

Kimberly A. Curry  
Senior Counsel



2 Center Plaza  
110 W. Fayette Street  
Baltimore, Maryland 21201  
410.470.1305  
443.213.3206 Fax  
kimberly.a.curry@constellation.com

*Via Electronic Filing*

May 15, 2012

David J. Collins, Executive Secretary  
Maryland Public Service Commission  
6 St. Paul Street, 16th Floor  
Baltimore, MD 21202-6806

**Re: Case No. 9208: In the Matter of Baltimore Gas and Electric Company for Authorization to Deploy a Smart Grid Initiative and to Establish a Surcharge Mechanism for the Recovery of Cost**

**First Quarter 2012 Metrics Report – Phase I of Baltimore Gas and Electric Company**

Dear Mr. Collins:

Pursuant to order dated August 18, 2011 in the referenced docket, Baltimore Gas and Electric Company (BGE) files this quarterly report covering the first quarter of 2012 on the performance metrics associated with the deployment of the BGE's smart grid initiative.

Four elements of the overall project scope are active, and are working: Meter Installation/Provisioning, Smart Energy Manager (portal), Field Execution and Advanced Metering Infrastructure (AMI) Register Billing. The network deployment project is completed. Meter Data Management (MDM) went live on January 3rd and is working through the Sustain/Stabilization process. The Smart Energy Rewards and Advanced Metering Capabilities project teams are planning to begin work in April 2012. The Smart Energy Rewards project will enable a customer web portal and other services to encourage energy efficiency and the Advanced Metering Capabilities project will improve BGE operations through enablement of data analytics, remote connect/disconnect and pinging of meters for outage restoration purposes.

**Customer Care & Billing (CC&B):** Implemented major IT systems CC&B and MDM on January 3rd.

**Field Execution:** 435 network devices have been installed to date through Q1 2012, 33 installations ahead of schedule. 184 Field Trial Electric Meters and 25 Interface Management Units™, an integrated two-way radio and gas meter register, are installed at customer locations. The first order of electric meters received on March 23rd is currently in acceptance testing.

**Dual pan project:** Completed. Meter read comparisons have provided solid data concerning consistency of reads/meter performance. The results showed that 100% of the AMI meters in this project were accurate.

David J. Collins, Executive Secretary

May 15, 2012

Page 2

**Customer Education:** BGE has begun educating customers about smart meters, announcing the AMI rollout through customer letters. A customer welcome letter went out at the end of March to 20,000 to 30,000 customers per day and the entire customer base is expected to receive this letter in subsequent weeks. BGE has also posted the tentative meter installation schedule along with additional information on its website, bge.com.

Similar to last quarter's filing, the attached Phase I metrics report has been separated into Summary Metrics (highlighting key metrics) and Detailed Metrics (complete list of metrics number one through thirty-four) as was recommended by the working group at a February 3, 2012 meeting.

Respectfully submitted,

*/s/ Kimberly A. Curry*

Kimberly A. Curry

Attachment

cc: 9208 Service List

**SUMMARY METRICS**

Metric #	Metric Category	Key Metric	Definition	Calculation	Specific Data Point	Frequency	First Reporting Period	Unit	Quarterly Results (Q1-2012)	Previous 12 months Results (April 2011 through March 2012)	Prior 12 months Target (April 2011 through March 2012)	Results Project To Date	Target Project To Date (Internal Target)	% Variance To Target (Project To Date)	Total Project Plan (Per accepted Business Case)	Percentage of Business Case Spent / Complete	Footnote	Comment (If Applicable)
<b>Financial Cost / Benefits</b>																		
1	AMI Project Costs	Cost to Deploy: Capital vs. total Capital deployment cost	Total capital dollars spent on the AMI deployment program inception to date vs. total AMI program capital budget as a dollar amount and as a ratio by project.	(1) Total dollars charged to the AMI projects for capital expenses incurred in project (2) Total actual capital expenditures of all AMI projects to date divided by the sum of the total projects' budgeted capital expenditures expressed as a percentage. Costs will be categorized by the following projects: - Meter Data Management - AMI Meter Install/Provision - Network Deployment - Field Installations - AMI Register Billing - Smart Energy Manager (SEM) - Smart Energy Manager II (SEM II) - Interval Billing/SEP - Event Processing - Large C&I - Communications - Project Support Costs	Capital Spend - AMI Meter Install / Provision	Quarterly	Q4 2011	\$ and %	\$ 3,058,459.78	n/a	n/a	\$ 14,989,381.78	\$ 15,668,224.55	-4%	\$ 17,182,266.00	87%	n/a	Costs presented on this "Summary" tab are rolled up at the project level. More detailed breakdowns by Electric, Gas, and Common costs are shown on the "Details Tab" captured within BGE's financial system as either Electric, Gas, or Common costs.
					Capital Spend - AMI Register Billing	Quarterly	Q4 2011	\$ and %	\$ 1,079,927.91	n/a	n/a	\$ 2,116,492.91	\$ 2,937,506.27	-28%	\$ 7,329,626.00	29%	n/a	Costs presented on this "Summary" tab are rolled up at the project level. More detailed breakdowns by Electric, Gas, and Common costs are shown on the "Details Tab" captured within BGE's financial system as either Electric, Gas, or Common costs.
					Capital Spend - Communications	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	\$ -	0%	\$ -	0%	n/a	Costs presented on this "Summary" tab are rolled up at the project level. More detailed breakdowns by Electric, Gas, and Common costs are shown on the "Details Tab" captured within BGE's financial system as either Electric, Gas, or Common costs.
					Capital Spend - Event Processing	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	\$ -	0%	\$ 9,131,758.00	0%	n/a	Costs presented on this "Summary" tab are rolled up at the project level. More detailed breakdowns by Electric, Gas, and Common costs are shown on the "Details Tab" captured within BGE's financial system as either Electric, Gas, or Common costs.
					Capital Spend - Field Installations	Quarterly	Q4 2011	\$ and %	\$ 1,803,301.79	n/a	n/a	\$ 8,018,426.79	\$ 11,879,564.70	-33%	\$ 309,688,856.00	3%	n/a	Costs presented on this "Summary" tab are rolled up at the project level. More detailed breakdowns by Electric, Gas, and Common costs are shown on the "Details Tab" captured within BGE's financial system as either Electric, Gas, or Common costs.
					Capital Spend - Interval Billing / SEP	Quarterly	Q4 2011	\$ and %	\$ 6,160.00	n/a	n/a	\$ 119,704.00	\$ 553,837.92	-78%	\$ 14,581,701.00	1%	n/a	Costs presented on this "Summary" tab are rolled up at the project level. More detailed breakdowns by Electric, Gas, and Common costs are shown on the "Details Tab" captured within BGE's financial system as either Electric, Gas, or Common costs.
					Capital Spend - Large C&I	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	\$ -	0%	\$ 6,446,609.00	0%	n/a	Costs presented on this "Summary" tab are rolled up at the project level. More detailed breakdowns by Electric, Gas, and Common costs are shown on the "Details Tab" captured within BGE's financial system as either Electric, Gas, or Common costs.
					Capital Spend - Meter Data Management	Quarterly	Q4 2011	\$ and %	\$ 843,840.33	n/a	n/a	\$ 15,284,943.33	\$ 14,907,806.23	3%	\$ 14,763,949.00	104%	n/a	Costs presented on this "Summary" tab are rolled up at the project level. More detailed breakdowns by Electric, Gas, and Common costs are shown on the "Details Tab" captured within BGE's financial system as either Electric, Gas, or Common costs.
					Capital Spend - Network Deployment	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ 3,794,164.00	\$ 3,794,164.00	0%	\$ 3,794,164.00	100%	n/a	Costs presented on this "Summary" tab are rolled up at the project level. More detailed breakdowns by Electric, Gas, and Common costs are shown on the "Details Tab" captured within BGE's financial system as either Electric, Gas, or Common costs.
					Capital Spend - Operations	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	\$ -	0%	\$ -	0%	n/a	Costs presented on this "Summary" tab are rolled up at the project level. More detailed breakdowns by Electric, Gas, and Common costs are shown on the "Details Tab" captured within BGE's financial system as either Electric, Gas, or Common costs.
					Capital Spend - Project Support Costs	Quarterly	Q4 2011	\$ and %	\$ 2,155,244.93	n/a	n/a	\$ 17,642,712.93	\$ 16,603,286.35	6%	\$ 31,740,728.00	56%	n/a	Costs presented on this "Summary" tab are rolled up at the project level. More detailed breakdowns by Electric, Gas, and Common costs are shown on the "Details Tab" captured within BGE's financial system as either Electric, Gas, or Common costs.

**SUMMARY METRICS**

Metric #	Metric Category	Key Metric	Definition	Calculation	Specific Data Point	Frequency	First Reporting Period	Unit	Quarterly Results (Q1-2012)	Previous 12 months Results (April 2011 through March 2012)	Prior 12 months Target (April 2011 through March 2012)	Results Project To Date	Target Project to Date (Internal Target)	% Variance To Target (Project To Date)	Total Project Plan (Per accepted Business Case)	Percentage of Business Case Spent / Complete	Footnote	Comment (If Applicable)
					Capital Spend - Smart Energy Manager (SEM)	Quarterly	Q4 2011	\$ and %	\$ 695,460.49	n/a	n/a	\$ 3,109,573.49	\$ 3,421,408.65	-9%	\$ 5,238,529.00	59%	n/a	Costs presented on this "Summary" tab are rolled up at the project level. More detailed breakdowns by Electric, Gas, and Common costs are shown on the "Details Tab" captured within BGE's financial system as either Electric, Gas, or Common costs.
					Total Capital Spending	Quarterly	Q4 2011	\$ and %	\$ 9,642,395.23	n/a	n/a	\$ 65,075,399.23	\$ 69,765,798.67	-7%	\$ 419,898,186.00	15%	n/a	Costs presented on this "Summary" tab are rolled up at the project level. More detailed breakdowns by Electric, Gas, and Common costs are shown on the "Details Tab" captured within BGE's financial system as either Electric, Gas, or Common costs.
2	AMI Project Costs	Cost to Deploy: O&M vs. total O&M deployment cost	Total O&M dollars spent on the AMI deployment program inception to date vs. total AMI project O&M budget as a dollar amount and as a ratio by project.	(1) Total dollars charged to the AMI projects for O&M expenses incurred in project (2) Total actual O&M expenditures of all AMI projects to date divided by the sum of the total projects' budgeted capital expenditures expressed as a percentage. Costs will be categorized by the following projects: - Meter Data Management - AMI Meter Install/Provision - Network Deployment - Field Installations - AMI Register Billing - Smart Energy Manager (SEM) - Smart Energy Manager II (SEM II) - Interval Billing/SEP - Event Processing - Large C&I - Communications - Project Support Costs	Regulatory Asset Spend - AMI Meter Install / Provision	Quarterly	Q4 2011	\$ and %	\$ 230,713.56	n/a	n/a	\$ 908,185.56	\$ 780,444.17	16%	\$ 827,562.00	110%	n/a	Costs presented on this "Summary" tab are rolled up at the project level, however unlike Capital Costs, all Regulatory Asset costs are captured as Common costs. As such, the "Summary" and "Details" actual dollars will be one in the same.
					Regulatory Asset Spend - AMI Register Billing	Quarterly	Q4 2011	\$ and %	\$ 74,152.74	n/a	n/a	\$ 133,144.74	\$ 147,981.78	-10%	\$ 577,877.00	23%	n/a	Costs presented on this "Summary" tab are rolled up at the project level, however unlike Capital Costs, all Regulatory Asset costs are captured as Common costs. As such, the "Summary" and "Details" actual dollars will be one in the same.
					Regulatory Asset Spend - Communications	Quarterly	Q4 2011	\$ and %	\$ 119,315.32	n/a	n/a	\$ 218,200.32	\$ 1,260,429.00	-83%	\$ 22,339,656.00	1%	n/a	Costs presented on this "Summary" tab are rolled up at the project level, however unlike Capital Costs, all Regulatory Asset costs are captured as Common costs. As such, the "Summary" and "Details" actual dollars will be one in the same.
					Regulatory Asset Spend - Event Processing	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	\$ -	0%	\$ 1,600,166.00	0%	n/a	Costs presented on this "Summary" tab are rolled up at the project level, however unlike Capital Costs, all Regulatory Asset costs are captured as Common costs. As such, the "Summary" and "Details" actual dollars will be one in the same.
					Regulatory Asset Spend - Field Installations	Quarterly	Q4 2011	\$ and %	\$ 273,309.29	n/a	n/a	\$ 293,335.29	\$ 28,701.74	922%	\$ 281,655.00	104%	n/a	Costs presented on this "Summary" tab are rolled up at the project level, however unlike Capital Costs, all Regulatory Asset costs are captured as Common costs. As such, the "Summary" and "Details" actual dollars will be one in the same.
					Regulatory Asset Spend - Interval Billing / SEP	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	\$ -	0%	\$ 5,110,192.00	0%	n/a	Costs presented on this "Summary" tab are rolled up at the project level, however unlike Capital Costs, all Regulatory Asset costs are captured as Common costs. As such, the "Summary" and "Details" actual dollars will be one in the same.
					Regulatory Asset Spend - Large C&I	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	\$ -	0%	\$ 1,363,104.00	0%	n/a	Costs presented on this "Summary" tab are rolled up at the project level, however unlike Capital Costs, all Regulatory Asset costs are captured as Common costs. As such, the "Summary" and "Details" actual dollars will be one in the same.
					Regulatory Asset Spend - Meter Data Management	Quarterly	Q4 2011	\$ and %	\$ 152,387.48	n/a	n/a	\$ 3,513,788.48	\$ 3,457,970.10	2%	\$ 3,481,752.00	101%	n/a	Costs presented on this "Summary" tab are rolled up at the project level, however unlike Capital Costs, all Regulatory Asset costs are captured as Common costs. As such, the "Summary" and "Details" actual dollars will be one in the same.
					Regulatory Asset Spend - Network Deployment	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ 214,535.00	\$ 214,535.00	0%	\$ 214,535.00	100%	n/a	Costs presented on this "Summary" tab are rolled up at the project level, however unlike Capital Costs, all Regulatory Asset costs are captured as Common costs. As such, the "Summary" and "Details" actual dollars will be one in the same.
					Regulatory Asset Spend - Operations	Quarterly	Q4 2011	\$ and %	\$ 246,394.59	n/a	n/a	\$ 1,061,823.59	\$ 1,372,222.84	-23%	\$ 14,647,680.00	7%	n/a	Costs presented on this "Summary" tab are rolled up at the project level, however unlike Capital Costs, all Regulatory Asset costs are captured as Common costs. As such, the "Summary" and "Details" actual dollars will be one in the same.
					Regulatory Asset Spend - Project Support Costs	Quarterly	Q4 2011	\$ and %	\$ 106,916.68	n/a	n/a	\$ 639,522.68	\$ 826,972.57	-23%	\$ 4,404,269.00	15%	n/a	Costs presented on this "Summary" tab are rolled up at the project level, however unlike Capital Costs, all Regulatory Asset costs are captured as Common costs. As such, the "Summary" and "Details" actual dollars will be one in the same.

**SUMMARY METRICS**

Metric #	Metric Category	Key Metric	Definition	Calculation	Specific Data Point	Frequency	First Reporting Period	Unit	Quarterly Results (Q1-2012)	Previous 12 months Results (April 2011 through March 2012)	Prior 12 months Target (April 2011 through March 2012)	Results Project To Date	Target Project to Date (Internal Target)	% Variance To Target (Project To Date)	Total Project Plan (Per accepted Business Case)	Percentage of Business Case Spent / Complete	Footnote	Comment (If Applicable)
					Regulatory Asset Spend - Smart Energy Manager (SEM)	Quarterly	Q4 2011	\$ and %	\$ 1,188,407.84	n/a	n/a	\$ 2,502,227.84	\$ 2,729,512.18	-8%	\$ 7,253,366.00	34%	n/a	Costs presented on this "Summary" tab are rolled up at the project level, however unlike Capital Costs, all Regulatory Asset costs are captured as Common costs. As such, the "Summary" and "Details" actual dollars will be one in the same.
					Total Regulatory Asset Spending	Quarterly	Q4 2011	\$ and %	\$ 2,391,597.50	n/a	n/a	\$ 9,484,763.50	\$ 10,818,769.38	-12%	\$ 62,101,814.00	15%	n/a	Costs presented on this "Summary" tab are rolled up at the project level, however unlike Capital Costs, all Regulatory Asset costs are captured as Common costs. As such, the "Summary" and "Details" actual dollars will be one in the same.
3	Capital Savings (direct & avoided)	DOE Reimbursement - AMI only	Portion of Department of Energy Smart Grid Investment Grants received and applied to offset cost of AMI and ratio of total grant.	Eligible amount of AMI DOE expenses invoiced (\$). Eligible amount of AMI DOE expenses invoiced/Total AMI DOE Grant.	Eligible Amount of AMI DOE Expenses Invoiced	Quarterly	Q1 2011	\$	\$ 5,253,689.67	n/a	n/a	\$ 68,698,607.92	n/a	0%	\$ 158,003,495.27	43%	n/a	This metric will account for 79% of the total DOE grant.
12	Other Economic Benefits	DOE grants to Direct Load Control and Customer Information System programs	Portion of Department of Energy Smart Grid Investment Grants invoiced and applied to offset the cost of Direct Load Control and Customer Information System projects  Note: Dollars currently appear as a reduction to the EM Power Maryland Surcharge.	Eligible amount invoiced to DOE for expenses incurred in the BGE Direct Load Control and Customer Information System project	Eligible amount invoiced to DOE for expenses incurred in the BGE Direct Load Control and Customer Information System project	Quarterly	Q4 2011	\$	\$ -	n/a	n/a	\$ 41,996,504.73	n/a	0%	\$ 41,996,504.73	100%	n/a	This metric will account for 21% of the total DOE grant.
<b>Project Delivery &amp; Execution</b>																		
13	Meter Deployment	Total AMI electric meters installed	Total AMI electric meters installed (physically attached to a premise) expressed as total number and percent of total	1) Total number of actual AMI electric meters installed 2) Total number of actual AMI electric meters installed divided by the planned total number of meters	Total Number of Actual AMI Meters Installed	Quarterly	Q4 2011	# / %	0	n/a	n/a	184	200	-8%	1,360,000	0%	n/a	Figures are from BGE's Field Trial, not official full-deployment meters. The full meter deployment is scheduled to begin in Q2 2012
14	Meter Deployment	Total AMI Gas modules or Gas Meters Installed	Total AMI gas modules installed (physically attached to a premise) expressed as total number and percent of total	1) Total number of actual AMI gas modules installed 2) Total number of actual AMI gas modules installed divided by the planned total number of gas modules	Total Number of Actual AMI Gas modules or Gas Meters Installed	Quarterly	Q4 2011	# / %	25	n/a	n/a	25	0	0%	730,000	0%	n/a	The deployment of gas modules/meters is scheduled to begin in Q2 2012
15	Network Deployment	Total communication network components installed (access points & relays)	Total communication network components installed (access points & relays) expressed as total number and percent of total	1) Total number of actual installed access points & relays (repeaters) 2) Total number of actual installed access points & relays and repeaters divided by the planned total number of access points & relays (repeaters) expressed as a percentage.	Total Number of Access Points Installed	Quarterly	Q4 2011	# / %	47	n/a	n/a	130	124	5%	n/a	n/a	n/a	Deployment of the Network devices began in May 2011 and is projected to complete Q3 2013
					Total Number of Relays Installed	Quarterly	Q4 2011	# / %	84	n/a	n/a	305	278	10%	n/a	n/a	n/a	Deployment of the Network devices began in May 2011 and is projected to complete Q3 2013

Notes: BGE's financial targets reported in the column titled "Target Project to Date (Internal Target)" reflect BGE's most current 5 year plan. This will allow the data to be pulled from the financial systems and it will align with other forecasted data provided to the Maryland Public Service Commission. Also BGE noted during the hearings in Case 9208 that the timing of the approval order would lead to increased costs in certain contract prices versus the assumptions embedded in its filed business case, which was prepared in July 2010. After the commission issued order no. 83531 on August 13, 2010, the company revised its business case slightly (3.7%) to account for increases in costs from the date of preparation of the filed business case.

## DETAILED METRICS

Metric #	Metric Category	Key Metric	Definition	Calculation	Specific Data Point	Frequency	First Reporting Period	Unit	Quarterly Results (Q1-2012)	Previous 12 months Results (April 2011 through March 2012)	Prior 12 months Target (April 2011 through March 2012)	Results Project To Date	Target Project to Date (Internal Target)	% Variance To Target (Project To Date)	Total Project Plan (Per accepted Business Case)	Percentage of Business Case Spent / Complete	Footnote	Comment (If Applicable)
<b>Financial Cost / Benefits</b>																		
1	AMI Project Costs	Cost to Deploy: Capital vs. total Capital deployment cost	Total capital dollars spent on the AMI deployment program inception to date vs. total AMI program capital budget as a dollar amount and as a ratio by project.	(1) Total dollars charged to the AMI projects for capital expenses incurred in project (2) Total actual capital expenditures of all AMI projects to date divided by the sum of the total projects' budgeted capital expenditures expressed as a percentage. Costs will be categorized by the following projects: - Meter Data Management - AMI Meter Install/Provision - Network Deployment - Field Installations - AMI Register Billing - Smart Energy Manager (SEM) - Smart Energy Manager II (SEM II) - Interval Billing/SEP - Event Processing - Large C&I - Communications - Project Support Costs	Capital Spend - AMI Meter Install / Provision - Common	Quarterly	Q4 2011	\$ and %	\$ 3,037,588.38	n/a	n/a	\$ 14,875,818.38	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - AMI Meter Install / Provision - Electric	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ 76,160.00	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - AMI Meter Install / Provision - Gas	Quarterly	Q4 2011	\$ and %	\$ 20,871.40	n/a	n/a	\$ 37,403.40	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - AMI Register Billing - Common	Quarterly	Q4 2011	\$ and %	\$ 1,079,927.91	n/a	n/a	\$ 2,116,492.91	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - AMI Register Billing - Electric	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - AMI Register Billing - Gas	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Communications - Common	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Communications - Electric	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Communications - Gas	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Event Processing - Common	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Event Processing - Electric	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Event Processing - Gas	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Field Installations - Common	Quarterly	Q4 2011	\$ and %	\$ 1,389,698.18	n/a	n/a	\$ 6,486,201.18	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Field Installations - Electric	Quarterly	Q4 2011	\$ and %	\$ 340,571.34	n/a	n/a	\$ 1,288,726.34	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.

## DETAILED METRICS

Metric #	Metric Category	Key Metric	Definition	Calculation	Specific Data Point	Frequency	First Reporting Period	Unit	Quarterly Results (Q1-2012)	Previous 12 months Results (April 2011 through March 2012)	Prior 12 months Target (April 2011 through March 2012)	Results Project To Date	Target Project to Date (Internal Target)	% Variance To Target (Project To Date)	Total Project Plan (Per accepted Business Case)	Percentage of Business Case Spent / Complete	Footnote	Comment (If Applicable)
1					Capital Spend - Field Installations - Gas	Quarterly	Q4 2011	\$ and %	\$ 73,032.27	n/a	n/a	\$ 243,499.27	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Interval Billing / SEP - Common	Quarterly	Q4 2011	\$ and %	\$ 6,160.00	n/a	n/a	\$ 119,704.00	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Interval Billing / SEP - Electric	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Interval Billing / SEP - Gas	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Large C&I - Common	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Large C&I - Electric	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Large C&I - Gas	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Meter Data Management - Common	Quarterly	Q4 2011	\$ and %	\$ 843,840.33	n/a	n/a	\$ 15,284,943.33	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Meter Data Management - Electric	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Meter Data Management - Gas	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Network Deployment - Common	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ 3,794,164.00	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Network Deployment - Electric	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Network Deployment - Gas	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Operations - Common	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Operations - Electric	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Operations - Gas	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Project Support Costs - Common	Quarterly	Q4 2011	\$ and %	\$ 267,594.80	n/a	n/a	\$ 1,539,414.80	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Project Support Costs - Electric	Quarterly	Q4 2011	\$ and %	\$ 1,544,079.70	n/a	n/a	\$ 13,212,249.70	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.

## DETAILED METRICS

Metric #	Metric Category	Key Metric	Definition	Calculation	Specific Data Point	Frequency	First Reporting Period	Unit	Quarterly Results (Q1-2012)	Previous 12 months Results (April 2011 through March 2012)	Prior 12 months Target (April 2011 through March 2012)	Results Project To Date	Target Project to Date (Internal Target)	% Variance To Target (Project To Date)	Total Project Plan (Per accepted Business Case)	Percentage of Business Case Spent / Complete	Footnote	Comment (If Applicable)
1					Capital Spend - Project Support Costs - Gas	Quarterly	Q4 2011	\$ and %	\$ 343,570.43	n/a	n/a	\$ 2,891,048.43	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Smart Energy Manager (SEM) - Common	Quarterly	Q4 2011	\$ and %	\$ 695,460.49	n/a	n/a	\$ 3,109,573.49	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Smart Energy Manager (SEM) - Electric	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Capital Spend - Smart Energy Manager (SEM) - Gas	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
1					Total Capital Spending	Quarterly	Q4 2011	\$ and %	\$ 9,642,395.23	n/a	n/a	\$ 65,075,399.23	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	Costs are presented as they are captured within BGE's financial system as either Electric, Gas, or Common costs.
2	AMI Project Costs	Cost to Deploy: O&M vs. total O&M deployment cost	Total O&M dollars spent on the AMI deployment program inception to date vs. total AMI project O&M budget as a dollar amount and as a ratio by project.	(1) Total dollars charged to the AMI projects for O&M expenses incurred in project (2) Total actual O&M expenditures of all AMI projects to date divided by the sum of the total projects' budgeted capital expenditures expressed as a percentage. Costs will be categorized by the following projects: - Meter Data Management - AMI Meter Install/Provision - Network Deployment - Field Installations - AMI Register Billing - Smart Energy Manager (SEM) - Smart Energy Manager II (SEM II) - Interval Billing/SEP - Event Processing - Large C&I - Communications - Project Support Costs	Regulatory Asset Spend - AMI Meter Install / Provision - Common	Quarterly	Q4 2011	\$ and %	\$ 230,713.56	n/a	n/a	\$ 908,185.56	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	All Regulatory Asset costs are captured as Common costs.
2					Regulatory Asset Spend - AMI Register Billing - Common	Quarterly	Q4 2011	\$ and %	\$ 74,152.74	n/a	n/a	\$ 133,144.74	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	All Regulatory Asset costs are captured as Common costs.
2					Regulatory Asset Spend - Communications - Common	Quarterly	Q4 2011	\$ and %	\$ 119,315.32	n/a	n/a	\$ 218,200.32	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	All Regulatory Asset costs are captured as Common costs.
2					Regulatory Asset Spend - Event Processing - Common	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	All Regulatory Asset costs are captured as Common costs.
2					Regulatory Asset Spend - Field Installations - Common	Quarterly	Q4 2011	\$ and %	\$ 273,309.29	n/a	n/a	\$ 293,335.29	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	All Regulatory Asset costs are captured as Common costs.
2					Regulatory Asset Spend - Interval Billing / SEP - Common	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	All Regulatory Asset costs are captured as Common costs.
2					Regulatory Asset Spend - Large C&I - Common	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ -	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	All Regulatory Asset costs are captured as Common costs.
2					Regulatory Asset Spend - Meter Data Management - Common	Quarterly	Q4 2011	\$ and %	\$ 152,387.48	n/a	n/a	\$ 3,513,788.48	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	All Regulatory Asset costs are captured as Common costs.
2					Regulatory Asset Spend - Network Deployment - Common	Quarterly	Q4 2011	\$ and %	\$ -	n/a	n/a	\$ 214,535.00	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	All Regulatory Asset costs are captured as Common costs.
2					Regulatory Asset Spend - Operations - Common	Quarterly	Q4 2011	\$ and %	\$ 246,394.59	n/a	n/a	\$ 1,061,823.59	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	All Regulatory Asset costs are captured as Common costs.



## DETAILED METRICS

Metric #	Metric Category	Key Metric	Definition	Calculation	Specific Data Point	Frequency	First Reporting Period	Unit	Quarterly Results (Q1-2012)	Previous 12 months Results (April 2011 through March 2012)	Prior 12 months Target (April 2011 through March 2012)	Results Project To Date	Target Project to Date (Internal Target)	% Variance To Target (Project To Date)	Total Project Plan (Per accepted Business Case)	Percentage of Business Case Spent / Complete	Footnote	Comment (If Applicable)	
2					Regulatory Asset Spend - Project Support Costs - Common	Quarterly	Q4 2011	\$ and %	\$ 106,916.68	n/a	n/a	\$ 639,522.68	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	All Regulatory Asset costs are captured as Common costs.	
2					Regulatory Asset Spend - Smart Energy Manager (SEM) - Common	Quarterly	Q4 2011	\$ and %	\$ 1,188,407.84	n/a	n/a	\$ 2,502,227.84	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	All Regulatory Asset costs are captured as Common costs.	
2					Total Regulatory Asset Spending	Quarterly	Q4 2011	\$ and %	\$ 2,391,597.50	n/a	n/a	\$ 9,484,763.50	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	See Summary Tab for Rollup at Project Level	n/a	All Regulatory Asset costs are captured as Common costs.	
3	Capital Savings (direct & avoided)	DOE Reimbursement - AMI only	Portion of Department of Energy Smart Grid Investment Grants received and applied to offset cost of AMI and ratio of total grant.	Eligible amount of AMI DOE expenses invoiced (\$). Eligible amount of AMI DOE expenses invoiced/Total AMI DOE Grant.	A) Eligible Amount of AMI DOE Expenses Invoiced and B) Eligible Amount of AMI DOE Expenses Invoiced as a Percentage of the Total AMI DOE Grant.	Quarterly	Q1 2011	\$ and %	\$ 5,253,689.67	n/a	n/a	\$ 68,698,607.92	See Summary Tab	See Summary Tab	See Summary Tab	See Summary Tab	n/a	This metric will account for 79% of the total DOE grant.	
4	Capital Savings (direct & avoided)	Avoided new capital investment in new installations of the older metering systems due to customer growth	Total dollar value of avoided legacy metering capital costs for new customers and new developments.	(2008-2010 average cost to install meter(materials and labor)) * (Handy Whitman inflation factor) * (# of avoided legacy meters from new customer installations + # of avoided legacy meters from new development installations)	Avoided new capital investment in new installations of the older metering systems due to customer growth	Quarterly	Q1 2012	\$	\$ -	n/a	n/a	\$ -	n/a	n/a	n/a	n/a	n/a	n/a	
5	Capital Savings (direct & avoided)	Avoided planned replacement and maintenance costs relating to the older metering system (e.g., mechanical meters, ERT devices, etc)	Total dollar value of avoided replacement costs of current metering equipment	Avoided cost to upgrade AMR system (meter reading IT system) plus 2008-2010 average cost per ITRON unit replacement * Handy Whitman inflation factor * number of scheduled replacements  plus 2008-2010 average cost per meter replacement (materials and labor) * Handy Whitman inflation factor * number of scheduled replacements	Avoided planned replacement and maintenance costs relating to the older metering system (e.g., mechanical meters, ERT devices, etc)	Annually	Q1 2012	\$	n/a	\$ -	n/a	\$ -	n/a	n/a	n/a	n/a	n/a	n/a	
6	Monetization of Dynamic Pricing Resources	Wholesale Capacity Auction Result dollars	Results from bidding dynamic pricing as a capacity resource in the RPM auctions (PJM capacity markets) (benefit realized during the delivery year)	cleared volume (MW) * final weighted cleared price for delivery year X	Wholesale Capacity Auction Result dollars	Annually	Q4 2011	\$	n/a	n/a	n/a	\$ 5,915,428.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a since Metric reporting frequency is Annual; See Q4-2011 report for annual value
7	Monetization of Dynamic Pricing Resources	Calculation of Capacity price mitigation based on wholesale capacity auctions results: - BGE /Peppo all customers	Expected benefit to all (BGE or Pepco) Zone Customers due to dynamic pricing capacity participation in RPM auctions (benefit realized during the delivery year)	Expected Benefit to all BGE customers = [Total BGE Zone capacity obligation (MW) * clearing price without bidding BGE dynamic pricing MWs (\$ per MW-day)] - [Total BGE Zone capacity obligation (MW) * clearing price (\$ per MW-day)] for delivery year X	Calculation of Capacity price mitigation based on wholesale capacity auctions results: - BGE /Peppo all customers	Annually	Q4 2011	\$	n/a	n/a	n/a	\$ 30,215,905.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a since Metric reporting frequency is Annual; See Q4-2011 report for annual value
8	Monetization of Dynamic Pricing Resources	Calculation of Capacity price mitigation based on wholesale capacity auctions results: - Other MD customers	Expected benefit to other MD Customers in the SWMAAC and Eastern MACC regions due to dynamic pricing capacity participation in RPM auctions (benefit realized during the delivery year)	Expected Benefit to other MD customers (1) = [Total BGE MD capacity obligation (MW) * clearing price without bidding BGE dynamic pricing MWs (\$ per MW-day)] - [Total BGE MD capacity obligation (MW) * clearing price (\$ per MW-day)] for delivery year X  (1) SWMAAC and Eastern MACC only includes the BGE Zone and the PEPCO (MD/DC) Zone	Calculation of Capacity price mitigation based on wholesale capacity auctions results: - Other MD customers	Annually	Q4 2011	\$	n/a	n/a	n/a	\$ 23,570,859.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a since Metric reporting frequency is Annual; See Q4-2011 report for annual value
9	O&M Savings (direct & avoided)	Reduction in manual meter reading costs	Cost reductions due to the elimination of meter reading positions (in-house and contract)	(2008-2010 average number of meter readers - YTD average number of meter readers) * (YTD meter reader fully loaded labor costs / YTD average number of meter readers) Plus (2008-2010 average monthly contractor costs inflation-adjusted using the CPI to current * months to date) - (YTD contractor costs)	Reduction in manual meter reading costs	Annually	Q2 2012	\$	n/a	\$ -	\$ -	\$ -	\$ -	0%	n/a	n/a	n/a	n/a	
10	O&M Savings (direct & avoided)	Reduction in meter operations costs (e.g., field visits, meter maintenance, etc) (BGE only in Phase I)	Meter operations savings due to lower survey meter activities and ERT battery replacement costs.	(2008-2010 average cost of electric & gas survey meter activities)-(Like cost in current period) Plus 2008-2010 average cost of ERT battery replacement (materials and labor) * Handy Whitman inflation factor * number of scheduled replacements	Reduction in meter operations costs (e.g., field visits, meter maintenance, etc) (BGE only in Phase I)	Annually	Q1 2012	\$	n/a	\$ 5,393,090.00	n/a	\$ 5,393,090.00	n/a	n/a	n/a	n/a	n/a	n/a	

**DETAILED METRICS**

Metric #	Metric Category	Key Metric	Definition	Calculation	Specific Data Point	Frequency	First Reporting Period	Unit	Quarterly Results (Q1-2012)	Previous 12 months Results (April 2011 through March 2012)	Prior 12 months Target (April 2011 through March 2012)	Results Project To Date	Target Project to Date (Internal Target)	% Variance To Target (Project To Date)	Total Project Plan (Per accepted Business Case)	Percentage of Business Case Spent / Complete	Footnote	Comment (If Applicable)	
11	Other Economic Benefits	Reduced Theft of Energy	The number of incidents of theft of energy uncovered and the dollar amount billed for theft of energy.	Incremental Dollar Amount Billed for Theft of Energy	Incremental Dollar Amount Billed for Theft of Energy	Annually	Q3 2013	\$	n/a	\$ -	n/a	\$ -	n/a	n/a	n/a	n/a	n/a	Results are \$0 for project-to-date, as this capability will be enabled with the 2013 and 2014 events processing enhancements.	
11	Other Economic Benefits	Reduced Theft of Energy	The number of incidents of theft of energy uncovered and the dollar amount billed for theft of energy.	Number of Theft Incidents	Number of Theft Incidents	Annually	Q3 2013	#	n/a	0	n/a	\$ -	n/a	n/a	n/a	n/a	n/a	Results are 0 project-to-date, as this capability with the Smart Meters will be enabled with the 2013 and 2014 events processing enhancements	
12	Other Economic Benefits	DOE grants to Direct Load Control and Customer Information System programs	Portion of Department of Energy Smart Grid Investment Grants invoiced and applied to offset the cost of Direct Load Control and Customer Information System projects  Note: Dollars currently appear as a reduction to the EM Power Maryland Surcharge.	Eligible amount invoiced to DOE for expenses incurred in the BGE Direct Load Control and Customer Information System project	Eligible amount invoiced to DOE for expenses incurred in the BGE Direct Load Control and Customer Information System project	Quarterly	Q4 2011	\$	\$ -	n/a	n/a	\$ 41,996,504.73	See Summary Tab	See Summary Tab	See Summary Tab	See Summary Tab	n/a	This metric will account for 21% of the total DOE grant.	
<b>Project Delivery &amp; Execution</b>																			
13	Meter Deployment	Total AMI electric meters installed	Total AMI electric meters installed (physically attached to a premise) expressed as total number and percent of total	1) Total number of actual AMI electric meters installed 2) Total number of actual AMI electric meters installed divided by the planned total number of meters	Total Number of Actual AMI Meters Installed	Quarterly	Q4 2011	# / %	0	n/a	n/a	184	200	-8%	1,360,000	0.01%	n/a	Figures are from BGE's Field Trial, not official full-deployment meters. The full meter deployment is scheduled to begin in Q2 2012	
14	Meter Deployment	Total AMI Gas modules or Gas Meters Installed	Total AMI gas modules installed (physically attached to a premise) expressed as total number and percent of total	1) Total number of actual AMI gas modules installed 2) Total number of actual AMI gas modules installed divided by the planned total number of gas modules	Total Number of Actual AMI Gas modules or Gas Meters Installed	Quarterly	Q4 2011	# / %	25	n/a	n/a	25	0	0%	730,000	0.00%	n/a	The deployment of gas modules/meters is scheduled to begin in Q2 2012	
15	Network Deployment	Total communication network components installed (access points & relays)	Total communication network components installed (access points & relays) expressed as total number and percent of total	1) Total number of actual installed access points & relays (repeaters) 2) Total number of actual installed access points & relays and repeaters divided by the planned total number of access points & relays (repeaters) expressed as a percentage.	Total Number of Access Points Installed	Quarterly	Q4 2011	# / %	47	n/a	n/a	130	124	5%	n/a	n/a	n/a	Deployment of the Network devices began in May 2011 and is projected to complete Q3 2013	
15	Network Deployment	Total communication network components installed (access points & relays)	Total communication network components installed (access points & relays) expressed as total number and percent of total	1) Total number of actual installed access points & relays (repeaters) 2) Total number of actual installed access points & relays and repeaters divided by the planned total number of access points & relays (repeaters) expressed as a percentage.	Total Number of Relays Installed	Quarterly	Q4 2011	# / %	84	n/a	n/a	305	278	10%	n/a	n/a	n/a	Deployment of the Network devices began in May 2011 and is projected to complete Q3 2013	
16	Hard to Access Meters	Total number of "Hard to Access" (HTAs) premises	# of hard to access premises which the AMI vendor must return to the utility for AMI meter installation.	# of HTAs where BGE has exhausted all its options to conduct an exchange and the last resort is possible disconnection.	# of HTAs where BGE has exhausted all its options to conduct an exchange and the last resort is possible disconnection.	Quarterly	Q4 2011	#	0	n/a	n/a	0	n/a	n/a	n/a	n/a	n/a	The full meter/module deployment is scheduled to begin in Q2 2012	
17	Meter Billing	Total AMI meters used for billing (activated), communicating achieved and used to bill monthly	Total AMI meters used for billing (activated, i.e. communicating with meter to produce customer bill) expressed as total number and percent of total	1) Total number of actual active AMI meters 2) Total number of actual active AMI meters divided by the planned total number of active AMI meters	a) Total Number of Actual Active AMI Meters and b) Total Number of Actual Active AMI Meters / Planned Number of Actual Active AMI Meters	Quarterly	Q2 2012	# / %	0	n/a	n/a	0	0	0%	0	0.00%	n/a	The network billing capability of the system is currently scheduled to be active in Q4 2012	
<b>Operational</b>																			
18	Billing Accuracy	Percentage of accounts with AMI meters that have to be estimated	Percentage of accounts with AMI meters where any portion of the bill has to be estimated	(AMI Meters Estimated for billing purposes / AMI Total Activated (used for billing))*100 Note: The 2008-2010 average will be provided as a foot note for comparison purposes	(AMI Meters Estimated for billing purposes / AMI Total Activated (used for billing))*100 Note: The 2008-2010 average will be provided as a foot note for comparison purposes	Quarterly	Q2 2012	%	0%	n/a	n/a	0%	0%	0%	0%	0%	n/a	0%	
19	Billing Accuracy	Number of consecutive estimated billing cycles (30,60,90 days on the system)	A count of estimated bills and their respective durations before there is an actual reading that results in bill being generated for the customer.	# of estimated bills at 30, 60, and 90 days estimated # estimation bill accts in each aging bucket/ total number of bill accts Note: The 2008-2010 average will be provided as a foot note for comparison purposes	# estimation bill accts at 30 days estimated / total number of bill accts Note: The 2008-2010 average will be provided as a foot note for comparison purposes	Quarterly	Q2 2012	%	0%	n/a	n/a	0%	0%	0%	0%	0%	n/a	0%	The network billing capability of the system is currently scheduled to be active in Q4 2012

## DETAILED METRICS

Metric #	Metric Category	Key Metric	Definition	Calculation	Specific Data Point	Frequency	First Reporting Period	Unit	Quarterly Results (Q1-2012)	Previous 12 months Results (April 2011 through March 2012)	Prior 12 months Target (April 2011 through March 2012)	Results Project To Date	Target Project to Date (Internal Target)	% Variance To Target (Project To Date)	Total Project Plan (Per accepted Business Case)	Percentage of Business Case Spent / Complete	Footnote	Comment (If Applicable)
19	Billing Accuracy	Number of consecutive estimated billing cycles (30,60,90 days on the system)	A count of estimated bills and their respective durations before there is an actual reading that results in bill being generated for the customer.	# of estimated bills at 30, 60, and 90 days estimated # estimation bill accts in each aging bucket/ total number of bill accts <i>Note: The 2008-2010 average will be provided as a footnote for comparison purposes</i>	# estimation bill accts at 60 days estimated / total number of bill accts <i>Note: The 2008-2010 average will be provided as a footnote for comparison purposes</i>	Quarterly	Q2 2012	%	0%	n/a	n/a	0%	0%	0%	0%	n/a	0%	The network billing capability of the system is currently scheduled to be active in Q4 2012
19	Billing Accuracy	Number of consecutive estimated billing cycles (30,60,90 days on the system)	A count of estimated bills and their respective durations before there is an actual reading that results in bill being generated for the customer.	# of estimated bills at 30, 60, and 90 days estimated # estimation bill accts in each aging bucket/ total number of bill accts <i>Note: The 2008-2010 average will be provided as a footnote for comparison purposes</i>	# estimation bill accts at 90 days estimated / total number of bill accts <i>Note: The 2008-2010 average will be provided as a footnote for comparison purposes</i>	Quarterly	Q2 2012	%	0%	n/a	n/a	0%	0%	0%	0%	n/a	0%	The network billing capability of the system is currently scheduled to be active in Q4 2012
19	Billing Accuracy	Number of consecutive estimated billing cycles (30,60,90 days on the system)	A count of estimated bills and their respective durations before there is an actual reading that results in bill being generated for the customer.	# of estimated bills at 30, 60, and 90 days estimated # estimation bill accts in each aging bucket/ total number of bill accts <i>Note: The 2008-2010 average will be provided as a footnote for comparison purposes</i>	# of estimated bills at 30 days estimated <i>Note: The 2008-2010 average will be provided as a footnote for comparison purposes</i>	Quarterly	Q2 2012	#	0%	n/a	n/a	0%	0%	0%	0%	n/a	0%	The network billing capability of the system is currently scheduled to be active in Q4 2012
19	Billing Accuracy	Number of consecutive estimated billing cycles (30,60,90 days on the system)	A count of estimated bills and their respective durations before there is an actual reading that results in bill being generated for the customer.	# of estimated bills at 30, 60, and 90 days estimated # estimation bill accts in each aging bucket/ total number of bill accts <i>Note: The 2008-2010 average will be provided as a footnote for comparison purposes</i>	# of estimated bills at 60 days estimated <i>Note: The 2008-2010 average will be provided as a footnote for comparison purposes</i>	Quarterly	Q2 2012	#	0%	n/a	n/a	0%	0%	0%	0%	n/a	0%	The network billing capability of the system is currently scheduled to be active in Q4 2012
19	Billing Accuracy	Number of consecutive estimated billing cycles (30,60,90 days on the system)	A count of estimated bills and their respective durations before there is an actual reading that results in bill being generated for the customer.	# of estimated bills at 30, 60, and 90 days estimated # estimation bill accts in each aging bucket/ total number of bill accts <i>Note: The 2008-2010 average will be provided as a footnote for comparison purposes</i>	# of estimated bills at 90 days estimated <i>Note: The 2008-2010 average will be provided as a footnote for comparison purposes</i>	Quarterly	Q2 2012	#	0%	n/a	n/a	0%	0%	0%	0%	n/a	0%	The network billing capability of the system is currently scheduled to be active in Q4 2012
20	Field Visits	# of avoided truck rolls	Number of avoided truck rolls for meter field inspections. <i>Note: Will include number of deployment truck rolls as a footnote</i>	((2008-2010 average # of truck rolls) * (truck roll growth factor)) - (current # of truck rolls)	Number of avoided truck rolls for meter field inspections. <i>Note: Will include number of deployment truck rolls as a footnote</i>	Quarterly	Q1 2013	#	0	n/a	n/a	0	0	0%	0	n/a	0	The full meter/module deployment is scheduled to begin in Q2 2012
21	Meter Accuracy	Percentage of meters that pass side-by-side/dual pan meter tests (BGE Only)	Percentage of meters that pass side-by-side/dual pan meter tests (BGE Only) based on statistically significant sample size where AMI meters are installed next to legacy meters and compared manually.	Sample Size Population Based on 95% Confidence Level and a 5% Confidence Interval. Proposed Tolerance Level +/- 2% # of Dual Pans within tolerance divided by total number of dual pan installs.	Sample Size Population Based on 95% Confidence Level and a 5% Confidence Interval. Proposed Tolerance Level +/- 2% # of Dual Pans within tolerance divided by total number of dual pan installs.	Annually	Q4 2011	%	n/a	99.5%	99.5%	99.5%	99.5%	0%	n/a	n/a	n/a	
22	Meter Accuracy	3rd Party Accuracy Test Percentage	Percentage of meters that pass 3rd party accuracy test. A statistically significant sample of meters will be sent from the vendor to a third party to be tested prior to being tested internally	Report from vendor - plan now is to import those results into MTS - meter test system in the EMC test shop	Percentage of meters that pass 3rd party accuracy test. A statistically significant sample of meters will be sent from the vendor to a third party to be tested prior to being tested internally	Quarterly	Q4 2011	%	0%	n/a	n/a	0%	0%	0%	n/a	n/a	n/a	The full meter/module deployment is scheduled to begin in Q2 2012
23	Meter Accuracy	AMI Meter Sample Internal Test Results	Percentage of AMI meters that pass internal accuracy testing prior to deployment	* A sample of meters (determined by ANSI Z1.4) will be tested prior to releasing a shipment into inventory for installation * Solid state electric meter accuracy of X% will be required	Percentage of AMI meters that pass internal accuracy testing prior to deployment	Quarterly	Q4 2011	%	0%	n/a	n/a	0%	0%	0%	n/a	n/a	n/a	The full meter/module deployment is scheduled to begin in Q2 2012
24	Meter Reading Effectiveness	Percentage of interval reads received	# of intervals reported / total number of possible intervals to be reported	# of intervals reported / total number of possible intervals to be reported * 100	# of intervals reported / total number of possible intervals to be reported	Quarterly	Q4 2011	%	0%	n/a	n/a	0%	0%	0%	n/a	n/a	n/a	The full meter deployment is scheduled to begin in Q2 2012.

### Communications & Education

## DETAILED METRICS

Metric #	Metric Category	Key Metric	Definition	Calculation	Specific Data Point	Frequency	First Reporting Period	Unit	Quarterly Results (Q1-2012)	Previous 12 months Results (April 2011 through March 2012)	Prior 12 months Target (April 2011 through March 2012)	Results Project To Date	Target Project to Date (Internal Target)	% Variance To Target (Project To Date)	Total Project Plan (Per accepted Business Case)	Percentage of Business Case Spent / Complete	Footnote	Comment (If Applicable)
25	Awareness and Understanding	% awareness of AMI technology and benefits (survey measurement)	% awareness of customers based on survey results; target to be determined after baseline established (with and w/o internet access)	3rd Party Survey	% awareness of customers based on survey results; target to be determined after baseline established (w/o internet access)	Quarterly	Q1 2012	%	49%	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Based on BGE's customer research, the majority of BGE customers (78%) have Internet access at home, therefore the population and sample of customers who do not have Internet access will be small. The sample size breakdown of those customers without Internet access against variables such as awareness or understanding of smart meter benefits will be small and therefore the data will have to be considered directional. Caution will have to be exercised due to the small sample size.
25	Awareness and Understanding	% awareness of AMI technology and benefits (survey measurement)	% awareness of customers based on survey results; target to be determined after baseline established (with and w/o internet access)	3rd Party Survey	% awareness of customers based on survey results; target to be determined after baseline established (with internet access)	Quarterly	Q1 2012	%	41%	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	BGE has been voluntarily collecting smart grid awareness, understanding and sentiment related data since Q1, 2011 for market research purposes ahead of any formal edict or requirement. Having historical data on this topic will enable BGE to establish a baseline and identify trends ahead of any formal metrics established with the Maryland Public Service Commission.
26	Awareness and Understanding	% understanding of AMI technology and benefits (survey measurement)	% understanding of customers based on survey results; target to be determined after baseline established (with and w/o internet access)	3rd Party Survey	% understanding of customers based on survey results; target to be determined after baseline established (w/o internet access)	Quarterly	Q1 2012	%	46%	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Based on BGE's customer research, the majority of BGE customers (78%) have Internet access at home, therefore the population and sample of customers who do not have Internet access will be small. The sample size breakdown of those customers without Internet access against variables such as awareness or understanding of smart meter benefits will be small and therefore the data will have to be considered directional. Caution will have to be exercised due to the small sample size.
26	Awareness and Understanding	% understanding of AMI technology and benefits (survey measurement)	% understanding of customers based on survey results; target to be determined after baseline established (with and w/o internet access)	3rd Party Survey	% understanding of customers based on survey results; target to be determined after baseline established (with internet access)	Quarterly	Q1 2012	%	53%	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	BGE has been voluntarily collecting smart grid awareness, understanding and sentiment related data since Q1, 2011 for market research purposes ahead of any formal edict or requirement. Having historical data on this topic will enable BGE to establish a baseline and identify trends ahead of any formal metrics established with the Maryland Public Service Commission.
27	Community Outreach	# of community outreach events conducted and number of attendees at events	- Number of events held to educate customers on smart meter functionality - Number of customers attending educational events	Count of events and number of attendees	# of attendees at community outreach events conducted	Annually	Q4 2011	#	n/a	0	0	0	n/a	n/a	n/a	n/a	n/a	
27	Community Outreach	# of community outreach events conducted and number of attendees at events	- Number of events held to educate customers on smart meter functionality - Number of customers attending educational events	Count of events and number of attendees	# of community outreach events conducted	Annually	Q4 2011	#	n/a	0	0	0	n/a	n/a	n/a	n/a	n/a	
28	Community Outreach	# of articles that appear in local media	Number of articles that appear in local media as a result of company issued press releases	Count of articles that appear in local media as a result of company issued press releases	Number of articles that appear in local media as a result of company issued press releases	Quarterly	Q1 2012	#	5	n/a	n/a	5	n/a	0%	n/a	n/a	n/a	
29	Community Outreach	# of articles in internal newsletter	Number of articles in internal newsletter	Count of articles in internal newsletter	Number of articles in internal newsletter	Quarterly	Q1 2012	#	3	n/a	n/a	5	n/a	0	n/a	n/a	n/a	
30	Customer Satisfaction	# of Meter Installation Complaints/Claims	Number of Meter Installation Complaints/claims	Count of Meter Installation complaints/claims	Number of Meter Installation complaints/claims	Quarterly	TBD	#	0	n/a	n/a	0	n/a	0%	n/a	n/a	n/a	The full meter/module deployment is scheduled to begin in Q2 2012
31	Customer Satisfaction	# of missed installation appointments	Number of missed appointments	Count of missed appointments	Number of missed appointments	Quarterly	TBD	#	0	n/a	n/a	0	n/a	0%	n/a	n/a	n/a	The full meter/module deployment is scheduled to begin in Q2 2012
32	Community Outreach	# of customer organizations contacted	Number of customer organization contacted	Count of customer organizations contacted	Number of customer organization contacted	Quarterly	Q1 2012	#	90	n/a	n/a	90	n/a	0%	n/a	n/a	n/a	
33	Customer Satisfaction	# of customer referrals to energy advisors	# of transfers to energy advisors for information on AMI deployments	Count of number of referrals	# of transfers to energy advisors for information on AMI deployments	Quarterly	Q3 2012	#	0	n/a	n/a	0	n/a	0%	n/a	n/a	n/a	
34	Community Outreach	# of customer communication methods deployed	# of publications distributed or other communication vehicles deployed by type	Count of number of items	# of publications distributed or other communication vehicles deployed by type	Quarterly	Q1 2012	#	1	n/a	n/a	1	n/a	0%	n/a	n/a	n/a	