SmartMeter[™] Steering Committee Update – June 2011

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- Monthly Updates
 - Release Status Update
 - Deployment Status Update
 - ► Schedule Update
 - Deployment Update
 - Budget Status Expenditures by Workstream
 - **Budget Status Benefits**
 - Issues / Risks Summary
 - Program Metrics
- Appendix
 - Project Deployment Plan Progress
 - Contingency Reconciliation
 - ► SmartMeter[™] Acronyms



Release Status Update

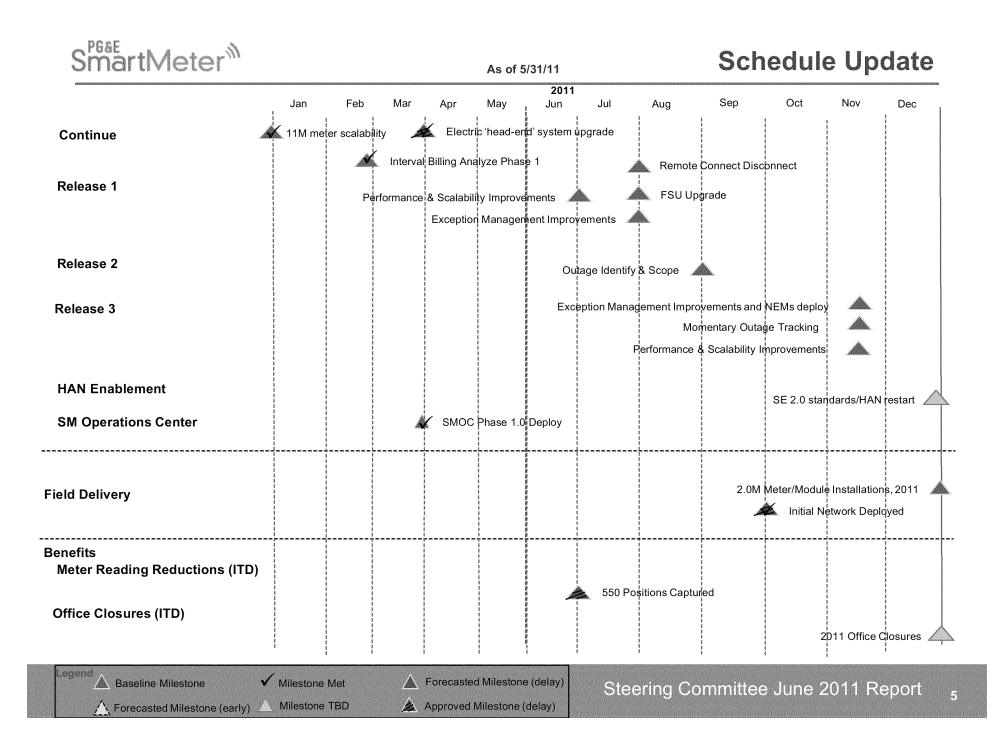
	EAC	Funded Budget*	ITD	Scope	Schedule	Resources	Issues	Risks
IT Releases, May 30, 2011								
Release 1								
Release 2								
Release 3								
Overall			Actio	ons/Status				
Overall IT continues to execute against the Reconstruct effort. HAN enableme roadmaps are in progress.			6	- ases are beir	ng worked in pa , build, testing a		ent work underw	ay.
Release 1 – Provide Remote Conr office and exception management performance & scalability improver	for interval bill		 Hard Schranal 	elopment activ Iware and infr edule impact o ysis.		ware installati -end system u	on nearing com upgrade version	
<u>Release 2</u> – Completion of the inte existing Outage systems. This inclu "Restoration" and meter ping capa	udes using the		;", Fun	ctional Design	and build activ ent: Septembe		ay.	
<u>Release 3</u> – Improvements to meter Deployment, Scalability improvement tracking of momentary outages.		-		ctional Design	activities unde ent: November	÷		
process. Projec initial phases. (cts that are noted as "PI	t of funding that has been appro an/Analyze" or "Analyze" are on Analyze phase, the release tear lete the Release	ily partially funded th	rough those	Steering C	ommittee	June 2011	Report :

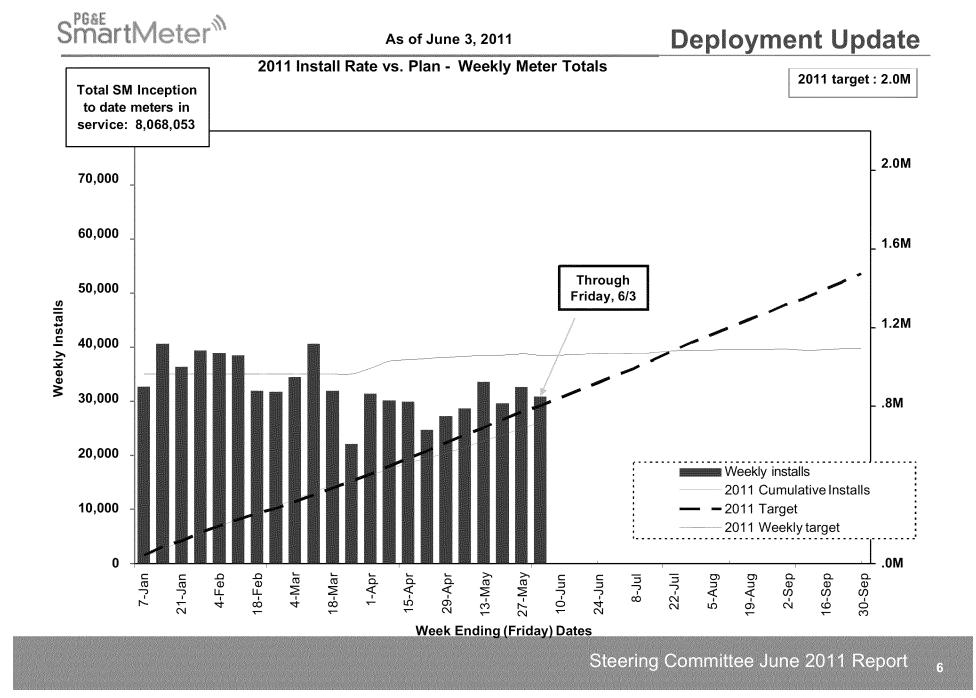
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Deployment Status Update

	EAC	2011 Forecast (2011 EOY / CPI)	Scope	Schedule	Resources	lssues	Risks
Deployment: May, 2011							
Endpoints (2011 YTD)							
Gas Network (2011 YTD)							
Electric Network (2011 YTD)							

Challenges	Actions/Status
 Endpoints Targets based on original deployment schedule to complete 2 million meter installations in 2011. Increased rate of installation contractor 'Unable-To-Complete' due to non-standard meter installations in heavy urban areas and access refusals. Cost-per-install higher than planned due to resource mix. 	 Endpoints Meeting with installation contractor to identify additional work and add resources. Executing urban customer access, non-standard installation and customer outreach processes.
 <u>Electric Network</u> Scope of remaining supplemental designs is currently unknown. Changes to the final network design drive inefficiencies in deployment. Increase in complex installation types required. Network completion dependent on endpoint installation completion. 	 <u>Electric Network</u> Working with technology supplier internal stakeholders to improve the way network is designed which will improve efficiency.
 <u>Gas Network</u> Complex/costly initial DCU installations remaining. Changes to the final network design drive inefficiencies in deployment. Network completion dependent on endpoint installation completion. 	 <u>Gas Network</u> Working with technology supplier and Engineering to ensure necessity of new pole set and complex installations. Working with Gas Remediation teams to determine final supplemental designs for DCUs to maximize installation efficiencies. Prioritization of network installation devices.





SmartMeter[®] 2011 Budget Status – Expenditures by Workstream

		Curr	ent Month - N	lay	Yea	ir to Date - Ma	ıy	Annual	Inception to	
#	Work Stream	Budget	Actual	Variance	Budget	Actual	Variance	Budget	Date Actual	#
	A. Capital (000s)									
1	BUSINESS OPERATIONS (PMO)	\$279	\$159	\$120	\$1,694	\$1,142	\$552	\$3,833	\$47,470	1
2	SM OPERATIONS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,305	2
3	SM FIELD DELIVERY	\$10,529	\$8,797	\$1,731	\$47,692	\$39,190	\$8,501	\$116,594	\$350,447	3
4	SM SOLUTIONS	\$4,353	\$3,817	\$537	\$27,595	\$27,124	\$471	\$72,168	\$957,881	4
5	IT	\$2,317	\$1,635	\$682	\$11,744	\$11,232	\$513	\$27,038	\$355,768	5
6	Capital Total:	\$17,478	\$14,409	\$3,070	\$88,725	\$78,688	\$10,037	\$219,633	\$1,722,872	6
	B. Expense (000s)									
7	BUSINESS OPERATIONS (PMO)	\$268	\$148	\$121	\$1,621	\$580	\$1,041	\$3,164	\$25,396	7
8	SM OPERATIONS	\$245	\$395	(\$151)	\$1,654	\$1,263	\$391	\$2,730	\$56,890	8
9	SM CHANGE MANAGEMENT	\$466	\$426	\$40	\$2,357	\$1,757	\$600	\$5,043	\$14,335	9
10	CUSTOMER	\$2,930	\$3,022	(\$92)	\$20,985	\$12,730	\$8,255	\$36,766	\$81,398	10
11	SM FIELD DELIVERY	\$295	\$117	\$178	\$1,142	\$2,009	(\$867)	\$2,117	\$17,253	11
12	SM SOLUTIONS	\$287	\$776	(\$489)	\$8,984	\$13,649	(\$4,665)	\$8,981	\$65,419	12
13	IT	\$918	\$264	\$655	\$2,274	\$1,023	\$1,251	\$5,946	\$131,868	13
14	Expense Total:	\$5,409	\$5,148	\$261	\$39,017	\$33,012	\$6,005	\$64,747	\$392,559	14
	C. Total: Capital + Expense (000s)									
15	BUSINESS OPERATIONS (PMO)	\$548	\$307	\$241	\$3,315	\$1,722	\$1,594	\$6,997	\$72,866	15
16	SM OPERATIONS	\$245	\$395	(\$151)	\$1,654	\$1,263	\$391	\$2,730	\$68,195	16
17	SM CHANGE MANAGEMENT	\$466	\$426	\$40	\$2,357	\$1,757	\$600	\$5,043	\$14,335	17
18	CUSTOMER	\$2,930	\$3,022	(\$92)	\$20,985	\$12,730	\$8,255	\$36,766	\$81,398	18
19	SM FIELD DELIVERY	\$10,824	\$8,914	\$1,910	\$48,833	\$41,199	\$7,634	\$118,711	\$367,700	19
20	SM SOLUTIONS	\$4,640	\$4,593	\$47	\$36,580	\$40,773	(\$4,194)	\$81,150	\$1,023,300	20
21	IT	\$3,235	\$1,899	\$1,336	\$14,018	\$12,255	\$1,763	\$32,983	\$487,636	21
22	Capital + Expense Total:	\$22,888	\$19,556	\$3,331	\$127,742	\$111,700	\$16,042	\$284,380	\$2,115,431	22

Year-to-Date Variance Explanations:

Favorable YTD capital variance (\$10.0M) primarily due to fewer meter/module installations (#3).

Favorable YTD expense variance (\$6.0M) due to timing associated with: 1) underruns in Customer of \$8.3M (#10) and four additional workstreams totaling \$3.3M (#7, #8, #9 and #13), partially offset by a greater number of 1st generation SmartMeterTM early retirements and reclass from capital to expense than planned for Q1 (#12).

SmartMeter[™]

2011 Budget Status – Benefits

SmartMeter Balancing Account (SBA) Credits *

								Ad	:tual											Preli	ninary F	oreca	ast				
#	(\$ in thousands)	:	2007	2	008	2009	2010		Jan	Feb	Mar	Apr	N	May	Jun		Jul		Aug		Sep		Oct	Nov	Dec	ITE) Actual
1	Activated Meter Benefits	: \$	111	\$	4,705	\$ 26,055	\$ 56,313	\$	1,884	\$ 1,939	\$ 1,977	\$ 2,035	\$	2,072	\$ 2,1	66	\$ 2,2	36	\$ 2,404	\$	2,534	\$	2,667	\$ 2,795	\$ 2,989	\$	97,090
2	Mainframe License Benefits	:_\$	1,250	\$	5,000	\$ 5,000	\$ 5,000	\$	-	\$	\$ -	\$ -	\$	-	\$.		\$-	1	\$-	\$	-	\$	-	\$	\$ -	\$	16,250
3	Total	: \$	1,361	\$	9,705	\$ 31,055	\$ 61,313	\$	1,884	\$ 1,939	\$ 1,977	\$ 2,035	\$	2,072	\$ 2,1	66	\$ 2,2	36	\$ 2,404	\$	2,534	\$	2,667	\$ 2,795	\$ 2,989	\$	113,340
4	2011 Cumulative Actual + Forecast	:						\$	1,884	\$ 3,823	\$ 5,800	\$ 7,835	\$	9,907	\$ 12,0	73	\$ 14,3	59	\$ 16,762	\$	19,297	\$	21,964	\$ 24,759	\$ 27,748		

2011 Benefits, Budget vs. Actual and Forecast **

	(\$ in thousands)	•	lan	Feb	Mar		Apr		Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Budgeted Benefits:															
5	Monthly	\$ \$	2,112	\$ 2,236	\$ 2,28	37 \$	2,372	2 \$	2,398	\$ 2,429	\$ 2,552	\$ 2,636	\$ 2,730	\$ 2,822	\$ 2,907	\$ 3,057
6	Cumulative	\$ \$	2,112	\$ 4,349	\$ 6,63	36 \$	9,008	\$	11,406	\$ 13,834	\$ 16,387	\$ 19,023	\$ 21,753	\$ 24,575	\$ 27,481	\$ 30,538
	Actual / Current Forecast:															
7	Monthly	\$ \$	2,543	\$ 2,581	\$ 2,13	35 \$	2,523	3\$	2,669	\$ 2,420	\$ 2,471	\$ 2,517	\$ 2,572	\$ 2,622	\$ 2,666	\$ 2,767
8	Cumulative	\$ \$	2,543	\$ 5,124	\$ 7,25	59 \$	9,782	2 \$	12,451	\$ 14,871	\$ 17,342	\$ 19,859	\$ 22,431	\$ 25,053	\$ 27,719	\$ 30,486
9	YTD Variance	\$ \$	431	\$ 775	\$ 62	23 \$	774	\$	1,045	\$ 1,036	\$ 955	\$ 836	\$ 678	\$ 478	\$ 237	\$ (53)

* 2011 SmartMeter Balancing Account (SBA) actual and forecast credits assumes the GRC Settlement of \$0.92 electric / \$0.02 gas activated meter-month savings and the discontinuation of mainframe license savings already captured in the 2008 base year results

** 2011 benefits, budget versus actual and forecast, do not include meter reading costs and benefits which are being recorded in the Meter Reading Memorandum Account beginning on January 1, 2011.

Target Resolution Date	Issues	Impact	Status Summary
Ongoing	Increasing number of installations affected by access refusals	Increased costs, increase in unable to complete (UTC) back- log, customer change management	Working plan to engage customers across multiple communication channels to enhance customer understanding of SmartMeter [™] journey and benefits. Customer option to temporarily delay SM upgrade being offered.
Ongoing	Meter defect affecting approximately 1,600 residential electric accounts. These meters occasionally run fast in a narrow band of high temperatures.	Inaccurate bills for the affected accounts.	All affected meters have been replaced at no cost to the customers. Full refunds of over-billed amounts with interest are being issued to affected customers, along with a \$25 inconvenience payment. Customers are also being offered a free in-home energy audit.

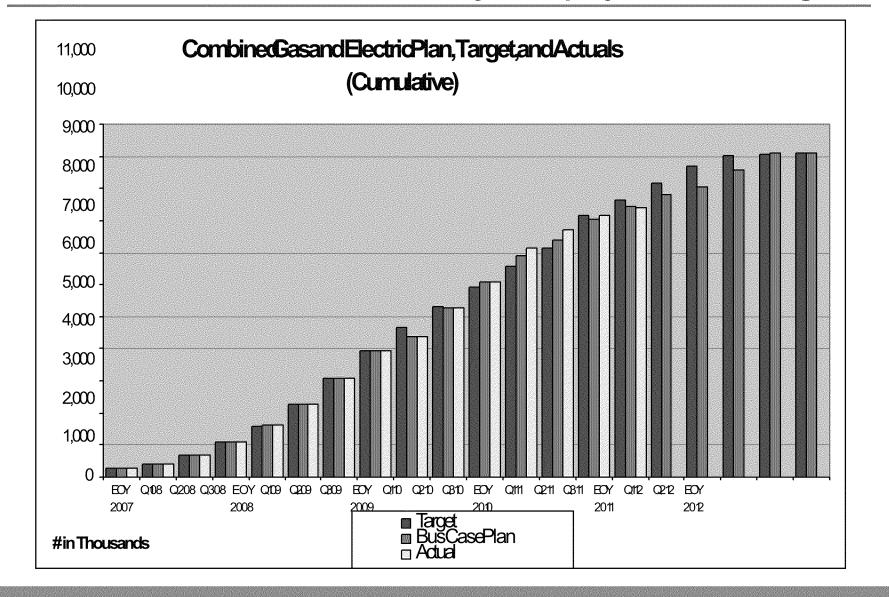
#	Created On	Ρ	Т	Score	Prev. Score	Risks	Impact	Status Summary	Assoc. Issue
1	3/22/2010	3	4	12	12	SmartMeter supplier product and services cannot meet the deployment schedule. Key drivers: Remaining vendor development activities and resources to complete solutions, insufficient lead time for procurement due to design changes/schedule decisions.	Deployment slow/stand down, resource planning ability, and additional costs.	Management of supplier delivery timelines subject to ongoing joint project and vendor leadership review. Focus on remaining deployment dependencies being used to validate integration of vendor product deliveries. Finalization of network design/equipment mix to complete network deployment in process with vendors.	
2	4/4/2008	3	5	15	15	Business processes enabled by new technology may not perform as intended. Key driver: Increased data volume and validation, underlying business processes.	Billing errors, customer complaints, inability to meet endpoint deployment goals.	Continuing to monitor technology performance and identifying mitigations to resolve any identified technology performance issues. Meter transition process checks updated to include new integrated standards with Vendor for validating Network design, meter connectivity and read performance. Planning for Full –Deployment/Interval Billing via functionality deployments and additional process capability initiatives through 2011 underway.	

Program Metrics

Metric	Key Performance Indicator	Apr '11 Actual	Month Results Target Var	May '11 Actual	Month Results Target Var	Actual	YTD Target Var	2011 Yea Forecast	ar End Forecast Target Var	Variance Analysis
P1	SM Earnings Contribution (\$M - estimated)	\$ 5.9	\$ 5.8 1.7%	\$ 5.9	\$ 5.8 2.4%	29.3	28.6 2.4%	\$ 71.5	\$ 70.8 1.0%	
P2	OSHA Recordable Rate (YTD)	-	0.51	-	0.51			-	0.51	
P3	MVI Recordable Rate (YTD)	1.37	0.98	1.94	1.00			0.98	0.98	1 MVI reported in May, total 2 MVIs in 2011
C1	Customers enrolled in SmartRate (net)	23,437	(track only)	23,185	(track only)					
C10	Customer Complaint Rate (escalated to CPUC)	0.042%	(track only)	0.054%	(track only)	0.046%	(track only)			
D1	Meters/Modules Installed - Electric & Gas	122,600	165,200 -25,8%	128,800	165,200 -22:0%	696,100	779,400 -10.7%	1,600,000	2,000,000 -20:0%	See Deployment status update on page 4
D2	Gas Network - DCUs Installed	38	70 -45.7%	3	46 -93.5%	76	151 -49.7%	193	617 -68.7%	Same as above
D3	Electric Network - Nodes Installed	195	293 -33,4%	114	388 -70.6%	834	1,356 -38.5%	1,910	4,417 ~56.8%	Same as above
D5	UTC Rate	13.9%	5.0% 178,0%	10.9%	5.0% 118.0%	9.0%	5.0% 80.0%	9.0%	5.0% 80.0%	See access issue on page 9
D7	UTCs open beyond 90 days	163,904	(track only)	167,352	(track only)					
D8	CPI - Endpoints	\$54.07	\$44.17 22:4%	\$53.60	\$44.17 21.3%	\$44.52	\$44.17 0.8%	\$44.17	\$44.17 0.0%	See Deployment status update on page 4
D12	CPI Gas Network	\$2,176	\$1,505 44.6%	\$1,866	\$1,505 24.0%	\$2,529	\$1,505 68.0%	\$2,557	\$1,505 -69.9%	Same as above
D13	CPI Electric Network	\$3,045	\$1,371 \$22.1%	\$4,583	\$1,371 234.3%	\$2,793	\$1,371 103.7%	\$2,148	\$1,371 -56.7%	Same as above
D14	Total Weeks of Inventory on Hand - Electric Meters	17	8 112.5%	12	8 53.8%					
D15	Total Weeks of Inventory on Hand - Gas Modules	34	8 325.0%	21	8 158.0%					
04	Transition Aging - Average Days	153	(track only)	153	(track only)	129	(track only)			
O5	SM Billing accuracy % (SA)	99.93%	99.85% 0.1%	99.90%	99.85% 0.1%	99.89%	99.88% 0.0%	99.88%	99.88% 0.0%	
06	SM Billing timeliness % (SA)	99.79%	99.75% 0.0%	99.87%	99.75% Q.1%	99.85%	99.79% 0.1%	99.79%	99.79% 0.0%	
07	SM % Bills not estimated (BSEGs)	99.93%	99.90% 0.0%	99.92%	99.90% 0.0%	99.90%	99.90% 0.0%	99.90%	99.90% 0.0%	
B2	Meters Activated - Electric & Gas (end of month)	73,200	(track only)	66,756	(track only)	489,141	(track only)			
В3	Remote Disconnect & Reconnect Transactions	25,210	(track only)	28,743	(track only)	121,596	(track only)			
В5	ITD Meter Reading HC reductions	512	(track only)	514	(track only)					

- Combined Plan / Target / Actual Progress
- Contingency Reconciliation
- ► SmartMeter[™] Acronyms

Project Deployment Plan Progress



#s as of 05/31/11



SmartMeter™ Contingency Reconciliation	\$'000s
Business Case Approved Contingency	177,753
Total Approved Decision Requests Approved and Adopted by Steering Committee	177,753
Remaining Contingency	
Approved Project Decision Requests, by Approval Date	
2007	106,329
2008	32,240
2009	20,313
2010	18,871
	177,753

SmartMeter[™] Acronyms

	SmartMeter	Acronyms	
Acronym	Definition	Acronym	Definition
ABS	Advanced Billing System	MARA	My Account Re-Architecture
AFCI	Arc Fault Circuit Interrupter	MDMS	Meter Data Management System
AMI	Advanced Metering Infrastructure	MLPP	Meter Location Problem Project
AP	Access Point	MPSC	Meter Power Status Check
Apps	Applications	MV-90	Multi Vendor - 90
ASM	Automated Storage Management	MVI	Motor Vehicle Incidents
BDG	Business Development Group	NEMS	Net Energy Metering Services
CC&B	Customer Care and Billing	NIC	Network Interface Card
CEDSA	Centralized Electric Distribution System Assets	OIR	Order Instituting Rulemaking
CoE	Center of Excellence	OIS	Outage Information System
CPI	Cost Per Install	OMT	Outage Management Tools
CPUC	California Public Utilities Commission	Ops	Operations
DART	Distribution Asset Reconciliation Tool	OSHA	Occupational Safety and Health Administration
DC	Data Center	PCR	Project Change Request
DCU	Data Collector Unit	PCT	Programmable Communicating Thermostat
DR	Disaster Recovery	PDP	Peak Day Pricing
DRA	Division of Ratepayer Advocates	PDR	Project Decision Request
DSCI	Distribution Control Systems, Inc.	PE	Perfomance Engineering Company
EA	Ecologic Analytics	РМО	Project Management Office
EAC	Estimate at Completion	PTR	Peak Time Rebate
ED	Energy Division	QBR	Quarterly Business Review
EMR	Electric Meter Reader	RCDC2	Remote Disconnect Phase 2
ЕМТ	Electric Meter Technician	Rev.	Revision
EOM	End-of-Month	RF	Radio Frequency
EON	Emergency Outage Notification	RFA	Request For Authorization
EOY	End Of Year	RV	Restoration Validation
FA	Functional Area	SBA	SmartMeter Balancing Accounts
FD	Field Delivery	SM	SmartMeter
GE	General Electric Co.	SM Apps	SmartMeter Applications
GFI	Ground Fault Interrupter	SMU	SmartMeter Upgrade
HAN	Home Area Network	SR	Service Request
HC	Head Count	TBD	To Be Determined
HD	In-Home Devices		Technical Architechture
STS	Information Systems and Technology Services	TIC	Technology Innovation Center
Т	Information Technology	TLM	Transformer Load Management
TD	Inception To Date	TOU	Time Of Use
VR	Interactive Voice Response	UIQ	Utility IQ - SSN software
KC	Knowledge Center	UTC	Unable To Complete (meter installation)
KVAR	Kilo-Volts-Amps Reactive	YTD	Year-To-Date
LOB	Line of Business		