



Western
Area Power
Administration

PRS SOFTWARE

Contract award information

April 12, 2017



Purpose

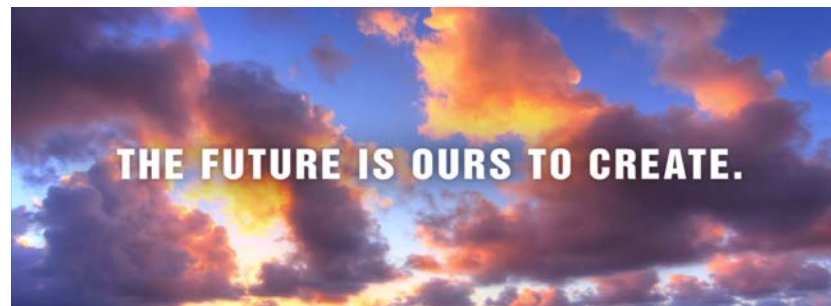
Replace the current Power Repayment Study (PRS) software to one reliable WAPA-wide PRS platform

- Save time
- Save cost
- Focus on analysis
- Consistent with Strategic Roadmap 2024
- Improvement of transparency per DOE reporting



Future Picture

- WAPA-wide single platform
- Transparent and auditable (no black-box)
- User-friendly
- Report generator
- Built-in data validation functions
- Compliant with DOE policies



Utilities International, Inc.



- UIPlanner software, by Utilities International (UII)
- UII, Company formed in 1994, specialize in planning and analytical solutions
- UII clients represent over 70% of the electric utility industry in terms of assets and revenue

PRS Total Costs

- Total Purchase and 1st year annual expense
 - \$3,990,002 including vendor & WAPA
- Break down
 - Vendor Capital - \$2,890,000
 - WAPA Capital - \$520,000
 - 1st year annual expense - \$580,002

Cost Allocation

50/50 split methodology based on PRS fee and gross revenues

- PRS fee = 50%
 - Evenly divided across the 15 studies
 - Which equal 6.7% per study
- Gross Revenues = 50%
 - Taken from the 2014 Statistical Appendix
 - Each project's proportionate share of total gross revenues
- The same methodology will be applied to both capitalized and expensed items



50/50 Cost Sharing Calculation

Project	Fixed Share	2014 Gross Rev (M)	Rev Cost Share	Weighted 50/50 Total
BC	6.7%	\$ 96.7	7.7%	7.19%
CVP	6.7%	\$ 189.2	15.1%	10.87%
Fry Ark	6.7%	\$ 20.0	1.6%	4.13%
PD	6.7%	\$ 64.3	5.1%	5.90%
P-S	6.7%	\$ 627.0	50.0%	28.32%
Colbran	6.7%	\$ 1.0	0.1%	3.37%
CRSP	6.7%	\$ 190.6	15.2%	10.93%
Dolores	6.7%	\$ 3.2	0.3%	3.46%
Rio Grand	6.7%	\$ 2.5	0.2%	3.43%
SeedSkadee	6.7%	\$ 0.1	0.0%	3.34%
CAP	6.7%	\$ 10.0	0.8%	3.73%
FA	6.7%	\$ 6.8	0.5%	3.60%
Intertie	6.7%	\$ 42.3	3.4%	5.02%
Provo	6.7%	\$ 0.2	0.0%	3.34%
Washoe	6.7%	\$ 0.7	0.1%	3.36%
Total	100.0%	\$ 1,254.6	100.0%	100.0%

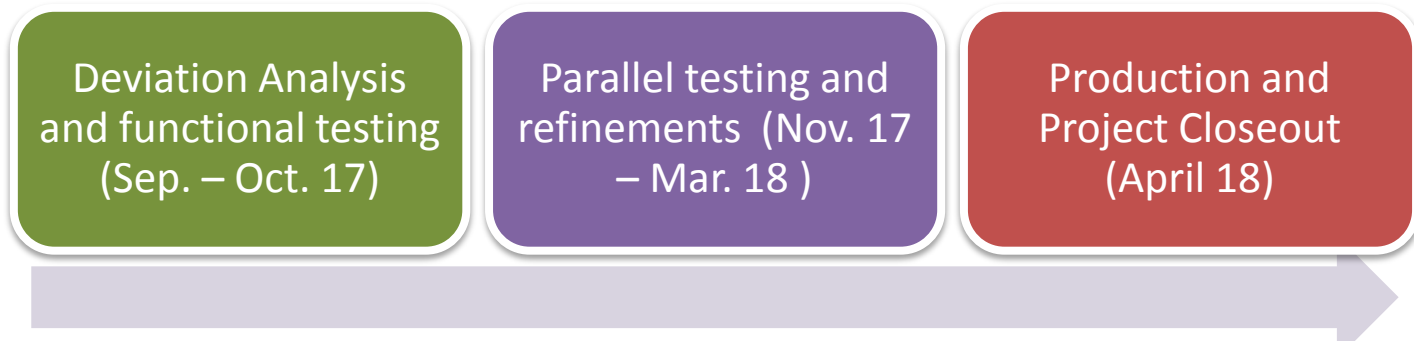
Project Cost Allocation

	Vendor			Annual		Total	
	Purchase	WAPA	Total	Depreciation	1st yr Annual	Capital &	Allocation
	Capital Cost	Capital Cost	Capital Cost	5-yr Life	Expense	1st yr Expense	to each
	\$ 2,890,000	\$ 520,000	\$ 3,410,000	20%	\$ 580,002	\$ 3,990,002	Project
BC	\$ 207,709	\$ 37,373	\$ 245,082	\$ 49,016	\$ 41,686	\$ 286,768	7.19%
CVP	\$ 314,247	\$ 56,543	\$ 370,790	\$ 74,158	\$ 63,067	\$ 433,857	10.87%
Fry Ark	\$ 119,369	\$ 21,478	\$ 140,847	\$ 28,169	\$ 23,956	\$ 164,803	4.13%
PD	\$ 170,392	\$ 30,659	\$ 201,051	\$ 40,210	\$ 34,196	\$ 235,247	5.90%
P-S	\$ 818,488	\$ 147,271	\$ 965,759	\$ 193,152	\$ 164,265	\$ 1,130,024	28.32%
Colbran	\$ 97,485	\$ 17,541	\$ 115,026	\$ 23,005	\$ 19,565	\$ 134,591	3.37%
CRSP	\$ 315,859	\$ 56,833	\$ 372,692	\$ 74,538	\$ 63,391	\$ 436,083	10.93%
Dolores	\$ 100,019	\$ 17,996	\$ 118,015	\$ 23,603	\$ 20,073	\$ 138,088	3.46%
Rio Grand	\$ 99,213	\$ 17,851	\$ 117,064	\$ 23,413	\$ 19,911	\$ 136,975	3.43%
SeedSkade	\$ 96,449	\$ 17,354	\$ 113,803	\$ 22,761	\$ 19,357	\$ 133,160	3.34%
CA	\$ 107,851	\$ 19,406	\$ 127,257	\$ 25,451	\$ 21,645	\$ 148,902	3.73%
FA	\$ 104,165	\$ 18,743	\$ 122,908	\$ 24,582	\$ 20,905	\$ 143,813	3.60%
Intertie	\$ 145,053	\$ 26,099	\$ 171,152	\$ 34,230	\$ 29,111	\$ 200,263	5.02%
Provo	\$ 96,561	\$ 17,375	\$ 113,936	\$ 22,787	\$ 19,380	\$ 133,316	3.34%
Washoe	\$ 97,140	\$ 17,478	\$ 114,618	\$ 22,924	\$ 19,495	\$ 134,113	3.36%
	\$ 2,890,000	\$ 520,000	\$ 3,410,000	\$ 682,000	\$ 580,002	\$ 3,990,002	100.00%

	Purchase Capital Cost	Annual	1st yr Annual Expense	Total	Allocation to each Project	Rate Impact
		Depreciation		Capital &		Actual
		5-yr Life		1st yr Expense		percent
		20%				
CRSP MC						
Colbran	\$ 115,026	\$ 23,005	\$ 19,565	\$ 134,591	3.37%	
CRSP	\$ 372,692	\$ 74,538	\$ 63,391	\$ 436,083	10.93%	
Dolores	\$ 118,015	\$ 23,603	\$ 20,073	\$ 138,088	3.46%	
Rio Grand	\$ 117,064	\$ 23,413	\$ 19,911	\$ 136,975	3.43%	
SeedSkad	\$ 113,803	\$ 22,761	\$ 19,357	\$ 133,160	3.34%	
Total	\$ 836,600	\$ 167,320	\$ 142,297	\$ 978,897	24.53%	
Provo	\$ 113,938	\$ 22,787	\$ 19,380	\$ 133,318	3.34%	5.90%
FA	\$ 122,908	\$ 24,582	\$ 20,905	\$ 143,813	3.60%	0.45%
DSW						
BC	\$ 245,082	\$ 49,016	\$ 41,686	\$ 286,768	7.19%	0.07%
PD	\$ 201,051	\$ 40,210	\$ 34,196	\$ 235,247	5.90%	0.07%
CA	\$ 127,257	\$ 25,451	\$ 21,645	\$ 148,902	3.73%	0.15%
Intertie	\$ 171,152	\$ 34,230	\$ 29,111	\$ 200,263	5.02%	0.11%
RMR						
Fry Ark	\$ 140,847	\$ 28,169	\$ 23,956	\$ 164,803	4.13%	0.05%
SNR						
CVP	\$ 370,790	\$ 74,158	\$ 63,067	\$ 433,857	10.87%	
Washoe	\$ 114,618	\$ 22,924	\$ 19,495	\$ 134,113	3.36%	
Total	\$ 485,408	\$ 97,082	\$ 82,562	\$ 567,970	14.23%	
UGP						
P-S	\$ 965,759	\$ 193,152	\$ 164,264	\$ 1,130,023	28.32%	0.04%

Parallel Testing Timeline

- Validate against FY 2016 final studies
- Roll forward and parallel with FY 2017 studies
- Roll forward FY 2018 parallel
- Use new software for FY 2018 studies



Next Steps

- WAPA/UII project kick-off meeting
 - May 8, 2017
 - Determine Implementation schedule
- Share implementation schedule with customers
- Implement/validate/test/train
- April 2018 – New PRS in Production

Questions?

Please contact

Rodney Bailey
Power Marketing Advisor
801-524- 4007
rbailey@wapa.gov