



Portland General Electric Company
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November 6, 2009

Email/US Mail

Vikie Bailey-Goggins
Administrator
550 Capitol Street, N.E., Ste 215
Salem, OR 97301-2551

RE: UE-189 AMI Project Quarterly Status Update – 2009-Q3

OPUC Order No. 08-245 adopted the AMI Conditions filed with the Joint Party stipulation. The provisions of the Joint Party stipulation require that PGE file quarterly status reports throughout the deployment period with the Public Utility Commission of Oregon, detailing:

- Progress under the implementation plans, including any significant changes in timing, budget, or scope;
- Number of meters installed; and
- Actual costs by category.

Pursuant to the Order, PGE provides the attached Quarterly Status Report for the quarter ending September 30, 2009.

If you have any questions or require further information, please call Alex Tooman at (503) 464-7623. Please direct all formal correspondence and requests to the following email address pge.opuc.filings@pgn.com

Sincerely,

Jay Tinker
Project Manager, Regulatory Affairs

cc: UE 189 Service List
John Sullivan
Alex Tooman
Margo Bryant



Quarterly Report to the OPUC

For quarter ending September 30, 2009

Advanced Metering Infrastructure (AMI) Project

Summary: This project carries out activities to deploy a two-way, fixed-network AMI system throughout PGE's service territory. Scope includes project planning, IT readiness, vendor selection & contracting, business process development, system acceptance testing, deployment of 835,000 meters and related radio-frequency (RF) communications equipment, and evaluation of certain customer & systems-related benefits.

Project Start Date	Project Completion Date	AMI Meters Deployed to Date	% of Customer Repairs Needed	Meters Read over Network for Billing	Meter Reading Routes Rolled over to Network	JMR Routes Remaining with NNG
August 2005	December 2010	269,207	0.14%	27,738	73	473

Project Cost Summary * In Thousands	AMI Tariff Budget*	Actual Cost This Quarter*	Actual Cost to Date*	Remaining Cost to Complete*	Over / (Under) Budget*
Capital (Tariff) Costs					
Meters Jobs	\$ 107,719	\$23,224	\$45,117	\$57,265	\$(5,336)
Network Jobs	5,507	429	4,529	298	(681)
IT Equip. & License Jobs	14,161	2,056	8,794	9,830	4,463
Vehicles	0	1	99	45	144
Capital Sub-Total (Unloaded)	127,387	25,709	58,538	67,438	(1,410)
Capital Loadings	4,777	893	3,683	2,459	1,365
Total Capital (Loaded)	\$132,164	\$26,603	\$62,221	\$69,897	\$(46)
Total O&M (Loaded)	\$12,000	\$528	\$7,171	\$4,686	(143)
Total Capital and O&M (Loaded Costs)	\$144,164	\$27,131	\$69,392	\$ 74,583	\$(189)

Cost and Schedule Factors – Current Quarter: Meter job costs continue to run under budget due to negotiated savings in meter orders and cost control while the IT equipment and license jobs continue to be over budget primarily due to additional cost in development efforts in support of business process changes to derive project benefits. Project completion date corrected to December 2010 to reflect all project activities, not just those associated with meter deployment.

Project Milestones	Due Date	Status
▪ Complete System Acceptance Testing	04/10/2009	SAT testing was completed on 4/10/09. Documentation was completed on 6/23/09.
▪ Begin Full Meter Deployment	4/13/2009	Full meter deployment was initiated on 4/13/09 per revised schedule.
▪ Initiate Route Rollovers to Network Reads	8/21/2009	First meter reading routes were switched over from manual to network reads on 9/17/2009.
▪ Complete RF Network Installation	12/31/2009	34 of 44 tower gateway basestations (TGBs) have been constructed and commissioned, including 13 during Q3 2009.
▪ Complete Full Meter Deployment	8/31/2010	Both contract meter installer (CMI) and PGE Meter Services are ahead of schedule on meter deployment.

Project Job Status	Due Date	Actual Capital Cost This Quarter*	Actual Capital Cost to Date*	Remaining Capital Cost to Complete*
Meter Installation – SAT	12/2008	699	7,174	(840)
Meter Installation – Full Deployment	09/2010	22,479	37,864	57,897
Meter Base Repairs	09/2010	46	79	208
Meters – Total		23,224	45,117	57,265
Tower Site Deployment	12/2009	429	4,529	298
Towers – Total		429	4,529	298



Quarterly Report to the OPUC

For quarter ending September 30, 2009

Project Job Status	Due Date	Actual Capital Cost This Quarter*	Actual Capital Cost to Date*	Remaining Capital Cost to Complete*
Project Office	09/2010	1	571	26
Automated Meter Exchange (AME)	06/2008	4	928	(5)
IT Infrastructure Support	09/2010	153	3,233	709
Connects	04/2009	(4)	56	71
On Cycle Billing	06/2008	5	119	158
Host System Installation – SAT	04/2009	652	583	(653)
MDC – General AMI Requirements	01/2010	0	0	0
MDC – CS SAT Testing	04/2009	0	0	0
Lost Revenue Protection (LRP)	01/2010	54	60	33
Routine Meter Exchange	12/2009	46	48	58
IT AMI Software	06/2010	966	1,977	6,235
Information-Driven Energy Savings (IDES)	03/2010	50	168	383
Customer-Selected Due Date (CSDD)	12/2010	0	0	127
Host System Installation – Full Deployment	09/2010	42	379	886
Interval Data Storage & Usage (IDU)	11/2009	23	416	0
Work Orders for Business Process	12/2009	65	257	(45)
Contingencies	09/2010	0	0	1,846
IT Equipment & Licenses – Total		2,056	8,794	9,830
Vehicles	06/2009	1	99	45
Vehicles – Total		1	99	45
* Unloaded, rounded to nearest thousand				

Implementation Activities – Q3 2009

Previously Planned Activities for Q3

- Began full meter deployment in the Salem and Tualatin meter read offices (MROs); continued deployment in the Beaverton MRO
- Completed 170,694 smart meter installations during Q3, bringing project total to 269,207
- Continue build out and testing of meter data consolidator (MDC) server/storage
- Completed cut-over to production servers for Sensus host system
- Completed testing and implementation of version 1.7.1 of Sensus host system software
- Completed migration and installation of Sensus host system into production
- Implemented On-Cycle Billing Phase 1 (application and process enhancements within Banner CIS and the MDC to enable shift from manual to network reads)
- Began rolling over first set of meter reading routes from manual to network reads
- Initiated development of reports for LRP project to target leads for the Energy Recovery Unit (ERU)
- Constructed and commissioned 13 additional TGBs
- Opened crossdock location in Salem for contract meter installer (Wellington Energy)
- Continued to work with Sensus on network security; established schedule for remediation of findings
- Installed test TGB and meters for security encryption testing
- Developed, tested software and implemented interim Interval Data Usage (IDU) system
- Purchased and began installation of permanent IDU infrastructure platform
- Submitted proposal to USDOE for smart grid stimulus package funding (Smart Grid Investment Grant)
- Signed contract with Aclara to purchase the *EnergyPrism*TM web-based software for IDES project
- Conducted kick-off meetings and began *EnergyPrism* Configuration Workbook sessions



Quarterly Report to the OPUC

For quarter ending September 30, 2009

- Initiated process of 3-week software development “sprints” (Agile scrum methodology) with new centralized software development team
- Began development and testing of the Energy Assistance functionality for Connects project
- Began development and testing of the Payment Extension and Payment Redistribution functionalities for Connects

Additional Activities Undertaken in Q3

- Appointed John Sullivan as Director of the AMI project, effective August 1st, replacing Joel Westvold who has taken on a new assignment within PGE
- Completed 385 qualifying repairs to date on customer equipment under Commission-approved customer repairs tariff; repairs thus far total \$103,708 at an average cost of \$269 per repair
- Accepted 89 meter reading routes back from Northwest Natural (NNG) – the first of the 562 routes to be returned to PGE that had been read previously by NNG under the joint meter reading (JMR) agreement

Planned Activities – Q4 2009

- Begin meter deployment in Portland and Woodburn MROs
- Complete meter deployment in Beaverton and Tualatin MROs
- Refine internal software development work plan and schedule to ensure timely and efficient completion of process implementation
- Construct and commission final 10 TGBs to complete wireless network deployment
- Complete build out and testing of MDC server/storage
- Implement patches to version 1.7.1 of Sensus host system software as necessary
- Install version 2.0.1 of Sensus host system software onto test servers
- Continue development and testing of the Energy Assistance functionality (Connects project)
- Continue development and testing of the Payment Redistribution functionalities (Connects)
- Develop requirements for automated phone call related to remote disconnect for nonpayment (Connects)
- Begin development and testing of remote connect functionality (Connects)
- Complete installation of permanent IDU infrastructure platform (IDU)
- Implement initial functionality for IDU to support LRP project (IDU)
- Develop requirements with Aclara for *EnergyPrism* web application covering 10 functional areas including payment history, home energy center, load analysis, bill history and bill analysis (IDES)
- Initiate web integration and data integration activities (IDES)
- Begin redesign of energy recovery business processes and development of software to identify leads from tamper flags and usage on disconnected accounts (LRP project)
- Complete JMR dissolution with return to PGE of all meter reading routes formerly read by NNG

Additional Notes and Updates

- Training date for CAPO and associated organizations is scheduled for the 2nd quarter of 2010.
- PGE is participating in the National Institute of Standards and Training (NIST) Interoperability home-to-grid working group supporting NIST’s responsibilities under the Energy Independence and Security Act (EISA) of 2007. PGE’s focus has been to identify the lack of an appliance communication interface as a gap in the appliance market transformation initiative. In addition, EPRI has launched a project, with encouragement from PGE and others, to define a standard communications interface at the appliance. Participating utilities include PGE, Southern Company, Florida Power & Light, American Electric Power and TVA.
- OPUC approved Schedule 77 (Advice No. 08-22) for firm load reduction from large customers, greater than 1 MW of demand. Work is underway to develop enrollment materials for the October 2009 enrollment window. The agreement term starts January 1, 2010.
- Approval of the Critical Peak Pricing (CPP) tariff occurred September 22, 2009 by OPUC. Work is under way to develop support systems for enrollment, data display and billing.

Contacts: John Sullivan, AMI Director, 503-464-8989
Alex Tooman, Rates & Regulatory Affairs, 503-464-7623


CERTIFICATE OF SERVICE

I hereby certify that I have on November 6, 2009 caused the following:

PORTLAND GENERAL ELECTRIC COMPANY'S UE 189, AMI PROJECT

QUARTERLY STATUS UPDATE Q3-2009 to be served to the following parties or attorneys listed on the attached service list by electronic mail and by First Class US Mail, postage prepaid and properly addressed, to those parties on the attached service list who have not waived paper service.

Dated this 6th day of November, 2009.



Jay Tinker
Project Manager, Regulatory Affairs
On behalf of Portland General Electric Company

Summary Report**UE 189 PORTLAND GENERAL ELECTRIC****Category:** Electric Rate Case**Filed By:** PORTLAND GENERAL ELECTRIC

This filing adds Schedule 111, Advanced Metering Infrastructure.

Filing Date: 3/7/2007 **Advice No:** 07-08**Effective Date:** 6/1/2008 **Expiration Date:** **Status:** ACCEPTED**Final Order:** 08-309 **Signed:** 3/7/2007**SERVICE LIST:**

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