

Western Interconnection Synchrophasor Program (WISP)

Monthly Project Status Report

PG&E Monthly WISP Project Status Update

Partner Name	PG&E	Report For:	November 2010
Project Manager	Redacted	Date Submitted:	December 17, 2010
Budget Forecast to Date	\$4,245,000	Actual Cost thru Nov:	\$2,161,838
Key Accomplishments or Milestones	<ul style="list-style-type: none"> Remodeling of the PG&E test lab is complete and ready for installation of equipment for proof-of-concept testing PG&E has updated its WBS and PEP for better alignment with its scope (the change control process will be followed) 		
Important Ongoing Activities (Include key ongoing activities both technical and management related)	<ul style="list-style-type: none"> Project cash flow are increasing as materials for the proof-of-concept arrive and consulting activities increase. December spend will be nearly \$1M. PG&E has completed a self audit to assess its ability to comply with grant requirements. Gaps are being addressed. Continue to develop preliminary visualization tools; with some advanced visualization tools being available for review in December Team has prepared functional requirements / specifications for PMUs, phasor data concentrators (PDCs), and data storage – the specifications are in second round of internal review The cyber security test plans have been prepared and are out for review Continue to prepare the proof-of-concept test plans and design the network topology 		
Upcoming Activities (Include key future activities both technical and management related)	<ul style="list-style-type: none"> Complete network assessments, based on agreed upon PMU locations, and begin to develop high level cost estimates for upgrading network links Agree on a WECC model for use in developing new applications Begin procurement process for the data storage devices that will be evaluated during the POC Revise the PG&E schedule and budget based on updated scope and WBS 		
Changes to Plan (Include Scope, approach, and Resource changes)	<p>PG&E has updated its PEP and WBS to include additional details such as specific substation names where PMUs and PDCs will be installed.</p> <p>PG&E will now update its schedule and budget plan and request approval per the change control process.</p>		
Changes To WBS Schedule and Milestones	See Change to Plan above.		
Changes to PEP Budget	The 2010 budget plan was \$4.975M. It is forecast that PG&E will under run the plan by about \$1.8M, with a year end forecast of \$3.2M. This is primarily a timing variance due to (1) delays in entering into subcontracts and (2) deferring substation walk downs and final engineering until 2011.		
Significant Problems/ Risks	None to report this period.		
Issues Requiring	None to report this period.		

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WISP PMO/ESC /TAC Attention	
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Earned Value

WBS #	WBS Description	EV (PCWP)	Monthly ACWP	Confidence 0 to 5	Comments
1	PG&E Synchrophasor Project				
1.1	Project Mgmt	\$ 90,750	\$ 18,754	4	
1.2	Perform Proof-of-Concept & Initial Project Development	\$ 1,948,000	\$ 436,224	4	
1.3	PMU & Field Communication Deployment at Substation 1-4	\$ -			
1.4	PMU & Field Communication Deployment at Substation 5-8	\$ -			
1.5	Upgrade PMUs at PG&E 10 500kV Substations	\$ -			
1.6	PDC Deployment Site 1	\$ -			
1.7	PDC Deployment Site 2	\$ -			
1.8	PDC Deployment Site 3	\$ -			
1.9	PDC Deployment Site 4	\$ -			
1.10	PDC Deployment Site 5	\$ -			
1.11	PDC Deployment Site 6	\$ -			
1.12	PDC Deployment Site 7	\$ -			
1.13	Perform Network Upgrades / Expansion	\$ -			
1.14	Phasor Work @ SFGO Control Center	\$ -			
1.15	Phasor Work @ VGCC Control Center	\$ -			
1.16	Build & Test WECC Interface	\$ -			
1.17	PG&E Application Development	\$ -			
1.18	Fault Recorder Upgrades to Comply w/ PRC-002	\$ -			
1.19	Testing & Commissioning	\$ -			
	Total	\$ 2,038,750	\$ 454,978		