



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

September 2, 2011

Via Email and US Mail

Vikie Bailey-Goggins
Administrator
550 Capitol Street, N.E., Ste 215
PO Box 2148
Salem, OR 97301-2148

RE: Final UE-189 AMI Project Quarterly Status Update – Q2-2011

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 Final Quarterly Status Report for the quarter ending June 30, 2011.

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,

Patrick G. Hager
Manager, Regulatory Affairs

PGH:jlt
encl

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

CERTIFICATE OF SERVICE

I hereby certify that I have this day caused the foregoing **Final AMI Project Quarterly Status Update (Q2 – 2011)** 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 for OPUC Docket No. **UE 189**.

DATED at Portland, Oregon, this 2nd day of September 2011.



Patrick G. Hager, Manager
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SERVICE LIST
OPUC DOCKET # UE 189
September 2, 2011

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Final Quarterly Report to the OPUC

For quarter ending June 30, 2011

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	825,476	0.20%	802,056	2,229	0

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	36	103,882	0	(3,837)
Network Jobs	5,507	103	5,393	0	(114)
IT Equip. & License Jobs	14,161	578	22,751	1,356	9,946
Vehicles	0	0	99	0	99
Capital Sub-Total (Unloaded)	127,387	717	132,125	1,356	6,094
Capital Loadings	4,777	419	8,425	475	4,123
Total Capital (Loaded)	132,164	1,136	140,550	1,831	10,217
Total O&M (Loaded)	12,000	114	10,666	364	(971)
Total Capital and O&M (Loaded Costs)	144,164 (2)	1,250	151,216	2,194 (1)	9,246

Cost and Schedule Factors – Current Quarter: (1) The remaining costs to complete represent the final payment to the vendor for project support, Interval Data Store work, a contingency of \$25,000 for IT infrastructure, and \$200,000 in general through the end of 2011 should we require any final changes to the system as we monitor performance. (2) Original budget. In October 2010 the budget was increased to \$157 million based on expected IT costs. With this revised budget, the project is \$3.5 million under budget.

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 towers were added in Q4 2010 to enhance network communications; analysis of future needs continues.
▪ Complete Full Meter Deployment	08/31/2010	Contract meter installer completed its deployment work as of 8/31/2010.
▪ Complete project	06/30/2011	Effectively complete all activities associated with process improvements and original Sensus contract (e.g., final UTC meters still to be exchanged).



Final Quarterly Report to the OPUC

For quarter ending June 30, 2011

Project Job Status	Due Date	Actual Capital Cost This Quarter*	Actual Capital Cost to Date*	Remaining Capital Cost to Complete*
Meter Installation – SAT (<i>Closed</i>)	12/2008	0	7,177	0
Meter Installation – Full Deployment	06/2011	28	96,305	0
Meter Base Repairs	06/2011	8	400	0
Meters – Total		36	103,882	0
Tower Site Deployment (<i>Closed</i>)	12/2010	103	5,393	0
Towers – Total		103	5,393	0
Project Job Status	Due Date	Actual Capital Cost This Quarter*	Actual Capital Cost to Date*	Remaining Capital Cost to Complete*
Project Office	06/2011	0	665	191
Automated Meter Exchange (AME) (<i>Closed</i>)	06/2008	0	921	0
IT Infrastructure Support	06/2011	2	5,013	25
Connects	06/2011	1	193	0
On Cycle Billing (move-in/move-out)	05/2011	0	164	0
Host System Installation – SAT (<i>Closed</i>)	04/2009	0	583	0
MDC – General AMI Requirements (<i>Closed</i>)	01/2010	0	0	0
MDC – Comm. Server SAT Testing (<i>Closed</i>)	04/2009	0	0	0
Lost Revenue Protection (LRP) (<i>Closed</i>)	01/2011	0	264	0
Smart Meter Installation & Maintenance (SMIM)	06/2011	0	143	0
IT AMI Software	06/2011	534	12,933	719
Information-Driven Energy Savings ¹ (IDES)	06/2011	14	501	221
Customer-Selected Due Date (CSDD) ² (<i>Closed</i>)	01/2011	2	75	0
Host System Installation – Full Deployment	04/2011	25	622	0
Interval Data Storage & Usage (IDU) (<i>Closed</i>)	11/2009	0	416	0
Work Orders (<i>Closed</i>)	04/2010	0	257	0
Contingencies	06/2011	0	0	200
IT Equipment & Licenses – Total		578	22,750	1,356
Vehicles	06/2009	0	99	0
Vehicles – Total		0	99	0

¹ IDES project has been re-named *Energy Tracker*.

² CSDD project has been re-named Preferred Due Date (PDD).



Final Quarterly Report to the OPUC

For quarter ending June 30, 2011

AMI Implementation: Completed Activities – Q2 2011

Meter Deployment

- Exchanged approximately 800 of 2,000 non-communicating meters; balance will be completed as part of our ongoing meter and AMI network operations work. Meanwhile, these meters are being read manually.

Network

- Continue testing FlexNet host system version 2.2.1.
- Resolve demand re-set issue and returned approximately 12,000 meters to network reads.

Business Processes

- Implemented customer-selected due data billing capability (CSDD project).
- Implemented automated system updates for Connects project and began performing reconnects and disconnects from the office vs. disconnecting in the field for premises with Remote Connect Meters.
- Implement move in/move out timestamp (On-Cycle Billing project).
- Reduce workforce in Field Collections by 8 positions and will continue to adjust staff down next year as we monitor the work load (Connects project).

Project Office

- Completed filing of Non-network read tariff and following up with customers who are interested in it.

AMI Implementation: Planned Activities – Q3 2011

Meter Deployment

- Continue to install remaining meters as needed and address the remaining approximately 1,200 non-communicating meters and 3,000 meters on hold for various reasons.

Network

- Finalize design for RF upgrade and order parts.
- Continue testing security functionality delivered in FlexNet host system version 2.2.1.
- Complete upgrade to host system version 2.2.1.

Business Processes

- Implement functionality to bulk cancel cut outs (Connects project).
- Implement features to allow Coordinators to create work orders in the new portal and automatically update all required systems (SMIM project).

Project Office

- Continue working with Sensus to ensure completion of remaining contractual deliverables and RF upgrade work.
- Transition remaining AMI tasks to operations and AMI Conditions-related projects.

Customer & System Benefits (Conditions): Completed Activities – Q2 2011

- Launched Customer Service Rep Energy Tracker / IDES portal.
- Provided Energy Tracker update at May low income agency meeting (IDES project).
- Integrated Bill History/Bill Analysis tools into portlandgeneral.com for residential and business customers (IDES project); will release to customers in Q4 2011.

Customer & System Benefits (Conditions): Planned Activities – Q3 2011

Note: No major releases planned for Q3 however we will be rolling out Energy Tracker customer online presentation program (IDES project) and completing the Interval Data Store (IDS / IDU) in Q4.

Additional Notes and Updates

- This will be the final AMI Smart meter quarterly report given the Scope of work defined for the AMI project is fundamentally complete. Future quarterly reports will be prepared under the AMI Conditions initiative(s).
- Eric Spack will be transitioning to the 2020 Vision program as Program Manager for the Maximo, Mobil and Scheduling program. Jamie Swails Manager of Network data Operations and Bill Tierney Manager of Meter Services will assume responsibility for the AMI Smart Meter system starting in Q3, 2011.

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