09905510	Privileged Management	EID-119	\$	17,175	\$	(17,175)
09905510	Software Code Scanning Service	EID-134	\$	54,886	\$	(54,886)
09905510	Software Code Scanning Service	EID-480	\$		\$	56,584
09905510	CRISP	EID-102	\$	88,430	\$	68,897
09905510	MeridianKiosks	EID-429	\$	10,482	\$	10,482
09905510	nShield AMI	EID-440	\$	22,652	\$	67,955
09905510	nShield CORP	EID-438	\$	2,547	\$	12,735
09905510	nShield SCCI	EID-439	\$	3,669	\$	18,344
09905510	Venafi Trust Protection	EID-441	\$	1,729	\$	8,647
09905510	Edge Firewall Refresh DNS Licensing	EID-475	\$		\$	5,025
09905510	BitSight - SPM Governance	EID-485	\$		\$	32,523
09905510	IdentityNOW	EID-452	\$		\$	63,933
09905510	Edge Firewall Refresh	EID-481	\$		\$	2,127
09905510	Security Incident and Event Management (SIEM)	EID-479	\$		\$	2,898
09905510	Test Year Only Optim	Test Year Only	\$	12,907	\$	(12,907)
09905513	AcronisAdvantageSupportRenewal3Yr	EID-83	\$	13,613	\$	-
09905513	Active Directory Change Detection	EID-88	\$	20,998	\$	3,575
09905513	AMI &CCB/MDM/Ivoxy/VMWare Licenses	EID-87	\$	9,353	\$	-
09905513	Data Center Compute Hardware	EID-93	\$	8,964	\$	-
09905513	Microsoft Server Software	EID-91	\$	5,060	\$	3,739
09905513	Quest Diagnostics	EID-89	\$	5,522	\$	119
09905513	RedHat	EID-193	\$	4,567	\$	2,283
09905513	RedHat	EID-90	\$	184,032	\$	(34,745)
09905513	VMWareELARenewal	EID-84	\$	268,044	\$	24,276
09905513	Windows Server Licensing	EID-209	\$	30,539	\$	(2,658)
09905513	VSphere&VCenterSupportRenewal3Yr	EID-86	\$	14,892	\$	99



09905513	VMWareSupport3Yr	EID-85	\$	6,342	\$	6,342	\$	1
09905513	Embotics Data Center	EID-195	\$	11,312	\$	16,968	\$	5,656
09905813	ABB Nostradamus	EID-223	\$	19,190	\$	11,884	\$	(7,306)
09905813	Accounting Lease Management software	EID-316	\$	7,834	\$	8,063	\$	229
09905813	Accounting SEC reporting	EID-231	\$	42,690	\$	49,595	\$	6,905
09905813	Accounting Tax software	EID-351	\$	34,375	\$	35,899	\$	1,524
09905813	Aclara TWACS	EID-229	\$	16,487	\$	17,297	\$	810
09905813	Adobe Software (Creative Cloud)	EID-232	\$	28,761	\$	43,775	\$	15,014
09905813	ADSS solver engine	EID-294	\$	42,642	\$	21,421	\$	(21,220)
09905813	Alation Metadata Management	EID-320	\$	14,688	\$	14,715	\$	27
09905813	Alation Metadata Management	EID-321				30,902	\$	30,902
09905813	AP Remittance proccsing software maintenance	EID-247	\$	24,790	\$	25,383	\$	594
09905813	AppDynamics	EID-234	\$	54,057	\$	48,856	\$	(5,201)
09905813	Arcos	EID-235	\$	165,964	\$	205,563	\$	39,600
09905813	Ascent GIS Imagery	EID-238	\$	14,157	\$	13,068	\$	(1,089)
09905813	Asset Works - Fleet Anywhere	EID-240	\$	47,583	\$	51,012	\$	3,430
09905813	Avista Mobile App Weather subscription	EID-302	\$	5,000	\$	4,092	\$	(908)
09905813	CC&B Maintenance	EID-341	\$	732,767	\$	759,292	\$	26,526
09905813	Circuit and Relay Coordination Program	EID-239	\$	7,297	\$	7,297	\$	-
09905813	Content Management Software for myAvista.com	EID-369	\$	10,979	\$	11,436	\$	458
09905813	Content publishing for HR (eView etc...)	EID-350	\$	39,150	\$	41,948	\$	2,799
09905813	Contract Tracking	EID-390	\$	27,443	\$	27,468	\$	25
09905813	CRM/CXP	EID-363	\$	1,220,576	\$	1,628,762	\$	408,186
09905813	CRM/CXP	EID-364	\$	50,673	\$	28,750	\$	(21,923)
09905813	CRM/CXP	EID-394	\$	250,939	\$	508,100	\$	257,161
09905813	CRM/CXP DevOps software	EID-258	\$	27,422	\$	29,965	\$	2,543
09905813	Data Science and Internal Audit software	EID-226	\$	25,459	\$	27,581	\$	2,122
09905813	Data Science and Internal Audit software	EID-227	\$	6,200	\$	6,200	\$	-
09905813	Deligent	EID-263	\$	40,201	\$	42,759	\$	2,558
09905813	Dell - TOAD	EID-262	\$	18,375	\$	17,877	\$	(499)
09905813	E-Business Suite Maintenance	EID-342	\$	86,933	\$	85,486	\$	(1,446)
09905813	E-Business Suite Maintenance	EID-339	\$	323,432	\$	337,472	\$	14,040
09905813	EIM MV90	EID-312	\$	26,763	\$	28,078	\$	1,315
09905813	Electric IRP & Rate Making	EID-275	\$	152,628	\$	146,465	\$	(6,162)
09905813	Employee relief fund software	EID-260	\$	34,592	\$	32,229	\$	(2,363)
09905813	Enterprise Learning Management	EID-374	\$	45,948	\$	45,132	\$	(815)
09905813	Enterprise Learning Management	EID-373	\$	33,136	\$	32,548	\$	(588)
09905813	eSignature subscription and maintenance	EID-265	\$	35,114	\$	56,324	\$	21,210
09905813	ESRI ELA	EID-278	\$	179,883	\$	173,584	\$	(6,299)
09905813	FME ETL licenses	EID-362	\$	15,645	\$	19,631	\$	3,986
09905813	GIS Mapping technology	EID-378	\$	35,993	\$	33,296	\$	(2,696)
09905813	Globalscape SFTP DMZ	EID-289	\$	9,681	\$	9,143	\$	(538)
09905813	IBM - Passport	EID-297	\$	526,042	\$	557,736	\$	31,694
09905813	Investor Relations Hosting for AvistaCorp	EID-382	\$	40,114	\$	42,025	\$	1,911
09905813	Itron Fixed Network	EID-310	\$	5,150	\$	21,853	\$	16,704
09905813	Itron Technology	EID-409	\$	14,321	\$	19,094	\$	4,774
09905813	Kettle Falls software	EID-222	\$	13,504	\$	14,459	\$	955
09905813	Key account CRM	EID-306	\$	15,961	\$	16,007	\$	46
09905813	Leave management software	EID-359	\$	14,885	\$	14,929	\$	44

09905813	Maintenance for Storm Center (Mobile App, myAvista.com outage map)	EID-300	\$	159,118	\$	159,411	\$	292
09905813	Maintenance for Utility Product Suite	EID-309	\$	34,304	\$	34,304	\$	-
09905813	MDM Maintenance	EID-343	\$	366,659	\$	385,349	\$	18,689
09905813	Microsoft Maintenance (SharePoint/ Yammer) (EA 2022)	EID-327	\$	233,238	\$	152,858	\$	(80,379)
09905813	Mobile App and myAvista.corp outage map subscription	EID-299	\$	46,081	\$	46,166	\$	85
09905813	myAvista customer tools	EID-256	\$	31,443	\$	31,443	\$	-
09905813	PI - Plant Information	EID-467	\$	175,255	\$	211,621	\$	36,367
09905813	Power World Builder	EID-358	\$	8,758	\$	35,028	\$	26,270
09905813	PowerDB Extended Software Support and Maintenance	EID-319	\$	17,790	\$	17,467	\$	(323)
09905813	Powerline - Eng/Drw	EID-357	\$	15,008	\$	16,910	\$	1,902
09905813	Powerline Eng/Drw	EID-356	\$	27,460	\$	30,937	\$	3,477
09905813	PrognoCIS Electronic Health Records	EID-252	\$	26,511	\$	28,453	\$	1,942
09905813	Regulatory Finance Software	EID-391	\$	3,750	\$	16,350	\$	12,600
09905813	SIEM	EID-372	\$	25,816	\$	34,157	\$	8,342
09905813	Stackvision for Rathdrum power plant	EID-277	\$	19,272	\$	20,140	\$	868
09905813	Synergi Electric	EID-287	\$	25,136	\$	25,136	\$	-
09905813	Synergi Gas - Customer Management & Steady State	EID-288	\$	12,900	\$	12,900	\$	-
09905813	Tableau expansion	EID-375	\$	18,762	\$	89,297	\$	70,535
09905813	Tableau Viewer Licenses	EID-376			\$	11,877	\$	11,877
09905813	Trove AI Platform	EID-385	\$	38,115			\$	(38,115)
09905813	Workforce training	EID-292	\$	34,848	\$	34,880	\$	32
09905813	Plexos Market Simulation: Gas	EID-433	\$	18,608	\$	44,659	\$	26,051
09905813	Microsoft Maintenance	EID-322	\$	349,490	\$	381,066	\$	31,577
09905813	Microsoft Maintenance	EID-325			\$	18,000	\$	18,000
09905813	Microsoft Maintenance	EID-326			\$	13,000	\$	13,000
09905813	Vulnerability Scanning	EID-380	\$	(1,002)			\$	1,002
09905813	ABB Mobile Work Management	EID-224	\$	123,287	\$	150,836	\$	27,549
09905813	ABB Mobile Work Management	EID-225	\$	77,428	\$	81,861	\$	4,433
09905813	myAvista Customer usage insights.	EID-228	\$	83,187	\$	90,833	\$	7,646
09905813	Action Metamanager	EID-230	\$	58,112	\$	66,414	\$	8,302
09905813	Availability Workbench	EID-236	\$	18,593	\$	17,430	\$	(1,163)
09905813	Imagery Files for GIS	EID-237	\$	58,815	\$	58,860	\$	45
09905813	General Risk and Compliance Software Maintenance	EID-241	\$	45,117	\$	45,152	\$	35
09905813	Accounting SOX reporting	EID-242	\$	68,073	\$	71,736	\$	3,662
09905813	Autosol	EID-243	\$	34,182	\$	41,279	\$	7,097
09905813	Clarity	EID-253	\$	46,785	\$	51,300	\$	4,515
09905813	myAvista.com software	EID-257	\$	21,668	\$	23,478	\$	1,810
09905813	Enterprise Content Management Software (ECM)	EID-271	\$	14,843	\$	15,786	\$	943
09905813	AP Invoice processing software. Part of ECM solution	EID-272	\$	27,755	\$	27,251	\$	(504)
09905813	myAvista.com Customer Marketplace subscription	EID-273	\$	208,761	\$	208,761	\$	-
09905813	Power Base Software Maintenance	EID-274	\$	43,993	\$	50,389	\$	6,395
09905813	Crow - Transmission	EID-276	\$	20,689	\$	21,296	\$	608

09905813	GL Wand Accounting Software	EID-279	\$	34,840	\$	37,053	\$	2,213
09905813	Data Inventory Analysis	EID-280	\$	73,508	\$	73,508	\$	-
09905813	Filemaker software used by Deployment Service	EID-281	\$	4,525	\$	4,525	\$	-
09905813	Oracle Enterprise Budget and Plan Cloud Service (EBPCS)	EID-282	\$	297,693	\$	275,007	\$	(22,686)
09905813	Gartner	EID-283	\$	235,371	\$	202,772	\$	(32,599)
09905813	Globalscape SFTP	EID-291	\$	75,729	\$	85,727	\$	9,998
09905813	IBM Cognos	EID-296	\$	141,084	\$	143,196	\$	2,113
09905813	Avista Mobile App	EID-301	\$	25,246	\$	24,000	\$	(1,246)
09905813	IKEGPS Fees on GPS devices for construction personnel	EID-303	\$	29,329	\$	29,356	\$	27
09905813	Human Machine Interface (HMI) software for control screens for Generation Production Substation	EID-305	\$	34,238	\$	47,202	\$	12,963
09905813	Enterprise health & safety software	EID-308	\$	139,899	\$	140,028	\$	129
09905813	Itron - FCS	EID-311	\$	39,496	\$	14,340	\$	(25,156)
09905813	myAvista.com customer authentication Subscription	EID-317	\$	41,080	\$	41,108	\$	28
09905813	Compensation management software	EID-318	\$	23,305	\$	24,829	\$	1,525
09905813	Microsoft - SQL Databases	EID-323	\$	5,923	\$	7,897	\$	1,974
09905813	ProRepair Subscription	EID-329	\$	-	\$	-	\$	-
09905813	MuleSoft API	EID-330	\$	138,899	\$	150,663	\$	11,764
09905813	Java	EID-340	\$	52,631	\$	58,794	\$	6,163
09905813	Oracle Technology Maint	EID-344	\$	935,524	\$	969,055	\$	33,531
09905813	Test suite for Ebusiness Suite	EID-345	\$	4,340	\$	-	\$	(4,340)
09905813	AutoCad	EID-348	\$	29,696	\$	50,987	\$	21,291
09905813	PluraSight Training	EID-349	\$	12,368	\$	13,608	\$	1,240
09905813	Accounting Assest Management software	EID-352	\$	220,290	\$	230,050	\$	9,760
09905813	PowerWorld Simulator	EID-353	\$	51,214	\$	43,257	\$	(7,956)
09905813	EIM OMS & Front Office Software	EID-354	\$	27,805	\$	30,065	\$	2,260
09905813	Priority -Based Control Engineering	EID-360	\$	49,005	\$	49,005	\$	-
09905813	Schneider ArcAFM	EID-366	\$	272,250	\$	272,250	\$	-
09905813	Skillssoft online training	EID-370	\$	8,406	\$	-	\$	(8,406)
09905813	Strategic information	EID-371	\$	156,816	\$	168,950	\$	12,134
09905813	Thermal operations software	EID-381	\$	23,228	\$	23,635	\$	406
09905813	Credit Scoring for Customers	EID-383	\$	24,539	\$	24,539	\$	-
09905813	Ultipro HRIS hosting services	EID-388	\$	429,080	\$	438,650	\$	9,570
09905813	Splunk	EID-393	\$	23,853	\$	11,519	\$	(12,334)
09905813	Kettle Falls Wonderware	EID-395	\$	14,947	\$	16,922	\$	1,976
09905813	Microsfot Maintenance	EID-324	\$	-	\$	34,500	\$	34,500
09905813	Ultipro custom modules	EID-387	\$	12,846	\$	12,381	\$	(465)
09905813	Vulnerability Manager	EID-423	\$	31,062	\$	50,911	\$	19,849
09905813	Customer Load disaggregation platform Service	EID-248	\$	-	\$	99,303	\$	99,303
09905813	Customer Load disaggregation platform Service	EID-249	\$	-	\$	171,994	\$	171,994
09905813	Customer Load disaggregation platform Service	EID-250	\$	-	\$	62,130	\$	62,130
09905813	Plexos Market Simulation: Electric	EID-432	\$	24,635	\$	59,125	\$	34,490
09905813	CXP's portion fo the DAAP	EID-246	\$	7,648	\$	21,124	\$	13,476
09905813	Systrends SSO	EID-445	\$	2,080	\$	15,151	\$	13,071
09905813	Oracle Primavera	EID-428	\$	-	\$	68,583	\$	68,583

09905813	EV Tools for Customers	EID-410		\$	38,390	\$	38,390	
09905813	Pay Equity Advanced	EID-468		\$	17,894	\$	17,894	
09905813	Analytics Connector	EID-489		\$	12,359	\$	12,359	
09905813	Power Plan PAMS	EID-453		\$	45,399	\$	45,399	
09905813	Electric Vehicle Charging Software	EID-293		\$	40,000	\$	40,000	
09905813	SKM Power Tools (DAP)	EID-488		\$	3,571	\$	3,571	
09905813	Depreciation Forecasting	EID-416		\$	6,157	\$	6,157	
09905813	Trove 3rd Party Data	EID-386	\$	10,890		\$	(10,890)	
09905813	Test Year Only Egain Corp.	Test Year Only	\$	3,333		\$	(3,333)	
09905813	Test Year Only Itron	Test Year Only	\$	(1,213)		\$	1,213	
09905813	Test Year Only mistakes/balance	Test Year Only	\$	1,002		\$	(1,002)	
09906502	Creston Butte telecom lease site	EID-173	\$	30,414	\$	32,067	\$	1,654
09906502	Elk Mountain telecom lease site	EID-157	\$	14,880	\$	15,121	\$	241
09906502	Monumental Mt telecom lease site	EID-174	\$	34,310	\$	36,318	\$	2,008
09906502	Mt. Scott telecom lease site	EID-164	\$	4,406	\$	3,695	\$	(711)
09906502	Mt. Spokane telecom lease site	EID-172	\$	98,105	\$	105,913	\$	7,807
09906502	Pre-Paid Non Lease Costs	EID-169	\$	5,529	\$	4,920	\$	(609)
09906502	Step toe Butte telecom lease site	EID-171	\$	41,257	\$	43,896	\$	2,639
09906502	Teakean Butte telecom lease site	EID-161	\$	21,430	\$	22,267	\$	837
09906502	Test Year Only WSDNR	Test Year Only	\$	693		\$	(693)	
09906674	E-Signature Additional licenses	EID-266	\$	2,327		\$	(2,327)	
09906674	Tableau Viewer Licenses for COVID	EID-377	\$	11,380		\$	(11,380)	

Added notes for	\$	17,865,366	\$	20,288,427	\$	2,423,062
Exh. EMA-9	<b>Test Period</b>		<b>12ME 03.2022</b>			
	<b>09.2021</b>		<b>Q'12 2022 Actuals</b>			

Top 10 Increases
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Actg_ProjectNumber	Entry_Name	Entry_ID	2022 (YTD Balance)	RY1	Variance	Multi-Year/Annual
09905813	Customer Load disaggregation platform Service	EID-249	\$ 171,994	\$ 348,028	\$ 176,034	Multi-Year (Evergreen)
09905510	IdentityNOW	EID-452	\$ 63,933	\$ 175,961	\$ 112,029	Multi-Year
09905813	Customer Load disaggregation platform Service	EID-250	\$ 62,130	\$ 128,562	\$ 66,432	Multi-Year (Evergreen)
09905813	Customer Load disaggregation platform Service	EID-248	\$ 99,303	\$ 152,313	\$ 53,010	Multi-Year (Evergreen)
09905510	Firewalls	EID-130	\$ 83,436	\$ 104,295	\$ 20,859	Multi-Year
09905813	CRM/CXP	EID-363	\$ 1,628,762	\$ 1,647,950	\$ 19,188	Multi-Year
09905813	Depreciation Forecasting	EID-416	\$ 6,157	\$ 24,628	\$ 18,471	Annual (19 months)
09905813	Tableau Viewer Licenses	EID-376	\$ 11,877	\$ 28,504	\$ 16,627	Annual
09905510	Anti-Virus	EID-107	\$ 75,489	\$ 89,963	\$ 14,474	Annual
09905510	Firewalls	EID-127	\$ 220,677	\$ 233,004	\$ 12,327	Annual
					\$ 509,451	

Top 10 Reductions
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Actg_ProjectNumber	Entry_Name	Entry_ID	2022 (YTD Balance)	RY1	Variance
09905508	VerintAnnualSupport	EID-61	\$ 220,437	\$ 126,348	\$ (94,089)
09905507	Win7EOLAnnualSupport	EID-74	\$ 50,140		\$ (50,140)
09905508	AvayaAuraAnnualSupport	EID-64	\$ 165,057	\$ 115,540	\$ (49,517)
09905510	RedHat	EID-96	\$ 15,189	\$ 7,010	\$ (8,179)
09905508	Outbound Call Center	EID-476	\$ 92,105	\$ 85,020	\$ (7,085)
09905510	Physical Access Control	EID-94	\$ 6,168		\$ (6,168)
09905813	Ultipro HRIS hosting services	EID-388	\$ 438,650	\$ 433,931	\$ (4,719)
09905507	PremierStandardRenewal	EID-67	\$ 117,291	\$ 113,013	\$ (4,278)
09905813	Tableau expansion	EID-375	\$ 89,297	\$ 85,087	\$ (4,210)
09905508	Verint Call Center Software	EID-220	\$ 3,925		\$ (3,925)
					\$ (232,308)

2022 Balance (as of April 6th):		\$	20,288,427	
RY1 Balance:		\$	20,664,840	
Variance:		\$	<u>376,413</u>	
	<u>Item Count</u>			
Net Increases:	74	\$	630,600	
Net Reductions	29	\$	(254,188)	
Incremental:		\$	<u>376,413</u>	<i>see YTD 2022 v RY1 tab for details</i>

Actg_ProjectNumber	Entry_Name	Entry_ID	RY1	RY2	Variance	Multi-Year	RY1 Balance:	\$	20,664,840
09905510	Anti-Virus	EID-99	\$ 405,759	\$ 444,226	\$ 38,467	Multi-Year			
	Customer Load disaggregation								
09905813	platform Service	EID-250	\$ 128,562	\$ 146,245	\$ 17,683	Multi-Year (Evergreen)	RY2 Balance:	\$	20,691,052
09905510	Anti-Virus	EID-107	\$ 89,963	\$ 95,307	\$ 5,344	Annual			
09800542	PaloAltoFirewallsSCADA	EID-458	\$ 13,305	\$ 14,414	\$ 1,109	Multi-Year			

	Item Count	
Net Increases:	4	\$ 62,603
Net Reductions:	6	\$ (36,391)

Actg_ProjectNumber	Entry_Name	Entry_ID	RY1	RY2	Variance	Incremental:	\$	26,212
09905813	Tableau expansion	EID-375	\$ 85,086.69	\$ 82,981.68	\$ (2,105.01)			
09905509	Cisco - WLAN Controller	EID-141	\$ 30,434.29	\$ 28,093.20	\$ (2,341.09)			
09905813	Java	EID-340	\$ 60,252.79	\$ 55,617.96	\$ (4,634.83)			
09905813	Data Inventory Analysis	EID-280	\$ 79,633.18	\$ 73,507.56	\$ (6,125.62)			
09905510	Firewalls	EID-130	\$ 104,295.37	\$ 83,436.12	\$ (20,859.25)			
09905510	Cisco Identity Services Engine	EID-97	\$ 4,223	\$ 3,899	\$ (325)			

Actg_ProjectNumber	Entry_Name	Entry_ID	2022 (YTD Balance)	RY1	Variance
02806002	DMS Full Support Services	EID-267	\$ 106,207	\$ 106,207	\$ -
09800221	CAISO	EID-254	\$ 127,166	\$ 127,166	\$ -
09800221	Non-CIP GE EMS Items	EID-286	\$ 217,103	\$ 217,103	\$ -
09800221	Scada HP Support	EID-335	\$ 29,100	\$ 29,100	\$ -
09800221	Balancing Authority Fee	EID-338	\$ 19,895	\$ 19,895	\$ -
09800221	CIMSpy.Desktop Renewal	EID-355	\$ 15,428	\$ 15,428	\$ -
09800221	Scada UPS Maintenance	EID-392	\$ 27,408	\$ 27,408	\$ -
09800221	Linux Standard Subscription	EID-466	\$ 6,439	\$ 6,439	\$ -
09800221	NetApp AFF-A250	EID-484	\$ 13,151	\$ 15,781	\$ 2,630
09800222	BPA - Leased Fiber supporting transmission protection at NE	EID-137	\$ 78,205	\$ 78,205	\$ -
09800542	CIP Items	EID-285	\$ 24,803	\$ 24,803	\$ -
09800542	File Integrity Monitoring	EID-384	\$ 19,605	\$ 19,605	\$ -
09800542	Vulnerability Scanning	EID-379	\$ 4,014	\$ 4,014	\$ -
09800542	PaloAltoFirewallsSCADA	EID-458	\$ 12,905	\$ 13,305	\$ 400
09802152	Circuit Breaker Analyzer	EID-264	\$ 120,768	\$ 120,768	\$ -
09802453	OATI - Ops	EID-332	\$ 112,987	\$ 112,987	\$ (0)
09802453	OATI FERC	EID-424	\$ 44,036	\$ 44,036	\$ -
09802455	OATI - Trans	EID-333	\$ 79,832	\$ 79,832	\$ 0
09802455	OATI WebTrans	EID-331	\$ 135,792	\$ 135,792	\$ -
09802815	Quality Training Systems for Transmission	EID-361	\$ 6,129	\$ 6,129	\$ -
09802815	Power Simulator	EID-304	\$ 35,218	\$ 35,218	\$ -
09900310	Utility Analytic Institute	EID-261	\$ 17,796	\$ 17,796	\$ -
09905507	CitrixSupport3Yr	EID-71	\$ 17,331	\$ 17,331	\$ -
09905507	InfraLicenseSupport4Yr	EID-79	\$ 13,927	\$ 13,927	\$ -
09905507	InfraRefreshSupport3Yr	EID-78	\$ 22,200	\$ 22,200	\$ -
09905507	MobileCollectorMaintenanceAnnualRenewal	EID-81	\$ 37,186	\$ 37,186	\$ -
09905507	NetmotionMaintenance3Yr	EID-76	\$ 36,689	\$ 36,689	\$ -
09905508	VerintAnnualSupport	EID-61	\$ 220,437	\$ 126,348	\$ (94,089)
09905507	ProxyProAnnualMaintenance	EID-75	\$ 44,534	\$ 48,839	\$ 4,305
09905507	VirtualApps&DesktopsRenewal3Yr	EID-77	\$ 48,421	\$ 48,421	\$ -
09905507	Visio Software maintenance (EA 2022)	EID-188	\$ 35,905	\$ 35,905	\$ 0
09905507	Win7EOLAnnualSupport	EID-74	\$ 50,140	\$	\$ (50,140)
09905507	Windows10LicensesAnnual (EA 2022)	EID-69	\$ 168,489	\$ 168,489	\$ -
09905507	Itron FCS/FC300	EID-182	\$ 8,234	\$ 8,234	\$ -
09905507	AdminStudioLicenses3Yr	EID-72	\$ 9,461	\$ 9,461	\$ -
09905507	iNetAnnualSubscription	EID-68	\$ 90,838	\$ 90,838	\$ -
09905507	Office365AnnualSubscription (EA 2022)	EID-70	\$ 438,851	\$ 438,851	\$ 0
09905507	RemittanceProcessingAnnualRenewal	EID-82	\$ 28,837	\$ 28,983	\$ 146
09905507	support for the hardware and software that enables virtual desktop environment	EID-437	\$ 29,662	\$ 29,662	\$ -
09905508	Actiance	EID-210	\$ 66,633	\$ 66,633	\$ -
09905508	AvayaAuraAnnualSupport	EID-64	\$ 165,057	\$ 115,540	\$ (49,517)



09905508	Email Vaulting Software	EID-216	\$	36,201	\$	36,201	\$	-
09905508	RightFaxAnnualSupport	EID-58	\$	19,793	\$	19,793	\$	-
09905508	Zetron Console Annual Maintenance	EID-221	\$	187,796	\$	187,796	\$	-
09905508	Audiocodes SBC	EID-211	\$	46,174	\$	46,174	\$	-
09905508	KollectiveVideoAnnual	EID-56	\$	50,661	\$	50,661	\$	-
09905508	TaitAnnualSupport	EID-60	\$	169,449	\$	169,449	\$	-
09905510	RedHat	EID-96	\$	15,189	\$	7,010	\$	(8,179)
09905508	Outbound Call Center	EID-476	\$	92,105	\$	85,020	\$	(7,085)
09905508	Rave Corporate Premium and Notifier	EID-434	\$	22,325	\$	22,325	\$	-
09905510	Physical Access Control	EID-94	\$	6,168			\$	(6,168)
09905509	Cisco - 5 year maintenance agreement through 3/31/2022	EID-139	\$	460,536	\$	460,536	\$	-
09905509	Cisco - Co-termed support through 4/30/2022	EID-140	\$	26,651	\$	26,651	\$	-
09905509	Cisco - Smartnet	EID-144	\$	3,161	\$	3,161	\$	0
09905509	Cisco - WLAN Controller	EID-141	\$	27,820	\$	30,434	\$	2,614
09905509	Cisco Smartnet	EID-147	\$	3,142	\$	3,142	\$	-
09905509	Cisco Smartnet	EID-148	\$	2,975	\$	2,975	\$	-
09905509	Cisco Smartnet	EID-149	\$	3,372	\$	3,372	\$	-
09905509	Cisco Smartnet	EID-150	\$	5,242	\$	5,242	\$	-
09905509	Cisco Smartnet	EID-151	\$	22,164	\$	22,164	\$	-
09905509	Cisco Smartnet	EID-152	\$	3,293	\$	3,293	\$	-
09905509	Cisco Smartnet	EID-153	\$	3,806	\$	3,806	\$	-
09905509	Nokia SAR Maintenance & Support	EID-165	\$	209,579	\$	209,579	\$	0
09905509	Nokia SAR Maintenance & Support	EID-168	\$	(10)			\$	10
09905509	SONET/MAN technology support	EID-163	\$	10,453	\$	10,453	\$	-
09905509	SONET/MAN technology support	EID-156	\$	46,982	\$	46,982	\$	-
09905509	WLAN Controller - Maintenance & support	EID-155	\$	19,860	\$	19,860	\$	-
09905509	OpManager	EID-175	\$	27,110	\$	27,112	\$	2
09905509	SMARTnet True Up 2021	EID-425	\$	89,978	\$	90,860	\$	882
09905509	DGN Head End Maintenance	EID-427	\$	34,566	\$	34,566	\$	0
09905509	Udemy for Business	EID-435	\$	11,761	\$	11,761	\$	-
09905509	Viprion Premium Service	EID-426	\$	155,659	\$	155,659	\$	-
09905510	Anti-Virus	EID-109	\$	1,409			\$	(1,409)
09905510	Anti-Virus	EID-99	\$	402,262	\$	405,759	\$	3,497
09905813	Customer Load disaggregation platform Service	EID-249	\$	171,994	\$	348,028	\$	176,034
09905510	Business Continuity Planning Tool	EID-100	\$	36,868	\$	36,868	\$	-
09905510	Certificate Management	EID-114	\$	30,279	\$	30,279	\$	-
09905510	Certificate Management	EID-115	\$	9,263	\$	9,263	\$	-
09905510	Cisco Identity Services Engine	EID-97	\$	3,899	\$	4,223	\$	325
09905510	IdentityNOW	EID-452	\$	63,933	\$	175,961	\$	112,029
09905813	Customer Load disaggregation platform Service	EID-250	\$	62,130	\$	128,562	\$	66,432
09905510	Firewalls	EID-131	\$	9,264	\$	9,264	\$	-
09905510	Firewalls	EID-132	\$	20,645	\$	20,645	\$	(0)
09905510	Phishing Training	EID-122	\$	16,910	\$	20,292	\$	3,382

09905813	Ultipro HRIS hosting services	EID-388	\$ 438,650	\$ 433,931	\$ (4,719)
09905510	SIEM	EID-98	\$ 19,901	\$ 19,901	\$ -
09905510	SIEM	EID-124	\$ 164,354	\$ 161,063	\$ (3,291)
09905510	Splunk Enterprise & Infrastructure Monitoring Support and Maintenance	EID-444	\$ 41,737	\$ 40,484	\$ (1,253)
09905510	Two Factor Authentication	EID-121	\$ 3,589	\$ 3,589	\$ -
09905510	Two Factor Authentication	EID-120	\$ 17,077	\$ 17,077	\$ -
09905510	CloudFlare DDoS Protection	EID-442	\$ 34,713	\$ 34,716	\$ 4
09905510	Vulnerability Scanning	EID-125	\$ 99,886	\$ 99,886	\$ -
09905510	Vulnerability Scanning	EID-126	\$ 15,037	\$ 12,030	\$ (3,007)
09905507	PremierStandardRenewal	EID-67	\$ 117,291	\$ 113,013	\$ (4,278)
09905510	PCI Compliance for the Call Center	EID-408	\$ 82,310	\$ 82,310	\$ -
09905510	Incident Response Retainer	EID-103	\$ 108,000	\$ 108,000	\$ -
09905510	Software Code Scanning Service	EID-480	\$ 56,584	\$ 56,584	\$ -
09905510	CRISP	EID-102	\$ 157,327	\$ 157,327	\$ -
09905510	MeridianKiosks	EID-429	\$ 20,963	\$ 21,562	\$ 599
09905510	nShield AMI	EID-440	\$ 90,606	\$ 90,606	\$ -
09905510	nShield CORP	EID-438	\$ 15,282	\$ 15,282	\$ -
09905510	nShield SCCI	EID-439	\$ 22,013	\$ 22,013	\$ -
09905510	Venafi Trust Protection	EID-441	\$ 10,376	\$ 10,376	\$ -
09905510	Edge Firewall Refresh DNS Licensing	EID-475	\$ 5,025	\$ 5,025	\$ -
09905510	BitSight - SPM Governance	EID-485	\$ 32,523	\$ 35,479	\$ 2,957
09905813	Customer Load disaggregation platform Service	EID-248	\$ 99,303	\$ 152,313	\$ 53,010
09905510	Edge Firewall Refresh	EID-481	\$ 2,127	\$ 4,254	\$ 2,127
09905510	Security Incident and Event Management (SIEM)	EID-479	\$ 2,898	\$ 8,694	\$ 5,796
09905513	AcronisAdvantageSupportRenewal3Yr	EID-83	\$ 13,613	\$ 13,613	\$ -
09905513	Active Directory Change Detection	EID-88	\$ 24,573	\$ 24,573	\$ -
09905513	AMI &CCB/MDM/Ivoxy/VMWare Licenses	EID-87	\$ 9,353	\$ 9,353	\$ -
09905513	Data Center Compute Hardware	EID-93	\$ 8,964	\$ 8,964	\$ -
09905513	Microsoft Server Software	EID-91	\$ 8,799	\$ 5,060	\$ (3,739)
09905513	Quest Diagnostics	EID-89	\$ 5,641	\$ 5,641	\$ -
09905513	RedHat	EID-193	\$ 6,850	\$ 6,850	\$ -
09905513	RedHat	EID-90	\$ 149,286	\$ 149,286	\$ -
09905513	VMWareELARenewal	EID-84	\$ 292,320	\$ 292,320	\$ -
09905513	Windows Server Licensing	EID-209	\$ 27,881	\$ 27,881	\$ -
09905513	VSphere&VCenterSupportRenewal3Yr	EID-86	\$ 14,990	\$ 14,990	\$ -
09905513	VMWareSupport3Yr	EID-85	\$ 6,342	\$ 6,342	\$ -
09905513	Embotics Data Center	EID-195	\$ 16,968	\$ 16,968	\$ -
09905813	ABB Nostradamus	EID-223	\$ 11,884	\$ 11,936	\$ 52
09905813	Accounting Lease Management software	EID-316	\$ 8,063	\$ 8,083	\$ 21
09905813	Accounting SEC reporting	EID-231	\$ 49,595	\$ 49,595	\$ -
09905813	Accounting Tax software	EID-351	\$ 35,899	\$ 35,899	\$ -
09905813	Aclara TWACS	EID-229	\$ 17,297	\$ 17,467	\$ 170
09905813	Adobe Software (Creative Cloud)	EID-232	\$ 43,775	\$ 43,775	\$ -

09905813	ADSS solver engine	EID-294	\$	21,421	\$	21,421	\$	-
09905813	Alation Metadata Management	EID-320	\$	14,715	\$	14,715	\$	-
09905813	Alation Metadata Management	EID-321	\$	30,902	\$	30,902	\$	-
09905813	AP Remittance processing software maintenance	EID-247	\$	25,383	\$	25,383	\$	-
09905813	AppDynamics	EID-234	\$	48,856	\$	48,856	\$	-
09905813	Arcos	EID-235	\$	205,563	\$	209,163	\$	3,600
09905813	Ascent GIS Imagery	EID-238	\$	13,068	\$	13,068	\$	-
09905813	Asset Works - Fleet Anywhere	EID-240	\$	51,012	\$	51,506	\$	493
09905813	Avista Mobile App Weather subscription	EID-302	\$	4,092	\$	4,092	\$	-
09905813	CC&B Maintenance	EID-341	\$	759,292	\$	760,429	\$	1,137
09905813	Circuit and Relay Coordination Program	EID-239	\$	7,297	\$	7,297	\$	-
09905813	Content Management Software for myAvista.com	EID-369	\$	11,436	\$	11,528	\$	92
09905813	Content publishing for HR (eView etc...)	EID-350	\$	41,948	\$	42,020	\$	71
09905813	Contract Tracking	EID-390	\$	27,468	\$	27,468	\$	-
09905510	Firewalls	EID-130	\$	83,436	\$	104,295	\$	20,859
09905813	CRM/CXP	EID-364	\$	28,750	\$	28,750	\$	-
09905813	CRM/CXP	EID-394	\$	508,100	\$	520,072	\$	11,972
09905813	CRM/CXP DevOps software	EID-258	\$	29,965	\$	33,500	\$	3,535
09905813	Data Science and Internal Audit software	EID-226	\$	27,581	\$	25,459	\$	(2,122)
09905813	Data Science and Internal Audit software	EID-227	\$	6,200	\$	6,200	\$	-
09905813	Deligent	EID-263	\$	42,759	\$	42,759	\$	-
09905813	Dell - TOAD	EID-262	\$	17,877	\$	17,877	\$	-
09905813	E-Business Suite Maintenance	EID-342	\$	85,486	\$	85,486	\$	-
09905813	E-Business Suite Maintenance	EID-339	\$	337,472	\$	340,781	\$	3,309
09905813	EIM MV90	EID-312	\$	28,078	\$	28,353	\$	275
09905813	Electric IRP & Rate Making	EID-275	\$	146,465	\$	144,603	\$	(1,862)
09905813	Employee relief fund software	EID-260	\$	32,229	\$	32,229	\$	-
09905813	Enterprise Learning Management	EID-374	\$	45,132	\$	45,132	\$	-
09905813	Enterprise Learning Management	EID-373	\$	32,548	\$	32,548	\$	-
09905813	eSignature subscription and maintenance	EID-265	\$	56,324	\$	58,017	\$	1,693
09905813	ESRI ELA	EID-278	\$	173,584	\$	173,584	\$	-
09905813	FME ETL licenses	EID-362	\$	19,631	\$	19,631	\$	-
09905813	GIS Mapping technology	EID-378	\$	33,296	\$	33,051	\$	(245)
09905813	Globalscape SFTP DMZ	EID-289	\$	9,143	\$	9,143	\$	(0)
09905813	IBM - Passport	EID-297	\$	557,736	\$	557,736	\$	-
09905813	Investor Relations Hosting for AvistaCorp	EID-382	\$	42,025	\$	42,025	\$	-
09905813	Itron Fixed Network	EID-310	\$	21,853	\$	21,853	\$	-
09905813	Itron Technology	EID-409	\$	19,094	\$	19,094	\$	-
09905813	Kettle Falls software	EID-222	\$	14,459	\$	14,459	\$	(0)
09905813	Key account CRM	EID-306	\$	16,007	\$	16,007	\$	-
09905813	Leave management software	EID-359	\$	14,929	\$	14,929	\$	-
09905813	Maintenance for Storm Center (Mobile App, myAvista.com outage map)	EID-300	\$	159,411	\$	159,411	\$	-
09905813	Maintenance for Utility Product Suite	EID-309	\$	34,304	\$	34,304	\$	-

09905813	MDM Maintenance	EID-343	\$	385,349	\$	387,892	\$	2,544
09905813	Microsoft Maintenance (SharePoint/ Yammer) (EA 2022)	EID-327	\$	152,858	\$	152,858	\$	-
09905813	Mobile App and myAvista.corp outage map subscription	EID-299	\$	46,166	\$	46,166	\$	-
09905813	myAvista customer tools	EID-256	\$	31,443	\$	31,443	\$	-
09905813	PI - Plant Information	EID-467	\$	211,621	\$	211,621	\$	-
09905813	Power World Builder	EID-358	\$	35,028	\$	35,028	\$	-
09905813	PowerDB Extended Software Support and Maintenance	EID-319	\$	17,467	\$	17,467	\$	-
09905813	Powerline - Eng/Drw	EID-357	\$	16,910	\$	17,040	\$	130
09905813	Powerline Eng/Drw	EID-356	\$	30,937	\$	31,175	\$	238
09905813	PrognoCIS Electronic Health Records	EID-252	\$	28,453	\$	28,630	\$	177
09905813	Regulatory Finance Software	EID-391	\$	16,350	\$	16,350	\$	-
09905813	SIEM	EID-372	\$	34,157	\$	43,507	\$	9,350
09905813	Stackvision for Rathdrum power plant	EID-277	\$	20,140	\$	20,140	\$	(0)
09905813	Synergi Electric	EID-287	\$	25,136	\$	25,136	\$	-
09905813	Synergi Gas - Customer Management & Steady State	EID-288	\$	12,900	\$	12,900	\$	-
09905813	Tableau expansion	EID-375	\$	89,297	\$	85,087	\$	(4,210)
09905813	CRM/CXP	EID-363	\$	1,628,762	\$	1,647,950	\$	19,188
09905813	Workforce training	EID-292	\$	34,880	\$	34,880	\$	0
09905813	Plexos Market Simulation: Gas	EID-433	\$	44,659	\$	44,659	\$	-
09905813	Microsoft Maintenance	EID-322	\$	381,066	\$	389,089	\$	8,022
09905813	Microsoft Maintenance	EID-325	\$	18,000	\$	18,000	\$	-
09905813	Microsoft Maintenance	EID-326	\$	13,000	\$	18,000	\$	5,000
09905813	ABB Mobile Work Management	EID-224	\$	150,836	\$	154,828	\$	3,992
09905813	ABB Mobile Work Management	EID-225	\$	81,861	\$	81,861	\$	-
09905813	myAvista Customer usage insights.	EID-228	\$	90,833	\$	90,833	\$	-
09905813	Actian Metamanager	EID-230	\$	66,414	\$	66,414	\$	-
09905813	Availability Workbench	EID-236	\$	17,430	\$	17,430	\$	-
09905813	Imagery Files for GIS	EID-237	\$	58,860	\$	58,860	\$	-
09905813	General Risk and Compliance Software Maintenance	EID-241	\$	45,152	\$	45,152	\$	-
09905813	Accounting SOX reporting	EID-242	\$	71,736	\$	72,975	\$	1,240
09905813	Autosol	EID-243	\$	41,279	\$	41,279	\$	-
09905813	Clarity	EID-253	\$	51,300	\$	52,058	\$	758
09905813	myAvista.com software	EID-257	\$	23,478	\$	23,464	\$	(14)
09905813	Enterprise Content Management Software (ECM)	EID-271	\$	15,786	\$	15,980	\$	194
09905813	AP Invoice processing software. Part of ECM solution	EID-272	\$	27,251	\$	26,584	\$	(667)
09905813	myAvista.com Customer Marketplace subscription	EID-273	\$	208,761	\$	208,761	\$	-
09905813	Power Base Software Maintenance	EID-274	\$	50,389	\$	46,512	\$	(3,876)
09905813	Crow - Transmission	EID-276	\$	21,296	\$	21,296	\$	-
09905813	GL Wand Accounting Software	EID-279	\$	37,053	\$	37,662	\$	609
09905813	Data Inventory Analysis	EID-280	\$	73,508	\$	79,633	\$	6,126
09905813	Filemaker software used by Deployment Service	EID-281	\$	4,525	\$	4,525	\$	-
09905813	Oracle Enterprise Budget and Plan Cloud Service (EBPCS)	EID-282	\$	275,007	\$	275,007	\$	-
09905813	Gartner	EID-283	\$	202,772	\$	207,890	\$	5,119

09905813	Globalscape SFTP	EID-291	\$	85,727	\$	85,727	\$	0
09905813	IBM Cognos	EID-296	\$	143,196	\$	143,196	\$	-
09905813	Avista Mobile App	EID-301	\$	24,000	\$	24,000	\$	-
09905813	IKEGPS Fees on GPS devices for construction personnel	EID-303	\$	29,356	\$	29,356	\$	-
09905813	Human Machine Interface (HMI) software for control screens for Generation Produ	EID-305	\$	47,202	\$	47,202	\$	-
09905813	Enterprise health & safety software	EID-308	\$	140,028	\$	140,028	\$	-
09905813	Itron - FCS	EID-311	\$	14,340	\$	14,445	\$	105
09905813	myAvista.com customer authentication Subscription	EID-317	\$	41,108	\$	41,108	\$	-
09905813	Compensation management software	EID-318	\$	24,829	\$	24,829	\$	-
09905813	Microsoft - SQL Databases	EID-323	\$	7,897	\$	7,897	\$	-
09905813	MuleSoft API	EID-330	\$	150,663	\$	153,000	\$	2,337
09905813	Java	EID-340	\$	58,794	\$	60,253	\$	1,459
09905813	Oracle Technology Maint	EID-344	\$	969,055	\$	976,449	\$	7,394
09905813	AutoCad	EID-348	\$	50,987	\$	53,240	\$	2,253
09905813	PluraSight Training	EID-349	\$	13,608	\$	13,608	\$	-
09905813	Accounting Assesst Management software	EID-352	\$	230,050	\$	230,050	\$	-
09905813	PowerWorld Simulator	EID-353	\$	43,257	\$	43,257	\$	-
09905813	EIM OMS & Front Office Software	EID-354	\$	30,065	\$	30,509	\$	444
09905813	Priority -Based Control Engineering	EID-360	\$	49,005	\$	49,005	\$	-
09905813	Schneider ArcAFM	EID-366	\$	272,250	\$	272,250	\$	-
09905813	Strategic information	EID-371	\$	168,950	\$	168,950	\$	-
09905813	Thermal operations software	EID-381	\$	23,635	\$	23,925	\$	290
09905813	Credit Scoring for Customers	EID-383	\$	24,539	\$	24,539	\$	-
09905508	Verint Call Center Software	EID-220	\$	3,925				(3,925)
09905813	Splunk	EID-393	\$	11,519	\$	14,673	\$	3,153
09905813	Kettle Falls Wonderware	EID-395	\$	16,922	\$	16,922	\$	-
09905813	Microsfot Maintenance	EID-324	\$	34,500	\$	34,500	\$	-
09905813	Ultipro custom modules	EID-387	\$	12,381	\$	12,381	\$	-
09905813	Vulnerability Manager	EID-423	\$	50,911	\$	51,304	\$	393
09905813	Depreciation Forecasting	EID-416	\$	6,157	\$	24,628	\$	18,471
09905813	Tableau Viewer Licenses	EID-376	\$	11,877	\$	28,504	\$	16,627
09905510	Anti-Virus	EID-107	\$	75,489	\$	89,963	\$	14,474
09905813	Plexos Market Simulation: Electric	EID-432	\$	59,125	\$	59,125	\$	-
09905813	CXP's portion fo the DAAP	EID-246	\$	21,124	\$	21,124	\$	(0)
09905813	Systrends SSO	EID-445	\$	15,151	\$	15,151	\$	-
09905813	Oracle Primavera	EID-428	\$	68,583	\$	69,148	\$	565
09905813	EV Tools for Customers	EID-410	\$	38,390	\$	39,240	\$	850
09905813	Pay Equity Advanced	EID-468	\$	17,894	\$	17,500	\$	(394)
09905813	Analytics Connector	EID-489	\$	12,359	\$	13,482	\$	1,124
09905813	Power Plan PAMS	EID-453	\$	45,399	\$	45,399	\$	-
09905813	Electric Vehicle Charging Software	EID-293	\$	40,000	\$	40,000	\$	(0)
09905813	SKM Power Tools (DAP)	EID-488	\$	3,571	\$	4,761	\$	1,190
09905510	Firewalls	EID-127	\$	220,677	\$	233,004	\$	12,327

09906502	Creston Butte telecom lease site	EID-173	\$	32,067	\$	32,067	\$	-
09906502	Elk Mountain telecom lease site	EID-157	\$	15,121	\$	15,121	\$	-
09906502	Monumental Mt telecom lease site	EID-174	\$	36,318	\$	36,318	\$	-
09906502	Mt. Scott telecom lease site	EID-164	\$	3,695	\$	3,695	\$	-
09906502	Mt. Spokane telecom lease site	EID-172	\$	105,913	\$	105,913	\$	-
09906502	Pre-Paid Non Lease Costs	EID-169	\$	4,920	\$	4,920	\$	-
09906502	Steptoe Butte telecom lease site	EID-171	\$	43,896	\$	43,896	\$	-
09906502	Teakean Butte telecom lease site	EID-161	\$	22,267	\$	22,267	\$	-

\$	20,288,427.47	\$	20,664,840.12	\$	376,412.65
Added notes for Exh. EMA-9					

Avista Utilities  
 Washington Jurisdiction  
 Proforma IS/IT Adjustment  
 For the Twelve Months ended September 30, 2021

	CD AA	CD AN	CD WA	CD ID	ED AN	ED WA	GD AA	GD OR	Total Costs	AS-Filed	Net Change	
Pro Forma System Non-Labor Costs	ISIT-2 \$ 2,494,368	ISIT-2 \$ (2,829)	\$ -	ISIT-2 \$ -	ISIT-2 \$ 111,853	ISIT-2 \$ (20,483)	\$ -	\$ -	\$ 2,582,909	\$ 2,124,678	\$ 458,231	
Pro Forma System Labor Costs	ISIT-3 776,787								776,787	469,000	307,787	
Adjust IS/IT Costs 2023 Pro Forma	\$ 3,271,155	\$ (2,829)	\$ -	\$ -	\$ 111,853	\$ (20,483)	\$ -	\$ -	\$ 3,359,696	\$ 2,593,678	\$ 766,018	
<b>Allocated to Washington Electric</b>												
9 (4-Factor, Common Electric and Gas North)	0.77218											
7 (4-Factor, Common All Services)	0.69998											
4 (Jurisdictional 4-Factor)	0.68266	\$ 1,563,116	\$ (1,491)	\$ -	\$ -	\$ 76,358	\$ (20,483)	\$ -	\$ -	\$ 1,617,500	\$ 1,261,590	\$ 355,910
<b>Allocated to Washington Gas</b>												
9 (4-Factor, Common Electric and Gas North)	0.22782											
7 (4-Factor, Common All Services)	0.20695											
4 (Jurisdictional 4-Factor)	0.72915	\$ 493,609	\$ (470)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 493,139	\$ 370,525	\$ 122,614
<b>Allocated to Idaho Electric</b>												
9 (4-Factor, Common Electric and Gas North)	0.77218											
7 (4-Factor, Common All Services)	0.69998											
4 (Jurisdictional 4-Factor)	0.31734	\$ 726,627	\$ (693)	\$ -	\$ -	\$ 35,496	\$ -	\$ -	\$ -	\$ 761,430		
<b>Allocated to Idaho Gas</b>												
9 (4-Factor, Common Electric and Gas North)	0.22782											
7 (4-Factor, Common All Services)	0.20695											
4 (Jurisdictional 4-Factor)	0.27085	\$ 183,356	\$ (175)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 183,181		
<b>Allocated to Oregon</b>												
7 (4-Factor, Common All Services)	0.09307	\$ 304,446	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 304,446		
	\$ (1)	0	-	-	1	-	-	-	-	0		

Service	Jurisdiction	A09 System	General Tech Type	Test Year						
				2018	2019	2020	Oct '20 - Sep '21	2022	2023	2024
CD	AA	Central Systems	Enabling Technology	\$ 455,849	\$ 424,559	\$ 418,494	\$ 567,061	\$ 582,787	\$ 580,896	\$ 580,896
CD	AA	Communication Systems	Enabling Technology	\$ 805,491	\$ 918,371	\$ 859,899	\$ 940,746	\$ 1,124,633	\$ 929,947	\$ 925,939
CD	AA	Distributed Systems	Enabling Technology	\$ 526,850	\$ 677,821	\$ 1,071,660	\$ 1,227,031	\$ 1,182,116	\$ 1,122,879	\$ 1,122,879
CD	AA	General Business Systems	General Business Systems	\$ 7,581,493	\$ 8,514,390	\$ 9,605,650	\$ 11,025,073	\$ 12,790,496	\$ 13,122,067	\$ 13,131,917
CD	AA	Network Systems	Enabling Technology	\$ 762,967	\$ 1,113,832	\$ 1,138,500	\$ 1,213,535	\$ 1,432,297	\$ 1,435,806	\$ 1,433,464
CD	AA	Security Systems	Security Systems	\$ 1,037,234	\$ 996,582	\$ 1,253,650	\$ 1,730,281	\$ 2,085,765	\$ 2,236,212	\$ 2,175,402
	AA Total			\$ 11,169,885	\$ 12,645,555	\$ 14,347,854	\$ 16,703,727	\$ 19,198,095	\$ 19,427,805	\$ 19,370,497
			<b>Adjustment</b>		\$ 1,475,670	\$ 1,702,299	\$ 2,355,873	\$ 2,494,368	\$ 229,711	\$ (57,308)
CD	AN	General Business Systems	General Business Systems	\$ 81,263	\$ 79,897	\$ 84,937	\$ 81,034	\$ 78,205	\$ 162,869	\$ 162,869
CD	AN	Network Systems	Enabling Technology	\$ 211,040	\$ -					
	AN Total			\$ 292,303	\$ 79,897	\$ 84,937	\$ 81,034	\$ 78,205	\$ 162,869	\$ 162,869
			<b>Adjustment</b>		\$ (212,406)	\$ 5,040	\$ (3,903)	\$ (2,829)	\$ 84,664	\$ -
ED	AN	General Business Systems	General Business Systems		\$ 116,570	\$ 810,613	\$ 953,915	\$ 1,065,768	\$ 1,054,809	\$ 1,055,918
	AN Total			\$ -	\$ 116,570	\$ 810,613	\$ 953,915	\$ 1,065,768	\$ 1,054,809	\$ 1,055,918
			<b>Adjustment</b>		\$ 116,570	\$ 694,044	\$ 143,302	\$ 111,853	\$ (10,959)	\$ 1,109
ED	WA	General Business Systems	General Business Systems			\$ 20,484	\$ 20,484			
ED	WA	Network Systems	Enabling Technology	\$ 175,879	\$ 167,708	\$ 108,271	\$ 106,206	\$ 106,207	\$ 106,207	\$ 106,207
	WA Total			\$ 175,879	\$ 167,708	\$ 128,755	\$ 126,690	\$ 106,207	\$ 106,207	\$ 106,207
			<b>Adjustment</b>		\$ (8,171)	\$ (38,953)	\$ (2,065)	\$ (20,483)	\$ -	\$ -
			<b>Total Adjustment</b>	\$ -	\$ 1,371,662	\$ 2,362,429	\$ 2,493,206	\$ 2,582,909	\$ 303,416	\$ (56,199)
Grand Total				\$ 11,638,068	\$ 13,009,730	\$ 15,372,160	\$ 17,865,366	\$ 20,448,275	\$ 20,751,691	\$ 20,695,491



<u>Known &amp; Measurable</u>	<u>Org Area</u>	<u>Role</u>	<u>Type</u>	<u>Driver</u>	<u>estimated 2022 O&amp;M impact</u>	<u>estimated 2023 O&amp;M impact</u>	<u>estimated 2024 O&amp;M impact</u>	<u>Note</u>	
<b>Status</b>	<b>Hire Date</b>								
delayed	Q2-Q3 2022	B09 INFR	Delivery Network System Technician	new	labor negotiations / TSA	\$ 64,980	\$ 66,929	\$ 68,937	hiring delayed due to delays in union contract ratification and hiring process
delayed	Q2-Q3 2022	B09 INFR	Operations Network System Technician	new	labor negotiations / TSA	\$ 64,980	\$ 66,929	\$ 68,937	hiring delayed due to delays in union contract ratification and hiring process
delayed	Q2-Q3 2022	B09 INFR	Operations Communication System Technician	new	labor negotiations / TSA	\$ 64,980	\$ 66,929	\$ 68,937	hiring delayed due to delays in union contract ratification and hiring process
filled	May 2022	P19 INFR	System Technician	new	TSA work	\$ 37,000	\$ 56,000	\$ 57,680	
in process	Q2 2022	C39 SEO	Vulnerability Management Analyst	new	Security	\$ 80,000	\$ 160,000	\$ 164,800	
filled	April 2022	C39 SEO	OT Security Engineer	new	Security	\$ 60,000	\$ 80,000	\$ 82,400	
New	Q2-Q3 2022	C39 SEO	TSA Compliance Analyst	new	TSA work / Security	\$ 20,000	\$ 140,000	\$ 144,200	Added in May 2022 - See description in tab "New Added Employees 2"
New	Q2-Q3 2022	C39 SEO	Mgr, Physical Security	new	TSA work / Security	\$ 20,000	\$ 140,000	\$ 144,200	Added in May 2022 - See description in tab "New Added Employees 2"
					<b>\$ 411,940</b>	<b>\$ 776,787</b>	<b>\$ 800,091</b>		

<b>Hire Date</b>	<b>Job Title</b>	<b>Job Description</b>	<b>Quantity</b>	<b>2022 O&amp;M impact</b>	<b>2023 O&amp;M impact (Annualized)</b>
Q3-Q4 2022	TSA Compliance Analyst	new In July of 2021, the Transportation Security Administration (TSA) issued Security Directives requiring Avista to comply with new compliance & security requirements. Since TSA Security Directives are only good for 1 year, it was not clear if this was a one-time exercise or an ongoing compliance program like NERC CIP. Through recent discussions with TSA, we have learned that the Security Directives will be renewed, and rulemaking will make this an ongoing compliance program like NERC CIP thus Avista needs to staff and manage this as a sustainable compliance program. This technical position is being added to implement and manage the ongoing technical security requirements of the TSA Security Directives so Avista can remain compliant with the TSA Security Directives.	1	\$ 20,000	\$ 140,000
Q3-Q4 2022	Mgr, Physical Security	new Physical Security responsibilities are currently embedded and shared among many cybersecurity professionals whose primary job responsibilities are protecting Avista from cybersecurity-related issues. As cybersecurity issues continue to grow in scope and complexity this model is difficult to maintain due to the increasing workload and focus needed for cybersecurity and the shortage of cybersecurity professionals. This position allows Avista to remove the responsibility for physical security from cybersecurity professionals so they can focus 100% on cybersecurity and instead recruit physical security professionals to take on the physical security this workload.	1	\$ 20,000	\$ 140,000
				<b>\$ 40,000</b>	<b>\$ 280,000</b>