



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

July 28, 2008

Email/US Postal Mail

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

RE: UE-189 AMI Project Quarterly Status Update – 2008-Q2

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 June 30, 2008.

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

cc: UE 189 Service List



Quarterly Report to the OPUC

For quarter ending June 30, 2008

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 852,000 meters and related radio-frequency (RF) communications equipment, and evaluation of certain customer & systems-related benefits.

| Project Start Date | Project Completion Date | # of AMI Meters Deployed to Date | # of Meters Read by Network for Billing | JMR Routes Remaining with PGE | JMR Routes Remaining with NNG |
|--------------------|-------------------------|----------------------------------|---|-------------------------------|-------------------------------|
| August 2005 | September 2010 | 714 | 0 | 1,691 | 568 |

| Project Cost Summary | AMI Project Budget | Actual Cost to Date | Remaining Cost to Complete |
|----------------------------|-----------------------|---------------------|----------------------------|
| Meters | \$ 107,698,170 | 594,950 | \$ 107,103,220 |
| IT | 10,425,171 | 1,192,006 | 9,233,165 |
| Network | 7,059,223 | 1,421,026 | 5,638,197 |
| Business Processes | 6,067,900 | 1,596,845 | 4,471,055 |
| Project Management | 12,940,128 | 5,145,081 | 7,795,047 |
| Capital Sub-total | 132,231,273 | 5,325,179 | 126,906,094 |
| O&M Total | 11,959,319 | 4,624,729 | 7,334,590 |
| Total Project Costs | \$ 144,190,592 | \$ 9,949,908 | \$ 134,240,684 |

Variance Explanation: On schedule, with no changes to scope or variances to project budget.

| Project Milestones | Due Date | Status |
|---|------------|---|
| ▪ Begin System Acceptance Testing (SAT) | 06/02/2008 | Started 6/2/08 with meter deployment and testing |
| ▪ Complete System Acceptance Testing | 12/31/2008 | Final stages of test design and planning |
| ▪ Begin Mass Meter Deployment | 01/05/2009 | Preliminary month-to-month deployment schedule prepared |
| ▪ Complete RF Network Installation | 12/31/2009 | RF propagation study and tower location analyses nearing completion |
| ▪ Complete Mass Meter Deployment | 09/12/2010 | To be followed by up to six-month system optimization process |

| Project Job Status | Due Date | Budget | | Costs to Date | |
|---|----------|--------------------|------------------|------------------|----------------|
| | | Capital | O&M | Capital | O&M |
| Meter Installation – SAT | 09/2008 | 7,674,471 | - | 594,950 | - |
| Meter Installation – Full Deployment | 09/2010 | 100,023,699 | - | - | - |
| <i>Meters Subtotals – Capital / O&M</i> | | <i>107,698,170</i> | <i>-</i> | <i>594,950</i> | <i>-</i> |
| Meters – Total | | 107,698,170 | | 594,950 | |
| IT Infrastructure Support | 09/2010 | 4,550,424 | 795,639 | 609,080 | 614 |
| MDC – General AMI Requirements | 01/2010 | - | 347,402 | - | 101,209 |
| MDC – CS SAT Testing | 12/2008 | - | 198,130 | - | 99,507 |
| IT AMI Software | 06/2010 | 2,387,406 | 15,501 | 216,664 | 250 |
| Interval Date Storage & Usage | 11/2009 | 2,130,669 | - | 164,682 | - |
| <i>IT – Subtotals – Capital / O&M</i> | | <i>9,068,499</i> | <i>1,356,672</i> | <i>990,426</i> | <i>201,580</i> |
| IT – Total | | 10,425,171 | | 1,192,006 | |
| Host System Installation – SAT | 05/2008 | 500,000 | - | 511,693 | - |
| Host System Installation – Full Deployment | 12/2008 | 700,000 | - | - | - |
| Tower Site Deployment | 12/2009 | 5,122,821 | 736,402 | 907,961 | 1,372 |



Quarterly Report to the OPUC

For quarter ending June 30, 2008

| Project Job Status | Due Date | Budget | | Costs to Date | |
|--|----------|-------------------|-----------|------------------|-----------|
| | | Capital | O&M | Capital | O&M |
| <i>Network – Subtotals – Capital / O&M</i> | | 6,322,821 | 736,402 | 1,419,654 | 1,372 |
| Network – Total | | 7,059,223 | | 1,421,026 | |
| Automated Meter Exchange | 06/2008 | 1,628,754 | 332,463 | 1,319,214 | 49,260 |
| On Cycle Billing | 06/2008 | 280,472 | 64,377 | 0 | 38,299 |
| Routine Meter Exchange | 08/2008 | 186,363 | 446,674 | 588 | 45,137 |
| Remote Connect/Disconnect | 04/2009 | 560,019 | 314,345 | 0 | 636 |
| Customer-Selected Due Date | 08/2009 | 151,433 | 216,319 | 0 | 0 |
| Move-in/Move-out | 01/2010 | 438,500 | 317,473 | 0 | 101 |
| Lost Revenue Protection | 01/2010 | 185,048 | 218,689 | 10,661 | 92,874 |
| Meter Reading Process Redesign | 09/2009 | - | 52,675 | - | 3,999 |
| Information-Driven Energy Savings | 08/2010 | 545,371 | 128,925 | 11,076 | 25,000 |
| <i>Bus Processes – Subtotals Cap / O&M</i> | | 3,975,960 | 2,091,940 | 1,341,539 | 255,306 |
| Business Processes – Total | | 6,067,900 | | 1,596,845 | |
| Project Office | 09/2010 | 1,518,345 | 7,701,805 | 978,610 | 4,166,471 |
| Contingencies | 09/2010 | 3,647,478 | 72,500 | 0 | 0 |
| <i>Project Mgmt – Subtotals Cap / O&M</i> | | 5,165,823 | 7,774,305 | 978,610 | 4,166,471 |
| Project Management – Total | | 12,940,128 | | 5,145,081 | |

Implementation Activities – Q2 2008

Previously Planned Activities

- Installed versions 1.4, 1.5 and 1.5.1 of AMI vendor's host system software (FlexWare) in readiness for SAT
- Received/tested initial deliveries of AMI meters from primary meter vendor, Sensus Metering Systems
- Began meter deployment in inner SE Portland SAT test area; completed 714 meter exchanges in first month
- Completed implementation of system to facilitate automation of meter exchange data transfer into PGE's meter inventory, meter data management and customer information systems during SAT and mass deployment phases
- Completed construction and commissioning of four of five radio towers required for SAT
- Completed requirements gathering for business processes in preparation of submitting revised project plans to OPUC
- Completed site reviews and documentation for all radio tower locations for mass deployment
- Conducted pre-SAT employee training (Customer Service, Meter Services, Distribution, Billing & Credit, etc.)
- Finalized detailed test plans, testing requirements and ready test scripts for SAT; initiated testing activity
- Completed work with OPUC on revisions to Periodic and Sample Testing requirements
- Continuing to work on long-range staffing plan for Meter Reading and Field Collections

Additional Activities Undertaken

- Submitted project plans to OPUC for Improved Outage Management, Distribution Asset Utilization, Interval Data Usage and Information-Driven Energy Savings
- Selected vendors and established rules for processing/recycling of non-AMI meters removed from the field
- Established policy/procedure for when customer-owned equipment requires repairs before meter exchange can be completed
- Launched "smart metering" pages on PGE customer website (www.PortlandGeneral.com/smartmeter)
- Initiated customer telephone survey to evaluate meter exchange and customer notification processes
- Provided NWN with notification of PGE's intent to terminate joint meter reading (JMR) agreement effective September 2010; filed letter with OPUC on 5/28/2008
- Attended US DOE workshop in Washington DC on Smart Grid and appliance market transformation



Quarterly Report to the OPUC

For quarter ending June 30, 2008

Planned Activities – Q3 2008

- Continue meter deployment in SAT test areas: SE Portland, downtown Portland and Banks/Gales Creek area
- Complete construction/commissioning of final RF tower for SAT (Main substation)
- Receive/install version 1.6 FlexNet software
- Submit revised business process project plans to OPUC
- Apply for permits to construct additional radio towers in preparation for start of full deployment in January 2009
- Continue monthly training for Customer Service personnel
- Conduct training for Distribution personnel, including line departments, field connection, service & design
- Initiate AMI meter deployment for all new construction and routine meter exchange work
- Continue SAT testing activity
- Complete long-range staffing plan for Meter Reading and Field Collections
- Prepare amendment to JMR contract with NWN to cover operational issues during AMI deployment
- Conduct second annual Career Fair for employee groups whose positions are affected by AMI implementation
- Complete telephone surveys of customers who received new meters during SAT period
- Conduct meeting with Low Income Agencies to discuss AMI efforts

Additional Notes and Updates

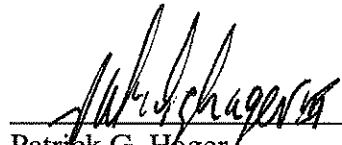
- PGE expects a proposed change to the December 15, 2008 training date for CAPO and associated organizations. In Q3 we will meet with CAPO to review our work plan and training schedule.
- PGE anticipates issuing the RFP for peak demand side capacity from large business customers by the end of Q3 2008. The RFP will be expanded to include additional peaking capacity from residential and small business customers which was not scheduled to be issued until 2010. PGE believes that by combining the two requests that awareness and enrollment synergies will be facilitated.
- PGE is developing an experimental critical peak pricing (CPP) program design that will utilize AMI meter data for determining target customer segments and integration of price responsive enabling technology. Prior to hosting an informal workshop with stakeholders in approximately Q3 2008, PGE has scheduled an update meeting with OPUC Staff in July 2008.

Contacts: Joel Westvold, AMI Director, 503-464-7583
Alex Tooman, Rates & Regulatory Affairs, 503-464-7623

CERTIFICATE OF SERVICE

I hereby certify that I have on June 30, 2008 caused the following: **PORTLAND GENERAL ELECTRIC COMPANY'S UE 189, AMI PROJECT QUARTERLY STATUS UPDATE 2008 Q2** 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 28th day of June, 2008.




Patrick G. Hager
Manager, Regulatory Affairs
On behalf of Portland General Electric Company

CERTIFICATE OF SERVICE

I hereby certify that I have on July 28, 2008 caused the following: **PORTLAND GENERAL ELECTRIC COMPANY'S UE 189, AMI PROJECT QUARTERLY STATUS UPDATE 2008 Q2** 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 1st day of August, 2008.



Patrick G. Hager
Manager, Regulatory Affairs
On behalf of Portland General Electric Company

eDockets

Docket Summary

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Docket No: UE 189

Docket Name: PORTLAND GENERAL ELECTRIC

[Print Summary](#)

Subject Company: PORTLAND GENERAL ELECTRIC

In the Matter of PORTLAND GENERAL ELECTRIC COMPANY Request to Add Schedule 111, Advanced Metering Infrastructure (AMI) Filed by Pamela G. Lesh. (See Initial Utility Filing for electronic version.)

Filing Date: 3/7/2007

Advice No: 07-08

Effective: 6/1/2008

Expiration:

Status: ACCEPTED

Final Order: 08-245

Order Signed: 5/5/2008

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[General information about Tariff](#)

| <u>ACTIONS</u> | | <u>SERVICE LIST (Parties)</u> | | <u>SCHEDULE</u> |
|------------------------------|--|---|--------------------------|-----------------------------|
| W=Waive Paper service | C=Confidential HC=Highly Confidential | | <u>Sort by Last Name</u> | <u>Sort by Company Name</u> |
| W | CITIZENS' UTILITY BOARD OF OREGON | | | |
| | LOWREY R BROWN (C) UTILITY ANALYST | 610 SW BROADWAY - STE 308 PORTLAND OR 97205 lowrey@oregoncub.org | | |
| | JASON EISDORFER (C) ENERGY PROGRAM DIRECTOR | 610 SW BROADWAY STE 308 PORTLAND OR 97205 jason@oregoncub.org | | |
| | ROBERT JENKS (C) | 610 SW BROADWAY STE 308 PORTLAND OR 97205 bob@oregoncub.org | | |
| | COMMUNITY ACTION DIRECTORS OF OREGON | | | |
| | JIM ABRAHAMSON COORDINATOR | PO BOX 7964 SALEM OR 97301 jim@cado-oregon.org | | |
| | DAVISON VAN CLEVE PC | | | |
| | S BRADLEY VAN CLEVE | 333 SW TAYLOR - STE 400 PORTLAND OR 97204 mail@dvclaw.com | | |
| W | DEPARTMENT OF JUSTICE | | | |
| | STEPHANIE S ANDRUS (C) ASSISTANT ATTORNEY GENERAL | REGULATED UTILITY & BUSINESS SECTION 1162 COURT ST NE SALEM OR 97301-4096 | | |

stephanie.andrus@state.or.us

| | | |
|----------|---|--|
| W | NORTHWEST NATURAL INARA K SCOTT (C) REGULATORY AFFAIRS MANAGER | 220 NW 2ND AVE PORTLAND OR 97209 iks@nwnatural.com |
| W | NW NATURAL RATES & REGULATORY AFFAIRS | 220 NW 2ND AVE PORTLAND OR 97209-3991 efiling@nwnatural.com |
| W | OREGON DEPARTMENT OF ENERGY ROBIN STRAUGHAN (C) | 625 MARION ST NE SALEM OR 97301-3742 robin.straughan@state.or.us |
| W | PACIFIC POWER & LIGHT MARK TUCKER REGULATORY ANALYST | 825 NE MULTNOMAH ST - STE 2000 PORTLAND OR 97232 mark.tucker@pacificorp.com |
| W | PACIFICORP OREGON DOCKETS OREGON DOCKETS | 825 NE MULTNOMAH ST STE 2000 PORTLAND OR 97232 oregondockets@pacificorp.com |
| | PORTLAND GENERAL ELECTRIC PATRICK HAGER RATES & REGULATORY AFFAIRS (C) | 121 SW SALMON ST 1WTC0702 PORTLAND OR 97204 pge.opuc.fillings@pgn.com |
| | DOUGLAS C TINGEY (C) | 121 SW SALMON 1WTC13 PORTLAND OR 97204 doug.tingey@pgn.com |
| | PUBLIC UTILITY COMMISSION OF OREGON LISA C SCHWARTZ (C) | PO BOX 2148 SALEM OR 97308-2148 lisa.c.schwartz@state.or.us |