

# PVGS Executive Cost Report

## All Budgets Recap

### August 2020

(\$ Millions)

**August 2020 MTD Capital Variance: (\$2.55) Under-run**

MTD	Comments
	<u>Budget Timing:</u>
(\$1.35)	Security Access Control Computer Repl. [Project delayed due to engineering but expect to recover by Q4] (\$0.82), ESF Transformer Repl. NBNX03 [Xmfr pulled from warehouse sooner than budgeted - Q3] (\$0.64), Misc. \$0.11
	<u>Budget Savings:</u>
(\$2.50)	Clarifiers Life Extension T6 [Project deferred to out years to support other emergent WRF projects] (\$1.35), Construction Power Repl. [This work has been deferred to out years] (\$0.34), Fire Protection Yard South Loop [Scope deferred to 2021] (\$0.33), Electrical Service Dependability [Project deferred to out years to support emergent station needs] (\$0.30), 2020 Payroll Load Rate Adjustment (2020 Exclusion) (\$0.18)
	<u>Budget Impacts:</u>
\$1.30	Digital SMP Phase I U3 [Lead unit implementation change from what was budgeted] \$0.75, WR Hassayampa Pumps [Emergent 2020 WRF project] \$0.55
<b>Total</b>	<b><u>(\$2.55)</u></b>

# PVGS Executive Cost Report

## All Budgets Recap

### August 2020

(\$ Millions)

**August 2020 YTD Capital Variance: (\$40.42) Under-run**

YTD	Comments
	<u>Budget Timing:</u>
(\$20.24)	S.C.O.R.E Supply Chain Optimization [Originally budgeted \$7.6M payment in March, however, will now be allocated monthly] (\$5.63), RCP Motor Repl 1R22 [Material move to the Emergency Spring 2R22 RCP Motor Repl] (\$4.45), Security Access Control Computer Repl. [Project delayed due to engineering but expect to recover by Q4] (\$2.71), SP Concrete Replacement [Delays associated with COVID19, will catch up by Q4] (\$1.77), Waste Centrifuge Piers Refurbishment [Implementation delayed due to WRF project priorities - Q4] (\$1.20), Normal Chiller Replacement U3 [Implementation delays - Q3] (\$1.11), Facilities Upgrades PA/Non PA [Due to scope and WA issuance later than budget - Q3] (\$1.10), I&C and Electrical 1R22 Outage 2020 [Due to the budgeting of material pull - Q3] (\$0.90), EDG Spare Generator [Shipping delays tied to final engineering - Oct] (\$0.81), Misc. (\$0.56)
	<u>Budget Savings:</u>
(\$28.69)	LPFW Heater Repl. 2R22 [Scope was removed from 2R22 due to COVID-19] (\$10.28), Clarifiers Life Extension T6 [Project deferred to out years to support other emergent WRF projects] (\$2.67), Construction Power Replacement 2020 [Project deferred to out years] (\$1.56), Piping-Fire Protection Yard South Loop [Scope deferred to 2021] (\$1.44), Vehicle Replacements 2020 [Reduction in overall vehicle purchases for the year] (\$1.39), LV 22 Blowdown M/U U2 [Project implementation moved to 2021 to correspond with outage] (\$1.31), MT/FW Lube Oil Conditioning U3 [Savings due to change in implementing unit] (\$1.28), Main Transformer New Spare [Tied to overall project savings] (\$1.23), eWP Advanced Interactive [Delays with Phase I have deferred implementation start to 2021] (\$1.12), RCP Motor Repl 1R22 [2020 Milestone payment was executed in 2019] (\$1.05), WR Well #1 [Project deferred to out years due to delays with permit] (\$1.00), ESF Xmfr NBNX03 [Scope has been removed from 2R22 due to COVID-19] (\$0.99), Concrete and Paving 2020 [Project deferred due to station priorities] (\$0.98), MT/FW Lube Oil Conditioning U1 [Project deferred from 2020] (\$0.89), 50.69 Alternative Procedure [Savings tied due to project delays in 2020] (\$0.72), 2019 Payroll Load True Up [2020 Exclusion] (\$0.42), 2020 Payroll Load Rate Adjustment [2020 Exclusion] (\$0.36)
\$8.51	<u>Budget Impacts:</u>
	2019 A&G Load True Up \$0.20 [2020 Exclusion], RCP Seal Replacement U3 1B [Emergent SNO] \$1.01, 45 Acre Inlet Structure [Emergent project not budgeted for in 2020] \$1.10, Circuit Breaker Repl. U1 2020 [Overrun tied to magne-blast breaker rebuilds] \$1.37, Emergent RCP Motor Repl 2R22 [Emergency 2R22 scope] \$4.83
<b>Total</b>	<b><u>(\$40.42)</u></b>

# PVGS Executive Cost Report

## All Budgets Recap

### August 2020

(\$ Millions)

**August 2020 YTD Inventory Variance: \$18.90 Over-run**

YTD	Comments
	<u>Budget Timing:</u>
\$17.15	Less Receipts (\$15.4); Less Issues \$23.68; Greater Adjustments \$17.52; Less Material Returns (\$13.29); Material Sales/Expense \$4.64
	<u>Budget Savings:</u>
\$0.00	
	<u>Budget Impacts:</u>
\$1.75	2019 Inventory Impacts [Less Issues / More Adjustments Partially offset by Less Receipts / Less Returns (\$4.77); MST / Support Ring Moved from Capital Project to Inventory \$6.52.
<b>Total</b>	<b><u><u>\$18.90</u></u></b>

## PVGS Executive Cost Report Nuclear Fuels

August 2020

(\$ Millions)

YTD	Project	Comments
	<u>FIP:</u>	
\$2.71	Uranium	Timing - EUP (U3O8 component) delivery budgeted in October moved to February
\$1.40	Conversion	Timing - EUP (Conversion component) delivery budgeted in October moved to February
\$1.38	Enrichment	Timing - EUP (SWU component) delivery budgeted in October moved to February
(\$22.33)	Fabrication	Savings - Reclass of VQP engineering cost from fabrication to outside svcs, coupled with U2C24 and U3C23 milestones moved to 2nd half of 2020
(\$2.74)	Use Tax	Timing - U3C23 Use Tax budgeted for July 2020 moved to January 2021
\$0.45	Labor	Impact - Framatome Fuel implementation project
\$9.20	Outside Services	Impact - Reclass of VQP engineering cost from fabrication to outside svcs
(\$0.14)	Other	Savings - NRC Fees associated with Framatome Fuel implementation project less than budgeted
Subtotal FIP	<u>(\$10.07)</u>	
	<u>DCS:</u>	
\$0.01	Labor	Timing - MAGNASTOR implementation project
(\$6.17)	Materials	Timing - MAGNASTOR material milestones
(\$0.07)	Outside Services	Timing - MAGNASTOR engineering services
\$0.15	Other	Impact - NRC fees for MAGNASTOR
\$3.07	DOE Settlement	Timing - DOE credit accrual follows dry cask storage expenditures
Subtotal DCS	<u>(\$3.01)</u>	
Total	<u><u>(\$13.08)</u></u>	

**PVGS Executive Cost Report  
O&M Power Block Report  
August 2020  
(\$000)**

	Current Month				Year-to-Date				Total	Remaining
	Budget	Actual	Variance	% Var	Budget	Actual	Variance	% Var	Budget	Budget
UNIT - 1	13,179	12,145	(1,034)	-8%	100,439	97,951	(2,487)	-2%	188,140	90,188
UNIT - 2	11,449	10,081	(1,368)	-12%	132,279	125,451	(6,828)	-5%	192,593	67,142
UNIT - 3	11,319	10,384	(935)	-8%	97,479	91,508	(5,971)	-6%	157,116	65,608
COMMON	1,037	1,377	340	33%	8,635	12,194	3,559	41%	14,134	1,940
PVUNALL	0	0	0	0%	(0)	0	0	0%	0	(0)
WRF	5,895	5,469	(426)	-7%	46,910	44,675	(2,236)	-5%	73,617	28,942
GENERAL	(0)	0	0	0%	(0)	148	148	0%	(0)	(148)
<b>TOTAL PV</b>	<b>42,879</b>	<b>39,457</b>	<b>(3,423)</b>	<b>-8%</b>	<b>385,741</b>	<b>371,927</b>	<b>(13,815)</b>	<b>-4%</b>	<b>625,600</b>	<b>253,673</b>
PAYROLL	17,574	17,368	(205)	-1%	158,689	159,172	483	0%	271,559	112,386
CONTRACT LABOR	2,486	2,451	(36)	-1%	27,083	27,486	403	1%	44,158	16,672
MATL / SUPPLIES	5,875	5,305	(570)	-10%	42,701	40,887	(1,814)	-4%	63,834	22,947
OUTSIDE SERVICES	2,901	2,921	20	1%	40,821	31,890	(8,931)	-22%	58,557	26,667
OTHER	14,043	11,412	(2,631)	-19%	116,447	112,491	(3,956)	-3%	187,492	75,001
<b>TOTAL PV</b>	<b>42,879</b>	<b>39,457</b>	<b>(3,423)</b>	<b>-8%</b>	<b>385,741</b>	<b>371,927</b>	<b>(13,815)</b>	<b>-4%</b>	<b>625,600</b>	<b>253,673</b>

# PVGS Executive Cost Report

## Capital Improvements Variance Summary

### August 2020

### (\$000)

		<----- Current Month ----->				<----- Year-to-Date ----->				Annual Budget
<u>Budget Category</u>		<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Percent</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Percent</u>	
1	Plant Modifications	2,995	2,888	(107)	-4%	30,421	28,350	(2,071)	-7%	46,395
2	Equipment & Replacements	3,790	3,791	1	0%	51,768	35,973	(15,795)	-31%	94,740
3	Buildings	1,065	508	(557)	-52%	7,978	2,257	(5,721)	-72%	8,995
4	General Plant	905	101	(804)	-89%	5,825	2,542	(3,283)	-56%	8,059
5	Computers	1,129	781	(349)	-31%	15,768	5,892	(9,875)	-63%	18,406
6	Water Rec Facility	2,340	1,810	(530)	-23%	25,467	23,632	(1,835)	-7%	35,162
7	Overheads	1,306	1,100	(206)	-16%	10,987	9,651	(1,336)	-12%	18,677
8	Emergent Work Fund	0	0	0	0%	500	0	(500)	-100%	2,566
9	Fukushima	0	0	0	0%	0	0	0	0%	0
11	Capitalized Incentives	0	0	0	0%	0	0	0	0%	0
Totals		13,530	10,979	(2,551)	-19%	148,715	108,298	(40,416)	-27%	233,000

**PVGS Executive Cost Report  
Nuclear Fuel Report  
August 2020  
(\$000)**

	<u>Current Month</u>			<u>Year-To-Date</u>			<u>Year-End</u>		
	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Forecast</u>	<u>Variance</u>
Fuel In Process	203	2,041	1,838	129,584	119,518	(10,066)	214,999	214,201	(798)
Fuel In Stock	-	-	-	-	-	-	-	-	-
Spent Fuel Disposal	-	-	-	-	-	-	-	-	-
Dry Cask Storage	3,319	849	(2,470)	4,843	1,833	(3,010)	(310)	175	485
<b>TOTAL NUCLEAR FUEL</b>	<b>3,522</b>	<b>2,890</b>	<b>(632)</b>	<b>134,427</b>	<b>121,351</b>	<b>(13,076)</b>	<b>214,689</b>	<b>214,376</b>	<b>(313)</b>

## PVGS Executive Cost Report

### Inventory Balance Sheet

#### August 2020

<b>July 2020 Ending Inventory Balance less Amortization</b>		<b>\$189,205,830</b>
 <b><u>Increases:</u></b>		
Receipts	\$2,363,846	
Returns	\$1,444,706	
Inventory Adjustments	(\$44,141)	
Intercompany Balance	\$0	
Accounting Adjustments	\$131,507	
Misc JVs (Repair Accrual)	\$0	
Misc JV (SOX Accrual)	\$0	
Subtotal	\$3,895,919	
 <b><u>Decreases:</u></b>		
Issues	(\$4,355,136)	
Net Change		(\$459,217)
 <b><u>Amortization Transactions:</u></b>		
Monthly Amortization Cost	(\$200,000)	
Write Offs & Sales	\$150,426	
		(\$49,574)
<b>August 2020 Ending Inventory Balance less Amortization</b>		<b>\$188,697,038</b>

**Notes:**

- Sales to outside utilities for the month was \$195 that was written off at original cost.
- The above sales were invoiced for a total of \$784 (net 30 days)
- Current month revenue received for sales to outside utilities totaled (\$589)
- To Date Amortization Balance = (\$37,625,959)
- Capitalized Spare Account Balance Original Cost = \$32,538,003



# **PVGS Executive Cost Report** **Major Inventory Transactions (Over \$25K)** **August 2020**

## **INVENTORY**

		<u>Qty</u>	<u>\$ Value</u>			<u>Qty</u>	<u>\$ Value</u>
<b>Issue:</b>	VLV ACTUATOR SMB-3W/H6BC	1	\$79,977	<b>Received:</b>	MOTOR, 1000 HP, 3572 RPM	1	\$27,274
	VLV ACTUATOR SMB-3W/H6BC	1	\$79,977		BUSHING, 24KV	1	\$50,247
	VFD FOR MAIN HOIST AF608	1	\$29,382		BREAKER, CIRCUIT K2000S	1	\$26,130
	CIV-SV ACTUATOR	1	\$78,128		VFD FOR MAIN HOIST AF608	1	\$29,382
	VALVE, SWING CHECK, 3IN	1	\$36,708		CIV-SV ACTUATOR	1	\$78,128
	VALVE, SWING CHECK, 3IN	2	\$73,416		MODULE, AUC PS, ARPS REPL	2	\$57,200
	BUSHING, FRONT	1	\$29,700		OXYGEN ANALYZER	1	\$36,076
	BUSHING, REAR	1	\$28,263		OXYGEN ANALYZER	1	\$36,076
	DISC, 24" CNTMNT ISOL	1	\$50,967		VALVE PRZ SAFETY 6 IN	4	\$404,868
	VALVE, 77L-001BB-1	2	\$62,267		INSTRUMENT BRIDLE SE LP1C	1	\$27,964
	O-RING SET, RV HEAD	1	\$72,400		INSTRUMENT LVL BRIDLE LP1	1	\$41,716
	PLUG, ESP, DEC-00508 PM 1	1	\$40,150		MOTOR 500 H.P., CTMU	1	\$87,445
	PLUG, ESP, DEC-00508 PM 2	1	\$40,150	<b>Restock:</b>	VALVE, SWING CHECK, 3IN	1	\$36,708
	SWITCH ASSEMBLY, REED	1	\$27,200		VALVE, SWING CHECK, 3IN	1	\$36,708
	BREAKER, CIRCUIT	1	\$70,635		VALVE, SWING CHECK, 3IN	1	\$36,708
	TANK, WASTE COLLECTION	1	\$26,924		VALVE, SWING CHECK, 3IN	1	\$36,708
	INSTRUMENT BRIDLE SE LP1C	1	\$27,964		MOTOR, 13.2HP/3600RPM	1	\$94,023
	INSTRUMENT LVL BRIDLE LP1	1	\$41,716		VALVE, SWING CHECK, 3IN	1	\$36,708
	VALVE, GATE, 4 IN	2	\$124,609		VALVE, SWING CHECK, 3IN	1	\$36,708
	0.75IN FLEX HOSE	1	\$34,186		VALVE, SWING CHECK, 3IN	1	\$36,708
	OXYGEN ANALZYER	1	\$38,926		TRANSFORMER, ESF	1	\$593,985
	MOTOR 500 H.P., CTMU	1	\$87,445		MOTOR 500 H.P., CTMU	1	\$87,445
	MOTOR INDUCTION RCP	1	\$284,332		MOTOR 500 H.P., CTMU	1	\$87,445

## Revenue, Budget, Actuals, Forecast Variance By Month August 2020

Description		Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Quantity (acre-feet):</b>														
T&T Units 1 & 2	Budget	3,674	274	193	206	94	547	382	454	433	424	98	365	204
	Act/F'cast	4,126	176	379	186	71	706	460	522	534	424	98	365	204
	Var	452	(98)	186	(20)	(23)	159	78	68	101	-	-	-	-
<b>Unit Rate (\$/acre-foot):</b>														
Transportation & Treatment		\$843												
<b>Revenue (\$ 000):</b>														
T&T Units 1 & 2	Budget	3,099	231	163	174	79	461	322	383	365	358	83	308	172
	Act/F'cast	3,481	149	320	157	60	596	388	440	450	358	83	308	172
	Var	382	(82)	157	(17)	(19)	135	66	57	85	(20)	(20)	(45)	(34)
Adjustments*	Act/F'cast	(119)	-	-	-	-	-	-	-	-	(20)	(20)	(45)	(34)
	Var	263	(82)	157	(17)	(19)	135	66	57	85	(20)	(20)	(45)	(34)
Initial Reserve Fee & Credits - U1 & U2	Budget	38	4	4	4	5	1	2	2	2	2	5	3	4
	Act/F'cast	35	4	1	4	5	1	2	2	2	2	5	3	4
	Var	(3)	-	(3)	-	-	-	-	-	-	-	-	-	-
Add'l Reserve Fee & Credits - U3 & U4	Budget	75	6	6	6	6	6	6	6	6	6	6	6	6
	Act/F'cast	75	6	6	6	6	6	6	6	6	6	6	6	6
	Var	-	-	-	-	-	-	-	-	-	-	-	-	-
2019 Transportation and Treatment True-Ups	Budget	-	-	-	-	-	-	-	-	-	-	-	-	-
	Act/F'cast	-	-	-	(260)	-	-	-	-	-	-	-	-	-
	Var	-	-	-	(260)	-	-	-	-	-	-	-	-	-
<b>Total Revenue</b>														
	Budget	3,212	241	173	184	91	469	330	391	373	366	94	317	182
	Act/F'cast	3,212	160	328	(92)	72	601	396	448	458	346	74	272	148
	Var	0	(82)	155	(276)	(19)	132	66	57	85	(20)	(20)	(45)	(34)

**PVGS Executive Cost Report**  
**Total Outage (O&M)**  
**August 2020**  
**(\$ Millions)**

	<u>Current Month</u>			<u>Year-To-Date</u>			<u>Year-End</u>		
<u>2020 Outages</u>	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Forecast</u>	<u>Var.</u>
Unit - 2	-	(0.04)	(0.04)	34.23	27.55	(6.68)	34.23	27.54	(6.68)
Unit - 1	1.66	1.37	(0.29)	1.81	1.99	0.18	28.96	28.80	(0.15)
<b>Sub-Total 2020 Outages</b>	<b>1.66</b>	<b>1.33</b>	<b>(0.33)</b>	<b>36.04</b>	<b>29.54</b>	<b>(6.50)</b>	<b>63.19</b>	<b>56.34</b>	<b>(6.83)</b>
 <u>2019 Outage Expenses</u>									
Unit - 3	-	0.01	0.01	-	(1.41)	(1.41)	-	(1.41)	(1.41)
<b>Sub-Total 2019 Outages</b>	<b>-</b>	<b>0.01</b>	<b>0.01</b>	<b>-</b>	<b>(1.41)</b>	<b>(1.41)</b>	<b>-</b>	<b>(1.41)</b>	<b>(1.41)</b>
<b>Total</b>	<b>1.66</b>	<b>1.34</b>	<b>(0.32)</b>	<b>36.04</b>	<b>28.13</b>	<b>(7.91)</b>	<b>63.19</b>	<b>54.93</b>	<b>(8.24)</b>

## PVGS Executive Cost Report APS Employees & Overtime Contract Labor Overtime August 2020

		APS			Contract Labor			
		Employees			Overtime %		Overtime %	
	<u>Organization</u>	<u>Budget</u>	<u>Actual</u>	<u>Var</u>	<u>Budget</u>	<u>Actual</u>	<u>Budget</u>	<u>Actual</u>
82PP	Nuclear Operations	1,103	1,073	(30)	5%	7%	2%	1%
97PP	Nuclear Engineering	310	304	(6)	0%	1%	0%	1%
96PP	Emergency Services & Support	463	465	2	9%	15%	2%	1%
83PP	Station Support Organizations	64	53	(11)	0%	0%	0%	7%
Total		1,940	1,895	(45)	5%	8%	2%	1%
Year-To-Date Average		1,968	1,936	(32)	8%	13%	11%	12%
Equivalent "Borrowed" Employees								
Current Month		56	55	(1)				
Year-To-Date		56	57	1				

Note: All budgets and actual include O&M, Capital and Fuel values.

# PVGS Executive Cost Report

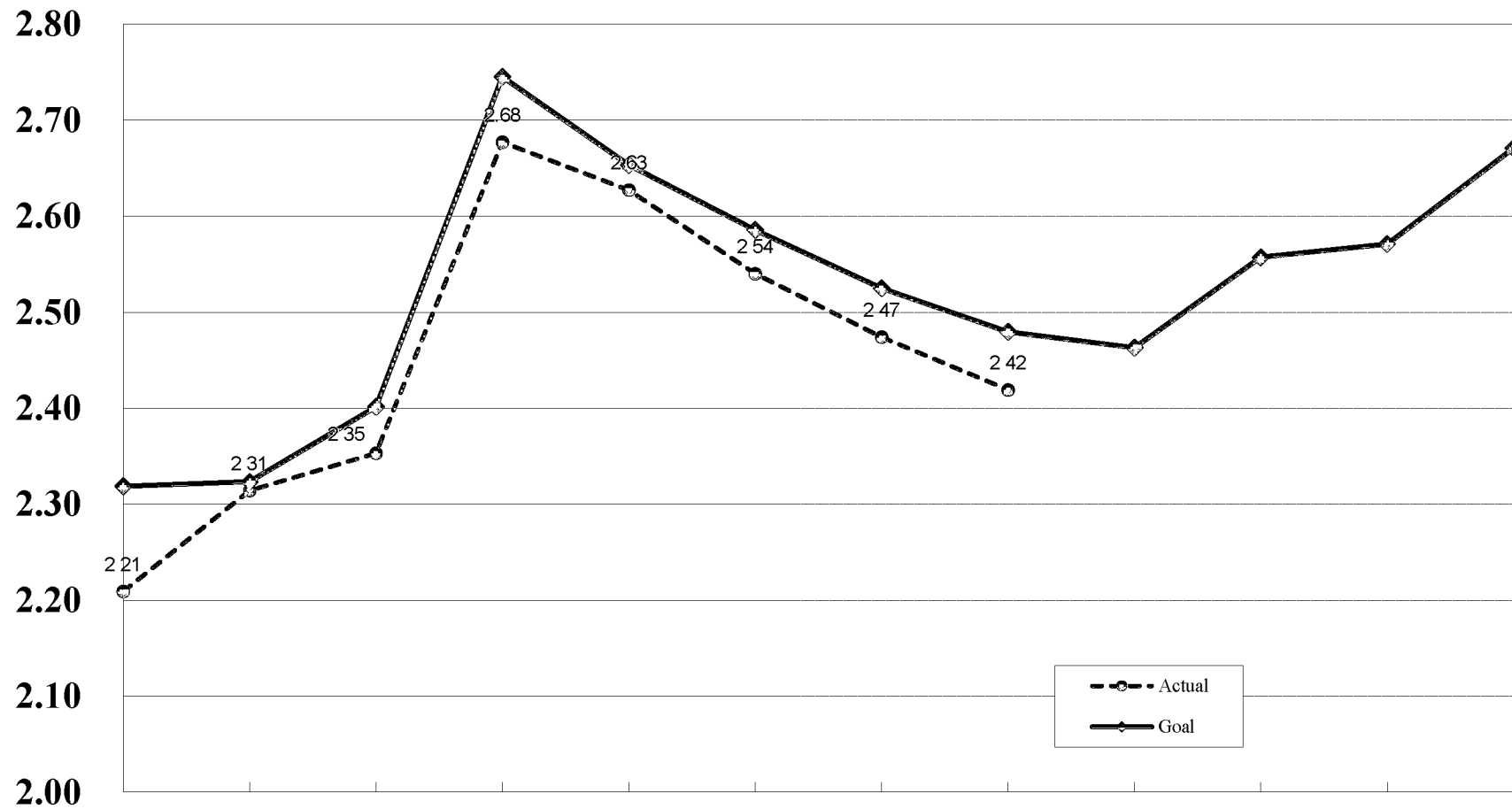
## Contract Labor and Outside Service Report

### August 2020

(\$000)

<u>ORGANIZATION</u>	Non-Outage O&M						Outage O&M					
	Contract Labor			Outside Services			Contract Labor			Outside Services		
	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>
<b>82PP Total Nuc Operations</b>												
Current Month	\$1,304	\$1,174	(\$130)	\$603	\$994	\$391	\$247	\$153	(\$94)	\$500	\$83	(\$417)
YTD Closed	\$10,827	\$11,218	\$390	\$7,558	\$7,137	(\$421)	\$8,193	\$6,688	(\$1,504)	\$5,308	\$1,961	(\$3,347)
<b>97PP Tot Nuclear Eng &amp; Support</b>												
Current Month	\$198	\$167	(\$31)	\$461	\$560	\$99	\$0	\$5	\$5	\$0	\$6	\$6
YTD Closed	\$1,455	\$1,429	(\$26)	\$5,143	\$4,434	(\$709)	\$126	\$89	(\$37)	\$7,651	\$6,359	(\$1,292)
<b>96PP Total Operations Support</b>												
Current Month	\$726	\$865	\$139	\$582	\$518	(\$64)	\$0	\$1	\$1	\$0	\$0	\$0
YTD Closed	\$6,278	\$6,933	\$654	\$4,763	\$6,086	\$1,323	\$125	\$158	\$32	\$203	\$241	\$38
<b>83PP Total Station Support</b>												
Current Month	\$11	\$85	\$74	\$755	\$760	\$5	\$0	\$0	\$0	\$0	\$0	\$0
YTD Closed	\$79	\$968	\$889	\$9,695	\$5,672	(\$4,023)	\$0	\$4	\$4	\$500	\$0	(\$500)
<b>Total</b>												
Current Month	\$2,239	\$2,291	\$52	\$2,401	\$2,832	\$431	\$247	\$159	(\$88)	\$500	\$90	(\$410)
YTD Closed	\$18,640	\$20,547	\$1,908	\$27,159	\$23,329	(\$3,830)	\$8,444	\$6,939	(\$1,505)	\$13,662	\$8,561	(\$5,101)

## PVGS Executive Cost Report 2020 YTD Production Costs



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Goal	2.32	2.32	2.40	2.75	2.65	2.59	2.52	2.48	2.46	2.56	2.57	2.67
Actual	2.21	2.31	2.35	2.68	2.63	2.54	2.47	2.42				

## PVGS Executive Cost Report

### O&M Cost per Kilowatt Hour

#### August 2020

A.	O&M Costs (\$000):	370,869	
	Amortization/Redhawk Tertiary	(2,752)	
	Incentives	786	
	<b>Net O&amp;M:</b>	<u>368,903</u>	
B.	Net Generation (MWh):		
	Unit 1	7,768,634	
	Unit 2	6,558,181	
	Unit 3	<u>7,407,233</u>	
	<b>Total</b>	<b><u>21,734,049</u></b>	
C.	Net O&M Cost per kWh:	1.697	Cents per KWhr (1 & 3)
D.	Nuclear Fuel Expense:	<u>0.722</u>	Cents per KWhr (2)
E.	Total O&M Cost per kWh (W/Fuel)	<b>2.419</b>	Cents per KWhr (1, 2, & 3)
I.	2019 Actual:	2.67	Cents per KWhr (1, 2, & 3)
II.	2018 Actual Revised:	2.69	Cents per KWhr (1, 2, & 3)
III.	2017 Actual Revised:	2.78	Cents per KWhr (1 & 2)
IV.	2016 Actual Revised:	2.81	Cents per KWhr (1 & 2)
V.	2015 Actual Revised:	2.78	Cents per KWhr (1 & 2)
VI.	2014 Actual Revised:	2.87	Cents per KWhr (1 & 2)
VII.	2013 Actual Revised:	2.93	Cents per KWhr (1 & 2)
VIII.	2012 Actual Revised:	2.92	Cents per KWhr (1 & 2)
IX.	2011 Actual Revised:	2.90	Cents per KWhr (1 & 2)
X.	2010 Actual Revised:	2.83	Cents per KWhr (1 & 2)

**Note: Revision of the Production Cost Calculation**

(1) O&M is calculated as O&M costs including incentives, less amortization

(2) Fuel Expense: YTD = \$156.9 M. The fixed and variable costs related to nuclear spent fuel rod storage are not included in the unit costs.

(3) O&M is calculated to exclude Redhawk Tertiary

**PVGS Executive Cost Report**  
**FERC Cost Report**  
**August 2020**  
**(\$ 000)**

		Current Month				Year to Date				Total	Remaining
		Budget	Actual	Variance	% Var	Budget	Actual	Variance	% Var	Budget	Budget
<b><u>Production Operations</u></b>											
5170000	517 Ops Supv & Eng	6,428	6,826	398	6%	50,911	49,786	(1,125)	-2%	75,018	25,232
5190000	519 Coolants and Water	4,163	4,031	(132)	-3%	31,872	30,988	(885)	-3%	50,241	19,253
5200000	520 Steam Expenses	2,020	2,082	62	3%	20,909	20,094	(815)	-4%	33,114	13,020
5230000	523 Electric Expenses	3,129	2,700	(430)	-14%	27,312	25,772	(1,540)	-6%	41,238	15,466
5240000	524 Misc Nuc Power Exp	8,709	8,026	(682)	-8%	77,725	75,597	(2,128)	-3%	141,452	65,855
5250000	525 Nuc Power Rents	-	-	-	0%	-	-	-	0%	-	-
<b>Total Production Operations</b>		<b>24,449</b>	<b>23,665</b>	<b>(785)</b>	<b>-3%</b>	<b>208,730</b>	<b>202,238</b>	<b>(6,492)</b>	<b>-3%</b>	<b>341,063</b>	<b>138,826</b>
<b><u>Production Maintenance</u></b>											
5280000	528 Supv & Eng	537	414	(122)	-23%	13,407	11,304	(2,103)	-16%	18,991	7,687
5290000	529 Maint of Structure	412	680	268	65%	3,296	4,552	1,257	38%	6,129	1,576
5300000	530 Maint of Reactor Plant Equip	3,530	1,866	(1,664)	-47%	37,163	23,155	(14,008)	-38%	62,498	39,343
5310000	531 Maint of Electric Plant	1,505	2,267	761	51%	14,753	22,325	7,572	51%	22,839	514
5320000	532 Maint of Misc Nuc Plant	388	524	136	35%	3,862	6,378	2,516	65%	6,249	(129)
<b>Total Production Maintenance</b>		<b>6,372</b>	<b>5,751</b>	<b>(621)</b>	<b>-10%</b>	<b>72,481</b>	<b>67,716</b>	<b>(4,765)</b>	<b>-7%</b>	<b>116,706</b>	<b>48,990</b>
<b><u>Transmission</u></b>											
5560000	556 Sys Cntl/Load Dispatch	602	498	(104)	-17%	4,821	4,038	(783)	-16%	7,229	3,191
<b>Total Transmissions</b>		<b>602</b>	<b>498</b>	<b>(104)</b>	<b>-17%</b>	<b>4,821</b>	<b>4,038</b>	<b>(783)</b>	<b>-16%</b>	<b>7,229</b>	<b>3,191</b>
<b><u>Other</u></b>											
4081001	408 Payroll Taxes	1,230	1,216	(14)	-1%	11,108	9,918	(1,190)	-11%	19,009	9,091
4082001	408 Other Taxes	-	-	-	0%	-	6	6	0%	-	(6)
4261000	426 Donations/Penalties	-	52	52	0%	61	198	137	224%	112	(86)
4264000	426 Civic Political	-	2	2	0%	-	18	18	0%	-	(18)
4265000	426 Other Deductions/Exp	-	-	-	0%	-	194	194	0%	-	(194)
9240000	924 Property Insurance	565	693	128	23%	4,524	(733)	(5,257)	-116%	6,786	7,519
9250000	925 Injuries & Damages	290	276	(14)	-5%	2,749	1,302	(1,447)	-53%	3,971	2,669
9250001	925 Injuries & Damages - Benefits	155	155	0	0%	1,303	664	(638)	-49%	1,941	1,276
9260001	926 Pensions & Benefits	3,016	1,213	(1,803)	-60%	25,399	17,759	(7,641)	-30%	37,841	20,082
9280000	928 Reg Commission Exp	1,455	1,180	(275)	-19%	11,720	10,892	(828)	-7%	17,621	6,729
9302000	930 Admin & General Exp	4,745	4,756	11	0%	42,846	57,718	14,872	35%	73,321	15,603
<b>Total Other</b>		<b>11,456</b>	<b>9,543</b>	<b>(1,913)</b>	<b>-17%</b>	<b>99,710</b>	<b>97,936</b>	<b>(1,774)</b>	<b>-2%</b>	<b>160,601</b>	<b>62,666</b>
<b>Total</b>		<b>42,879</b>	<b>39,457</b>	<b>(3,423)</b>	<b>-8%</b>	<b>385,741</b>	<b>371,927</b>	<b>(13,815)</b>	<b>-4%</b>	<b>625,600</b>	<b>253,673</b>



# **PVGS Executive Cost Report** **2020 Total (O&M and Capital) Actual Incentives with Loads** **August 2020**

\$	30,125	Est.	Total Year End Incentive
	-	Act	Total Unit-3 Outage Incentive (100 day run)
	<b>30,125</b>		<b>Subtotal Estimate Incentives for 2020</b>
<hr/>			
\$	10,242	Est.	Total Loads For Year-End Incentive
	-	Act	Total Unit-3 Outage Incentive (100 day run)
	<b>10,242</b>		<b>Subtotal Estimate Incentive Load for 2020</b>
<hr/>			
\$	336	Est.	2019 EIP True Up
	326	Est.	2019 EIP Incentive Payroll
	111	Est.	2019 EIP Incentive Loads
	<b>773</b>		<b>Subtotal Incentives - Prior Year Adjustments</b>
<hr/>			
\$	<b>41,140</b>		<b>Total (O&amp;M and Capital) Actual Incentives and Loads for 2020</b>

**PVGS Executive Cost Report**  
**Year End Forecast**  
**August 2020**  
(\$ Millions)

	YTD	Actuals								Forecast				Year End
	Actuals	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Variance
<b>O &amp; M</b>	<b>359.83</b>	<b>44.59</b>	<b>42.93</b>	<b>46.88</b>	<b>63.14</b>	<b>38.41</b>	<b>40.90</b>	<b>42.13</b>	<b>40.84</b>	<b>46.71</b>	<b>64.75</b>	<b>51.25</b>	<b>45.84</b>	<b>(14.53)</b>
<b>COVID-19 (Incremental) <sup>(2)</sup></b>	<b>4.35</b>	<b>-</b>	<b>-</b>	<b>0.60</b>	<b>1.75</b>	<b>0.59</b>	<b>0.41</b>	<b>0.67</b>	<b>0.33</b>	<b>0.52</b>	<b>0.62</b>	<b>0.45</b>	<b>0.10</b>	<b>6.04</b>
<b>COVID-19 (Non-Incremental) <sup>(2)</sup></b>	<b>2.23</b>	<b>-</b>	<b>-</b>	<b>0.05</b>	<b>1.25</b>	<b>0.35</b>	<b>0.15</b>	<b>0.33</b>	<b>0.10</b>	<b>0.16</b>	<b>0.16</b>	<b>0.16</b>	<b>0.16</b>	<b>2.87</b>
<b>Exclusions <sup>(1)</sup></b>	<b>4.74</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8.50</b>	<b>-</b>	<b>(1.95)</b>	<b>(1.81)</b>	<b>(1.89)</b>	<b>(1.85)</b>	<b>(1.71)</b>	<b>(1.98)</b>	<b>(2.68)</b>
<b>Incentives <sup>(w/ Loads &amp; Adj)</sup></b>	<b>0.78</b>	<b>-</b>	<b>-</b>	<b>0.44</b>	<b>-</b>	<b>0.34</b>	<b>-</b>	<b>0.01</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>38.92</b>	<b>(3.00)</b>
<b>Sub Total O&amp;M</b>	<b>371.93</b>	<b>44.59</b>	<b>42.93</b>	<b>47.97</b>	<b>66.14</b>	<b>48.19</b>	<b>41.46</b>	<b>41.19</b>	<b>39.46</b>	<b>45.50</b>	<b>63.68</b>	<b>50.14</b>	<b>83.05</b>	<b>(11.30)</b>
	YTD	Actuals								Forecast				Year End
	Actuals	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Variance
<b>Capital</b>	<b>108.62</b>	<b>10.09</b>	<b>12.07</b>	<b>16.46</b>	<b>24.40</b>	<b>10.85</b>	<b>14.83</b>	<b>8.89</b>	<b>11.04</b>	<b>34.07</b>	<b>46.29</b>	<b>28.66</b>	<b>11.10</b>	<b>(1.95)</b>
<b>COVID-19 (Incremental) <sup>(2)</sup></b>	<b>0.19</b>	<b>-</b>	<b>-</b>	<b>0.02</b>	<b>0.05</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.12</b>	<b>0.52</b>	<b>0.58</b>	<b>0.56</b>	<b>0.10</b>	<b>1.95</b>
<b>COVID-19 (Non-Incremental) <sup>(2)</sup></b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Exclusions <sup>(1)</sup></b>	<b>(0.58)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>(0.22)</b>	<b>-</b>	<b>(0.18)</b>	<b>(0.18)</b>	<b>(0.18)</b>	<b>(0.18)</b>	<b>(0.18)</b>	<b>(0.18)</b>	<b>(1.30)</b>
<b>Incentives <sup>(w/ Loads &amp; Adj)</sup></b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.44</b>	<b>(0.86)</b>
<b>Sub Total Capital</b>	<b>108.23</b>	<b>10.09</b>	<b>12.07</b>	<b>16.48</b>	<b>24.45</b>	<b>10.63</b>	<b>14.83</b>	<b>8.71</b>	<b>10.98</b>	<b>34.41</b>	<b>46.69</b>	<b>29.04</b>	<b>12.46</b>	<b>(2.16)</b>

(1) Exclusions include: Mid- Year True-Ups (A&G/PRD, Load Dispatch - Exhibit 1 A&G) and any Mid -Year Rate Changes.  
(2) COVID-19 FERC Account is 5240000 for all costs



**MICHAEL MCLAUGHLIN**  
Vice President  
Site Services

5801 S Wintersburg Rd  
Tonopah, AZ 85354

ID: 517-00006  
Date: October 9, 2020

To: File  
Sta. #  
Ext. #

From: M. McLaughlin  
Sta. # 7605  
Ext. # 82-5761

Subject: **PVGS September 2020 Executive Cost Report**

Attached is the PVGS Executive Cost Report that reflects information for September 2020 for the O&M (including incentives), Capital (including incentives), and Nuclear Fuel budgets. The report compares actual costs to budget for the month, year-to-date (YTD), and presents the year-end variances as summarized below:

(Millions of Dollars)

Category	YTD Budget	YTD Actual	Year – End Variance
O&M	431.49	415.66	(14.40)
Capital	177.57	142.66	(2.16)
Nuclear Fuel	163.68	152.43	(4.00)
Total	772.74	710.75	(20.56)

Please call me if you have any questions or comments.

MM / SB

Attachment

cc:	J. Cadogan	7602	J. McGill	7990
	J. Guldner	9040	T. Mionske	7990
	T. Horton	7602	E. Asturias	7990
	M. Lacal	7605		
	M. McLaughlin	7605		
	B. Rash	7602		

A decorative graphic consisting of several overlapping hexagons. The hexagons are in various colors: purple, blue, green, and grey. Some hexagons contain images: a nuclear power plant, a desert landscape with a saguaro cactus, and a blue sky with white clouds. The text is centered below the graphic.

# **Palo Verde Generating Station**

## **Executive Cost Report**

**September 2020**

**Prepared by**  
**Business Operations**

# Palo Verde Generating Station Executive Cost Report

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**PVGS Executive Cost Report**  
**All Budgets Recap**  
**September 2020**  
(\$ Millions)

	<u>Current Month</u>			<u>Year-to-Date</u>			<u>Year-End Forecast</u>		
	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Forecast</u>	<u>Var.</u>
<b>O &amp; M</b>	<b>45.75</b>	<b>43.73</b>	<b>(2.02)</b>	<b>430.89</b>	<b>414.88</b>	<b>(16.01)</b>	<b>582.90</b>	<b>571.50</b>	<b>(11.40)</b>
<b>Incentives</b> (w/ Loads & Adj)	-	-	-	0.61	0.78	0.17	42.70	39.70	(3.00)
<b>Sub Total O&amp;M</b>	<b>45.75</b>	<b>43.73</b>	<b>(2.02)</b>	<b>431.49</b>	<b>415.66</b>	<b>(15.84)</b>	<b>625.60</b>	<b>611.20</b>	<b>(14.40)</b>
<b>Capital</b>	<b>28.85</b>	<b>34.36</b>	<b>5.51</b>	<b>177.57</b>	<b>142.66</b>	<b>(34.91)</b>	<b>230.70</b>	<b>229.40</b>	<b>(1.30)</b>
<b>Incentives</b> (w/ Loads & Adj)	-	-	-	-	-	-	2.30	1.44	(0.86)
	<b>28.85</b>	<b>34.36</b>	<b>5.51</b>	<b>177.57</b>	<b>142.66</b>	<b>(34.91)</b>	<b>233.00</b>	<b>230.84</b>	<b>(2.16)</b>
<b>Nuclear Fuel</b>	<b>29.26</b>	<b>31.08</b>	<b>1.82</b>	<b>163.68</b>	<b>152.43</b>	<b>(11.26)</b>	<b>214.69</b>	<b>210.69</b>	<b>(4.00)</b>
<b>Total</b>	<b>103.86</b>	<b>109.16</b>	<b>5.31</b>	<b>772.74</b>	<b>710.74</b>	<b>(62.00)</b>	<b>1,073.29</b>	<b>1,052.73</b>	<b>(20.56)</b>
<b>Net Inventory</b>				<b>173.10</b>	<b>189.03</b>	<b>15.93</b>	<b>170.90</b>	<b>200.54</b>	<b>29.64</b>
<b>Revenue</b>	<b>0.37</b>	<b>0.34</b>	<b>(0.03)</b>	<b>2.62</b>	<b>2.71</b>	<b>0.09</b>	<b>3.21</b>	<b>3.21</b>	<b>0.00</b>

# PVGS Executive Cost Report

## All Budgets Recap

### September 2020

(\$ Millions)

**September 2020 MTD O&M Variance: (\$2.02)**

MTD	Comments
	<u>Budget Timing:</u>
\$0.00	Incentives:
\$0.85	Online: Station Services/Misc [Telephone] \$0.33, Engineering Services \$0.52
\$0.35	1R22: Material Withdrawal and Contract Labor \$0.35
	<u>Budget Savings:</u>
\$0.00	Incentives:
(\$3.92)	Online: Site Travel (\$0.32), Low Level Rad Waste Reclassification (\$0.85), Station Services [Fees/Dues/Other] (\$0.89), 2020 Payroll Load Rate Adjustment ( <i>2020 Exclusion</i> ) (\$1.86)
(\$0.15)	Outage: 2R22: Spring Outage Material Restocks
	<u>Budget Impacts:</u>
\$0.00	Incentives:
\$0.85	Online: COVID19 Incremental Support \$0.67, Destack/Restack Service Support/Misc \$0.18
\$0.00	Outage:
<b>Total</b>	<b><u>(\$2.02)</u></b>

# PVGS Executive Cost Report

## All Budgets Recap

### September 2020

(\$ Millions)

**September 2020 YTD O&M Variance: (\$15.84) Under-run**

YTD	Comments
	<u>Budget Timing:</u>
(\$3.32)	Online: Insurance (OCIP Adjustment- Workers Comp (October) (\$0.39), HR Relocation (\$0.50), Station Services (Fees/Dues/Other - 4th Qtr) (\$0.68), Site Support (HR Training, IT, Misc - 4th Qtr) (\$0.75), Sandia Labs/Policy Group (Contract Update - 4th Qtr) (\$1.00)
\$0.45	Outage: 1R22: Early Material Withdrawal (October)/Carpenter Support \$0.45
	<u>Budget Savings:</u>
(\$0.61)	Incentives: U3R21 100 Day Run
(\$26.26)	Online: Engineering License - ETAP (RUC) (\$0.10), Temporary Employee (Intern) (\$0.10), HR Relocation (\$0.63), Low Level Rad Waste Reclassification (\$0.85), SCORE/MLIS Replacement (\$1.21), Site Travel (\$2.10), Station Services (Fees/Dues/Other) (\$2.30), Site Emergent Work Fund/Site Support Misc (\$3.04), Insurance (Allocation Adjustment, NEIL/ICRP Reimbursement) (\$4.62), 2020 Payroll Load Rate Adjustment (2020 Exclusion) (\$5.62), 2019 Payroll Load True Up (2020 Exclusion) (\$5.69)
(\$8.59)	Outage: 3R21: Prior Year Outage Support (Final Invoicing/Material Returns) (\$1.77), 2R22: Spring Outage Scope COVID Mitigation/Headcount/Material Request Reduction/Emergent Work Fund (\$6.82)
	<u>Budget Impacts:</u>
\$0.78	Incentives: 2019 True-Up/EIP Update
\$21.71	Online: 2019 A&G Load True Up (2020 Exclusion) \$13.62, COVID19 Incremental Support \$5.02, Destack/Restack Service Support \$0.65, LPFWH 2R22 Deferral (Online) \$0.61, U3 RCP 1B/U2 FW SNO (APS Overtime, Labor OT, Materials) \$0.58, 2019 Exhibit 1 Load Dispatch True Up (2020 Exclusion) \$0.57, Material Average Unit Cost Adjustments \$0.20, Radwaste (Spent Fuel Pool Iron/Concentrates) \$0.11, Engineering Online Services - Plant and Design \$0.10, NAU Degree Program \$0.10, DOE (Insurance) \$0.10, U2 Main Feedwater Loss SNO (APS Overtime) \$0.05
\$0.00	Outage:
<b>Total</b>	<b><u>(\$15.84)</u></b>



# PVGS Executive Cost Report

## All Budgets Recap

### September 2020

(\$ Millions)

**September 2020 MTD Capital Variance: \$5.51 Over-run**

MTD	Comments
	<u>Budget Timing:</u>
\$3.02	S.C.O.R.E Supply Chain Optimization [Budgeted all spend in March, now being allocated monthly] \$0.71, SP Concrete Repl U3 [Implementation work is catching up from earlier year delays] \$0.95, Digital SMP Phase II [Associated with timing delays earlier in the year] \$1.45, Misc. (\$0.09)
	<u>Budget Savings:</u>
(\$1.52)	Clarifiers Life Extension T6 [Project deferred to out years to support other emergent WRF projects] (\$1.34), 2020 Payroll Load Rate Adjustment (2020 Exclusion ) (\$0.18)
	<u>Budget Impacts:</u>
\$4.01	SOCA Defensive Strategy Upgrades [Due to additional engineering needs] \$0.61, Digital SMP Phase I U3 [Lead unit implementation change from what was budgeted] \$0.89, LP Feedwater Heater Repl U1R22 [Due to additional heater replacement scope added in the Fall outage] \$2.51
<b>Total</b>	<b><u>\$5.51</u></b>

# PVGS Executive Cost Report

## All Budgets Recap

### September 2020

(\$ Millions)

**September 2020 YTD Capital Variance: (\$34.91) Under-run**

YTD	Comments
	<u>Budget Timing:</u> S.C.O.R.E Supply Chain Optimization [Originally budgeted \$7.6M payment in March, however, will now be allocated monthly] (\$4.92), RCP Motor Repl 1R22 [Material move to the Emergency Spring 2R22 RCP Motor Repl] (\$4.46), Security Access Control Computer Repl. [Project delayed due to engineering but expect to recover by Q4] (\$2.91), Waste Centrifuge Piers Refurbishment [Implementation delayed due to WRF project priorities - Q4] (\$1.20), Facilities Upgrades PA/Non PA [Due to scope and WA issuance later than budget - Q4] (\$1.10), Misc. (\$0.66)
(\$15.25)	
	<u>Budget Savings:</u> LPFW Heater Repl. 2R22 [Scope was removed from 2R22 due to COVID-19] (\$10.28), Clarifiers Life Extension T6 [Project deferred to out years to support other emergent WRF projects] (\$4.01), Construction Power Replacement 2020 [Project deferred to out years] (\$2.30), Piping-Fire Protection Yard South Loop [Scope deferred to 2021] (\$1.84), Vehicle Replacements 2020 [Reduction in overall vehicle purchases for the year] (\$1.61), Main Transformer New Spare [Tied to overall project savings] (\$1.33), LV 22 Blowdown M/U U2 [Project implementation moved to 2021 to correspond with outage] (\$1.31), eWP Advanced Interactive [Delays with Phase I have deferred implementation start to 2021] (\$1.22), RCP Motor Repl 1R22 [2020 Milestone payment was executed in 2019] (\$1.05), WR Well #1 [Project deferred to out years due to delays with permit] (\$1.00), ESF Xmfr NBNX03 [Scope has been removed from 2R22 due to COVID-19] (\$0.99), Concrete and Paving 2020 [Project deferred due to station priorities] (\$0.98), SP Concrete Replacement [Delays will push work into 2021] (\$0.82), 2019 Payroll Load True Up [2020 Exclusion] (\$0.42), 2020 Payroll Load Rate Adjustment [2020 Exclusion] (\$0.54)
(\$29.70)	
	<u>Budget Impacts:</u> 2019 A&G Load True Up \$0.20 [2020 Exclusion], Circuit Breaker Repl. U1 2020 [Overrun tied to magne-blast breaker rebuilds] \$1.75, LP Feedwater Heater Repl 1R22 [Overrun due to heater replacement scope added to the Fall outage] \$3.26, Emergent RCP Motor Repl 2R22 [Emergency 2R22 scope] \$4.83
\$10.04	
<b>Total</b>	<b><u>(\$34.91)</u></b>

# PVGS Executive Cost Report

## All Budgets Recap

### September 2020

(\$ Millions)

**September 2020 YTD Inventory Variance: \$15.93 Over-run**

YTD	Comments
\$14.18	<u>Budget Timing:</u> Less Receipts (\$15.42); Less Issues \$24.79; Greater Adjustments \$14.8; Less Material Returns (\$14.47); Material Sales/Expense \$4.48
\$0.00	<u>Budget Savings:</u>
\$1.75	<u>Budget Impacts:</u> 2019 Inventory Impacts [Less Issues / More Adjustments Partially offset by Less Receipts / Less Returns (\$4.77); MST / Support Ring Moved from Capital Project to Inventory \$6.52.
<b>Total</b>	<b><u><u>\$15.93</u></u></b>

## PVGS Executive Cost Report Nuclear Fuels

September 2020

(\$ Millions)

YTD	Project	Comments
	<u>FIP:</u>	
(\$1.64)	Uranium	Timing - EUP (U3O8 component) delivery budgeted in October moved to February, coupled with savings driven by UF6 quantities estimate for September and delivery prices less than budgeted
\$1.12	Conversion	Timing - EUP (Conversion component) delivery budgeted in October moved to February
\$1.38	Enrichment	Timing - EUP (SWU component) delivery budgeted in October moved to February
(\$17.74)	Fabrication	Savings - Reclass of VQP engineering cost from fabrication to outside svcs, coupled with U3C23 3rd and 4th milestone moved to 2021
(\$3.93)	Use Tax	Savings - U3C23 Use Tax budgeted for July 2020 moved to January 2021, coupled with U1C23/U2C23 Use Tax revision driven by U3O8 AUC correction
\$0.45	Labor	Impact - Framatome Fuel implementation project
\$9.50	Outside Services	Impact - Reclass of VQP engineering cost from fabrication to outside svcs
(\$0.22)	Other	Savings - NRC Fees associated with Framatome Fuel implementation project less than budgeted
Subtotal FIP	<u>(\$11.08)</u>	
	<u>DCS:</u>	
\$0.11	Labor	Timing - MAGNASTOR implementation project
(\$6.74)	Materials	Timing - MAGNASTOR material milestones
(\$0.18)	Outside Services	Timing - MAGNASTOR engineering services
\$0.15	Other	Impact - NRC fees for MAGNASTOR
\$6.49	DOE Settlement	Timing - DOE credit accrual follows dry cask storage expenditures
Subtotal DCS	<u>(\$0.18)</u>	
Total	<u><u>(\$11.26)</u></u>	

**PVGS Executive Cost Report  
O&M Power Block Report  
September 2020  
(\$000)**

	Current Month				Year-to-Date				Total	Remaining
	Budget	Actual	Variance	% Var	Budget	Actual	Variance	% Var	Budget	Budget
UNIT - 1	12,607	13,166	559	4%	113,045	111,117	(1,928)	-2%	188,140	77,023
UNIT - 2	13,070	11,570	(1,500)	-11%	145,349	137,021	(8,328)	-6%	192,593	55,572
UNIT - 3	12,956	12,064	(892)	-7%	110,435	103,572	(6,863)	-6%	157,116	53,543
COMMON	1,085	1,408	324	30%	9,719	13,602	3,883	40%	14,134	532
PVUNALL	0	(0)	(0)	0%	(0)	0	0	0%	0	(0)
WRF	6,033	5,667	(365)	-6%	52,943	50,342	(2,601)	-5%	73,617	23,275
GENERAL	0	(148)	(148)	0%	(0)	0	0	0%	(0)	(0)
<b>TOTAL PV</b>	<b>45,750</b>	<b>43,728</b>	<b>(2,022)</b>	<b>-4%</b>	<b>431,491</b>	<b>415,655</b>	<b>(15,837)</b>	<b>-4%</b>	<b>625,600</b>	<b>209,945</b>
PAYROLL	19,657	19,972	315	2%	178,346	179,144	798	0%	271,559	92,414
CONTRACT LABOR	3,103	4,007	905	29%	30,186	31,494	1,308	4%	44,158	12,664
MATL / SUPPLIES	4,282	3,545	(737)	-17%	46,983	44,432	(2,551)	-5%	63,834	19,402
OUTSIDE SERVICES	3,787	3,025	(762)	-20%	44,608	34,915	(9,693)	-22%	58,557	23,642
OTHER	14,922	13,179	(1,742)	-12%	131,368	125,670	(5,699)	-4%	187,492	61,822
<b>TOTAL PV</b>	<b>45,750</b>	<b>43,728</b>	<b>(2,022)</b>	<b>-4%</b>	<b>431,491</b>	<b>415,655</b>	<b>(15,837)</b>	<b>-4%</b>	<b>625,600</b>	<b>209,945</b>

# PVGS Executive Cost Report

## Capital Improvements Variance Summary

### September 2020

(\$000)

		<----- Current Month ----->				<----- Year-to-Date ----->				Annual Budget
<u>Budget Category</u>		<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Percent</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Percent</u>	
1 Plant Modifications		4,285	6,162	1,877	44%	34,706	34,512	(194)	-1%	46,395
2 Equipment & Replacements		18,692	23,197	4,505	24%	70,461	59,171	(11,290)	-16%	94,740
3 Buildings		272	502	231	85%	8,250	2,760	(5,490)	-67%	8,995
4 General Plant		1,100	175	(925)	-84%	6,925	2,717	(4,208)	-61%	8,059
5 Computers		773	1,363	590	76%	16,541	7,255	(9,286)	-56%	18,406
6 Water Rec Facility		2,373	1,846	(527)	-22%	27,840	25,477	(2,363)	-8%	35,162
7 Overheads		1,359	1,119	(240)	-18%	12,346	10,770	(1,576)	-13%	18,677
8 Emergent Work Fund		0	0	0	0%	500	0	(500)	-100%	2,566
9 Fukushima		0	0	0	0%	0	0	0	0%	0
11 Capitalized Incentives		0	0	0	0%	0	0	0	0%	0
Totals		28,855	34,365	5,510	19%	177,569	142,663	(34,906)	-20%	233,000

**PVGS Executive Cost Report  
Nuclear Fuel Report  
September 2020  
(\$000)**

	<u>Current Month</u>			<u>Year-To-Date</u>			<u>Year-End</u>		
	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Forecast</u>	<u>Variance</u>
Fuel In Process	33,536	32,521	(1,015)	163,120	152,039	(11,081)	215,000	210,940	(4,060)
Fuel In Stock	-	-	-	-	-	-	-	-	-
Spent Fuel Disposal	-	-	-	-	-	-	-	-	-
Dry Cask Storage	(4,279)	(1,446)	2,833	563	387	(176)	(310)	(251)	59
<b>TOTAL NUCLEAR FUEL</b>	<b>29,257</b>	<b>31,075</b>	<b>1,818</b>	<b>163,683</b>	<b>152,426</b>	<b>(11,257)</b>	<b>214,690</b>	<b>210,689</b>	<b>(4,001)</b>

## PVGS Executive Cost Report

### Inventory Balance Sheet

### September 2020

<b>August 2020 Ending Inventory Balance less Amortization</b>		<b>\$188,697,038</b>
 <b><u>Increases:</u></b>		
Receipts	\$3,913,851	
Returns	\$1,117,661	
Inventory Adjustments	(\$36,732)	
Intercompany Balance	\$0	
Accounting Adjustments	\$3,689,319	
Misc JVs (Repair Accrual)	\$0	
Misc JV (SOX Accrual)	\$0	
Subtotal	\$8,684,100	
 <b><u>Decreases:</u></b>		
Issues	(\$8,143,546)	
Net Change		\$540,554
 <b><u>Amortization Transactions:</u></b>		
Monthly Amortization Cost	(\$200,000)	
Write Offs & Sales	(\$10,809)	
		(\$210,809)
<b>September 2020 Ending Inventory Balance less Amortization</b>		<b>\$189,026,784</b>

**Notes:**

- Sales to outside utilities for the month was \$43,402 that was written off at original cost.
- The above sales were invoiced for a total of \$70,498 (net 30 days)
- Current month revenue received for sales to outside utilities totaled (\$27,096)
- To Date Amortization Balance = (\$37,836,768)
- Capitalized Spare Account Balance Original Cost = \$32,538,003



# PVGS Executive Cost Report Major Inventory Transactions (Over \$25K) September 2020

## INVENTORY

		<u>Qty</u>	<u>\$ Value</u>			<u>Qty</u>	<u>\$ Value</u>
Issue:	CONTROLLER, SYSTEM	1	\$25,775	Received:	DISK STACK, ADV UPGRADE	1	\$0
	TRANSFORMER, ESF	1	\$593,985		REPLACED BY 4468-25	1	\$311,662
	VALVE, RELIEF, 1 X 1 IN	1	\$28,757		FLOW METER ULTRASONIC	1	\$24,530
	BREAKER, CIRCUIT	1	\$190,000		PUMP ASSEMBLY, EHC	1	\$40,000
	GOVERNOR, SPEED	1	\$49,492		FLOW METER ULTRASONIC	2	\$49,060
	CKT.BRK,600A,50-225A TAP	1	\$29,038		CIRC WATER SUCTION BELL	1	\$37,400
	CAMERA, THERMAL/CCD/PTZ	2	\$72,077		CIRC WATER PUMP DIFFUSER	1	\$184,000
	6 INCH BALL VALVE	1	\$28,204		SOLENOID GLOBE VALVE	1	\$30,610
	SEVERE SERVICE KIT 14IN	1	\$42,766		VALVE,SOLENOID GLOBE 1IN	1	\$31,786
	VALVE, GATE, 10IN, 150LB	1	\$154,726		BUSHING, FRONT	1	\$31,263
	FLOW METER ULTRASONIC	1	\$25,904		ENRICHED BORIC ACID	2	\$138,400
	MOTOR, 13.2HP/3600RPM	1	\$94,023		CAMERA, THERMAL/CCD/PTZ	6	\$202,200
	WEDGE, GATE VALVE	2	\$52,976		BEARING SHOES LWR GUIDE	2	\$69,064
	BALL VALVE	2	\$50,606		BEARING SHOES THRUST	2	\$65,622
	FLOW METER ULTRASONIC	2	\$25,904		THRUST BEARINGS RCP	1	\$33,820
	PUMP OIL 2.5" X 2"	1	\$39,866		CIRC WATER PUMP SHAFT	1	\$48,470
	PREAMP/FILTER ASM.	1	\$65,933		BREAKER, 2500 AMP, TPMM	1	\$30,837
	SEVERE SERVICE KIT 14"	1	\$31,438		MOTOR, RCP, 12000HP	1	\$284,332
	VALVE, 4" BUTTERFLY	1	\$40,737	Restock:	CONTROLLER, SYSTEM	1	\$25,775
	CIRC WATER SUCTION BELL	1	\$37,400		SWITCH ASSEMBLY, REED	1	\$27,200
	CIRC WATER PUMP DIFFUSER	1	\$184,000		BREAKER, CIRCUIT	1	\$70,635
	6 INCH BALL VALVE	1	\$28,204		VALVE, RELIEF, 1 X 1 IN	1	\$28,757
	BALL VALVE	1	\$25,303		SEVERE SERVICE KIT 14IN	1	\$42,766
	CAMERA, THERMAL/CCD/PTZ	2	\$72,725		DISC, 24" CNTMNT ISOL	1	\$50,967
	MAIN STM CIV-IV	1	\$71,382		PUMP, ASSEMBLY, EHC	1	\$32,000
	PUMP MAIN EHC "B" TRAIN	2	\$118,206		PUMP, ASSEMBLY, EHC	1	\$32,000
	MOTOR, 8.0HP, 3510RPM	1	\$44,969		PUMP ASSEMBLY, EHC	1	\$40,000
	VALVE PRZ SAFETY 6 IN	4	\$404,868		6" GATE VALVE W/OPERATOR	1	\$66,013
	CAMERA, THERMAL/CCD/PTZ	1	\$36,362				
	CIRC WATER PUMP SHAFT	1	\$48,470				
	ENRICHED BORIC ACID	2	\$73,712				
	BREAKER, 2500 AMP, TPMM	1	\$30,837				
	BUSHING, FRONT	1	\$30,482				
	BUSHING, REAR	1	\$28,263				
	CONTROL VALVE ACTUATOR	1	\$91,845				
	ROCKER, EXH PUSH ROD, DG	1	\$36,444				
	WEDGE, GATE VALVE	1	\$26,905				
	CYLINDER, HYDRAULIC	2	\$29,942				
	MOTOR, RCP, 12000HP	1	\$284,332				

## Revenue, Budget, Actuals, Forecast Variance By Month September 2020

Description		Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Quantity (acre-feet):</b>														
T&T Units 1 & 2	Budget	3,674	274	193	206	94	547	382	454	433	424	98	365	204
	Act/F'cast	4,090	176	379	186	71	706	460	522	534	389	98	365	204
	Var	416	(98)	186	(20)	(23)	159	78	68	101	(35)	-	-	-
<b>Unit Rate (\$/acre-foot):</b>														
Transportation & Treatment		\$843												
<b>Revenue (\$ 000):</b>														
T&T Units 1 & 2	Budget	3,099	231	163	174	79	461	322	383	365	358	83	308	172
	Act/F'cast	3,451	149	320	157	60	596	388	440	450	328	83	308	172
Adjustments*	Act/F'cast	(89)	-	-	-	-	-	-	-	-	-	(20)	(45)	(24)
	Var	263	(82)	157	(17)	(19)	135	66	57	85	(30)	(20)	(45)	(24)
Initial Reserve Fee & Credits - U1 & U2	Budget	38	4	4	4	5	1	2	2	2	2	5	3	4
	Act/F'cast	35	4	1	4	5	1	2	2	2	2	5	3	4
	Var	(3)	-	(3)	-	-	-	-	-	-	-	-	-	-
Add'l Reserve Fee & Credits - U3 & U4	Budget	75	6	6	6	6	6	6	6	6	6	6	6	6
	Act/F'cast	75	6	6	6	6	6	6	6	6	6	6	6	6
	Var	-	-	-	-	-	-	-	-	-	-	-	-	-
2019 Transportation and Treatment True-Ups	Budget	-	-	-	-	-	-	-	-	-	-	-	-	-
	Act/F'cast	-	-	-	(260)	-	-	-	-	-	-	-	-	-
	Var	-	-	-	(260)	-	-	-	-	-	-	-	-	-
<b>Total Revenue</b>														
	Budget	3,212	241	173	184	91	469	330	391	373	366	94	317	182
	Act/F'cast	3,212	160	328	(92)	72	601	396	448	458	336	74	272	158
	Var	0	(82)	155	(276)	(19)	132	66	57	85	(30)	(20)	(45)	(24)

**PVGS Executive Cost Report**  
**Total Outage (O&M)**  
**September 2020**  
**(\$ Millions)**

	<u>Current Month</u>			<u>Year-To-Date</u>			<u>Year-End</u>		
<u>2020 Outages</u>	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Forecast</u>	<u>Var.</u>
Unit - 2	-	(0.15)	(0.15)	34.23	27.40	(6.82)	34.23	27.40	(6.82)
Unit - 1	(0.58)	(0.31)	0.27	1.23	1.68	0.45	28.96	28.94	(0.01)
<b>Sub-Total 2020 Outages</b>	<b>(0.58)</b>	<b>(0.45)</b>	<b>0.13</b>	<b>35.46</b>	<b>29.09</b>	<b>(6.37)</b>	<b>63.19</b>	<b>56.34</b>	<b>(6.83)</b>
 <u>2019 Outage Expenses</u>									
Unit - 3	-	(0.01)	(0.01)	-	(1.42)	(1.42)	-	(1.42)	(1.42)
<b>Sub-Total 2019 Outages</b>	<b>-</b>	<b>(0.01)</b>	<b>(0.01)</b>	<b>-</b>	<b>(1.42)</b>	<b>(1.42)</b>	<b>-</b>	<b>(1.42)</b>	<b>(1.42)</b>
<b>Total</b>	<b>(0.58)</b>	<b>(0.46)</b>	<b>0.11</b>	<b>35.46</b>	<b>27.67</b>	<b>(7.79)</b>	<b>63.19</b>	<b>54.92</b>	<b>(8.25)</b>

## PVGS Executive Cost Report APS Employees & Overtime Contract Labor Overtime September 2020

		APS			Contract Labor			
		Employees			Overtime %		Overtime %	
	<u>Organization</u>	<u>Budget</u>	<u>Actual</u>	<u>Var</u>	<u>Budget</u>	<u>Actual</u>	<u>Budget</u>	<u>Actual</u>
82PP	Nuclear Operations	1,116	1,068	(48)	5%	10%	4%	6%
97PP	Nuclear Engineering	310	304	(6)	2%	1%	0%	4%
96PP	Emergency Services & Support	463	462	(1)	11%	23%	2%	3%
83PP	Station Support Organizations	64	53	(11)	0%	0%	0%	7%
Total		1,953	1,887	(66)	6%	11%	4%	5%
Year-To-Date Average		1,966	1,930	(36)	8%	13%	10%	11%
Equivalent "Borrowed" Employees								
Current Month		56	56	0				
Year-To-Date		56	56	0				

Note: All budgets and actual include O&M, Capital and Fuel values.

# PVGS Executive Cost Report

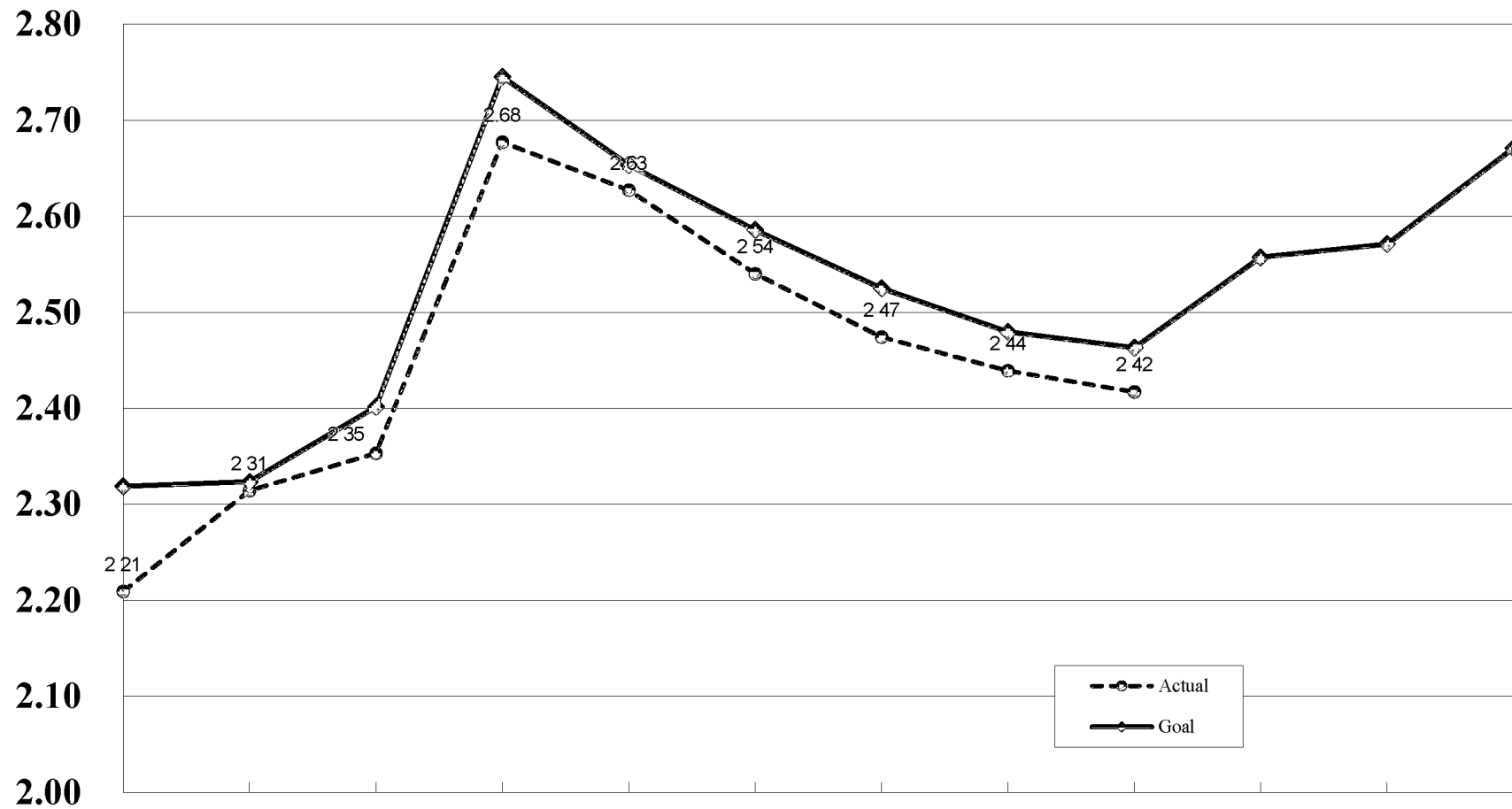
## Contract Labor and Outside Service Report

### September 2020

(\$000)

ORGANIZATION	Non-Outage O&M						Outage O&M					
	Contract Labor			Outside Services			Contract Labor			Outside Services		
	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>
<b>82PP Total Nuc Operations</b>												
Current Month	\$1,541	\$1,511	(\$29)	\$1,103	\$11	(\$1,092)	\$508	\$896	\$388	\$100	\$129	\$29
YTD Closed	\$12,368	\$12,729	\$361	\$8,661	\$7,148	(\$1,512)	\$8,701	\$7,585	(\$1,116)	\$5,408	\$2,090	(\$3,318)
<b>97PP Tot Nuclear Eng &amp; Support</b>												
Current Month	\$192	\$202	\$10	\$677	\$1,469	\$792	\$15	\$21	\$6	\$150	\$83	(\$67)
YTD Closed	\$1,647	\$1,631	(\$16)	\$5,820	\$5,903	\$83	\$141	\$110	(\$31)	\$7,801	\$6,442	(\$1,359)
<b>96PP Total Operations Support</b>												
Current Month	\$817	\$1,121	\$304	\$639	\$765	\$126	\$6	\$3	(\$2)	\$65	(\$52)	(\$117)
YTD Closed	\$7,095	\$8,053	\$959	\$5,402	\$6,875	\$1,473	\$131	\$161	\$30	\$268	\$189	(\$79)
<b>83PP Total Station Support</b>												
Current Month	\$24	\$252	\$228	\$1,053	\$620	(\$433)	\$0	\$0	\$0	\$0	\$0	\$0
YTD Closed	\$103	\$1,220	\$1,117	\$10,748	\$6,268	(\$4,480)	\$0	\$4	\$4	\$500	\$0	(\$500)
<b>Total</b>												
Current Month	\$2,573	\$3,086	\$513	\$3,472	\$2,865	(\$607)	\$529	\$921	\$391	\$315	\$160	(\$155)
YTD Closed	\$21,213	\$23,634	\$2,421	\$30,631	\$26,194	(\$4,437)	\$8,973	\$7,859	(\$1,114)	\$13,977	\$8,721	(\$5,256)

## PVGS Executive Cost Report 2020 YTD Production Costs



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Goal	2.32	2.32	2.40	2.75	2.65	2.59	2.52	2.48	2.46	2.56	2.57	2.67
Actual	2.21	2.31	2.35	2.68	2.63	2.54	2.47	2.44	2.42			

## PVGS Executive Cost Report

### O&M Cost per Kilowatt Hour

### September 2020

A.	O&M Costs (\$000):		418,868	
	Amortization/Redhawk Tertiary		(3,096)	
	Incentives		786	
		<b>Net O&amp;M:</b>	<u>416,558</u>	
B.	Net Generation (MWh):	Unit 1	8,717,979	
		Unit 2	7,511,282	
		Unit 3	<u>8,351,098</u>	
		<b>Total</b>	<b><u>24,580,358</u></b>	
C.	Net O&M Cost per kWh:		1.695	<i>Cents per KWhr (1 &amp; 3)</i>
D.	Nuclear Fuel Expense:		<u>0.722</u>	<i>Cents per KWhr (2)</i>
E.	Total O&M Cost per kWh (W/Fuel)		<b>2.417</b>	<i>Cents per KWhr (1, 2, &amp; 3)</i>
I.	2019 Actual:		2.67	<i>Cents per KWhr (1, 2, &amp; 3)</i>
II.	2018 Actual Revised:		2.69	<i>Cents per KWhr (1, 2, &amp; 3)</i>
III.	2017 Actual Revised:		2.78	<i>Cents per KWhr (1 &amp; 2)</i>
IV.	2016 Actual Revised:		2.81	<i>Cents per KWhr (1 &amp; 2)</i>
V.	2015 Actual Revised:		2.78	<i>Cents per KWhr (1 &amp; 2)</i>
VI.	2014 Actual Revised:		2.87	<i>Cents per KWhr (1 &amp; 2)</i>
VII.	2013 Actual Revised:		2.93	<i>Cents per KWhr (1 &amp; 2)</i>
VIII.	2012 Actual Revised:		2.92	<i>Cents per KWhr (1 &amp; 2)</i>
IX.	2011 Actual Revised:		2.90	<i>Cents per KWhr (1 &amp; 2)</i>
X.	2010 Actual Revised:		2.83	<i>Cents per KWhr (1 &amp; 2)</i>

**Note: Revision of the Production Cost Calculation**

- (1) O&M is calculated as O&M costs including incentives, less amortization
- (2) Fuel Expense: YTD = \$177.4 M. The fixed and variable costs related to nuclear spent fuel rod storage are not included in the unit costs.
- (3) O&M is calculated to exclude Redhawk Tertiary

# PVGS Executive Cost Report

## FERC Cost Report

### September 2020

(\$ 000)

		Current Month				Year to Date				Total	Remaining
		Budget	Actual	Variance	% Var	Budget	Actual	Variance	% Var	Budget	Budget
<b><u>Production Operations</u></b>											
5170000	517 Ops Supv & Eng	6,814	6,452	(362)	-5%	57,725	56,238	(1,486)	-3%	75,018	18,780
5190000	519 Coolants and Water	4,203	3,910	(293)	-7%	36,076	34,898	(1,178)	-3%	50,241	15,343
5200000	520 Steam Expenses	3,388	1,680	(1,708)	-50%	24,297	21,774	(2,522)	-10%	33,114	11,340
5230000	523 Electric Expenses	3,391	3,994	603	18%	30,703	29,766	(937)	-3%	41,238	11,472
5240000	524 Misc Nuc Power Exp	9,357	10,995	1,637	17%	87,083	86,592	(491)	-1%	141,452	54,860
5250000	525 Nuc Power Rents	-	-	-	0%	-	-	-	0%	-	-
<b>Total Production Operations</b>		<b>27,153</b>	<b>27,031</b>	<b>(123)</b>	<b>0%</b>	<b>235,883</b>	<b>229,268</b>	<b>(6,615)</b>	<b>-3%</b>	<b>341,063</b>	<b>111,795</b>
<b><u>Production Maintenance</u></b>											
5280000	528 Supv & Eng	878	549	(329)	-38%	14,285	11,853	(2,432)	-17%	18,991	7,138
5290000	529 Maint of Structure	822	885	62	8%	4,118	5,437	1,319	32%	6,129	692
5300000	530 Maint of Reactor Plant Equip	1,002	949	(54)	-5%	38,165	24,104	(14,061)	-37%	62,498	38,394
5310000	531 Maint of Electric Plant	2,502	1,763	(739)	-30%	17,255	24,088	6,833	40%	22,839	(1,249)
5320000	532 Maint of Misc Nuc Plant	440	1,256	816	185%	4,303	7,635	3,332	77%	6,249	(1,386)
<b>Total Production Maintenance</b>		<b>5,645</b>	<b>5,401</b>	<b>(244)</b>	<b>-4%</b>	<b>78,126</b>	<b>73,117</b>	<b>(5,009)</b>	<b>-6%</b>	<b>116,706</b>	<b>43,589</b>
<b><u>Transmission</u></b>											
5560000	556 Sys Cntl/Load Dispatch	602	493	(109)	-18%	5,423	4,531	(892)	-16%	7,229	2,698
<b>Total Transmissions</b>		<b>602</b>	<b>493</b>	<b>(109)</b>	<b>-18%</b>	<b>5,423</b>	<b>4,531</b>	<b>(892)</b>	<b>-16%</b>	<b>7,229</b>	<b>2,698</b>
<b><u>Other</u></b>											
4081001	408 Payroll Taxes	1,376	1,398	22	2%	12,484	11,316	(1,168)	-9%	19,009	7,693
4082001	408 Other Taxes	-	-	-	0%	-	6	6	0%	-	(6)
4261000	426 Donations/Penalties	26	-	(26)	-100%	87	198	111	127%	112	(86)
4264000	426 Civic Political	-	2	2	0%	-	21	21	0%	-	(21)
4265000	426 Other Deductions/Exp	-	-	-	0%	-	194	194	0%	-	(194)
9240000	924 Property Insurance	566	557	(9)	-2%	5,090	(176)	(5,266)	-103%	6,786	6,962
9250000	925 Injuries & Damages	321	313	(8)	-3%	3,070	1,615	(1,455)	-47%	3,971	2,356
9250001	925 Injuries & Damages - Benefits	161	161	1	0%	1,463	826	(638)	-44%	1,941	1,115
9260001	926 Pensions & Benefits	3,137	1,262	(1,875)	-60%	28,536	19,021	(9,515)	-33%	37,841	18,820
9280000	928 Reg Commission Exp	1,455	1,645	190	13%	13,175	12,536	(639)	-5%	17,621	5,085
9302000	930 Admin & General Exp	5,307	5,464	156	3%	48,154	63,182	15,028	31%	73,321	10,139
<b>Total Other</b>		<b>12,350</b>	<b>10,803</b>	<b>(1,547)</b>	<b>-13%</b>	<b>112,059</b>	<b>108,738</b>	<b>(3,321)</b>	<b>-3%</b>	<b>160,601</b>	<b>51,863</b>
<b>Total</b>		<b>45,750</b>	<b>43,728</b>	<b>(2,022)</b>	<b>-4%</b>	<b>431,491</b>	<b>415,655</b>	<b>(15,837)</b>	<b>-4%</b>	<b>625,600</b>	<b>209,945</b>



# **PVGS Executive Cost Report** **2020 Total (O&M and Capital) Actual Incentives with Loads** **September 2020**

\$	30,125	Est.	Total Year End Incentive
	-	Act	Total Unit-3 Outage Incentive (100 day run)
	<b>30,125</b>		<b>Subtotal Estimate Incentives for 2020</b>
<hr/>			
\$	10,242	Est.	Total Loads For Year-End Incentive
	-	Act	Total Unit-3 Outage Incentive (100 day run)
	<b>10,242</b>		<b>Subtotal Estimate Incentive Load for 2020</b>
<hr/>			
\$	336	Est.	2019 EIP True Up
	326	Est.	2019 EIP Incentive Payroll
	111	Est.	2019 EIP Incentive Loads
	<b>773</b>		<b>Subtotal Incentives - Prior Year Adjustments</b>
<hr/>			
\$	<b>41,140</b>		<b>Total (O&amp;M and Capital) Actual Incentives and Loads for 2020</b>

**PVGS Executive Cost Report**  
**Year End Forecast**  
**September 2020**  
(\$ Millions)

	YTD	Actuals									Forecast			Year End
	Actuals	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Variance
<b>O &amp; M</b>	<b>404.61</b>	<b>44.59</b>	<b>42.93</b>	<b>46.88</b>	<b>63.14</b>	<b>38.41</b>	<b>40.90</b>	<b>42.13</b>	<b>40.84</b>	<b>44.78</b>	<b>63.12</b>	<b>52.03</b>	<b>45.28</b>	<b>(17.86)</b>
<b>COVID-19 (Incremental) <sup>(2)</sup></b>	<b>5.02</b>	-	-	<b>0.60</b>	<b>1.75</b>	<b>0.59</b>	<b>0.41</b>	<b>0.67</b>	<b>0.33</b>	<b>0.67</b>	<b>0.72</b>	<b>0.45</b>	<b>0.10</b>	<b>6.29</b>
<b>COVID-19 (Non-Incremental) <sup>(2)</sup></b>	<b>2.37</b>	-	-	<b>0.05</b>	<b>1.25</b>	<b>0.35</b>	<b>0.15</b>	<b>0.33</b>	<b>0.10</b>	<b>0.14</b>	<b>0.13</b>	<b>0.16</b>	<b>0.16</b>	<b>2.83</b>
<b>Exclusions <sup>(1)</sup></b>	<b>2.88</b>	-	-	-	-	<b>8.50</b>	-	<b>(1.95)</b>	<b>(1.81)</b>	<b>(1.86)</b>	<b>(1.85)</b>	<b>(1.71)</b>	<b>(1.98)</b>	<b>(2.66)</b>
<b>Incentives <sup>(w/ Loads &amp; Adj)</sup></b>	<b>0.78</b>	-	-	<b>0.44</b>	-	<b>0.34</b>	-	<b>0.01</b>	-	-	-	-	<b>38.92</b>	<b>(3.00)</b>
<b>Sub Total O&amp;M</b>	<b>415.65</b>	<b>44.59</b>	<b>42.93</b>	<b>47.97</b>	<b>66.14</b>	<b>48.19</b>	<b>41.46</b>	<b>41.19</b>	<b>39.46</b>	<b>43.73</b>	<b>62.13</b>	<b>50.93</b>	<b>82.49</b>	<b>(14.40)</b>

	YTD	Actuals									Forecast			Year End
	Actuals	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Variance
<b>Capital</b>	<b>142.36</b>	<b>10.09</b>	<b>12.07</b>	<b>16.46</b>	<b>24.40</b>	<b>10.85</b>	<b>14.83</b>	<b>8.89</b>	<b>11.04</b>	<b>33.74</b>	<b>46.42</b>	<b>29.03</b>	<b>10.61</b>	<b>(2.29)</b>
<b>COVID-19 (Incremental) <sup>(2)</sup></b>	<b>0.99</b>	-	-	<b>0.02</b>	<b>0.05</b>	-	-	-	<b>0.12</b>	<b>0.80</b>	<b>0.70</b>	<b>0.22</b>	<b>0.38</b>	<b>2.29</b>
<b>COVID-19 (Non-Incremental) <sup>(2)</sup></b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Exclusions <sup>(1)</sup></b>	<b>(0.76)</b>	-	-	-	-	<b>(0.22)</b>	-	<b>(0.18)</b>	<b>(0.18)</b>	<b>(0.18)</b>	<b>(0.18)</b>	<b>(0.18)</b>	<b>(0.18)</b>	<b>(1.30)</b>
<b>Incentives <sup>(w/ Loads &amp; Adj)</sup></b>	-	-	-	-	-	-	-	-	-	-	-	-	<b>1.44</b>	<b>(0.86)</b>
<b>Sub Total Capital</b>	<b>142.59</b>	<b>10.09</b>	<b>12.07</b>	<b>16.48</b>	<b>24.45</b>	<b>10.63</b>	<b>14.83</b>	<b>8.71</b>	<b>10.98</b>	<b>34.36</b>	<b>46.94</b>	<b>29.07</b>	<b>12.25</b>	<b>(2.16)</b>

(1) Exclusions include: Mid- Year True-Ups (A&G/PRD, Load Dispatch - Exhibit 1 A&G) and any Mid -Year Rate Changes.  
(2) COVID-19 FERC Account is 5240000 for all costs



**MICHAEL MCLAUGHLIN**  
Vice President  
Site Services

5801 S Wintersburg Rd  
Tonopah, AZ 85354

ID: 517-00007  
Date: November 13, 2020

To: File  
Sta. #  
Ext. #

From: M. McLaughlin  
Sta. # 7605  
Ext. # 82-5761

A handwritten signature in black ink, appearing to read "M. McLaughlin".

Subject: **PVGS October 2020 Executive Cost Report**

Attached is the PVGS Executive Cost Report that reflects information for October 2020 for the O&M (including incentives), Capital (including incentives), and Nuclear Fuel budgets. The report compares actual costs to budget for the month, year-to-date (YTD), and presents the year-end variances as summarized below:

**(Millions of Dollars)**

Category	YTD	YTD	Year -
	Budget	Actual	End
O&M	496.15	476.45	(14.40)
Capital	202.08	183.76	(2.16)
Nuclear Fuel	215.40	163.22	(4.21)
Total	913.63	823.43	(20.77)

Please call me if you have any questions or comments.

MM / SB

Attachment

cc:	J. Guldner	9040	T. Mionske	7990
	T. Horton	7602	E. Asturias	7990
	M. Lacal	7605		
	M. McLaughlin	7605		
	B. Rash	7602		

A decorative graphic consisting of several hexagons of different colors (purple, blue, green, grey) arranged in a cluster. Some hexagons contain images: a nuclear power plant, a desert landscape with a saguaro cactus, and a blue sky with white clouds. Other hexagons are solid colors or have a patterned background.

# **Palo Verde Generating Station**

## **Executive Cost Report**

**October 2020**  
**Prepared by**  
**Business Operations**

# Palo Verde Generating Station Executive Cost Report

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**PVGS Executive Cost Report**  
**All Budgets Recap**  
**October 2020**  
(\$ Millions)

	<u>Current Month</u>			<u>Year-to-Date</u>			<u>Year-End Forecast</u>		
	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Forecast</u>	<u>Var.</u>
O & M	64.65	60.79	(3.86)	495.54	475.67	(19.87)	582.90	571.50	(11.40)
Incentives (w/ Loads & Adj)	-	-	-	0.61	0.78	0.17	42.70	39.70	(3.00)
<b>Sub Total O&amp;M</b>	<b>64.65</b>	<b>60.79</b>	<b>(3.86)</b>	<b>496.15</b>	<b>476.45</b>	<b>(19.70)</b>	<b>625.60</b>	<b>611.20</b>	<b>(14.40)</b>
Capital	24.51	41.09	16.58	202.08	183.76	(18.32)	230.70	229.40	(1.30)
Incentives (w/ Loads & Adj)	-	-	-	-	-	-	2.30	1.44	(0.86)
	<b>24.51</b>	<b>41.09</b>	<b>16.58</b>	<b>202.08</b>	<b>183.76</b>	<b>(18.32)</b>	<b>233.00</b>	<b>230.84</b>	<b>(2.16)</b>
Nuclear Fuel	51.72	10.79	(40.93)	215.40	163.22	(52.19)	214.69	210.48	(4.21)
<b>Total</b>	<b>140.88</b>	<b>112.67</b>	<b>(28.21)</b>	<b>913.62</b>	<b>823.42</b>	<b>(90.21)</b>	<b>1,073.29</b>	<b>1,052.52</b>	<b>(20.77)</b>
Net Inventory				167.70	188.57	20.87	170.90	200.54	29.64
Revenue	0.09	0.19	0.09	2.71	2.89	0.18	3.21	3.21	0.00

# PVGS Executive Cost Report

## All Budgets Recap

### October 2020

(\$ Millions)

**October 2020 MTD O&M Variance: (\$3.86)**

MTD	Comments
	<u>Budget Timing:</u>
\$0.00	Incentives:
\$2.26	Online: APS OT Accrual (Mischarges for Second Pay Period - Correction in Nov 2020) \$1.28, Site Support (Outside Services) \$0.54, Maintenance Rebuilds \$0.44
(\$4.35)	Outage: 1R22: Contract Labor (Valves/RP) (\$0.30), Maintenance Material (\$0.63), APS OT Accrual (Mischarges for Second Pay Period - Correction in Nov 2020)/Misc (\$3.42)
	<u>Budget Savings:</u>
\$0.00	Incentives:
(\$3.58)	Online: Site Travel (\$0.20), HR Relocation (\$0.31), Insurance (Allocation Adjustment, NEIL/ICRP Reimbursement) (\$0.32), Site Emergent Work Fund/Site Support Misc (\$0.90), 2020 Payroll Load Rate Adjustment (2020 Exclusion) (\$1.85)
(\$0.37)	Outage: 1R22: O&M Mod Deferral/Shift to Capital/Misc (\$0.37)
	<u>Budget Impacts:</u>
\$0.00	Incentives:
\$1.78	Online: COVID19 Incremental Support \$0.76, Destack/Restack Service Support/Misc \$0.66, Engineering Services (Plant Engineering/Eng Projects) \$0.36
\$0.40	Outage:1R22: Condenser Divider Plate Support \$0.40
<b>Total</b>	<b><u>(\$3.86)</u></b>

**PVGS Executive Cost Report**  
**All Budgets Recap**  
**October 2020**  
(\$ Millions)

October 2020 YTD O&M Variance: (\$19.70) Under-run

YTD	Comments
	<u>Budget Timing</u>
(\$1 06)	Online APS OT Accrual (Mischarges for Second Pay Period - Correction in Nov 2020) \$1 28, HR Relocation (\$0 38), Sandia Labs/Policy Group (Contract Update - 4th Qtr) (\$0 51), Station Services (Fees/Dues/Other - 4th Qtr) (\$0 70), Site Support (HR Training, IT, Misc) (\$0 75)
(\$3 90)	Outage 1R22 Contract Labor (Valves/RP) (\$0 30), Maintenance Material (\$0 63), APS OT Accrual (Mischarges for Second Pay Period - Correction in Nov 2020)/Misc (\$2 97)
	<u>Budget Savings</u>
(\$0 61)	Incentives U3R21 100 Day Run (\$0 61)
(\$29 84)	Online Engineering License - ETAP (RUC) (\$0 10), Temporary Employee (Intern) (\$0 10), HR Relocation (\$0 96), Low Level Rad Waste Reclassification (\$0 85), SCORE/MLIS Replacement (\$1 21), Site Travel (\$2 24), Station Services (Fees/Dues/Other) (\$2 35), Site Emergent Work Fund/Site Support Misc (\$3 95), Insurance (Allocation Adjustment, NEIL/ICRP Reimbursement) (\$4 92), 2019 Payroll Load True Up (2020 Exclusion) (\$5 69), 2020 Payroll Load Rate Adjustment (2020 Exclusion) (\$7 47)
(\$8 96)	Outage 1R22 O&M Mod Deferral/Shift to Capital (\$0 40), 3R21 Prior Year Outage Support (Final Invoicing/Material Returns) (\$1 72), 2R22 Spring Outage Scope COVID Mitigation/Headcount/Material Request Reduction/Emergent Work Fund (\$6 84)
	<u>Budget Impacts</u>
\$0 78	Incentives 2019 True-Up/EIP Update \$0 78
\$23 49	Online 2019 A&G Load True Up (2020 Exclusion) \$13 62, COVID19 Incremental Support \$5 78, Destack/Restack Service Support \$0 85, LPFWH 2R22 Deferral (Online) \$0 61, U3 RCP 1B/U2 FW SNO (APS Overtime, Labor OT, Materials) \$0 58, 2019 Exhibit 1 Load Dispatch True Up (2020 Exclusion) \$0 57, Vanpool Ridership/Maintenance \$0 48, Engineering Services (Plant Engineering/Eng Projects) \$0 44, Material Average Unit Cost Adjustments \$0 20, Radwaste (Spent Fuel Pool Iron/Concentrates) \$0 11, Engineering Online Services - Plant and Design \$0 10, NAU Degree Program \$0 10, DOE (Insurance) \$0 10, U2 Main Feedwater Loss SNO (APS Overtime) \$0 05
\$0 40	Outage 1R22 Condenser Divider Plate Support \$0 40
<b>Total</b>	<b><u>(\$19.70)</u></b>



# PVGS Executive Cost Report

## All Budgets Recap

### October 2020

(\$ Millions)

**October 2020 MTD Capital Variance: \$16.58 Over-run**

MTD	Comments
	<u>Budget Timing:</u>
\$2.59	SP Concrete Replacement U3 9Due to project start delays as contract was issued later than planned) \$0.77, CTLE 2020 U1 (Timing of work executed later than budgeted) \$1.38, Misc. \$0.44
	<u>Budget Savings:</u>
(\$1.56)	Clarifiers Life Extension T6 (Project deferred to out years to support other emergent WRF projects) (\$1.38), 2020 Payroll Load Rate Adjustment (2020 Exclusion ) (\$0.18)
	<u>Budget Impacts:</u>
\$15.55	Valve Replacements U1 2020 (More materials and labor than originally budgeted) \$0.62, Digital SMP Phase I U3 (Lead unit implementation change from what was budgeted) \$1.05, U1 Polar Crane (Due to impact delay charges) \$1.10, RCP 1A Motor Replacement (Change in outage scope from the 1B RCP Motor replacement to the 1A RCP Motor) \$5.55, LP Feedwater Heater Repl U1R22 (Due to additional heater replacement scope added in the Fall outage) \$7.23
<b>Total</b>	<b><u><u>\$16.58</u></u></b>

# PVGS Executive Cost Report

## All Budgets Recap

### October 2020

(\$ Millions)

**October 2020 YTD Capital Variance: (\$18.32) Under-run**

YTD	Comments
	<u>Budget Timing</u>
(\$9 86)	S C O R E Supply Chain Optimization (Originally budgeted \$7 6M payment in March, however, will now be allocated monthly) (\$4 72), Security Access Control Computer Repl (Project delayed due to engineering but expect to recover by Q4) (\$2 92), Facilities Upgrades PA/Non PA (Due to scope and WA issuance later than budget - Q3) (\$1 25), Misc (\$0 97)
	<u>Budget Savings</u>
(\$37 78)	LPFW Heater Repl 2R22 (Scope was removed from 2R22 due to COVID-19) (\$10 28), RCP Motor Repl 1R22 (2020 Milestone payment was executed in 2019 and scope deferred from 1R22) (\$6 16), Clanfiers Life Extension T6 (Project deferred to out years to support other emergent WRF projects) (\$5 39), Construction Power Replacement 2020 (Project deferred to out years) (\$2 50), Piping-Fire Protection Yard South Loop (Scope deferred to 2021) (\$2 35), Vehicle Replacements 2020 (Reduction in overall vehicle purchases for the year) (\$1 61), Main Transformer New Spare (Tied to overall project savings) (\$1 43), eWP Advanced Interactive (Delays with Phase I have deferred implementation start to 2021) (\$1 32), LV 22 Blowdown M/U U2 (Project implementation moved to 2021 to correspond with outage) (\$1 31), Concrete and Paving 2020 (Project deferred due to station priorities) (\$1 13), Control Valve Digital Positioners U1 (Install scope deferred to 2021) (\$1 08), Waste Centrifuge Pier Refurbishment (Project deferred to 2021) (\$1 08), WR Well #1 (Project deferred to out years due to delays with permit) (\$1 00), 2019 Payroll Load True Up (2020 Exclusion) (\$0 42), 2020 Payroll Load Rate Adjustment (2020 Exclusion) (\$0 72)
	<u>Budget Impacts</u>
\$29 32	2019 A&G Load True Up (2020 Exclusion) \$0 20, Circuit Breaker Repl U1 2020 (Overrun tied to magne-blast breaker rebuilds) \$1 79, SOCA Defensive Strategy Upgrades (Tied to additional engineering needed) \$1 80, Digital SMP Phase II (Tied to engineering to support accelerated installation) \$2 11, Digital SMP Phase I U3 (Due to accelerated installation in 2020/2021) \$2 52, Emergent RCP Motor Repl 2R22 (Emergency 2R22 scope) \$4 83, RCP Motor Replacement 1A 1R22 (Change in 1R22 RCP Motor replacement scope) \$5 58, LP Feedwater Heater Repl 1R22 (Overrun due to heater replacement scope added to the Fall outage) \$10 49
<b>Total</b>	<b><u>(\$18.32)</u></b>

# PVGS Executive Cost Report

## All Budgets Recap

### October 2020

(\$ Millions)

**October 2020 YTD Inventory Variance: \$20.87 Over-run**

YTD	Comments
	<u>Budget Timing:</u>
\$19.12	Less Receipts (\$15.47); Less Issues \$26.75; Greater Adjustments \$17.39; Less Material Returns (\$14.08); Material Sales/Expense \$4.53
	<u>Budget Savings:</u>
\$0.00	
	<u>Budget Impacts:</u>
\$1.75	2019 Inventory Impacts [Less Issues / More Adjustments Partially offset by Less Receipts / Less Returns (\$4.77); MST / Support Ring Moved from Capital Project to Inventory \$6.52.
<b>Total</b>	<b><u><u>\$20.87</u></u></b>

## PVGS Executive Cost Report Nuclear Fuels

October 2020

(\$ Millions)

YTD	Project	Comments
	<b><u>FIP:</u></b>	
(\$6.31)	Uranium	Savings - UF6 (Uranium component) quantities order estimate for September less than budgeted, coupled with delivery prices lower than budgeted
\$0.12	Conversion	Impact - EUP (Conversion component) delivery prices higher than budgeted
(\$41.85)	Enrichment	Timing - SWU delivery budgeted in October moved to November
(\$13.14)	Fabrication	Savings - Reclass of VQP engineering cost from fabrication to outside svcs, coupled with U3C23 3rd and 4th milestone moved to 2021
(\$3.93)	Use Tax	Savings - U3C23 Use Tax budgeted for July 2020 moved to January 2021, coupled with U1C23/U2C23 Use Tax revision driven by U3O8 AUC correction
\$0.51	Labor	Impact - Framatome Fuel implementation project
\$9.56	Outside Services	Impact - Reclass of VQP engineering cost from fabrication to outside svcs
(\$0.23)	Other	Savings - NRC Fees associated with Framatome Fuel implementation project less than budgeted
Subtotal FIP	<u>(\$55.27)</u>	
	<b><u>DCS:</u></b>	
\$0.02	Labor	Timing - MAGNASTOR implementation project
(\$3.77)	Materials	Timing - MAGNASTOR material milestones
(\$0.02)	Outside Services	Timing - MAGNASTOR engineering services
\$0.16	Other	Impact - NRC fees for MAGNASTOR
\$6.70	DOE Settlement	Timing - DOE credit accrual follows dry cask storage expenditures
Subtotal DCS	<u>\$3.08</u>	
Total	<u><u>(\$52.19)</u></u>	

**PVGS Executive Cost Report  
O&M Power Block Report  
October 2020  
(\$000)**

	Current Month				Year-to-Date				Total	Remaining
	Budget	Actual	Variance	% Var	Budget	Actual	Variance	% Var	Budget	Budget
UNIT - 1	34,756	32,270	(2,485)	-7%	147,801	143,387	(4,414)	-3%	188,140	44,753
UNIT - 2	11,740	10,708	(1,031)	-9%	157,089	147,730	(9,359)	-6%	192,593	44,863
UNIT - 3	11,594	11,395	(199)	-2%	122,029	114,967	(7,062)	-6%	157,116	42,149
COMMON	1,067	1,700	633	59%	10,786	15,302	4,516	42%	14,134	(1,168)
PVUNALL	0	(0)	(0)	0%	(0)	0	0	0%	0	(0)
WRF	5,498	4,719	(779)	-14%	58,441	55,061	(3,380)	-6%	73,617	18,556
GENERAL	(0)	(0)	(0)	0%	(0)	0	0	0%	(0)	(0)
<b>TOTAL PV</b>	<b>64,654</b>	<b>60,792</b>	<b>(3,862)</b>	<b>-6%</b>	<b>496,145</b>	<b>476,447</b>	<b>(19,699)</b>	<b>-4%</b>	<b>625,600</b>	<b>149,153</b>
PAYROLL	23,247	22,274	(973)	-4%	201,594	201,419	(175)	0%	271,559	70,140
CONTRACT LABOR	8,568	8,269	(299)	-3%	38,754	39,762	1,008	3%	44,158	4,395
MATL / SUPPLIES	8,419	7,857	(562)	-7%	55,402	52,289	(3,113)	-6%	63,834	11,545
OUTSIDE SERVICES	8,209	9,076	867	11%	52,816	43,990	(8,826)	-17%	58,557	14,567
OTHER	16,211	13,317	(2,894)	-18%	147,579	138,987	(8,592)	-6%	187,492	48,506
<b>TOTAL PV</b>	<b>64,654</b>	<b>60,792</b>	<b>(3,862)</b>	<b>-6%</b>	<b>496,145</b>	<b>476,447</b>	<b>(19,699)</b>	<b>-4%</b>	<b>625,600</b>	<b>149,153</b>

# PVGS Executive Cost Report

## Capital Improvements Variance Summary

### October 2020

### (\$000)

<----- Current Month ----->					<----- Year-to-Date ----->				Annual Budget
<u>Budget Category</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Percent</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Percent</u>	
1 Plant Modifications	7,684	8,879	1,195	16%	42,390	43,391	1,001	2%	46,395
2 Equipment & Replacements	9,664	25,482	15,819	164%	80,124	84,653	4,529	6%	94,740
3 Buildings	305	199	(106)	-35%	8,555	2,959	(5,596)	-65%	8,995
4 General Plant	443	191	(252)	-57%	7,368	2,908	(4,460)	-61%	8,059
5 Computers	682	905	223	33%	17,223	8,160	(9,062)	-53%	18,406
6 Water Rec Facility	3,888	4,152	264	7%	31,728	29,629	(2,099)	-7%	35,162
7 Overheads	1,342	1,285	(58)	-4%	13,689	12,055	(1,633)	-12%	18,677
8 Emergent Work Fund	500	0	(500)	-100%	1,000	0	(1,000)	-100%	2,566
9 Fukushima	0	0	0	0%	0	0	0	0%	0
11 Capitalized Incentives	0	0	0	0%	0	0	0	0%	0
Totals	24,507	41,092	16,585	68%	202,076	183,755	(18,321)	-9%	233,000

**PVGS Executive Cost Report  
Nuclear Fuel Report  
October 2020  
(\$000)**

	<u>Current Month</u>			<u>Year-To-Date</u>			<u>Year-End</u>		
	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Forecast</u>	<u>Variance</u>
<b>Fuel In Process</b>	50,793	6,608	(44,185)	213,913	158,646	(55,267)	215,000	210,523	(4,477)
<b>Fuel In Stock</b>	-	-	-	-	-	-	-	-	-
<b>Spent Fuel Disposal</b>	-	-	-	-	-	-	-	-	-
<b>Dry Cask Storage</b>	926	4,183	3,257	1,489	4,570	3,081	(309)	(39)	270
<b>TOTAL NUCLEAR FUEL</b>	<b>51,719</b>	<b>10,791</b>	<b>(40,928)</b>	<b>215,402</b>	<b>163,216</b>	<b>(52,186)</b>	<b>214,691</b>	<b>210,484</b>	<b>(4,207)</b>

## PVGS Executive Cost Report

### Inventory Balance Sheet

#### October 2020

**September 2020 Ending Inventory Balance less Amortization**

**\$189,026,784**

**Increases:**

Receipts	\$4,141,395
Returns	\$3,331,446
Inventory Adjustments	\$2,258,837
Intercompany Balance	\$0
Accounting Adjustments	(\$3,627,680)
Misc JVs (Repair Accrual)	\$0
Misc JV (SOX Accrual)	\$0
Subtotal	<u>\$6,103,998</u>

**Decreases:**

Issues	(\$6,564,089)
--------	---------------

Net Change **(\$460,091)**

**Amortization Transactions:**

Monthly Amortization Cost	(\$200,000)
Write Offs & Sales	\$199,559

(\$441)

**October 2020 Ending Inventory Balance less Amortization**

**\$188,566,251**

**Notes:**

- Sales to outside utilities for the month was \$1,619 that was written off at original cost.
- The above sales were invoiced for a total of \$2,644 (net 30 days)
- Current month revenue received for sales to outside utilities totaled (\$1,025)
- To Date Amortization Balance = (\$37,837,209)
- Capitalized Spare Account Balance Original Cost = \$32,538,003



**PVGS Executive Cost Report**  
**Major Inventory Transactions (Over \$25K)**  
**October 2020**

**INVENTORY**

		<u>Qty</u>	<u>\$ Value</u>			<u>Qty</u>	<u>\$ Value</u>
Issue	6 INCH BALL VALVE	1	\$28,204	Received	OPERATOR, GEAR, HBC 6	1	\$36,805
	BALL VALVE	1	\$25,303		VALVE, 1/2" WITH ACTUATOR	1	\$24,956
	SWITCH ASSEMBLY, REED	1	\$27,200		VALVE, 1 IN WITH ACTUATOR	1	\$25,743
	6" GATE VALVE W/OPERATOR	1	\$66,013		VALVE BUTTERFLY 24"	1	\$109,250
	DISC VALVE 10"	1	\$37,540		DISK STACK, ADV UPGRADE	8	\$0
	DISK STACK, ADV UPGRADE	1	\$66,517		MOTOR, 13 2HP/3600RPM	1	\$94,023
	VALVE ASSEMBLY, FPT HPCV	1	\$83,005		DISC VALVE 10"	1	\$37,540
	VALVE GEAR ASSY, LPCV	1	\$89,005		VALVE, RELIEF, 3/4 IN	1	\$79,682
	CAMERA, THERMAL/CCD/PTZ	1	\$36,362		DISC AND BUSHING ASM	2	\$104,966
	SEVERE SERVICE KIT 14IN	1	\$42,766		REL- TRANSDUCER, EP, 4-20	6	\$154,007
	VALVE, 1/2" WITH ACTUATOR	1	\$26,928		GEARBOX, ASSEMBLY	2	\$79,613
	VALVE, 1IN WITH ACTUATOR	1	\$27,777		BATTERY ASSEMBLY	1	\$35,748
	CKT BRK,600A,50-225A TAP	1	\$29,038		VALVE,3/4IN WITH ACTUATOR	2	\$50,320
	SEVERE SERVICE KIT 16"	2	\$36,187		GOULDS SUMP PUMP 3171	1	\$59,924
	VALVE ASSEMBLY, MSV 2	1	\$196,011		SUMP PUMP 3170 1 5X2-11	1	\$64,979
	TRANSMITTER, DIFF PRESS	1	\$41,134		STEM, 12IN, GATE VALVE	1	\$28,113
	DISK STACK, ADV UPGRADE	1	\$197,077		MOTOR ELECTRIC 3500 HP	1	\$112,630
	VALVE,3/4IN WITH ACTUATOR	2	\$54,295		VALVE, BUTTERFLY	1	\$68,700
	PREAMPLIFIER	1	\$26,501		PUMP, SUMP, HI-TDS	1	\$71,890
	SUMP PUMP 3170 1 5X2-11	1	\$70,112		DEFLECTOR, OIL T9 INNER	1	\$29,517
	VALVE ASSEMBLY, LPSV	1	\$91,005		DEFLECTOR, OIL T9 OUTER	1	\$29,517
	VALVE ASSEMBLY, FPT HPSV	1	\$39,002		DEFLECTOR, OIL TG G E	1	\$29,517
	VALVE, SWING CHECK, 6"	2	\$108,148		DEFLECTOR, OIL TG T E	1	\$29,517
	STEM, 12IN, GATE VALVE	1	\$28,113		MAIN STM CIV-IV	1	\$66,885
	PUMP, SUMP, HI-TDS	1	\$71,890		CIV-SV ACTUATOR	1	\$78,128
	ACTUATOR, AIR CYLINDER	1	\$29,010		MAIN STM CIV-IV	1	\$71,382
	VALVE, RELIEF, 1 IN	1	\$26,275	Restock	VALVE ASSEMBLY, FPT HPCV	1	\$83,005
	BREAKER, 2500 AMP, TPMM	1	\$30,837		VALVE GEAR ASSY, LPCV	1	\$89,005
	DC TO DC CONVERTER	1	\$36,082		DISK STACK, ADV UPGRADE	1	\$66,517
	DISC 08643	1	\$28,615		CKT BRK,600A,50-225A TAP	1	\$29,038
	DEFLECTOR, OIL T9 INNER	2	\$59,034		CIRCUIT BREAKER, K600	1	\$27,948
	DEFLECTOR, OIL T9 OUTER	1	\$29,517		CKT BRK,600A,50-225A TAP	1	\$29,038
	DEFLECTOR, OIL TG G E	1	\$29,517		SWITCH ASSEMBLY, REED	1	\$27,200
	PUMP, SUMP, HI-TDS	1	\$71,890		BREAKER, 600A WITH SS13	1	\$36,990
	DEFLECTOR, OIL TG T E	1	\$29,517		CIRC WATER PUMP SHAFT	1	\$48,470
	REFRIGERANT R-114	1	\$28,883		ROCKER, EXH PUSH ROD, DG	1	\$36,444
	MODULE, AUC PS, ARPS REPL	2	\$28,600		BALL VALVE	1	\$25,303
	CIV-SV ACTUATOR	1	\$78,128		6 INCH BALL VALVE	1	\$28,204
	MAIN STM CIV-IV	1	\$66,885		BREAKER, CIRCUIT	1	\$40,005
	MOTOR,5000HP,190FR,400RPM	1	\$112,341		CYLINDER, HYDRAULIC	1	\$29,942
					VALVE ASSEMBLY, MSV 2	1	\$196,011
					MOTOR, 8 0HP, 3510RPM	1	\$44,969
					DEFLECTOR, OIL TG G E	1	\$29,517
					DEFLECTOR, OIL T9 OUTER	1	\$29,517
					DEFLECTOR, OIL T9 INNER	1	\$29,517
					CIV-SV ACTUATOR	1	\$78,128
					MAIN STM CIV-IV	1	\$71,382
					VALVE, SWING CHECK, 6"	1	\$54,074
					SUMP PUMP 3170 1 5X2-11	1	\$70,112
					PUMP, SUMP, HI-TDS	1	\$71,890
					DEFLECTOR, OIL TG T E	1	\$29,517
					ACTUATOR, DAMPER	1	\$25,921
					6 INCH BALL VALVE	1	\$28,204
					PUMP, SUMP, HI-TDS	1	\$71,890
					DEFLECTOR, OIL TG T E	1	\$29,517
					VALVE, GATE, 4 IN	1	\$62,304
					MOTOR,5000HP,190FR,400RPM	1	\$112,341
					ROTOR, TURBOCHARGER ASM	1	\$215,209

## Revenue, Budget, Actuals, Forecast Variance By Month October 2020

Description		Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b><u>Quantity (acre-feet):</u></b>														
T&T Units 1 & 2	Budget	3,674	274	193	206	94	547	382	454	433	424	98	365	204
	Act/F'cast	4,199	176	379	186	71	706	460	522	534	389	207	365	204
	Var	525	(98)	186	(20)	(23)	159	78	68	101	(35)	109	-	-
<b><u>Unit Rate (\$/acre-foot):</u></b>														
Transportation & Treatment		\$843												
<b><u>Revenue (\$ 000):</u></b>														
T&T Units 1 & 2	Budget	3,099	231	163	174	79	461	322	383	365	358	83	308	172
	Act/F'cast	3,542	149	320	157	60	596	388	440	450	328	174	308	172
	Var	443	(82)	157	(17)	(19)	135	66	57	85	(30)	91	(100)	(80)
Adjustments*		(180)	-	-	-	-	-	-	-	-	-	-	(100)	(80)
Initial Reserve Fee & Credits - U1 & U2	Budget	38	4	4	4	5	1	2	2	2	2	5	3	4
	Act/F'cast	35	4	1	4	5	1	2	2	2	2	5	3	4
	Var	(3)	-	(3)	-	-	-	-	-	-	-	-	-	-
Add'l Reserve Fee & Credits - U3 & U4	Budget	75	6	6	6	6	6	6	6	6	6	6	6	6
	Act/F'cast	75	6	6	6	6	6	6	6	6	6	6	6	6
	Var	-	-	-	-	-	-	-	-	-	-	-	-	-
2019 Transportation and Treatment True-Ups	Budget	-	-	-	-	-	-	-	-	-	-	-	-	-
	Act/F'cast	-	-	-	(260)	-	-	-	-	-	-	-	-	-
	Var	-	-	-	(260)	-	-	-	-	-	-	-	-	-
<b>Total Revenue</b>														
	Budget	3,212	241	173	184	91	469	330	391	373	366	94	317	182
	Act/F'cast	3,212	160	328	(92)	72	601	396	448	458	336	185	217	102
	Var	0	(82)	155	(276)	(19)	132	66	57	85	(30)	91	(100)	(80)

**PVGS Executive Cost Report**  
**Total Outage (O&M)**  
**October 2020**  
**(\$ Millions)**

	<u>Current Month</u>			<u>Year-To-Date</u>			<u>Year-End</u>		
<u>2020 Outages</u>	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Forecast</u>	<u>Var.</u>
Unit - 2	-	(0.02)	(0.02)	34.23	27.39	(6.84)	34.23	27.40	(6.82)
Unit - 1	22.93	18.80	(4.13)	24.17	20.48	(3.68)	28.96	30.12	1.16
<b>Sub-Total 2020 Outages</b>	<b>22.93</b>	<b>18.79</b>	<b>(4.15)</b>	<b>58.39</b>	<b>47.87</b>	<b>(10.52)</b>	<b>63.19</b>	<b>57.52</b>	<b>(5.66)</b>
 <u>2019 Outage Expenses</u>									
Unit - 3	-	0.07	0.07	-	(1.35)	(1.35)	-	(1.35)	(1.35)
<b>Sub-Total 2019 Outages</b>	<b>-</b>	<b>0.07</b>	<b>0.07</b>	<b>-</b>	<b>(1.35)</b>	<b>(1.35)</b>	<b>-</b>	<b>(1.35)</b>	<b>(1.35)</b>
<b>Total</b>	<b>22.93</b>	<b>18.86</b>	<b>(4.07)</b>	<b>58.39</b>	<b>46.52</b>	<b>(11.87)</b>	<b>63.19</b>	<b>56.17</b>	<b>(7.01)</b>

## PVGS Executive Cost Report APS Employees & Overtime Contract Labor Overtime October 2020

		APS			Contract Labor			
		Employees			Overtime %		Overtime %	
	<u>Organization</u>	<u>Budget</u>	<u>Actual</u>	<u>Var</u>	<u>Budget</u>	<u>Actual</u>	<u>Budget</u>	<u>Actual</u>
82PP	Nuclear Operations	1,105	1,086	(19)	20%	24%	36%	38%
97PP	Nuclear Engineering	310	302	(8)	11%	10%	0%	27%
96PP	Emergency Services & Support	463	458	(5)	13%	25%	10%	16%
83PP	Station Support Organizations	64	54	(10)	2%	2%	0%	33%
	<b>Total</b>	<b>1,942</b>	<b>1,900</b>	<b>(42)</b>	<b>16%</b>	<b>21%</b>	<b>31%</b>	<b>31%</b>
	<b>Year-To-Date Average</b>	<b>1,964</b>	<b>1,929</b>	<b>(35)</b>	<b>9%</b>	<b>14%</b>	<b>13%</b>	<b>14%</b>
	<b>Equivalent "Borrowed" Employees</b>							
	<b>Current Month</b>	<b>56</b>	<b>55</b>	<b>(1)</b>				
	<b>Year-To-Date</b>	<b>56</b>	<b>56</b>	<b>0</b>				

Note All budgets and actual include O&M, Capital and Fuel values

# PVGS Executive Cost Report

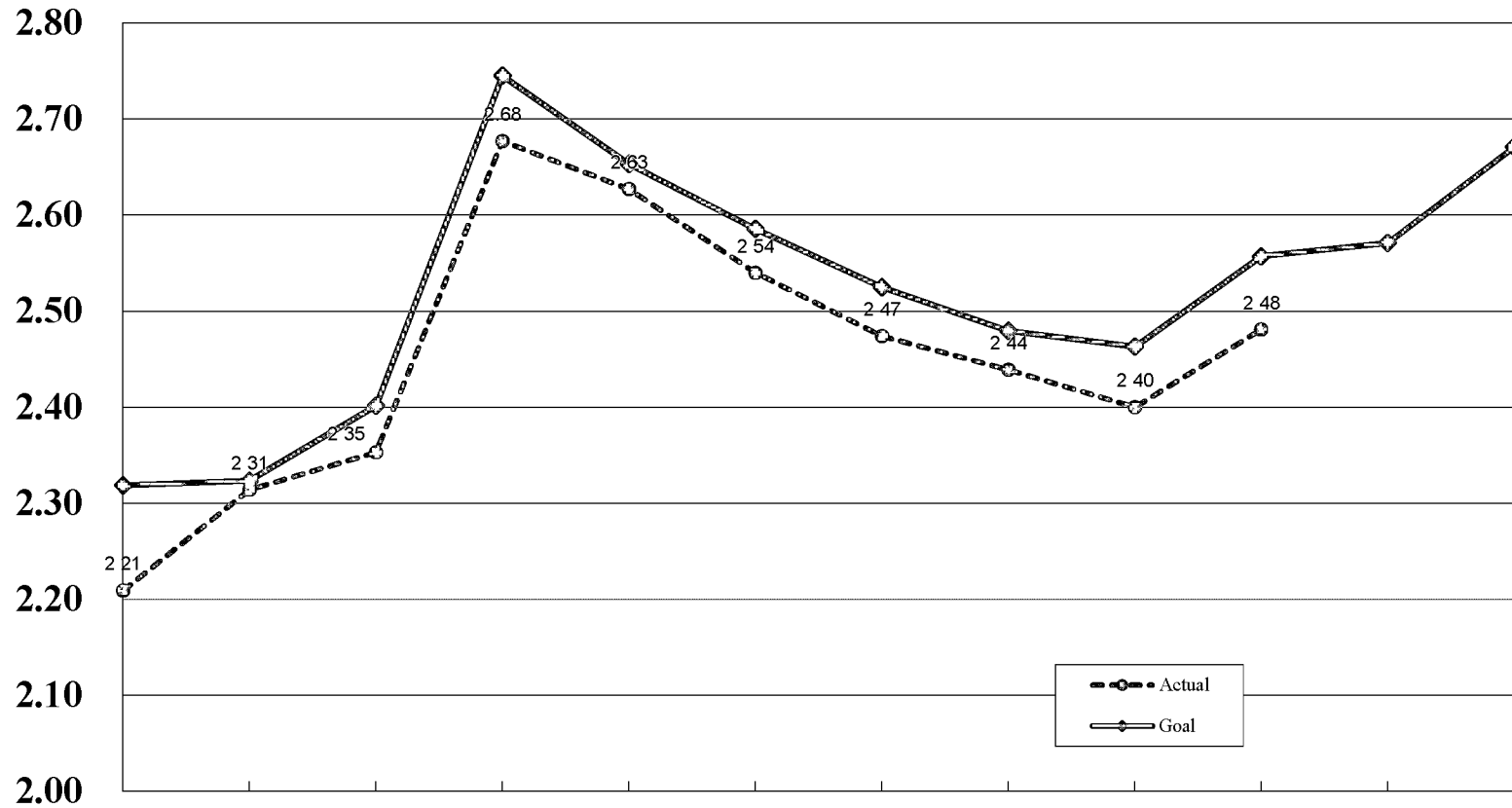
## Contract Labor and Outside Service Report

### October 2020

#### (\$000)

ORGANIZATION	Non-Outage O&M						Outage O&M					
	Contract Labor			Outside Services			Contract Labor			Outside Services		
	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>
<b>82PP Total Nuc Operations</b>												
Current Month	\$1,520	\$1,325	(\$195)	\$1,097	\$633	(\$465)	\$5,853	\$5,069	(\$784)	\$2,916	\$2,421	(\$495)
YTD Closed	\$13,888	\$14,054	\$166	\$9,758	\$7,781	(\$1,977)	\$14,554	\$12,654	(\$1,901)	\$8,324	\$4,511	(\$3,813)
<b>97PP Tot Nuclear Eng &amp; Support</b>												
Current Month	\$167	\$232	\$65	\$677	\$1,037	\$360	\$86	\$118	\$32	\$2,098	\$2,696	\$598
YTD Closed	\$1,814	\$1,863	\$49	\$6,497	\$6,940	\$443	\$227	\$227	\$0	\$9,899	\$9,138	(\$761)
<b>96PP Total Operations Support</b>												
Current Month	\$840	\$1,117	\$277	\$456	\$703	\$247	\$97	\$163	\$66	\$149	\$149	(\$0)
YTD Closed	\$7,935	\$9,171	\$1,235	\$5,858	\$7,578	\$1,720	\$228	\$324	\$96	\$417	\$338	(\$79)
<b>83PP Total Station Support</b>												
Current Month	\$5	\$230	\$225	\$816	\$1,438	\$622	\$0	\$16	\$16	\$0	\$0	\$0
YTD Closed	\$108	\$1,450	\$1,342	\$11,564	\$7,705	(\$3,859)	\$0	\$20	\$20	\$500	\$0	(\$500)
<b>Total</b>												
Current Month	\$2,532	\$2,904	\$372	\$3,046	\$3,810	\$764	\$6,036	\$5,365	(\$671)	\$5,163	\$5,266	\$103
YTD Closed	\$23,745	\$26,538	\$2,793	\$33,676	\$30,004	(\$3,673)	\$15,009	\$13,224	(\$1,785)	\$19,140	\$13,987	(\$5,153)

## PVGS Executive Cost Report 2020 YTD Production Costs



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Goal	2.32	2.32	2.40	2.75	2.65	2.59	2.52	2.48	2.46	2.56	2.57	2.67
Actual	2.21	2.31	2.35	2.68	2.63	2.54	2.47	2.44	2.40	2.48		

## PVGS Executive Cost Report

### O&M Cost per Kilowatt Hour

#### October 2020

A.	O&M Costs (\$000):	475,674	
	Amortization/Redhawk Tertiary	(3,440)	
	Incentives	773	
	<b>Net O&amp;M:</b>	<u>473,007</u>	
B.	Net Generation (MWh):	Unit 1	8,987,829
		Unit 2	8,503,743
		Unit 3	<u>9,331,955</u>
	<b>Total</b>	<b><u>26,823,527</u></b>	
C.	Net O&M Cost per kWh:	1.763	<i>Cents per KWhr (1 &amp; 3)</i>
D.	Nuclear Fuel Expense:	<u>0.718</u>	<i>Cents per KWhr (2)</i>
E.	Total O&M Cost per kWh (W/Fuel)	<b>2.481</b>	<i>Cents per KWhr (1, 2, &amp; 3)</i>
I.	2019 Actual:	2.67	<i>Cents per KWhr (1, 2, &amp; 3)</i>
II.	2018 Actual Revised:	2.69	<i>Cents per KWhr (1, 2, &amp; 3)</i>
III.	2017 Actual Revised:	2.78	<i>Cents per KWhr (1 &amp; 2)</i>
IV.	2016 Actual Revised:	2.81	<i>Cents per KWhr (1 &amp; 2)</i>
V.	2015 Actual Revised:	2.78	<i>Cents per KWhr (1 &amp; 2)</i>
VI.	2014 Actual Revised:	2.87	<i>Cents per KWhr (1 &amp; 2)</i>
VII.	2013 Actual Revised:	2.93	<i>Cents per KWhr (1 &amp; 2)</i>
VIII.	2012 Actual Revised:	2.92	<i>Cents per KWhr (1 &amp; 2)</i>
IX.	2011 Actual Revised:	2.90	<i>Cents per KWhr (1 &amp; 2)</i>
X.	2010 Actual Revised:	2.83	<i>Cents per KWhr (1 &amp; 2)</i>

**Note: Revision of the Production Cost Calculation**

- (1) O&M is calculated as O&M costs including incentives, less amortization
- (2) Fuel Expense YTD = \$192.5 M. The fixed and variable costs related to nuclear spent fuel rod storage are not included in the unit costs
- (3) The amounts related to amortization and Redhawk Tertiary are not included in the unit costs

**PVGS Executive Cost Report**  
**FERC Cost Report**  
**October 2020**  
**(\$ 000)**

		Current Month				Year to Date				Total	Remaining
		Budget	Actual	Variance	% Var	Budget	Actual	Variance	% Var	Budget	Budget
<b><u>Production Operations</u></b>											
5170000	517 Ops Supv & Eng	5,596	7,678	2,081	37%	63,321	63,916	595	1%	75,018	11,103
5190000	519 Coolants and Water	3,609	3,157	(452)	-13%	39,685	38,055	(1,630)	-4%	50,241	12,186
5200000	520 Steam Expenses	3,568	3,602	34	1%	27,865	25,377	(2,488)	-9%	33,114	7,738
5230000	523 Electric Expenses	3,595	3,225	(370)	-10%	34,298	32,991	(1,307)	-4%	41,238	8,247
5240000	524 Misc Nuc Power Exp	9,009	8,874	(135)	-2%	96,092	95,466	(626)	-1%	141,452	45,986
5250000	525 Nuc Power Rents	-	-	-	0%	-	-	-	0%	-	-
<b>Total Production Operations</b>		<b>25,378</b>	<b>26,535</b>	<b>1,158</b>	<b>5%</b>	<b>261,261</b>	<b>255,804</b>	<b>(5,457)</b>	<b>-2%</b>	<b>341,063</b>	<b>85,259</b>
<b><u>Production Maintenance</u></b>											
5280000	528 Supv & Eng	3,104	3,047	(57)	-2%	17,389	14,900	(2,489)	-14%	18,991	4,091
5290000	529 Maint of Structure	954	1,464	510	54%	5,072	6,901	1,830	36%	6,129	(773)
5300000	530 Maint of Reactor Plant Equip	17,069	10,182	(6,888)	-40%	55,234	34,286	(20,949)	-38%	62,498	28,212
5310000	531 Maint of Electric Plant	3,033	5,893	2,860	94%	20,288	29,981	9,693	48%	22,839	(7,142)
5320000	532 Maint of Misc Nuc Plant	1,005	2,002	997	99%	5,308	9,637	4,329	82%	6,249	(3,388)
<b>Total Production Maintenance</b>		<b>25,165</b>	<b>22,588</b>	<b>(2,578)</b>	<b>-10%</b>	<b>103,291</b>	<b>95,705</b>	<b>(7,587)</b>	<b>-7%</b>	<b>116,706</b>	<b>21,001</b>
<b><u>Transmission</u></b>											
5560000	556 Sys Cntl/Load Dispatch	602	514	(88)	-15%	6,025	5,045	(980)	-16%	7,229	2,184
<b>Total Transmissions</b>		<b>602</b>	<b>514</b>	<b>(88)</b>	<b>-15%</b>	<b>6,025</b>	<b>5,045</b>	<b>(980)</b>	<b>-16%</b>	<b>7,229</b>	<b>2,184</b>
<b><u>Other</u></b>											
4081001	408 Payroll Taxes	1,627	1,559	(68)	-4%	14,112	12,876	(1,236)	-9%	19,009	6,134
4082001	408 Other Taxes	-	-	-	0%	-	6	6	0%	-	(6)
4261000	426 Donations/Penalties	10	5	(10)	-100%	97	203	106	109%	112	(91)
4264000	426 Civic Political	-	2	2	0%	-	23	23	0%	-	(23)
4265000	426 Other Deductions/Exp	-	4	4	0%	-	197	197	0%	-	(197)
9240000	924 Property Insurance	565	490	(75)	-13%	5,655	314	(5,341)	-94%	6,786	6,472
9250000	925 Injuries & Damages	290	390	100	34%	3,360	2,005	(1,355)	-40%	3,971	1,966
9250001	925 Injuries & Damages - Benefits	159	160	1	1%	1,622	986	(636)	-39%	1,941	955
9260001	926 Pensions & Benefits	3,099	1,252	(1,847)	-60%	31,635	20,273	(11,362)	-36%	37,841	17,568
9280000	928 Reg Commission Exp	1,482	1,206	(276)	-19%	14,657	13,743	(914)	-6%	17,621	3,878
9302000	930 Admin & General Exp	6,277	6,086	(191)	-3%	54,430	69,268	14,838	27%	73,321	4,053
<b>Total Other</b>		<b>13,509</b>	<b>11,155</b>	<b>(2,354)</b>	<b>-17%</b>	<b>125,568</b>	<b>119,893</b>	<b>(5,675)</b>	<b>-5%</b>	<b>160,601</b>	<b>40,708</b>
<b>Total</b>		<b>64,654</b>	<b>60,792</b>	<b>(3,862)</b>	<b>-6%</b>	<b>496,145</b>	<b>476,447</b>	<b>(19,699)</b>	<b>-4%</b>	<b>625,600</b>	<b>149,153</b>



# **PVGS Executive Cost Report** **2020 Total (O&M and Capital) Actual Incentives with Loads** **October 2020**

\$	30,125	Est.	Total Year End Incentive
	-	Act	Total Unit-3 Outage Incentive (100 day run)
	<b>30,125</b>		<b>Subtotal Estimate Incentives for 2020</b>
<hr/>			
\$	10,242	Est.	Total Loads For Year-End Incentive
	-	Act	Total Unit-3 Outage Incentive (100 day run)
	<b>10,242</b>		<b>Subtotal Estimate Incentive Load for 2020</b>
<hr/>			
\$	336	Est.	2019 EIP True Up
	326	Est.	2019 EIP Incentive Payroll
	111	Est.	2019 EIP Incentive Loads
	<b>773</b>		<b>Subtotal Incentives - Prior Year Adjustments</b>
<hr/>			
<b>\$</b>	<b>41,140</b>		<b>Total (O&amp;M and Capital) Actual Incentives and Loads for 2020</b>

**PVGS Executive Cost Report**  
**Year End Forecast**  
**October 2020**  
(\$ Millions)

	YTD	Actuals										Forecast		Year End
	Actuals	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Variance
O & M	466.34	44.59	42.93	46.88	63.14	38.41	40.90	42.13	40.84	44.78	61.74	52.97	45.67	(17.91)
COVID-19 (Incremental) <sup>(2)</sup>	5.78	-	-	0.60	1.75	0.59	0.41	0.67	0.33	0.67	0.76	0.45	0.10	6.33
COVID-19 (Non-Incremental) <sup>(2)</sup>	2.51	-	-	0.05	1.25	0.35	0.15	0.33	0.10	0.14	0.14	0.16	0.16	2.84
Exclusions <sup>(1)</sup>	1.03	-	-	-	-	8.50	-	(1.95)	(1.81)	(1.86)	(1.85)	(1.71)	(1.98)	(2.66)
Incentives <sup>(w/ Loads &amp; Adj)</sup>	0.78	-	-	0.44	-	0.34	-	0.01	-	-	-	-	38.92	(3.00)
Sub Total O&M	476.45	44.59	42.93	47.97	66.14	48.19	41.46	41.19	39.46	43.73	60.79	51.87	82.88	(14.40)
	YTD	Actuals										Forecast		Year End
	Actuals	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Variance
Capital	182.93	10.09	12.07	16.46	24.40	10.85	14.83	8.89	11.04	33.74	40.57	27.61	18.13	(2.03)
COVID-19 (Incremental) <sup>(2)</sup>	1.69	-	-	0.02	0.05	-	-	-	0.12	0.80	0.70	0.31	0.03	2.03
COVID-19 (Non-Incremental) <sup>(2)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exclusions <sup>(1)</sup>	(0.94)	-	-	-	-	(0.22)	-	(0.18)	(0.18)	(0.18)	(0.18)	(0.18)	(0.18)	(1.30)
Incentives <sup>(w/ Loads &amp; Adj)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	1.44	(0.86)
Sub Total Capital	183.68	10.09	12.07	16.48	24.45	10.63	14.83	8.71	10.98	34.36	41.09	27.74	19.42	(2.16)

(1) Exclusions include Mid- Year True-Ups (A&G/PRD, Load Dispatch - Exhibit 1 A&G) and any Mid -Year Rate Changes  
(2) COVID-19 FERC Account is 5240000 for all costs



**MICHAEL MCLAUGHLIN**  
Vice President  
Site Services

5801 S Wintersburg Rd  
Tonopah, AZ 85354

ID: 517-00008  
Date: December 7, 2020

To: File  
Sta. #  
Ext. #

From: M. McLaughlin  
Sta. # 7605  
Ext. # 82-5761

A handwritten signature in black ink, appearing to read "M. McLaughlin".

Subject: **PVGS November 2020 Executive Cost Report**

Attached is the PVGS Executive Cost Report that reflects information for November 2020 for the O&M (including incentives), Capital (including incentives), and Nuclear Fuel budgets. The report compares actual costs to budget for the month, year-to-date (YTD), and presents the year-end variances as summarized below:

**(Millions of Dollars)**

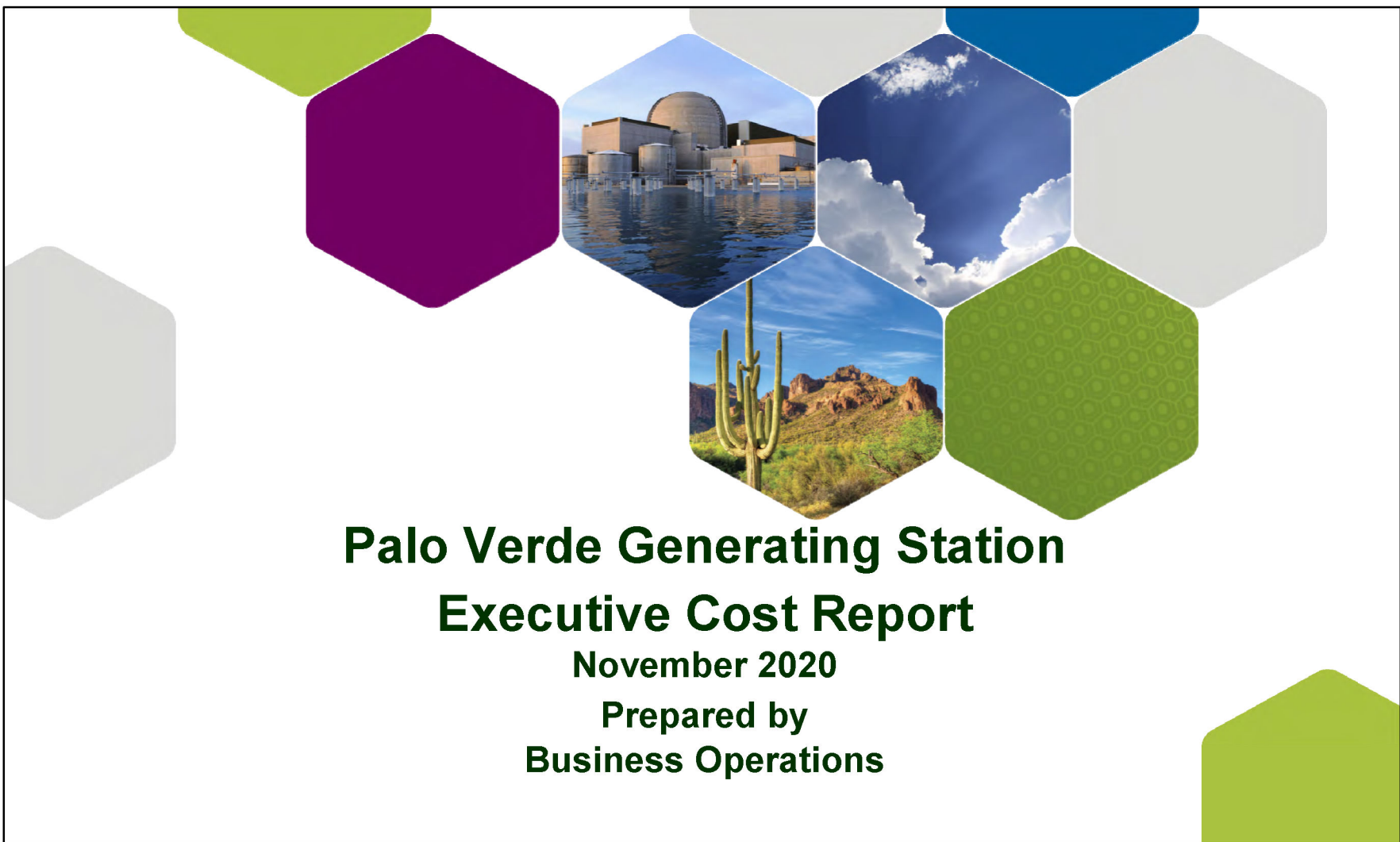
Category	YTD	YTD	Year –
	Budget	Actual	End
O&M	539.41	528.41	(16.20)
Capital	221.97	211.00	(3.00)
Nuclear Fuel	216.65	201.30	(7.20)
Total	978.03	940.71	(26.40)

Please call me if you have any questions or comments.

MM / SB

Attachment

cc:	J. Guldner	9040	T. Mionske	7990
	T. Horton	7602	E. Asturias	7990
	M. Lacal	7605		
	M. McLaughlin	7605		
	B. Rash	7602		

A decorative graphic consisting of several hexagons of different colors (purple, blue, green, grey) arranged in a cluster. Some hexagons contain images: a nuclear power plant, a desert landscape with a saguaro cactus, and a blue sky with white clouds. Other hexagons are solid colors or have a patterned background.

# **Palo Verde Generating Station**

## **Executive Cost Report**

**November 2020**

**Prepared by**  
**Business Operations**

# **Palo Verde Generating Station Executive Cost Report**

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**PVGS Executive Cost Report**  
**All Budgets Recap**  
**November 2020**  
(\$ Millions)

	<u>Current Month</u>			<u>Year-to-Date</u>			<u>Year-End Forecast</u>		
	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Forecast</u>	<u>Var.</u>
<b>O &amp; M</b>	43.27	51.96	8.70	538.80	527.63	(11.17)	582.90	571.50	(11.40)
<b>Incentives</b> (w/ Loads & Adj)	-	-	-	0.61	0.78	0.17	42.70	37.90	(4.80)
<b>Sub Total O&amp;M</b>	43.27	51.96	8.70	539.41	528.41	(11.00)	625.60	609.40	(16.20)
<b>Capital</b>	19.91	27.24	7.33	221.97	211.00	(10.97)	230.70	228.90	(1.80)
<b>Incentives</b> (w/ Loads & Adj)	-	-	-	-	-	-	2.30	1.10	(1.20)
	19.91	27.24	7.33	221.97	211.00	(10.97)	233.00	230.00	(3.00)
<b>Nuclear Fuel</b>	1.25	38.09	36.84	216.65	201.30	(15.35)	214.69	207.49	(7.20)
<b>Total</b>	64.43	117.29	52.86	978.03	940.71	(37.32)	1,073.29	1,046.89	(26.40)
<b>Net Inventory</b>				168.70	189.35	20.65	170.90	200.54	29.64
<b>Revenue</b>	0.32	0.47	0.16	3.03	3.36	0.33	3.21	3.50	0.29

# PVGS Executive Cost Report

## All Budgets Recap

### November 2020

(\$ Millions)

**November 2020 MTD O&M Variance: \$8.70**

MTD	Comments
	<u>Budget Timing:</u>
\$0.00	Incentives:
\$1.39	Online: APS OT Accrual (Mischarges for Second Pay Period - Correction in Nov 2020) \$0.65, Site Support (Outside Services) \$0.55, Misc Support \$0.19
\$5.63	Outage: 1R22: Maintenance Material (\$0.26), APS OT Accrual (Mischarges for Second Pay Period - Correction in Nov 2020)/Misc \$5.89
	<u>Budget Savings:</u>
\$0.00	Incentives:
(\$1.71)	Online: 2020 Payroll Load Rate Adjustment (2020 Exclusion) (\$1.71)
(\$0.90)	Outage: 1R22: O&M Mod Deferral/Shift to Capital/Emergent Work Fund/Contract Labor Controls (\$0.90)
	<u>Budget Impacts:</u>
\$0.00	Incentives:
\$3.38	Online: COVID19 Incremental Support \$0.64, Site Chemicals \$0.47, Destack/Restack Service Support/Misc \$0.36, Engineering Services (Plant Engineering/Eng Projects) \$0.36, Station Services (Adjustment from Prior Month from Savings) \$1.55
\$0.91	Outage: 1R22: Condenser Divider Plate Support \$0.91
<b>Total</b>	<b><u>\$8.70</u></b>

**PVGS Executive Cost Report  
All Budgets Recap  
November 2020  
(\$ Millions)**

November 2020 YTD O&M Variance: (\$11.00) Under-run

YTD	Comments
	<u>Budget Timing</u>
0 33	Online APS OT Accrual/Loads (Mischarges for November - Reversal in Dec 2020) \$1 75, HR Relocation (\$0 38), Station Services (Fees/Dues/Other - 4th Qtr) (\$0 46), Sandia Labs/Policy Group (Contract Update - 4th Qtr) (\$0 58)
1 73	Outage 1R22 APS OT Accrual (Mischarges for November - Reversal in Dec 2020) \$1 73
	<u>Budget Savings</u>
(\$0 61)	Incentives U3R21 100 Day Run (\$0 61)
(\$30 22)	Online Engineering License - ETAP (RUC) (\$0 10), Temporary Employee (Intern) (\$0 10), Low Level Rad Waste Reclassification (\$0 85), Station Services (Fees/Dues/Other) (\$0 97), HR Relocation (\$1 04), SCORE/MLIS Replacement (\$1 21), Site Travel (\$2 80), Site Emergent Work Fund/Site Support Misc (\$3 40), Insurance (Allocation Adjustment, NEIL/ICRP Reimbursement) (\$4 88), 2019 Payroll Load True Up (2020 Exclusion)(\$5 69), 2020 Payroll Load Rate Adjustment (2020 Exclusion) (\$9 18)
(\$9 86)	Outage 1R22 O&M Mod Deferral/Shift to Capital/Emergent Work Fund/Contract Labor Controls (\$1 49), 3R21 Prior Year Outage Support (Final Invoicing/Material Returns) (\$1 66), 2R22 Spring Outage Scope COVID Mitigation/Headcount/Material Request Reduction/Emergent Work Fund (\$6 71)
	<u>Budget Impacts</u>
\$0 78	Incentives 2019 True-Up/EIP Update \$0 78
\$25 54	Online 2019 A&G Load True Up (2020 Exclusion) \$13 62, COVID19 Incremental Support \$6 44, Destack/Restack Service Support \$0 93, Engineering Services (Plant Engineering/Eng Projects) \$0 87, APS Payroll/Loads \$0 79, LPFWH 2R22 Deferral (Online) \$0 61, U3 RCP 1B/U2 FW SNO (APS Overtime, Labor OT, Materials) \$0 58, Vanpool Ridership/Maintenance \$0 57, 2019 Exhibit 1 Load Dispatch True Up (2020 Exclusion) \$0 57, Material Average Unit Cost Adjustments \$0 20, Radwaste (Spent Fuel Pool Iron/Concentrates) \$0 11, Engineering Online Services - Plant and Design \$0 10, NAU Degree Program \$0 10, DOE (Insurance) \$0 10, U2 Main Feedwater Loss SNO (APS Overtime) \$0 05
\$1 31	Outage 1R22 Condenser Divider Plate Support \$1 31
<b>Total</b>	<b><u>(\$11.00)</u></b>



# PVGS Executive Cost Report

## All Budgets Recap

### November 2020

(\$ Millions)

November 2020 MTD Capital Variance: \$7.33 Over-run

MTD	Comments
\$3.12	<u>Budget Timing:</u> WRSS Pipeline 2020 (Timing of work executed prior than budgeted) \$0.47, S.C.O.R.E Supply Chain Optimization (Budgeted all spend in March, now being allocated monthly) \$0.93, Main Generator Stator Rewind U1 (Timing of milestone payment executed one month prior than budgeted) \$1.64, Misc. \$0.08
(\$1.41)	<u>Budget Savings:</u> Clarifiers Life Extension T6 (Project deferred to out years to support other emergent WRF projects) (\$1.23), 2020 Payroll Load Rate Adjustment ( <i>2020 Exclusion</i> ) (\$0.18)
\$5.62	<u>Budget Impacts:</u> Digital SMP Phase II (Tied to engineering to support accelerated installation) \$0.40, (CT Building Upgrades U3 (Work pulled into 2020 from 2021) \$0.42, SOCA Defensive Strategy Upgrades (Additional engineering needed) \$0.44, Pump Replacements U1 2020 (Due to additional emergent outage work) \$0.47, Motor Replacements U1 2020 (Tied to additional cooling tower motor replacements) \$0.48, LP Feedwater Heater Replacement U1R22 (Due to additional heater replacement scope added in the Fall outage) \$0.54, Digital SMP Phase I U3 (Lead unit implementation change from what was budgeted) \$0.58, Adobe License Fees 2020 (Work pulled into 2020 from 2021) \$0.61, I&C and Electrical 1R22 Outage 2020 (Due to emergent pre-amplifier replacement outage work) \$0.70, Valve Replacements U1 2020 (More materials and labor than originally budgeted) \$0.98
<b>Total</b>	<b><u>\$7.33</u></b>

# PVGS Executive Cost Report

## All Budgets Recap

### November 2020

(\$ Millions)

November 2020 YTD Capital Variance: (\$10.97) Under-run

YTD	Comments
	<u>Budget Timing</u>
(\$3 58)	S C O R E Supply Chain Optimization (Originally budgeted \$7 6M payment in March, however, will now be allocated monthly) (\$3 79), Misc \$0 21
	<u>Budget Savings</u>
(\$40 18)	LPFW Heater Repl 2R22 (Scope was removed from 2R22 due to COVID-19) (\$10 28), Clarifiers Life Extension T6 (Project deferred to out years to support other emergent WRF projects) (\$6 62), RCP Motor Repl 1R22 (2020 Milestone payment was executed in 2019 and scope deferred from 1R22) (\$6 40), Security Access Control Computer Repl (Project delayed due to engineering and work pushed in to 2021) (\$3 01), Piping-Fire Protection Yard South Loop (Scope deferred to 2021) (\$2 60), Construction Power Replacement 2020 (Project deferred to out years) (\$2 50), Vehicle Replacements 2020 (Reduction in overall vehicle purchases for the year) (\$1 91), Main Transformer New Spare (Tied to overall project savings) (\$1 53), eWP Advanced Interactive (Delays with Phase I have deferred implementation start to 2021) (\$1 42), LV 22 Blowdown M/U U2 (Project implementation moved to 2021 to correspond with outage) (\$1 31), Concrete and Paving 2020 (Project deferred due to station priorities) (\$1 28), 2019 Payroll Load True Up (2020 Exclusion) (\$0 42), 2020 Payroll Load Rate Adjustment (2020 Exclusion) (\$0 90)
	<u>Budget Impacts</u>
\$32 79	2019 A&G Load True Up \$0 20 (2020 Exclusion), Valve Replacements U1 2020 (Emergent 1R22 valve replacements) \$1 51, Circuit Breaker Repl U1 2020 (Overrun tied to magne-blast breaker rebuilds) \$1 95, SOCA Defensive Strategy Upgrades (Tied to additional engineering needed) \$2 24, Digital SMP Phase II (Tied to engineering to support accelerated installation) \$2 51, Digital SMP Phase I U3 (Due to accelerated installation in 2020/2021) \$3 10, Emergent RCP Motor Repl 2R22 (Emergency 2R22 scope) \$4 83, RCP Motor Replacement 1A 1R22 (Change in 1R22 RCP Motor replacement scope) \$5 42, LP Feedwater Heater Repl 1R22 (Overrun due to heater replacement scope added to the Fall outage) \$11 03
<b>Total</b>	<b><u>(\$10.97)</u></b>

# PVGS Executive Cost Report

## All Budgets Recap

### November 2020

(\$ Millions)

**November 2020 YTD Inventory Variance: \$20.65 Over-run**

YTD	Comments
	<u>Budget Timing:</u>
\$18.90	Less Receipts (\$15.27); Less Issues \$25.22; Greater Adjustments \$19.23; Less Material Returns (\$15.00); Material Sales/Expense \$4.72
	<u>Budget Savings:</u>
\$0.00	
	<u>Budget Impacts:</u>
\$1.75	2019 Inventory Impacts [Less Issues / More Adjustments Partially offset by Less Receipts / Less Returns (\$4.77); MST / Support Ring Moved from Capital Project to Inventory \$6.52.
<b>Total</b>	<b><u><u>\$20.65</u></u></b>

## PVGS Executive Cost Report Nuclear Fuels

November 2020

(\$ Millions)

YTD	Project	Comments
	<b>FIP:</b>	
(\$6.31)	Uranium	Savings - UF6 (Uranium component) quantities order estimate for September less than budgeted, coupled with delivery prices lower than budgeted
\$0.12	Conversion	Impact - EUP (Conversion component) delivery prices higher than budgeted
(\$4.04)	Enrichment	Savings - Enrichment delivery prices lower than budgeted due to favorable market conditions
(\$13.09)	Fabrication	Savings - Reclass of VQP engineering cost from fabrication to outside services, coupled with U3C23 3rd and 4th milestone moved to 2021
(\$3.93)	Use Tax	Savings - U3C23 Use Tax budgeted for July 2020 moved to January 2021, coupled with U1C23/U2C23 Use Tax revision driven by U3O8 AUC correction
\$0.47	Labor	Impact - Framatome Fuel implementation project
\$9.33	Outside Services	Impact - Reclass of VQP engineering cost from fabrication to outside services
(\$0.23)	Other	Savings - NRC Fees associated with Framatome Fuel implementation project less than budgeted
<b>Subtotal FIP</b>	<b>(\$17.67)</b>	
	<b>DCS:</b>	
(\$0.07)	Labor	Timing - MAGNASTOR implementation project
(\$4.22)	Materials	Timing - MAGNASTOR material milestones
(\$0.25)	Outside Services	Timing - MAGNASTOR engineering services
\$0.17	Other	Impact - NRC fees for MAGNASTOR
\$6.70	DOE Settlement	Impact - DOE credit accrual follows dry cask storage expenditures
<b>Subtotal DCS</b>	<b>\$2.33</b>	
<b>Total</b>	<b>(\$15.35)</b>	

**PVGS Executive Cost Report  
O&M Power Block Report  
November 2020  
(\$000)**

	Current Month				Year-to-Date				Total	Remaining
	Budget	Actual	Variance	% Var	Budget	Actual	Variance	% Var	Budget	Budget
UNIT - 1	15,678	23,957	8,280	53%	163,478	167,344	3,866	2%	188,140	20,795
UNIT - 2	10,907	10,821	(86)	-1%	167,996	158,551	(9,445)	-6%	192,593	34,043
UNIT - 3	10,702	10,874	171	2%	132,731	125,840	(6,891)	-5%	157,116	31,275
COMMON	1,034	1,067	33	3%	11,820	16,369	4,549	38%	14,134	(2,234)
PVUNALL	0	0	0	0%	0	0	0	0%	0	(0)
WRF	4,946	5,246	300	6%	63,387	60,307	(3,079)	-5%	73,617	13,310
GENERAL	(0)	0	0	0%	(0)	0	0	0%	(0)	(0)
<b>TOTAL PV</b>	<b>43,266</b>	<b>51,965</b>	<b>8,698</b>	<b>20%</b>	<b>539,411</b>	<b>528,411</b>	<b>(11,000)</b>	<b>-2%</b>	<b>625,600</b>	<b>97,188</b>
PAYROLL	17,936	23,127	5,191	29%	219,529	224,546	5,016	2%	271,559	47,013
CONTRACT LABOR	3,799	4,796	997	26%	42,553	44,558	2,005	5%	44,158	(400)
MATL / SUPPLIES	4,097	4,522	425	10%	59,499	56,810	(2,689)	-5%	63,834	7,024
OUTSIDE SERVICES	3,420	5,785	2,365	69%	56,236	49,775	(6,461)	-11%	58,557	8,782
OTHER	14,015	13,736	(279)	-2%	161,594	152,722	(8,872)	-5%	187,492	34,770
<b>TOTAL PV</b>	<b>43,266</b>	<b>51,965</b>	<b>8,698</b>	<b>20%</b>	<b>539,411</b>	<b>528,411</b>	<b>(11,000)</b>	<b>-2%</b>	<b>625,600</b>	<b>97,188</b>

# PVGS Executive Cost Report

## Capital Improvements Variance Summary

### November 2020

### (\$000)

<----- Current Month ----->					<----- Year-to-Date ----->				Annual Budget
<u>Budget Category</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Percent</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Percent</u>	
1 Plant Modifications	2,743	3,440	697	25%	45,131	46,832	1,701	4%	46,395
2 Equipment & Replacements	12,213	16,991	4,778	39%	92,335	101,644	9,309	10%	94,740
3 Buildings	337	460	123	37%	8,888	3,418	(5,470)	-62%	8,995
4 General Plant	602	88	(514)	-85%	7,968	2,996	(4,972)	-62%	8,059
5 Computers	627	2,626	1,999	319%	17,851	10,786	(7,065)	-40%	18,406
6 Water Rec Facility	2,136	2,404	268	13%	33,863	32,033	(1,830)	-5%	35,162
7 Overheads	1,248	1,235	(13)	-1%	14,937	13,290	(1,646)	-11%	18,677
8 Emergent Work Fund	0	0	0	0%	1,000	0	(1,000)	-100%	2,566
9 Fukushima	0	0	0	0%	0	0	0	0%	0
11 Capitalized Incentives	0	0	0	0%	0	0	0	0%	0
Totals	19,906	27,244	7,338	37%	221,973	211,000	(10,973)	-5%	233,000

**PVGS Executive Cost Report  
Nuclear Fuel Report  
November 2020  
(\$000)**

	<u>Current Month</u>			<u>Year-To-Date</u>			<u>Year-End</u>		
	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Forecast</u>	<u>Variance</u>
<b>Fuel In Process</b>	453	38,045	37,592	214,366	196,691	(17,675)	215,000	205,933	(9,067)
<b>Fuel In Stock</b>	-	-	-	-	-	-	-	-	-
<b>Spent Fuel Disposal</b>	-	-	-	-	-	-	-	-	-
<b>Dry Cask Storage</b>	798	42	(756)	2,287	4,612	2,325	(309)	1,560	1,869
<b>TOTAL NUCLEAR FUEL</b>	<b>1,251</b>	<b>38,087</b>	<b>36,836</b>	<b>216,653</b>	<b>201,303</b>	<b>(15,350)</b>	<b>214,691</b>	<b>207,493</b>	<b>(7,198)</b>

## PVGS Executive Cost Report

### Inventory Balance Sheet

#### November 2020

<b>October 2020 Ending Inventory Balance less Amortization</b>	<b>\$188,566,251</b>
--	----------------------

**Increases:**

Receipts	\$2,794,412
Returns	\$2,753,343
Inventory Adjustments	(\$610,795)
Intercompany Balance	\$0
Accounting Adjustments	\$296,955
Misc JVs (Repair Accrual)	\$0
Misc JV (SOX Accrual)	\$0
Subtotal	\$5,233,915

**Decreases:**

Issues	(\$4,594,670)
--------	---------------

Net Change	<b>\$639,244</b>
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**Amortization Transactions:**

Monthly Amortization Cost	(\$200,000)
Write Offs & Sales	\$341,766

\$141,766

<b>November 2020 Ending Inventory Balance less Amortization</b>	<b>\$189,347,262</b>
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**Notes:**

- Sales to outside utilities for the month was \$128 that was written off at original cost.
- The above sales were invoiced for a total of \$4,384 (net 30 days)
- Current month revenue received for sales to outside utilities totaled (\$4,256)
- To Date Amortization Balance = (\$37,695,443)
- Capitalized Spare Account Balance Original Cost = \$32,538,003



**PVGS Executive Cost Report**  
**Major Inventory Transactions (Over \$25K)**  
**November 2020**

**INVENTORY**

		<u>Qty</u>	<u>\$ Value</u>			<u>Qty</u>	<u>\$ Value</u>
<b>Issue:</b>	BONNET, 12" A/D VALVE	1	\$36,444	<b>Received:</b>	COUPLING, OVERSPEED	2	\$88,174
	CAMERA, THERMAL/CCD/PTZ	1	\$36,362		RING, PISTON STM BYPASS	1	\$27,845
	DEFLECTOR, OIL TG T E	1	\$29,517		DEFLECTOR, OIL TG T E	1	\$29,517
	PUMP, ASSEMBLY, EHC	1	\$59,103		MOTOR, 1000 HP, 3572 RPM	1	\$27,274
	GATE, VALVE	1	\$47,694		DISK STACK, ADV UPGRADE	1	\$0
	MOTOR ELECTRIC 3500 HP	1	\$112,630		DISPERSANT - TOTE	1	\$43,259
	VALVE, BUTTERFLY	2	\$70,800		MOTOR, 13 2HP/3600RPM	1	\$94,023
	DISPERSANT - TOTE	1	\$46,676		REL- TRANSDUCER, EP, 4-20	6	\$154,007
	GATE, VALVE	1	\$47,694		WAFER CHEK VALVE 30"	1	\$29,444
	MOTOR IND 4KV VERTICAL	1	\$84,890		LINER, POWER CYLINDER, DG	1	\$96,722
	PREAMP/FILTER ASM	1	\$65,933		DISPERSANT - TOTE	2	\$86,518
	VALVE, GATE, 16IN	1	\$68,145		QSPDS NODE BOX	1	\$85,500
	QSPDS NODE BOX	1	\$5		QSPDS NODE BOX	1	\$28,708
	ENCLOSURE	1	\$64,453		BONNET ASM, DIAPH VALVE	1	\$83,650
	MAIN GEN NEUTRAL ARRG T	1	\$44,640		QSPDS NODE BOX	1	\$28,708
	SUMP PUMP 3170 1 5X2-11	1	\$70,112		BREAKER, CIRCUIT	1	\$70,635
	DISCONNECT, PRIMARY,FRONT	1	\$36,760	<b>Restock:</b>	GATE, VALVE	1	\$47,694
	REL- TRANSDUCER, EP, 4-20	4	\$6,417		BREAKER, 2500 AMP, TPMM	1	\$30,837
	REL- TRANSDUCER, EP, 4-20	1	\$25,668		BONNET & ARM & DISC ASM	5	\$65,503
	PUMP, SUMP, HI-TDS	1	\$71,890		BONNET & ARM & DISC ASM	1	\$65,503
	QSPDS NODE BOX	1	\$85,500		BONNET & ARM & DISC ASM	1	\$65,503
	ACTUATOR, DAMPER	1	\$25,921		BONNET & ARM & DISC ASM	1	\$65,503
	QSPDS NODE BOX	1	\$30,976		PREAMP/FILTER ASM	1	\$65,933
	VALVE, FOUR WAY	1	\$80,934		WEDGE, GATE VALVE	1	\$26,488
	COUNTER PROPORTIONAL ASSY	1	\$103,653		WEDGE, GATE VALVE	1	\$26,488
	DISPERSANT - TOTE	2	\$23,338		ACTUATOR, AIR CYLINDER	1	\$29,010
	VALVE, 77L-001BB-1	1	\$31,134		REL- TRANSDUCER, EP, 4-20	1	\$25,668
<b>Adjustment:</b>	PUMP ASSEMBLY, EHC	3	\$11,389		VALVE, GLOBE,REG, 4"	1	\$99,886
	PUMP, ASSEMBLY, EHC	2	\$29,552		VALVE, GATE, 16IN	1	\$68,145
					DISCONNECT, PRIMARY,FRONT	1	\$36,760
					WEDGE, GATE VALVE	1	\$26,905
					SEVERE SERVICE KIT 14"	1	\$31,438
					BREAKER, 2500 AMP, TPMM	1	\$30,837

## Revenue, Budget, Actuals, Forecast Variance By Month November 2020

Description		Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b><u>Quantity (acre-feet):</u></b>														
T&T Units 1 & 2	Budget	3,674	274	193	206	94	547	382	454	433	424	98	365	204
	Act/F'cast	4,387	176	379	186	71	706	460	522	534	389	207	553	204
	Var	713	(98)	186	(20)	(23)	159	78	68	101	(35)	109	188	-
<b><u>Unit Rate (\$/acre-foot):</u></b>														
Transportation & Treatment		\$843												
<b><u>Revenue (\$ 000):</u></b>														
T&T Units 1 & 2	Budget	3,099	231	163	174	79	461	322	383	365	358	83	308	172
	Act/F'cast	3,698	149	320	157	60	596	388	439	450	328	174	465	172
	Var	599	(82)	157	(17)	(19)	135	66	56	85	(30)	91	157	(50)
Adjustments*		(50)	-	-	-	-	-	-	-	-	-	-	-	(50)
Initial Reserve Fee & Credits - U1 & U2	Budget	38	4	4	4	5	1	2	2	2	2	5	3	4
	Act/F'cast	35	4	1	4	5	1	2	2	2	2	5	3	4
	Var	(3)	-	(3)	-	-	-	-	-	-	-	-	-	-
Add'l Reserve Fee & Credits - U3 & U4	Budget	75	6	6	6	6	6	6	6	6	6	6	6	6
	Act/F'cast	75	6	6	6	6	6	6	6	6	6	6	6	6
	Var	-	-	-	-	-	-	-	-	-	-	-	-	-
2019 Transportation and Treatment True-Ups	Budget	-	-	-	-	-	-	-	-	-	-	-	-	-
	Act/F'cast	-	-	-	(261)	-	-	-	-	-	-	-	-	-
	Var	-	-	-	(261)	-	-	-	-	-	-	-	-	-
<b>Total Revenue</b>														
	Budget	3,212	241	173	184	91	469	330	391	373	366	94	317	182
	Act/F'cast	3,496	160	328	(93)	72	601	396	447	458	336	185	474	132
	Var	284	(82)	155	(277)	(19)	132	66	56	85	(30)	91	157	(50)

**PVGS Executive Cost Report**  
**Total Outage (O&M)**  
**November 2020**  
**(\$ Millions)**

	<u>Current Month</u>			<u>Year-To-Date</u>			<u>Year-End</u>		
<u>2020 Outages</u>	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Forecast</u>	<u>Var.</u>
Unit - 2	-	0.13	0.13	34.23	27.52	(6.71)	34.23	27.52	(6.71)
Unit - 1	4.76	10.28	5.52	28.93	30.76	1.83	28.96	31.36	2.40
<b>Sub-Total 2020 Outages</b>	<b>4.76</b>	<b>10.41</b>	<b>5.65</b>	<b>63.16</b>	<b>58.28</b>	<b>(4.88)</b>	<b>63.19</b>	<b>58.88</b>	<b>(4.31)</b>
 <u>2019 Outage Expenses</u>									
Unit - 3	-	0.04	0.04	-	(1.31)	(1.31)	-	(1.31)	(1.31)
<b>Sub-Total 2019 Outages</b>	<b>-</b>	<b>0.04</b>	<b>0.04</b>	<b>-</b>	<b>(1.31)</b>	<b>(1.31)</b>	<b>-</b>	<b>(1.31)</b>	<b>(1.31)</b>
<b>Total</b>	<b>4.76</b>	<b>10.45</b>	<b>5.69</b>	<b>63.16</b>	<b>56.97</b>	<b>(6.19)</b>	<b>63.19</b>	<b>57.57</b>	<b>(5.62)</b>

# PVGS Executive Cost Report

## APS Employees & Overtime

### Contract Labor Overtime

#### November 2020

		APS			Contract Labor			
		Employees			Overtime %		Overtime %	
	<u>Organization</u>	<u>Budget</u>	<u>Actual</u>	<u>Var</u>	<u>Budget</u>	<u>Actual</u>	<u>Budget</u>	<u>Actual</u>
82PP	Nuclear Operations	1,094	1,087	(7)	20%	45%	34%	65%
97PP	Nuclear Engineering	310	301	(9)	7%	20%	0%	30%
96PP	Emergency Services & Support	463	470	7	16%	31%	5%	17%
83PP	Station Support Organizations	64	54	(10)	4%	4%	0%	60%
Total		1,931	1,912	(19)	16%	36%	20%	51%
Year-To-Date Average		1,961	1,928	(33)	9%	16%	14%	18%
Equivalent "Borrowed" Employees								
Current Month		56	53	(3)				
Year-To-Date		56	56	0				

Note All budgets and actual include O&M, Capital and Fuel values

# PVGS Executive Cost Report

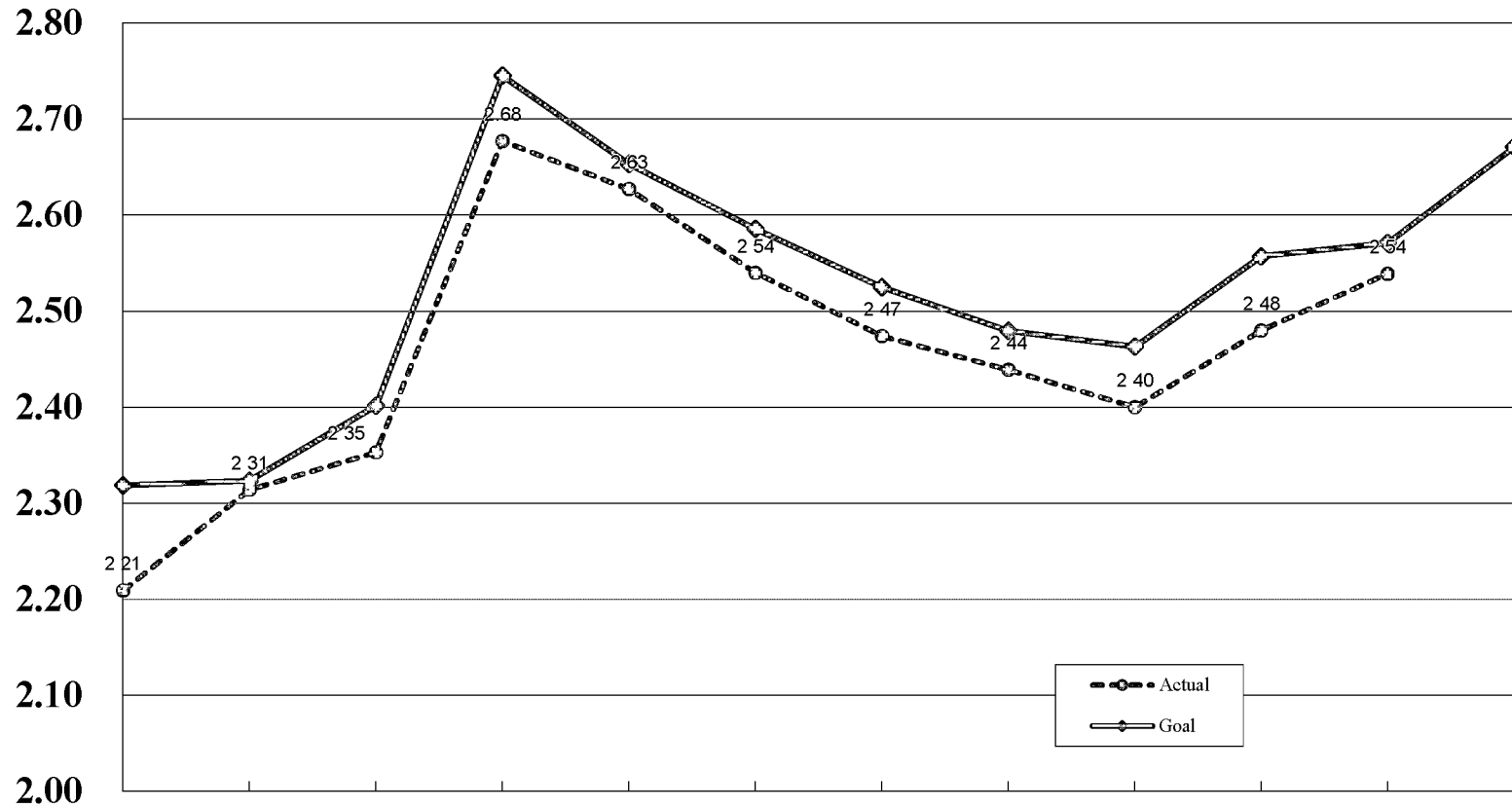
## Contract Labor and Outside Service Report

### November 2020

#### (\$000)

ORGANIZATION	Non-Outage O&M						Outage O&M					
	Contract Labor			Outside Services			Contract Labor			Outside Services		
	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>
<b>82PP Total Nuc Operations</b>												
Current Month	\$1,038	\$1,316	\$278	\$748	\$1,246	\$498	\$1,797	\$1,812	\$16	\$315	\$732	\$417
YTD Closed	\$14,926	\$15,370	\$444	\$10,505	\$9,027	(\$1,479)	\$16,351	\$14,466	(\$1,885)	\$8,639	\$5,243	(\$3,396)
<b>97PP Tot Nuclear Eng &amp; Support</b>												
Current Month	\$160	\$210	\$50	\$558	\$988	\$430	\$25	\$124	\$99	\$295	\$844	\$549
YTD Closed	\$1,974	\$2,073	\$99	\$7,054	\$7,927	\$873	\$252	\$351	\$99	\$10,194	\$9,982	(\$212)
<b>96PP Total Operations Support</b>												
Current Month	\$725	\$1,058	\$334	\$476	\$793	\$317	\$49	\$122	\$72	\$0	\$126	\$126
YTD Closed	\$8,660	\$10,229	\$1,569	\$6,334	\$8,371	\$2,037	\$277	\$445	\$169	\$417	\$464	\$47
<b>83PP Total Station Support</b>												
Current Month	\$5	\$169	\$164	\$529	\$1,057	\$528	\$0	(\$15)	(\$15)	\$500	\$0	(\$500)
YTD Closed	\$113	\$1,619	\$1,506	\$12,093	\$8,762	(\$3,331)	\$0	\$5	\$5	\$1,000	\$0	(\$1,000)
<b>Total</b>												
Current Month	\$1,928	\$2,753	\$825	\$2,310	\$4,083	\$1,772	\$1,871	\$2,043	\$172	\$1,110	\$1,702	\$592
YTD Closed	\$25,673	\$29,291	\$3,618	\$35,986	\$34,086	(\$1,900)	\$16,880	\$15,267	(\$1,613)	\$20,250	\$15,689	(\$4,561)

## PVGS Executive Cost Report 2020 YTD Production Costs



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Goal	2.32	2.32	2.40	2.75	2.65	2.59	2.52	2.48	2.46	2.56	2.57	2.67
Actual	2.21	2.31	2.35	2.68	2.63	2.54	2.47	2.44	2.40	2.48	2.54	

## PVGS Executive Cost Report

### O&M Cost per Kilowatt Hour

#### November 2020

A.	O&M Costs (\$000):	527,639	
	Amortization/Redhawk Tertiary	(3,784)	
	Incentives	783	
	<b>Net O&amp;M:</b>	<u>524,638</u>	
B.	Net Generation (MWh):		
	Unit 1	8,979,723	
	Unit 2	9,469,539	
	Unit 3	<u>10,281,760</u>	
	<b>Total</b>	<b><u>28,731,022</u></b>	
C.	Net O&M Cost per kWh:	1.826	<i>Cents per KWhr (1 &amp; 3)</i>
D.	Nuclear Fuel Expense:	<u>0.713</u>	<i>Cents per KWhr (2)</i>
E.	Total O&M Cost per kWh (W/Fuel)	<b>2.539</b>	<i>Cents per KWhr (1, 2, &amp; 3)</i>
I.	2019 Actual:	2.67	<i>Cents per KWhr (1, 2, &amp; 3)</i>
II.	2018 Actual Revised:	2.69	<i>Cents per KWhr (1, 2, &amp; 3)</i>
III.	2017 Actual Revised:	2.78	<i>Cents per KWhr (1 &amp; 2)</i>
IV.	2016 Actual Revised:	2.81	<i>Cents per KWhr (1 &amp; 2)</i>
V.	2015 Actual Revised:	2.78	<i>Cents per KWhr (1 &amp; 2)</i>
VI.	2014 Actual Revised:	2.87	<i>Cents per KWhr (1 &amp; 2)</i>
VII.	2013 Actual Revised:	2.93	<i>Cents per KWhr (1 &amp; 2)</i>
VIII.	2012 Actual Revised:	2.92	<i>Cents per KWhr (1 &amp; 2)</i>
IX.	2011 Actual Revised:	2.90	<i>Cents per KWhr (1 &amp; 2)</i>
X.	2010 Actual Revised:	2.83	<i>Cents per KWhr (1 &amp; 2)</i>

**Note: Revision of the Production Cost Calculation**

- (1) O&M is calculated as O&M costs including incentives, less amortization
- (2) Fuel Expense YTD = \$205.0 M. The fixed and variable costs related to nuclear spent fuel rod storage are not included in the unit costs
- (3) The amounts related to amortization and Redhawk Tertiary are not included in the unit costs

**PVGS Executive Cost Report**  
**FERC Cost Report**  
**November 2020**  
**(\$ 000)**

		Current Month				Year to Date				Total	Remaining
		Budget	Actual	Variance	% Var	Budget	Actual	Variance	% Var	Budget	Budget
<b><u>Production Operations</u></b>											
5170000	517 Ops Supv & Eng	5,662	6,795	1,133	20%	68,982	70,711	1,728	3%	75,018	4,307
5190000	519 Coolants and Water	3,275	3,647	372	11%	42,960	41,702	(1,258)	-3%	50,241	8,538
5200000	520 Steam Expenses	2,774	3,564	790	28%	30,639	28,940	(1,698)	-6%	33,114	4,174
5230000	523 Electric Expenses	3,251	3,126	(124)	-4%	37,549	36,117	(1,432)	-4%	41,238	5,120
5240000	524 Misc Nuc Power Exp	8,134	9,531	1,397	17%	104,226	104,997	771	1%	141,452	36,455
5250000	525 Nuc Power Rents	-	-	-	0%	-	-	-	0%	-	-
<b>Total Production Operations</b>		<b>23,095</b>	<b>26,664</b>	<b>3,569</b>	<b>15%</b>	<b>284,356</b>	<b>282,468</b>	<b>(1,888)</b>	<b>-1%</b>	<b>341,063</b>	<b>58,595</b>
<b><u>Production Maintenance</u></b>											
5280000	528 Supv & Eng	996	781	(215)	-22%	18,385	15,681	(2,704)	-15%	18,991	3,310
5290000	529 Maint of Structure	302	636	334	111%	5,374	7,538	2,164	40%	6,129	(1,409)
5300000	530 Maint of Reactor Plant Equip	4,900	5,448	548	11%	60,135	39,734	(20,401)	-34%	62,498	22,764
5310000	531 Maint of Electric Plant	1,317	5,487	4,170	317%	21,605	35,468	13,863	64%	22,839	(12,629)
5320000	532 Maint of Misc Nuc Plant	574	989	415	72%	5,882	10,626	4,744	81%	6,249	(4,377)
<b>Total Production Maintenance</b>		<b>8,090</b>	<b>13,342</b>	<b>5,252</b>	<b>65%</b>	<b>111,382</b>	<b>109,047</b>	<b>(2,335)</b>	<b>-2%</b>	<b>116,706</b>	<b>7,659</b>
<b><u>Transmission</u></b>											
5560000	556 Sys Cntl/Load Dispatch	602	455	(147)	-24%	6,627	5,500	(1,127)	-17%	7,229	1,729
<b>Total Transmissions</b>		<b>602</b>	<b>455</b>	<b>(147)</b>	<b>-24%</b>	<b>6,627</b>	<b>5,500</b>	<b>(1,127)</b>	<b>-17%</b>	<b>7,229</b>	<b>1,729</b>
<b><u>Other</u></b>											
4081001	408 Payroll Taxes	1,255	1,619	363	29%	15,367	14,494	(873)	-6%	19,009	4,515
4082001	408 Other Taxes	-	-	-	0%	-	6	6	0%	-	(6)
4261000	426 Donations/Penalties	15	10	(5)	-100%	112	213	101	90%	112	(101)
4264000	426 Civic Political	-	2	2	0%	-	25	25	0%	-	(25)
4265000	426 Other Deductions/Exp	-	5	5	0%	-	202	202	0%	-	(202)
9240000	924 Property Insurance	566	561	(5)	-1%	6,221	876	(5,345)	-86%	6,786	5,910
9250000	925 Injuries & Damages	290	337	47	16%	3,650	2,342	(1,308)	-36%	3,971	1,629
9250001	925 Injuries & Damages - Benefits	148	150	2	1%	1,770	1,136	(634)	-36%	1,941	805
9260001	926 Pensions & Benefits	2,880	1,170	(1,711)	-59%	34,515	21,442	(13,073)	-38%	37,841	16,398
9280000	928 Reg Commission Exp	1,482	1,454	(28)	-2%	16,139	15,197	(942)	-6%	17,621	2,424
9302000	930 Admin & General Exp	4,843	6,196	1,353	28%	59,273	75,464	16,191	27%	73,321	(2,143)
<b>Total Other</b>		<b>11,479</b>	<b>11,504</b>	<b>25</b>	<b>0%</b>	<b>137,047</b>	<b>131,397</b>	<b>(5,650)</b>	<b>-4%</b>	<b>160,601</b>	<b>29,204</b>
<b>Total</b>		<b>43,266</b>	<b>51,965</b>	<b>8,698</b>	<b>20%</b>	<b>539,411</b>	<b>528,411</b>	<b>(11,000)</b>	<b>-2%</b>	<b>625,600</b>	<b>97,188</b>



# **PVGS Executive Cost Report** **2020 Total (O&M and Capital) Actual Incentives with Loads** **November 2020**

\$ 29,103,901	Est.	Total Year End Incentive
-	Act	Total Unit-3 Outage Incentive (100 day run)
<b>29,103,901</b>		<b>Subtotal Estimate Incentives for 2020</b>
<hr/>		
\$ 9,895,326	Est.	Total Loads For Year-End Incentive
-	Act	Total Unit-3 Outage Incentive (100 day run)
<b>9,895,326</b>		<b>Subtotal Estimate Incentive Load for 2020</b>
<hr/>		
\$ 336	Est.	2019 EIP True Up
326	Est.	2019 EIP Incentive Payroll
111	Est.	2019 EIP Incentive Loads
<b>773</b>		<b>Subtotal Incentives - Prior Year Adjustments</b>
<hr/>		
<b>\$ 39,000,000</b>		<b>Total (O&amp;M and Capital) Actual Incentives and Loads for 2020</b>

**PVGS Executive Cost Report**  
**Year End Forecast**  
**November 2020**  
(\$ Millions)

	YTD	Actuals											Forecast	Year End
	Actuals	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Variance
O & M	519.12	44.59	42.93	46.88	63.14	38.41	40.90	42.13	40.84	44.78	61.74	52.78	45.40	(18.38)
COVID-19 (Incremental) <sup>(2)</sup>	6.42	-	-	0.60	1.75	0.59	0.41	0.67	0.33	0.67	0.76	0.64	0.28	6.70
COVID-19 (Non-Incremental) <sup>(2)</sup>	2.77	-	-	0.05	1.25	0.35	0.15	0.33	0.10	0.14	0.14	0.26	0.16	2.93
Exclusions <sup>(1)</sup>	(0.68)	-	-	-	-	8.50	-	(1.95)	(1.81)	(1.86)	(1.85)	(1.71)	(1.98)	(2.66)
Incentives <sup>(w/ Loads &amp; Adj)</sup>	0.78	-	-	0.44	-	0.34	-	0.01	-	-	-	-	37.12	(4.80)
Sub Total O&M	528.41	44.59	42.93	47.97	66.14	48.19	41.46	41.19	39.46	43.73	60.79	51.96	80.99	(16.20)

	YTD	Actuals											Forecast	Year End
	Actuals	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Variance
Capital	210.14	10.09	12.07	16.46	24.40	10.85	14.83	8.89	11.04	33.74	40.57	27.21	18.10	(2.46)
COVID-19 (Incremental) <sup>(2)</sup>	1.90	-	-	0.02	0.05	-	-	-	0.12	0.80	0.70	0.21	0.06	1.96
COVID-19 (Non-Incremental) <sup>(2)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exclusions <sup>(1)</sup>	(1.12)	-	-	-	-	(0.22)	-	(0.18)	(0.18)	(0.18)	(0.18)	(0.18)	(0.18)	(1.30)
Incentives <sup>(w/ Loads &amp; Adj)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	1.10	(1.20)
Sub Total Capital	210.92	10.09	12.07	16.48	24.45	10.63	14.83	8.71	10.98	34.36	41.09	27.24	19.08	(3.00)

(1) Exclusions include: Mid- Year True-Ups (A&G/PRD, Load Dispatch - Exhibit 1 A&G) and any Mid -Year Rate Changes  
(2) COVID-19 FERC Account is 5240000 for all costs



**MICHAEL MCLAUGHLIN**  
Vice President  
Site Services

5801 S Wintersburg Rd  
Tonopah, AZ 85354

ID: 517-00009  
Date: January 13, 2021

To: File  
Sta. #  
Ext. #

From: M. McLaughlin  
Sta. # 7605  
Ext. # 82-5761

Subject: **PVGS December 2020 Executive Cost Report**

Attached is the PVGS Executive Cost Report that reflects information for December 2020 for the O&M (including incentives), Capital (including incentives), and Nuclear Fuel budgets. The report compares actual costs to budget for the month, year-to-date (YTD), and presents the year-end variances as summarized below:

**(Millions of Dollars)**

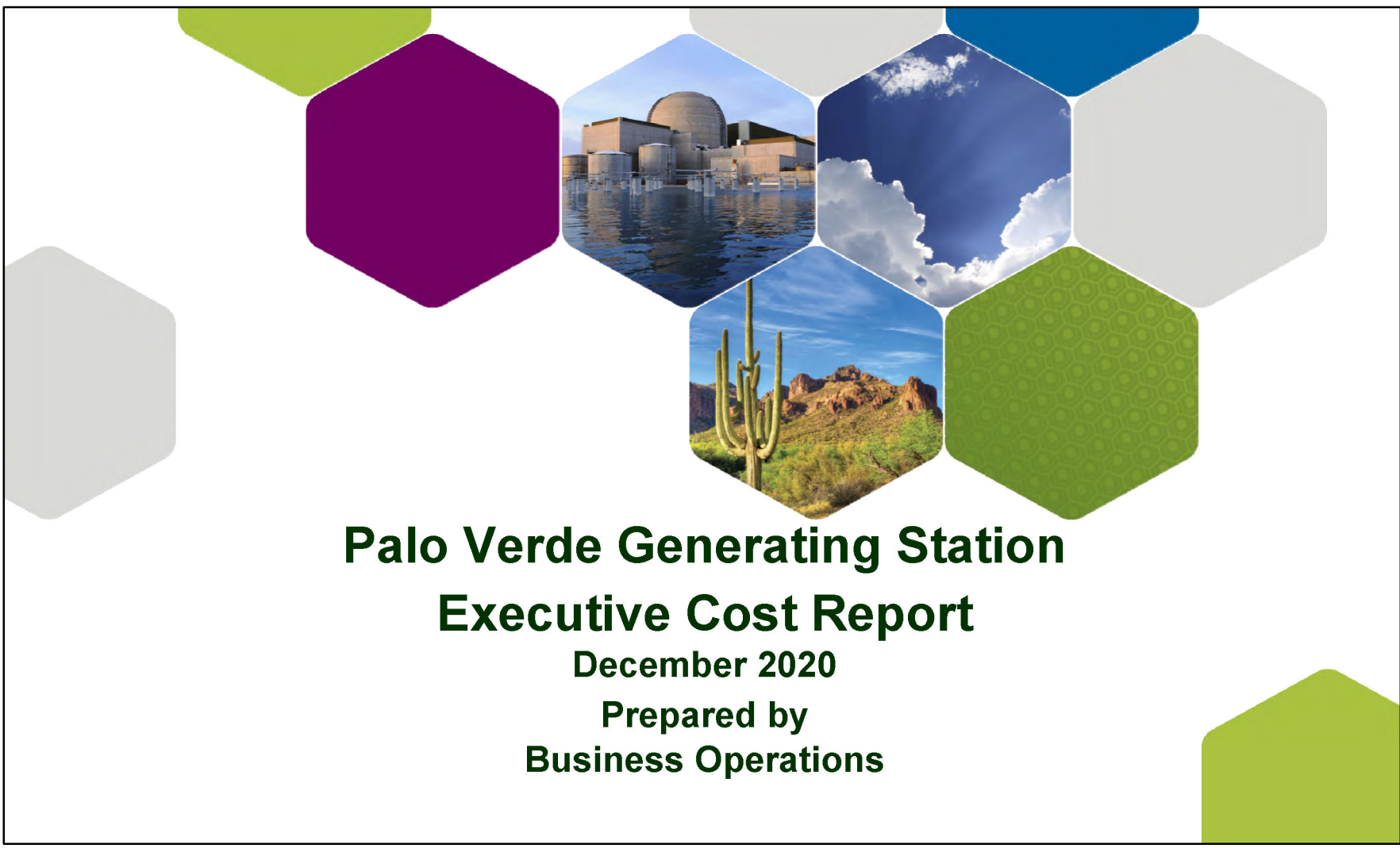
Category	YTD Budget	YTD Actual	Year – End Variance
O&M	625.60	609.40	(16.20)
Capital	233.00	229.93	(3.07)
Nuclear Fuel	214.69	207.72	(6.97)
<b>Total</b>	<b>1,073.29</b>	<b>1,047.05</b>	<b>(26.24)</b>

Please call me if you have any questions or comments.

MM / SB

Attachment

cc:	J. Guldner	9040	T. Mionske	7990
	T. Horton	7602	E. Asturias	7990
	M. Lacal	7605		
	M. McLaughlin	7605		
	B. Rash	7602		

A decorative graphic consisting of several hexagons of different colors (purple, blue, green, grey) arranged in a cluster. Some hexagons contain images: a nuclear power plant, a desert landscape with a saguaro cactus, and a blue sky with white clouds. Other hexagons are solid colors or have a patterned background.

# **Palo Verde Generating Station**

## **Executive Cost Report**

**December 2020**

**Prepared by**  
**Business Operations**

# **Palo Verde Generating Station Executive Cost Report**

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**PVGS Executive Cost Report**  
**All Budgets Recap**  
**December 2020**  
(\$ Millions)

	<u>Current Month</u>			<u>Year-to-Date</u>			<u>Year-End Forecast</u>		
	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Forecast</u>	<u>Var.</u>
<b>O &amp; M</b>	44.09	44.58	0.48	582.90	572.21	(10.69)	582.90	572.21	(10.69)
<b>Incentives</b> (w/ Loads & Adj)	42.09	36.41	(5.68)	42.70	37.19	(5.51)	42.70	37.19	(5.51)
<b>Sub Total O&amp;M</b>	86.19	80.99	(5.20)	625.60	609.40	(16.20)	625.60	609.40	(16.20)
<b>Capital</b>	8.72	17.30	8.58	230.70	228.30	(2.40)	230.70	228.30	(2.40)
<b>Incentives</b> (w/ Loads & Adj)	2.30	1.63	(0.67)	2.30	1.63	(0.67)	2.30	1.63	(0.67)
	11.02	18.93	7.91	233.00	229.93	(3.07)	233.00	229.93	(3.07)
<b>Nuclear Fuel</b>	(1.96)	6.42	8.38	214.69	207.72	(6.97)	214.69	207.72	(6.97)
<b>Total</b>	95.25	106.34	11.09	1,073.29	1,047.05	(26.24)	1,073.29	1,047.05	(26.24)
<b>Net Inventory</b>				170.90	190.23	19.33	170.90	190.23	19.33
<b>Revenue</b>	0.18	0.18	0.00	3.21	3.54	0.33	3.21	3.54	0.33

# PVGS Executive Cost Report

## All Budgets Recap

### December 2020

(\$ Millions)

**December 2020 MTD O&M Variance: (\$5.20)**

MTD	Comments
	<u>Budget Timing:</u>
\$0.00	Incentives:
\$0.00	Online:
\$0.00	Outage:
	<u>Budget Savings:</u>
(\$5.70)	Incentives: 2020 Employee Incentive Program (Site Capacity Factor/OSHA)
(\$2.04)	Online: Site Emergent Work Fund/Site Support Misc (\$0.36), 2020 Payroll Load Rate Adjustment ( <i>2020 Exclusion</i> ) (\$1.68)
(\$0.89)	Outage: 1R22: O&M Mod Deferral/Shift to Capital/Emergent Work Fund/Contract Labor Controls (\$0.89)
	<u>Budget Impacts:</u>
\$0.00	Incentives:
\$0.44	Online: COVID19 Incremental Support \$0.44
\$2.99	Outage: 1R22: Condenser Divider Plate Support \$0.32, Outage Reschedule APS OT/Loads \$2.67
<b>Total</b>	<b><u>(\$5.20)</u></b>

**PVGS Executive Cost Report**  
**All Budgets Recap**  
**December 2020**  
(\$ Millions)

December 2020 YTD O&M Variance: (\$16.20) Under-run

YTD	Comments
	<u>Budget Timing</u>
\$0 00	Online
\$0 00	Outage
	<u>Budget Savings</u>
(\$6 31)	Incentives U3R21 100 Day Run and 2020 Employee Incentive Program (Site Capacity Factor/OSHA)
	Online Engineering License - ETAP (RUC) (\$0 10), Temporary Employee (Intern) (\$0 10), SCORE/MLIS Replacement (\$0 89), Low Level Rad Waste Reclassification (\$0 97), HR Relocation (\$1 39), Station Services (Fees/Dues/Other) (\$1 59), Site Travel (\$2 80), Site Emergent Work Fund/Site Support Misc (\$2 91), Insurance (Allocation Adjustment, NEIL/ICRP Reimbursement) (\$4 95), 2019 Payroll Load True Up (2020 Exclusion) (\$5 69), 2020 Payroll Load Rate Adjustment (2020 Exclusion) (\$10 90)
(\$32 29)	Outage 1R22 O&M Mod Deferral/Shift to Capital/Emergent Work Fund/Contract Labor Controls (\$1 97), 3R21 Prior Year Outage Support (Final Invoicing/Material Returns) (\$1 72), 2R22 Spring Outage Scope COVID Mitigation/Headcount/Material Request Reduction/Emergent Work Fund (\$7 06)
	<u>Budget Impacts</u>
\$0 78	Incentives 2019 True-Up/EIP Update \$0 78
	Online 2019 A&G Load True Up (2020 Exclusion) \$13 62, COVID19 Incremental Support \$6 86, APS Payroll and Adjustments/Loads \$1 98, Engineering Services (Plant Engineering/Eng Projects) \$1 40, Destack/Restack Service Support \$1 14, Vanpool Ridership/Maintenance \$0 65, LPFVH 2R22 Deferral (Online) \$0 61, U3 RCP 1B/U2 FW SNO (APS Overtime, Labor OT, Materials) \$0 58, 2019 Exhibit 1 Load Dispatch True Up (2020 Exclusion) \$0 57, Material Average Unit Cost Adjustments \$0 20, Radwaste (Spent Fuel Pool Iron/Concentrates) \$0 11, Engineering Online Services - Plant and Design \$0 10, NAU Degree Program \$0 10, DOE (Insurance) \$0 10, U2 Main Feedwater Loss SNO (APS Overtime) \$0 05
\$28 07	
\$4 30	Outage 1R22 Outage Reschedule APS OT/Loads \$2 67, Condenser Divider Plate Support \$1 63
<b>Total</b>	<b><u>(\$16.20)</u></b>



# PVGS Executive Cost Report All Budgets Recap December 2020 (\$ Millions)

December 2020 MTD Capital Variance: \$7.91 Over-run

MTD	Comments
\$0 00	<u>Budget Timing</u>
	<u>Budget Savings</u>
(\$2 55)	Clarifiers Life Extension T6 (Project deferred to out years to support other emergent WRF projects) (\$0 86), Main Generator Stator Rewind U1 (Work completed sooner than budgeted) (\$0 84), Capitalized Incentives 2020 (2020 Employee Incentive Program) (\$0 67), 2020 Payroll Load Rate Adjustment (2020 Exclusion ) (\$0 18)
	<u>Budget Impacts</u>
\$10 46	Retention Tank Life Extension (Overall project delays pushed this project into 2020) \$0 29, PV Info Technology Equip Repl (2020 pull in equipment purchase, partial 2021 offset) \$0 29, Circuit Breaker Repl U3 2020 (Material move from U1 and additional breaker rebuild cost) \$0 32, Waste Centrifuge Piers Refurbishment (2020 pull in project in order to complete in 2020) \$0 35, CT Building Upgrades U3 (Work pulled into 2020 from 2021) \$0 36, Clarifiers Life Extension T3 (Due to additional engineering and unforeseen implementation costs) \$0 37, Digital SMP Phase II (Tied to engineering to support accelerated installation) \$0 37, SP Chemical Addition Upgrade U3 (Variance is due to implementation delays earlier in the year) \$0 37, CT Life Extension 2021 U3 (2020 pull in material purchase, partial 2021 offset) \$0 41, SP Concrete Repl U3 (Variance is due to implementation delays earlier in the year) \$0 52, Digital SMP Phase I U3 (Lead unit implementation change from what was budgeted) \$0 64, Roadway Asphalt Replacement (2020 spend opportunity to offset out-year spend) \$0 72, EDG Spare Generator (Equipment milestone payment budgeted earlier in the year) \$0 90, Polar Crane U1 (Due to outage vendor delay notice) \$1 30, Clarifiers Life Extension T1 (Due to support project implementation starting in 2021) \$1 40, Site Tools and Equipment 2020 (2020 pull in items to support Safety initiatives) \$1 74, Misc \$0 11
<b>Total</b>	<b><u>\$7.91</u></b>

# **PVGS Executive Cost Report** **All Budgets Recap** **December 2020** (\$ Millions)

**December 2020 YTD Capital Variance: (\$3.07) Under-run**

YTD	Comments
\$0 00	<u>Budget Timing</u>  <u>Budget Savings</u> LPFW Heater Repl 2R22 (Scope was removed from 2R22 due to COVID-19) (\$10 28), Clarifiers Life Extension T6 (Project deferred to out years to support other emergent WRF projects) (\$7 48), RCP Motor Repl 1R22 (2020 Milestone payment was executed in 2019 and scope deferred from 1R22) (\$6 40), S C O R E Supply Chain Optimization (Partial payment in 2019 and overall 2020 implementation costs lower than budgeted) (\$3 58), Security Access Control Computer Repl (Project delayed due to engineering and work pushed in to 2021) (\$3 20), Piping-Fire Protection Yard South Loop (Scope deferred to 2021) (\$2 92), Construction Power Replacement 2020 (Project deferred to out years) (\$2 50), Vehicle Replacements 2020 (Reduction in overall vehicle purchases for the year) (\$1 92), Main Transformer New Spare (Tied to overall project savings) (\$1 53), eWP Advanced Interactive (Delays with Phase I have deferred implementation start to 2021) (\$1 50), 2020 Capital Incentives (2020 Employee Incentive Program) (\$0 70), 2019 Payroll Load True Up (2020 Exclusion) (\$0 42), 2020 Payroll Load Rate Adjustment (2020 Exclusion) (\$1 08), Misc (\$0 61)
\$41 05	<u>Budget Impacts</u> 2019 A&G Load True Up \$0 20 (2020 Exclusion), RCP Seal Replacement U3 1B (Emergent Spring outage scope) \$1 01, Clarifiers Life Extension T3 (Due to additional engineering and unforeseen implementation costs) \$1 71, Site Tools and Equipment 2020 (2020 pull in items to Safety initiatives) \$1 99, Polar Crane U1 (Due to outage vendor delay notice) \$2 08, SOCA Defensive Strategy Upgrades (Tied to additional engineering needed) \$2 29, Clarifiers Life Extension T1 (Due to support project implementation starting in 2021) \$2 85, Digital SMP Phase II (Tied to engineering to support accelerated installation) \$2 88, Digital SMP Phase I U3 (Due to accelerated installation in 2020/2021) \$3 74, Emergent RCP Motor Repl 2R22 (Emergency 2R22 scope) \$4 83, RCP Motor Replacement 1A 1R22 (Change in 1R22 RCP Motor replacement scope) \$5 46, LP Feedwater Heater Repl 1R22 (Overrun due to heater replacement scope added to the Fall outage) \$11 10, Misc \$0 91
<b>Total</b>	<b><u>(\$3.07)</u></b>

# PVGS Executive Cost Report

## All Budgets Recap

### December 2020

(\$ Millions)

**December 2020 YTD Inventory Variance: \$19.33 Over-run**

YTD	Comments
	<u>Budget Timing:</u>
\$0.00	
	<u>Budget Savings:</u>
(\$29.61)	Less Receipts (\$15.56); Less Material Returns (\$14.05)
	<u>Budget Impacts:</u>
\$48.94	2020 Budget Impacts: Less Issues \$25.13; Greater Adjustments \$17.37; Material Sales/Expense \$4.69 2019 Inventory Impacts [Less Issues / More Adjustments Partially offset by Less Receipts / Less Returns (\$4.77); MST / Support Ring Moved from Capital Project to Inventory \$6.52.
<b>Total</b>	<b><u>\$19.33</u></b>

## PVGS Executive Cost Report Nuclear Fuels

December 2020

(\$ Millions)

YTD	Project	Comments
	<u>FIP:</u>	
(\$6.31)	Uranium	Savings - UF6 (Uranium component) quantities order estimate for September less than budgeted, coupled with delivery prices lower than budgeted
\$0.14	Conversion	Impact - EUP (Conversion component) delivery prices higher than budgeted
\$4.24	Enrichment	Impact - Approved SWU Spot purchase, coupled with enrichment delivery prices lower than budgeted due to favorable market conditions
(\$13.09)	Fabrication	Savings - Reclass of VQP engineering cost from fabrication to outside svcs
(\$3.93)	Use Tax	Savings - U3C23 Use Tax budgeted for July 2020 moved to January 2021, coupled with U1C23/U2C23 Use Tax revision driven by U3O8 AUC correction
\$0.35	Labor	Impact - Framatome Fuel implementation project
\$9.34	Outside Services	Impact - Reclass of VQP engineering cost from fabrication to outside svcs
(\$0.23)	Other	Savings - NRC Fees associated with Framatome Fuel implementation project less than budgeted
<b>Subtotal FIP</b>	<u>(\$9.49)</u>	
	<u>DCS:</u>	
\$0.03	Labor	Impact - DCS labor expenses higher than budgeted
	Materials	Savings - MAGNASTOR material procurement less than budgeted
(\$2.30)		
	Outside Services	Savings - MAGNASTOR engineering services less than budgeted
(\$0.16)		
\$0.17	Other	Impact - NRC Fees for MAGNASTOR project implementation more than budgeted
\$4.77	DOE Settlement	Impact - DOE credit accrual follow changes in MAGNASTOR systems order
<b>Subtotal DCS</b>	<u>\$2.52</u>	
<b>Total</b>	<u><u>(\$6.97)</u></u>	

**PVGS Executive Cost Report  
O&M Power Block Report  
December 2020  
(\$000)**

	Current Month				Year-to-Date				Total	Remaining
	Budget	Actual	Variance	% Var	Budget	Actual	Variance	% Var	Budget	Budget
UNIT - 1	24,662	24,190	(472)	-2%	188,140	191,534	3,394	2%	188,140	(3,394)
UNIT - 2	24,597	22,017	(2,580)	-10%	192,593	180,568	(12,025)	-6%	192,593	12,025
UNIT - 3	24,385	22,550	(1,834)	-8%	157,116	148,391	(8,725)	-6%	157,116	8,725
COMMON	2,314	2,777	463	20%	14,134	19,146	5,012	35%	14,134	(5,012)
PVUNALL	0	0	0	0%	0	0	0	0%	0	(0)
WRF	10,230	9,455	(775)	-8%	73,617	69,762	(3,855)	-5%	73,617	3,855
GENERAL	0	0	0	0%	(0)	0	0	0%	(0)	(0)
<b>TOTAL PV</b>	<b>86,188</b>	<b>80,989</b>	<b>(5,199)</b>	<b>-6%</b>	<b>625,600</b>	<b>609,401</b>	<b>(16,199)</b>	<b>-3%</b>	<b>625,600</b>	<b>16,199</b>
PAYROLL	52,029	48,425	(3,604)	-7%	271,559	272,971	1,412	1%	271,559	(1,412)
CONTRACT LABOR	1,605	2,252	647	40%	44,158	46,810	2,652	6%	44,158	(2,652)
MATL / SUPPLIES	4,335	4,152	(183)	-4%	63,834	60,963	(2,871)	-4%	63,834	2,871
OUTSIDE SERVICES	2,321	3,673	1,352	58%	58,557	53,448	(5,109)	-9%	58,557	5,109
OTHER	25,898	22,487	(3,411)	-13%	187,492	175,209	(12,283)	-7%	187,492	12,283
<b>TOTAL PV</b>	<b>86,188</b>	<b>80,989</b>	<b>(5,199)</b>	<b>-6%</b>	<b>625,600</b>	<b>609,401</b>	<b>(16,199)</b>	<b>-3%</b>	<b>625,600</b>	<b>16,199</b>

**PVGS Executive Cost Report**  
**Capital Improvements Variance Summary**  
**December 2020**  
**(\$000)**

<----- Current Month ----->					<----- Year-to-Date ----->				<b>Annual Budget</b>
<b><u>Budget Category</u></b>	<b><u>Budget</u></b>	<b><u>Actual</u></b>	<b><u>Variance</u></b>	<b><u>Percent</u></b>	<b><u>Budget</u></b>	<b><u>Actual</u></b>	<b><u>Variance</u></b>	<b><u>Percent</u></b>	
1 Plant Modifications	1,262	3,569	2,307	183%	46,395	50,400	4,005	9%	46,395
2 Equipment & Replacements	2,402	7,110	4,707	196%	94,740	108,754	14,014	15%	94,740
3 Buildings	104	611	507	488%	8,995	4,029	(4,966)	-55%	8,995
4 General Plant	89	451	363	409%	8,059	3,448	(4,611)	-57%	8,059
5 Computers	557	901	345	62%	18,406	11,688	(6,718)	-36%	18,406
6 Water Rec Facility	1,298	3,766	2,468	190%	35,162	35,799	637	2%	35,162
7 Overheads	3,740	2,518	(1,222)	-33%	18,677	15,808	(2,869)	-15%	18,677
8 Emergent Work Fund	1,566	0	(1,566)	-100%	2,566	0	(2,566)	-100%	2,566
9 Fukushima	0	0	0	0%	0	0	0	0%	0
11 Capitalized Incentives	0	0	0	0%	0	0	0	0%	0
<b>Totals</b>	<b>11,018</b>	<b>18,928</b>	<b>7,910</b>	<b>72%</b>	<b>233,000</b>	<b>229,927</b>	<b>(3,073)</b>	<b>-1%</b>	<b>233,000</b>

**PVGS Executive Cost Report**  
**Nuclear Fuel Report**  
**December 2020**  
(\$000)

	<u>Current Month</u>			<u>Year-To-Date</u>			<u>Year-End</u>		
	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Forecast</u>	<u>Variance</u>
<b>Fuel In Process</b>	634	8,819	8,185	215,000	205,510	(9,490)	215,000	205,510	(9,490)
<b>Fuel In Stock</b>	-	-	-	-	-	-	-	-	-
<b>Spent Fuel Disposal</b>	-	-	-	-	-	-	-	-	-
<b>Dry Cask Storage</b>	(2,596)	(2,402)	194	(309)	2,210	2,519	(309)	2,210	2,519
<b>TOTAL NUCLEAR FUEL</b>	<b>(1,962)</b>	<b>6,417</b>	<b>8,379</b>	<b>214,691</b>	<b>207,720</b>	<b>(6,971)</b>	<b>214,691</b>	<b>207,720</b>	<b>(6,971)</b>

## PVGS Executive Cost Report

### Inventory Balance Sheet

#### December 2020

**November 2020 Ending Inventory Balance less Amortization**

**\$189,347,262**

**Increases:**

Receipts	\$1,957,038
Returns	\$2,067,157
Inventory Adjustments	(\$126,037)
Intercompany Balance	\$0
Accounting Adjustments	(\$861,605)
Misc JVs (Repair Accrual)	\$0
Misc JV (SOX Accrual)	\$0
Subtotal	<u>\$3,036,553</u>

**Decreases:**

Issues	(\$2,082,793)
--------	---------------

Net Change **\$953,761**

**Amortization Transactions:**

Monthly Amortization Cost	(\$200,000)
Write Offs & Sales	\$124,307
	<u>(\$75,693)</u>

**December 2020 Ending Inventory Balance less Amortization**

**\$190,225,330**

**Notes:**

- Sales to outside utilities for the month was \$2,155 that was written off at original cost.
- The above sales were invoiced for a total of \$4,020 (net 30 days)
- Current month revenue received for sales to outside utilities totaled (\$1,865)
- To Date Amortization Balance = (\$37,771,136)
- Capitalized Spare Account Balance Original Cost = \$32,538,003



# **PVGS Executive Cost Report** **Major Inventory Transactions (Over \$25K)** **December 2020**

## **INVENTORY**

		<u>Qty</u>	<u>\$ Value</u>			<u>Qty</u>	<u>\$ Value</u>
Issue:	VALVE, 77L-001BB-1	2	\$62,267	Received:	CABLE, OVERSPEED SHUTDOWN	3	\$124,513
	BREAKER, CIRCUIT K2000S	2	\$52,260		MOTOR 500 HP 45 ACRE	1	\$87,445
	CKTBRK, 3000A, SS4	1	\$44,971		AUGER STP WRF	1	\$37,042
	STACK ASSEMBLY, COIL	3	\$65,868		STP CONTROLLER WRF	1	\$27,689
	P-BAR MAIN GENERATOR	1	\$166,000	Restock:	CIRC WATER PUMP DIFFUSER	1	\$184,000
	MOTOR 500 HP 45 ACRE	1	\$87,445		CIRC WATER SUCTION BELL	1	\$37,400
	AUGER STP WRF	1	\$39,116		VALVE, 77L-001BB-1	1	\$31,134
	STP CONTROLLER WRF	1	\$29,240		REL- TRANSDUCER, EP, 4-20	1	\$25,668
			CIRC WATER PUMP SHAFT		1	\$48,470	
			BREAKER, CIRCUIT		1	\$190,000	
			BREAKER, CIRCUIT		1	\$190,000	
			MOTOR 500 HP 45 ACRE		1	\$87,445	
			VALVE PRZ SAFETY 6 IN		1	\$101,217	
			VALVE PRZ SAFETY 6 IN		1	\$101,217	
			VALVE PRZ SAFETY 6 IN		1	\$101,217	
			VALVE PRZ SAFETY 6 IN		1	\$101,217	
			MOTOR, 13 2HP/3600RPM		1	\$94,023	
			COUNTER PROPORTIONAL ASSY		1	\$103,653	

## Revenue, Budget, Actuals, Forecast Variance By Month December 2020

Description		Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b><u>Quantity (acre-feet):</u></b>														
T&T Units 1 & 2	Budget	3,674	274	193	206	94	547	382	454	433	424	98	365	204
	Act/F'cast	4,380	176	379	186	71	706	460	522	534	389	207	553	197
	Var	706	(98)	186	(20)	(23)	159	78	68	101	(35)	109	188	(7)
<b><u>Unit Rate (\$/acre-foot):</u></b>														
Transportation & Treatment		\$843												
<b><u>Revenue (\$ 000):</u></b>														
T&T Units 1 & 2	Budget	3,099	231	163	174	79	461	322	383	365	358	83	308	172
	Act/F'cast	3,693	149	320	157	60	596	388	439	450	328	174	465	167
	Var	594	(82)	157	(17)	(19)	135	66	56	85	(30)	91	157	(6)
Adjustments*	Act/F'cast	-	-	-	-	-	-	-	-	-	-	-	-	-
	Var	-	-	-	-	-	-	-	-	-	-	-	-	-
	Var	-	-	-	-	-	-	-	-	-	-	-	-	-
Initial Reserve Fee & Credits - U1 & U2	Budget	38	4	4	4	5	1	2	2	2	2	5	3	4
	Act/F'cast	35	4	1	4	5	1	2	2	2	2	5	3	4
	Var	(3)	-	(3)	-	-	-	-	-	-	-	-	-	-
Add'l Reserve Fee & Credits - U3 & U4	Budget	75	6	6	6	6	6	6	6	6	6	6	6	6
	Act/F'cast	75	6	6	6	6	6	6	6	6	6	6	6	6
	Var	-	-	-	-	-	-	-	-	-	-	-	-	-
2019 Transportation and Treatment True-Ups	Budget	-	-	-	-	-	-	-	-	-	-	-	-	-
	Act/F'cast	-	-	-	(261)	-	-	-	-	-	-	-	-	-
	Var	-	-	-	(261)	-	-	-	-	-	-	-	-	-
<b>Total Revenue</b>														
	Budget	3,212	241	173	184	91	469	330	391	373	366	94	317	182
	Act/F'cast	3,541	160	328	(93)	72	601	396	447	458	336	185	474	177
	Var	329	(82)	155	(277)	(19)	132	66	56	85	(30)	91	157	(5)

**PVGS Executive Cost Report**  
**Total Outage (O&M)**  
**December 2020**  
**(\$ Millions)**

	<u>Current Month</u>			<u>Year-To-Date</u>			<u>Year-End</u>		
<u>2020 Outages</u>	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Actual</u>	<u>Var.</u>	<u>Budget</u>	<u>Forecast</u>	<u>Var.</u>
Unit - 2	-	(0.36)	(0.36)	34.23	27.17	(7.06)	34.23	27.17	(7.06)
Unit - 1	0.03	0.83	0.80	28.96	31.29	2.33	28.96	31.29	2.33
<b>Sub-Total 2020 Outages</b>	<b>0.03</b>	<b>0.47</b>	<b>0.44</b>	<b>63.19</b>	<b>58.46</b>	<b>(4.73)</b>	<b>63.19</b>	<b>58.46</b>	<b>(4.73)</b>
<u>2019 Outage Expenses</u>									
Unit - 3	-	(0.06)	(0.06)	-	(1.37)	(1.37)	-	(1.37)	(1.37)
<b>Sub-Total 2019 Outages</b>	<b>-</b>	<b>(0.06)</b>	<b>(0.06)</b>	<b>-</b>	<b>(1.37)</b>	<b>(1.37)</b>	<b>-</b>	<b>(1.37)</b>	<b>(1.37)</b>
<b>Total</b>	<b>0.03</b>	<b>0.41</b>	<b>0.38</b>	<b>63.19</b>	<b>57.09</b>	<b>(6.10)</b>	<b>63.19</b>	<b>57.09</b>	<b>(6.10)</b>

## PVGS Executive Cost Report

### APS Employees & Overtime

### Contract Labor Overtime

### December 2020

		APS			Contract Labor			
		Employees			Overtime %		Overtime %	
	<u>Organization</u>	<u>Budget</u>	<u>Actual</u>	<u>Var</u>	<u>Budget</u>	<u>Actual</u>	<u>Budget</u>	<u>Actual</u>
82PP	Nuclear Operations	1,088	1,082	(6)	4%	22%	2%	10%
97PP	Nuclear Engineering	310	301	(9)	0%	4%	0%	1%
96PP	Emergency Services & Support	463	465	2	11%	27%	2%	5%
83PP	Station Support Organizations	64	53	(11)	1%	1%	0%	20%
Total		1,925	1,901	(24)	5%	20%	2%	8%
Year-To-Date Average		1,958	1,926	(32)	9%	16%	13%	17%
Equivalent "Borrowed" Employees								
Current Month		56	56	0				
Year-To-Date		56	56	0				

Note All budgets and actual include O&M, Capital and Fuel values

# PVGS Executive Cost Report

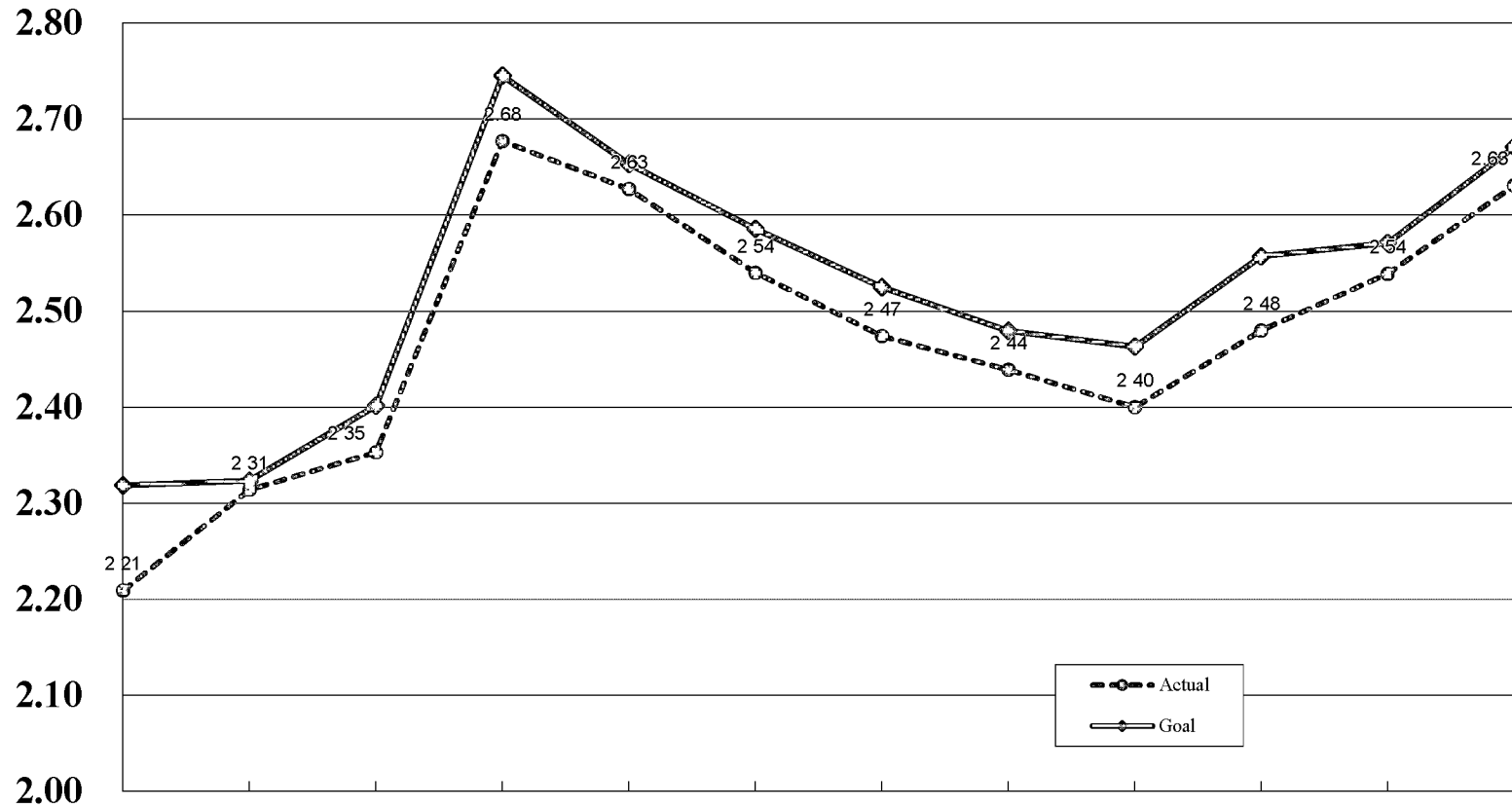
## Contract Labor and Outside Service Report

### December 2020

(\$000)

ORGANIZATION	Non-Outage O&M						Outage O&M					
	Contract Labor			Outside Services			Contract Labor			Outside Services		
	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>
<b>82PP Total Nuc Operations</b>												
Current Month	\$966	\$1,190	\$224	\$771	\$843	\$72	\$0	\$150	\$150	\$0	\$112	\$112
YTD Closed	\$15,892	\$16,561	\$669	\$11,276	\$9,869	(\$1,407)	\$16,351	\$14,616	(\$1,735)	\$8,639	\$5,355	(\$3,284)
<b>97PP Tot Nuclear Eng &amp; Support</b>												
Current Month	\$92	\$148	\$56	\$400	\$930	\$530	\$0	\$2	\$2	\$0	\$29	\$29
YTD Closed	\$2,066	\$2,221	\$155	\$7,454	\$8,857	\$1,403	\$252	\$352	\$100	\$10,194	\$10,011	(\$183)
<b>96PP Total Operations Support</b>												
Current Month	\$525	\$805	\$280	\$508	\$894	\$386	\$0	\$21	\$21	\$0	(\$29)	(\$29)
YTD Closed	\$9,185	\$11,034	\$1,849	\$6,842	\$9,265	\$2,423	\$277	\$467	\$190	\$417	\$435	\$18
<b>83PP Total Station Support</b>												
Current Month	\$22	(\$65)	(\$87)	\$642	\$895	\$253	\$0	\$0	\$0	\$0	\$0	\$0
YTD Closed	\$135	\$1,554	\$1,419	\$12,735	\$9,656	(\$3,079)	\$0	\$5	\$5	\$1,000	\$0	(\$1,000)
<b>Total</b>												
Current Month	\$1,605	\$2,079	\$474	\$2,321	\$3,562	\$1,241	\$0	\$173	\$173	\$0	\$112	\$112
YTD Closed	\$27,278	\$31,370	\$4,092	\$38,307	\$37,647	(\$660)	\$16,880	\$15,440	(\$1,440)	\$20,250	\$15,801	(\$4,449)

## PVGS Executive Cost Report 2020 YTD Production Costs



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Goal	2.32	2.32	2.40	2.75	2.65	2.59	2.52	2.48	2.46	2.56	2.57	2.67
Actual	2.21	2.31	2.35	2.68	2.63	2.54	2.47	2.44	2.40	2.48	2.54	2.63

## PVGS Executive Cost Report

### O&M Cost per Kilowatt Hour

#### December 2020

A.	O&M Costs (\$000):	572,216	
	Amortization/Redhawk Tertiary	(4,128)	
	Incentives	37,195	
	<b>Net O&amp;M:</b>	<u>605,283</u>	
B.	Net Generation (MWh):		
	Unit 1	9,810,373	
	Unit 2	10,466,373	
	Unit 3	11,267,585	
	<b>Total</b>	<b><u>31,544,331</u></b>	
C.	Net O&M Cost per kWh:	1.919	<i>Cents per KWhr (1 &amp; 3)</i>
D.	Nuclear Fuel Expense:	<u>0.712</u>	<i>Cents per KWhr (2)</i>
E.	Total O&M Cost per kWh (W/Fuel)	<b>2.631</b>	<i>Cents per KWhr (1, 2, &amp; 3)</i>
I.	2019 Actual:	2.67	<i>Cents per KWhr (1, 2, &amp; 3)</i>
II.	2018 Actual Revised:	2.69	<i>Cents per KWhr (1, 2, &amp; 3)</i>
III.	2017 Actual Revised:	2.78	<i>Cents per KWhr (1 &amp; 2)</i>
IV.	2016 Actual Revised:	2.81	<i>Cents per KWhr (1 &amp; 2)</i>
V.	2015 Actual Revised:	2.78	<i>Cents per KWhr (1 &amp; 2)</i>
VI.	2014 Actual Revised:	2.87	<i>Cents per KWhr (1 &amp; 2)</i>
VII.	2013 Actual Revised:	2.93	<i>Cents per KWhr (1 &amp; 2)</i>
VIII.	2012 Actual Revised:	2.92	<i>Cents per KWhr (1 &amp; 2)</i>
IX.	2011 Actual Revised:	2.90	<i>Cents per KWhr (1 &amp; 2)</i>
X.	2010 Actual Revised:	2.83	<i>Cents per KWhr (1 &amp; 2)</i>

**Note: Revision of the Production Cost Calculation**

- (1) O&M is calculated as O&M costs including incentives, less amortization
- (2) Fuel Expense YTD = \$224.4 M. The fixed and variable costs related to nuclear spent fuel rod storage are not included in the unit costs
- (3) The amounts related to amortization and Redhawk Tertiary are not included in the unit costs

**PVGS Executive Cost Report**  
**FERC Cost Report**  
**December 2020**  
**(\$ 000)**

		Current Month				Year to Date				Total	Remaining
		Budget	Actual	Variance	% Var	Budget	Actual	Variance	% Var	Budget	Budget
<b><u>Production Operations</u></b>											
5170000	517 Ops Supv & Eng	6,036	5,129	(906)	-15%	75,018	75,840	822	1%	75,018	(822)
5190000	519 Coolants and Water	7,281	6,307	(974)	-13%	50,241	48,010	(2,231)	-4%	50,241	2,231
5200000	520 Steam Expenses	2,476	2,046	(430)	-17%	33,114	30,987	(2,128)	-6%	33,114	2,128
5230000	523 Electric Expenses	3,689	3,557	(131)	-4%	41,238	39,674	(1,563)	-4%	41,238	1,563
5240000	524 Misc Nuc Power Exp	37,226	38,598	1,371	4%	141,452	143,595	2,143	2%	141,452	(2,143)
5250000	525 Nuc Power Rents	-	-	-	0%	-	-	-	0%	-	-
<b>Total Production Operations</b>		<b>56,707</b>	<b>55,638</b>	<b>(1,070)</b>	<b>-2%</b>	<b>341,063</b>	<b>338,106</b>	<b>(2,957)</b>	<b>-1%</b>	<b>341,063</b>	<b>2,957</b>
<b><u>Production Maintenance</u></b>											
5280000	528 Supv & Eng	606	(228)	(834)	-138%	18,991	15,453	(3,538)	-19%	18,991	3,538
5290000	529 Maint of Structure	755	544	(210)	-28%	6,129	8,082	1,953	32%	6,129	(1,953)
5300000	530 Maint of Reactor Plant Equip	2,363	1,467	(897)	-38%	62,498	41,200	(21,298)	-34%	62,498	21,298
5310000	531 Maint of Electric Plant	1,234	1,911	677	55%	22,839	37,379	14,540	64%	22,839	(14,540)
5320000	532 Maint of Misc Nuc Plant	367	864	497	136%	6,249	11,490	5,241	84%	6,249	(5,241)
<b>Total Production Maintenance</b>		<b>5,324</b>	<b>4,558</b>	<b>(767)</b>	<b>-14%</b>	<b>116,706</b>	<b>113,605</b>	<b>(3,101)</b>	<b>-3%</b>	<b>116,706</b>	<b>3,101</b>
<b><u>Transmission</u></b>											
5560000	556 Sys Cntl/Load Dispatch	602	479	(123)	-20%	7,229	5,978	(1,251)	-17%	7,229	1,251
<b>Total Transmissions</b>		<b>602</b>	<b>479</b>	<b>(123)</b>	<b>-20%</b>	<b>7,229</b>	<b>5,978</b>	<b>(1,251)</b>	<b>-17%</b>	<b>7,229</b>	<b>1,251</b>
<b><u>Other</u></b>											
4081001	408 Payroll Taxes	3,642	3,390	(252)	-7%	19,009	17,884	(1,125)	-6%	19,009	1,125
4082001	408 Other Taxes	-	-	-	0%	-	6	6	0%	-	(6)
4261000	426 Donations/Penalties	-	66	-	0%	112	278	166	148%	112	(166)
4264000	426 Civic Political	-	2	2	0%	-	28	28	0%	-	(28)
4265000	426 Other Deductions/Exp	-	(5)	(5)	0%	-	197	197	0%	-	(197)
9240000	924 Property Insurance	565	561	(4)	-1%	6,786	1,437	(5,349)	-79%	6,786	5,349
9250000	925 Injuries & Damages	321	252	(69)	-21%	3,971	2,594	(1,377)	-35%	3,971	1,377
9250001	925 Injuries & Damages - Benefits	171	173	2	1%	1,941	1,309	(632)	-33%	1,941	632
9260001	926 Pensions & Benefits	3,326	1,353	(1,972)	-59%	37,841	22,796	(15,045)	-40%	37,841	15,045
9280000	928 Reg Commission Exp	1,482	1,368	(114)	-8%	17,621	16,565	(1,056)	-6%	17,621	1,056
9302000	930 Admin & General Exp	14,048	13,155	(893)	-6%	73,321	88,618	15,298	21%	73,321	(15,298)
<b>Total Other</b>		<b>23,554</b>	<b>20,315</b>	<b>(3,239)</b>	<b>-14%</b>	<b>160,601</b>	<b>151,712</b>	<b>(8,889)</b>	<b>-6%</b>	<b>160,601</b>	<b>8,889</b>
<b>Total</b>		<b>86,188</b>	<b>80,989</b>	<b>(5,199)</b>	<b>-6%</b>	<b>625,600</b>	<b>609,401</b>	<b>(16,199)</b>	<b>-3%</b>	<b>625,600</b>	<b>16,199</b>



# **PVGS Executive Cost Report** **2020 Total (O&M and Capital) Actual Incentives with Loads** **December 2020**

\$	28,837	Act	Total Year End Incentive
	-	Act	Total Unit-3 Outage Incentive (100 day run)
	<b>28,837</b>		<b>Subtotal Estimate Incentives for 2020</b>
<hr/>			
\$	9,536	Act	Total Loads For Year-End Incentive
	-	Act	Total Unit-3 Outage Incentive (100 day run)
	<b>9,536</b>		<b>Subtotal Estimate Incentive Load for 2020</b>
<hr/>			
\$	336	Act	2019 EIP True Up
	-	Act	2019 EIP Incentive Payroll
	114	Act	2019 EIP Incentive Loads
	<b>450</b>		<b>Subtotal Incentives - Prior Year Adjustments</b>
<hr/>			
<b>\$</b>	<b>38,823</b>		<b>Total (O&amp;M and Capital) Actual Incentives and Loads for 2020</b>

**PVGS Executive Cost Report**  
**Year End Forecast**  
**December 2020**  
(\$ Millions)

	YTD	Actuals												Year End
	Actuals	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Variance
O & M	564.30	44.59	42.93	46.88	63.14	38.41	40.90	42.13	40.84	44.78	61.74	52.78	45.18	(18.60)
COVID-19 (Incremental) <sup>(2)</sup>	6.86	-	-	0.60	1.75	0.59	0.41	0.67	0.33	0.67	0.76	0.64	0.44	6.86
COVID-19 (Non-Incremental) <sup>(2)</sup>	3.41	-	-	0.05	1.25	0.35	0.15	0.33	0.10	0.14	0.14	0.26	0.64	3.41
Exclusions <sup>(1)</sup>	(2.36)	-	-	-	-	8.50	-	(1.95)	(1.81)	(1.86)	(1.85)	(1.71)	(1.68)	(2.36)
Incentives <sup>(w/ Loads &amp; Adj)</sup>	37.19	-	-	0.44	-	0.34	-	0.01	-	-	-	-	36.41	(5.51)
Sub Total O&M	609.40	44.59	42.93	47.97	66.14	48.19	41.46	41.19	39.46	43.73	60.79	51.96	80.99	(16.20)

	YTD	Actuals												Year End
	Actuals	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Variance
Capital	227.98	10.09	12.07	16.48	24.46	10.85	14.83	8.89	11.04	33.74	40.57	27.21	17.76	(2.72)
COVID-19 (Incremental) <sup>(2)</sup>	1.62	-	-	0.02	0.05	-	-	-	0.12	0.80	0.70	0.21	(0.28)	1.62
COVID-19 (Non-Incremental) <sup>(2)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exclusions <sup>(1)</sup>	(1.30)	-	-	-	-	(0.22)	-	(0.18)	(0.18)	(0.18)	(0.18)	(0.18)	(0.18)	(1.30)
Incentives <sup>(w/ Loads &amp; Adj)</sup>	1.63	-	-	-	-	-	-	-	-	-	-	-	1.63	(0.67)
Sub Total Capital	229.93	10.09	12.07	16.50	24.51	10.63	14.83	8.71	10.98	34.36	41.09	27.24	18.93	(3.07)

(1) Exclusions include Mid- Year True-Ups (A&G/PRD, Load Dispatch - Exhibit 1 A&G) and any Mid -Year Rate Changes  
(2) COVID-19 FERC Account is 5240000 for all costs