



Portland General Electric Company
121 SW Salmon Street • Portland, Oregon 97204
PortlandGeneral.com

November 15, 2010

Via Email and 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 – 2010-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, 2010.

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,

Alex Tooman
Project Manager, Regulatory Affairs

cc: UE 189 Service List
John Sullivan
Eric Spack
Margo Bryant



Quarterly Report to the OPUC

For quarter ending September 30, 2010

Advanced Metering Infrastructure (AMI) Project

Summary: This project carries out activities to deploy a two-way, fixed-network AMI system. Scope includes project planning, IT readiness, contracting, business process development, system acceptance testing, deployment of 830,000 meters and radio-frequency (RF) communications equipment, and evaluation of 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	June 2011	822,811	0.20%	742,115	2,187	0

Project Cost Summary <small>* In Thousands</small>	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	\$2,268	\$104,914	\$(499)	\$(3,304)
Network Jobs	5,507	101	5,230	973	697
IT Equip. & License Jobs	14,161	2,255	19,058	6,225	11,122
Vehicles	0	0	99	0	99
Capital Sub-Total (Unloaded)	127,387	4,624	129,300	6,700	8,613
Capital Loadings	4,777	782	6,979	2,046	4,247
Total Capital (Loaded)	\$132,164	\$5,406	\$136,279	\$8,745	\$12,860
Total O&M (Loaded)	\$12,000	\$566	\$9,409	\$1,991	(600)
Total Capital and O&M (Loaded Costs)	\$144,164	\$5,971	\$145,688	\$10,736	\$12,261

Cost and Schedule Factors – Current Quarter: The project is expected to be complete in Q2 2011. All of the IT development work will be completed in January of 2011 with the exception of IDES which will carry into Q2. PGE also will be installing the remaining several thousand meters (e.g., irrigation accounts, load research and SmartSynch/GPRS meters) that had been placed on hold or were otherwise unable to be completed during full deployment period.

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	04/13/2009	Full deployment was initiated on 4/13/09 per revised schedule.
▪ Initiate Route Rollovers to Network Reads	08/21/2009	First meter reading routes were switched over from manual to network reads on 9/17/2009.
▪ Complete RF Network Installation	12/31/2010	Two additional tower locations were added in Q3; two more will be added in Q4 to enhance network communications, bringing the total number of tower sites to 48.
▪ Complete Full Meter Deployment	08/31/2010	Contract meter installer completed its deployment work as of 8/31/2010; PGE Meter Services has completed all but about 4,500 meter exchanges that have been on temporary hold.

Project Job Status	Due Date	Actual Capital Cost This Quarter*	Actual Capital Cost to Date*	Remaining Capital Cost to Complete*
Meter Installation – SAT (Closed)	12/2008	0	7,177	0
Meter Installation – Full Deployment	06/2011	2,183	97,375	(468)
Meter Base Repairs	06/2011	86	362	(31)
Meters – Total		2,268	104,914	(499)
Tower Site Deployment	12/2010	101	5,230	973
Towers – Total		101	5,230	973



Quarterly Report to the OPUC

For quarter ending September 30, 2010

Project Job Status	Due Date	Actual Capital Cost This Quarter*	Actual Capital Cost to Date*	Remaining Capital Cost to Complete*
Project Office	06/2011	47	670	(37)
Automated Meter Exchange (AME) (Closed)	06/2008	0	921	0
IT Infrastructure Support	06/2011	17	4,904	175
Connects	01/2011	97	170	5
On Cycle Billing (move-in/move-out)	01/2011	10	160	48
Host System Installation -- SAT (Closed)	04/2009	0	583	0
MDC -- General AMI Requirements (Closed)	01/2010	0	0	0
MDC -- CS SAT Testing (Closed)	04/2009	0	0	0
Lost Revenue Protection (LRP)	01/2011	44	212	30
Smart Meter Installation & Maintenance (SMIM)	12/2010	25	98	105
IT AMI Software	06/2011	1,898	9,570	4,550
Information-Driven Energy Savings (IDES)	06/2011	12	416	324
Customer-Selected Due Date (CSDD)	01/2011	16	50	39
Host System Installation -- Full Deployment	12/2010	14	557	459
Interval Data Storage & Usage (IDU) (Closed)	11/2009	0	416	0
Work Orders for Business Process Jobs	04/2010	75	332	(75)
Contingencies	06/2011	0	0	600
IT Equipment & Licenses -- Total		2,255	19,058	6,225
Vehicles	06/2009	0	99	0
Vehicles -- Total		0	99	0
* Unloaded, rounded to nearest thousand				

AMI Implementation: Completed Activities - Q3 2010

Planned Activities for Q3

- Completed mass meter installation, audited meter inventory and closed out contract with contract meter installer (CMI)
- Completed installation/commissioning of two new tower sites at Wilsonville Sub and Newberg Line Center
- Continued to tune network, added PCS channel to some tower sites and evaluated potential for additional hardware to increase system throughput
- Worked to resolve interference issues at multiple locations by having 16 filters installed on Sprint/Nextel equipment
- Launched remote connect/disconnect pilot in July (Connects project)
- Conducted low-income agency training (Connects project)
- Completed software development to enroll existing customers (CSDD project)
- Continued software development to pull a read and timestamp in metering and billing systems as needed for move-in/move-out processing (On Cycle Billing)
- Completed Release 1 and began work on Release 2 (SMIM project, formerly Routine MX)
- Issued Release 2 to increase filtering to help focus lead generation (LRP project)
- Completed migration of production ISIS (required for energy recovery application) and IDU databases to new servers

Additional Activities Undertaken in Q3

- Completed 1,654 qualifying repairs to date on customer equipment under Commission-approved customer repairs tariff; repairs through Q3 2010 total \$397,195 at an average cost of \$240 per repair
- Reduced number of "unable to complete" meter exchanges (UTCs) received from contract meter installer down to 77
- Launched Automated Phone Calls for customers with remote connect meters; stopped making field visits prior to disconnection for customers with remote connect meters (Connects project)
- Completed third-party contract compliance review of contract meter installer; audit confirmed overall accuracy of vendor billing and compliance with certain contract provisions, with some minor exceptions noted
- Closed Beaverton Meter Reading office



Quarterly Report to the OPUC

For quarter ending September 30, 2010

AMI Implementation: Planned Activities – Q4 2010

Meters

- Complete remaining meter exchanges received back from the contract meter installer as “unable to complete” (UTC) and disband internal Field Response Team
- Install approximately 800 4S (config 02) demand meters pending successful testing of the collection of demand readings over the network
- Complete the installation of approximately 4,150 load research and SmartSynch/GPRS meters that had been placed on temporary hold during the full deployment period
- Exchange approximately 6,000 non-communicating meters, including about 5,000 meters with a integrated circuit defect that has been resolved by Sensus

Network

- Complete installation/commissioning of TGBs at Oregon City Line office and Union Bank of California building in downtown Portland, which will bring the total number of tower sites to 48
- Upgrade the Carver-Outlook tower site to a three-sectored site
- Install up to six FlexNet Remote Portals (FRPs) to test their ability to improve communications with meters in remote and challenging geographic locations
- Upgrade to FlexNet host system version 2.1
- Complete installation of 3 additional filters on Sprint/Nextel sites to reduce network interference

Business Processes

- Prepare for full launch of remote connect functionality (i.e., both remote disconnect and reconnect from office), including delivering the final automation of back-end processing by Q1 2011
- Complete regression testing on software to enroll existing customers in preparation for Q1 2011 launch (CSDD project)
- Continue planning for customer communications and review with OPUC concerning late fee tariff (CSDD project)
- Complete work on Release 2, including elimination of duplicate entry for new/existing installs (SMIM project)
- Complete development/testing of Payment Redistribution functionality (Connects project)
- Complete training of billing/credit, cash remittance, customer service and field personnel (Connects project)
- Complete development/testing of high/low usage automation (LRP project)
- Complete development/testing of move in/move out timestamp (On-Cycle Billing project)
- Initiate data structure build out on new servers and loading of interval data (IDU project)

Project Office

- Transition project director responsibilities from John Sullivan to Eric Spack
- Revise Business Process Roadmap and update timeline for deliverables in Q4 2010 and Q1/Q2 2011
- Close Woodburn Meter Reading office
- Initiate transition planning for moving AMI development team into IT Applications group
- Continue working with Sensus to ensure completion of remaining contractual deliverables

Customer & System Benefits (Conditions): Completed Activities – Q3 2010

- Continued participation in SGIP, NIST Interoperability home-to-grid working group and EPRI Appliance Market Transformation Project
- Testified to congressional Subcommittee on Technology and Innovation on smart grid architecture and standards (Conrad Eustis) at request of Congressman Wu.
- Prepared proposal for review with OPUC for Critical Peak Pricing (CPP)
- Received final Sponsor approval on budget and timeline for IDES project, projected for launch in May 2011

Customer & System Benefits (Conditions): Planned Activities – Q4 2010

- Continue participation in SGIP, NIST Interoperability home-to-grid working group and EPRI Appliance Market Transformation Project
- Receive Commission acknowledgement/approval for PGE’s CPP pilot program
- Form dedicated project team and initiate development efforts (IDES project)



Advanced
Metering
Infrastructure

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Additional Notes and Updates

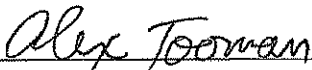
- N/A

Contacts: John Sullivan, AMI Project Director, 503-464-8989
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CERTIFICATE OF SERVICE

I hereby certify that I have this day caused the foregoing **UE 189 PORTLAND GENERAL ELECTRIC COMPANY'S UE 189, AMI PROJECT REVISED QUARTERLY STATUS UPDATE Q3-2010** to be served by electronic mail to those parties whose email addresses appear on the attached service list, 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 from OPUC Docket No. UE 189.

Dated at Portland, Oregon, this 15th day of November 2010.



Alex Tooman
Project Manager, Regulatory Affairs
On behalf of Portland General Electric Company

Summary Report**UE 189 PORTLAND GENERAL ELECTRIC COMPANY****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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