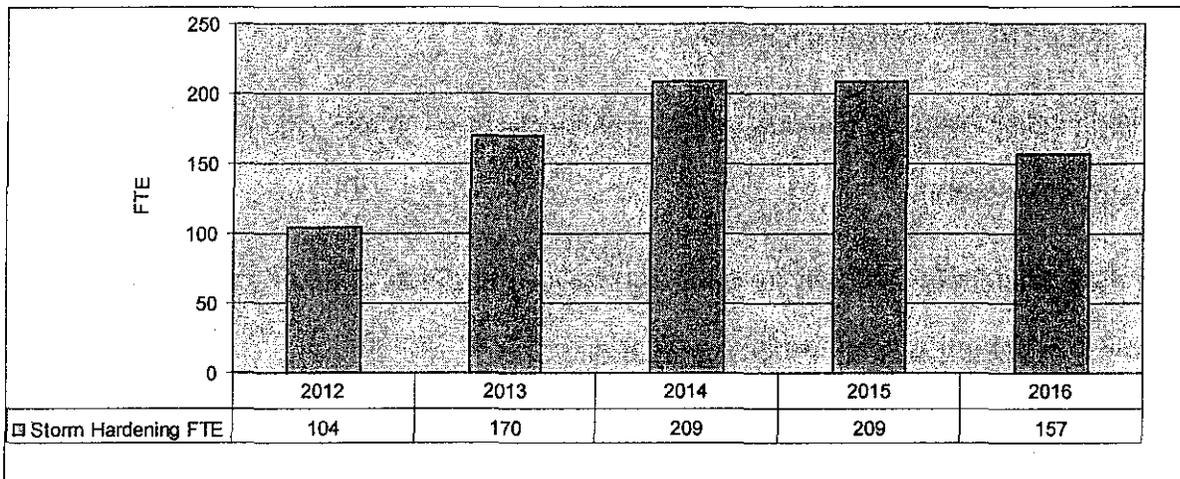


I.F.4: Program FTEs

Figure I.F.4 presents the estimated FTEs to perform the scheduled scope of work for the Storm Hardening program. FTEs have been calculated by taking the estimated worker-hours to execute the scope of work and dividing by 2,080. Job classifications may include, but are not limited to, engineers, technicians, work planners, finance support, safety support, scheduling support, legal support and craft.

FIGURE I.F.4: STORM HARDENING FTES



SECTION II: SMART GRID-RELATED INVESTMENTS

SECTION II.A: Distribution Automation

II.A.1: Program Scope

Distribution Automation (“DA”) technology uses “sectionalizing” devices and remote communications to detect issues on the distribution system and automatically re-route power, accordingly, to minimize the number of customers impacted. This is commonly referred to as the self-healing nature of the Smart Grid.

The ComEd DA technologies include:

- Field sectionalizing devices to detect and isolate faults at various segments of the distribution system;
- A radio system to remotely transmit and relay control functions and indicate the status of various system parameters; and
- The computer systems that control, operate, monitor and store the data for the DA system.

The DA program targets installing DA field devices, and also encompasses the replacement of the older 900.MHZ radio system with a new higher security system that meets newly-established government regulations. In addition, the older 34kV field devices will be upgraded to the newer Intelli-team (“IT-2”) software to allow for better flexibility with fault isolation and operation with the new radio system.

The DA program includes the planned installation of 2,600 new DA devices; upgrade of 780 34kV devices to the new IT-2 platform; and installation of approximately

5,000 new radios to upgrade the radio system to the new information security requirements.

II.A.2: Program Schedule

This program is planned to be completed over a five-year period plus reasonable ramp-up and ramp-down periods. Estimates of cost, and units of work, and schedules for that work, may evolve over time.

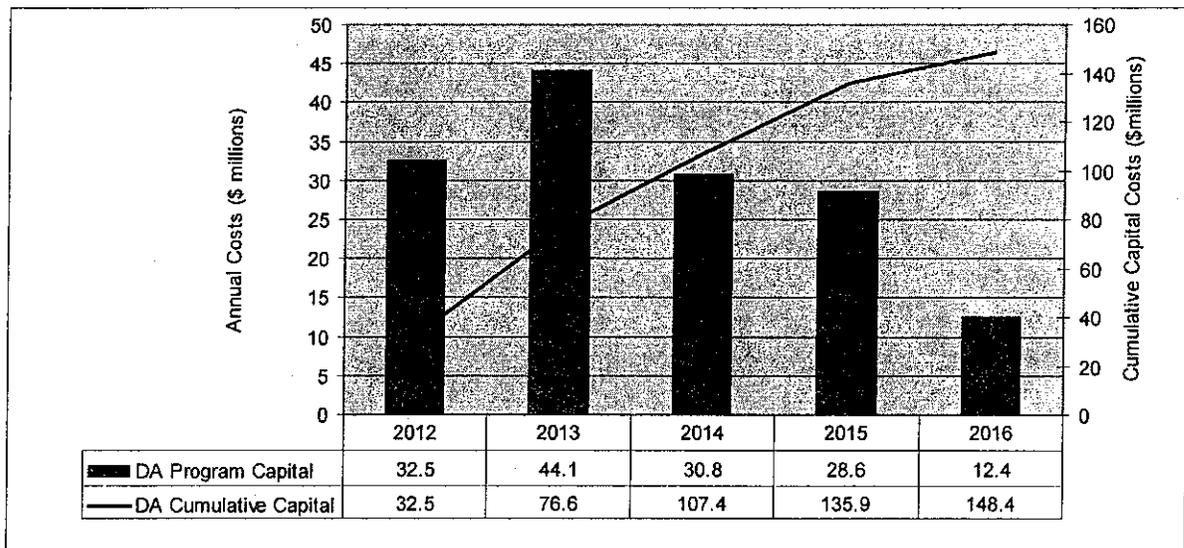
Figure II.A.2 presents the estimated schedule to complete the DA program. The schedule consists of essentially a rolling quarterly work plan consisting of the following key tasks:

- Ramp-up period
- Establish priority for the calendar year
- Perform scoping
- Perform design tasks, procure material, and identify required outages in schedule
- Planning (develop work packages and secure permits)
- Construction – install reclosers
- Construction – install radios, repeaters
- Test and liven
- Demobilization ramp-down period

II.A.3: Program Budget

Figure II.A.3 presents the estimated capital budget for the DA program. ComEd estimates the program cost to be capital investments of \$148 million, plus associated expenses, over the program period. Estimates of cost, units of work, and schedules for that work may evolve over time.

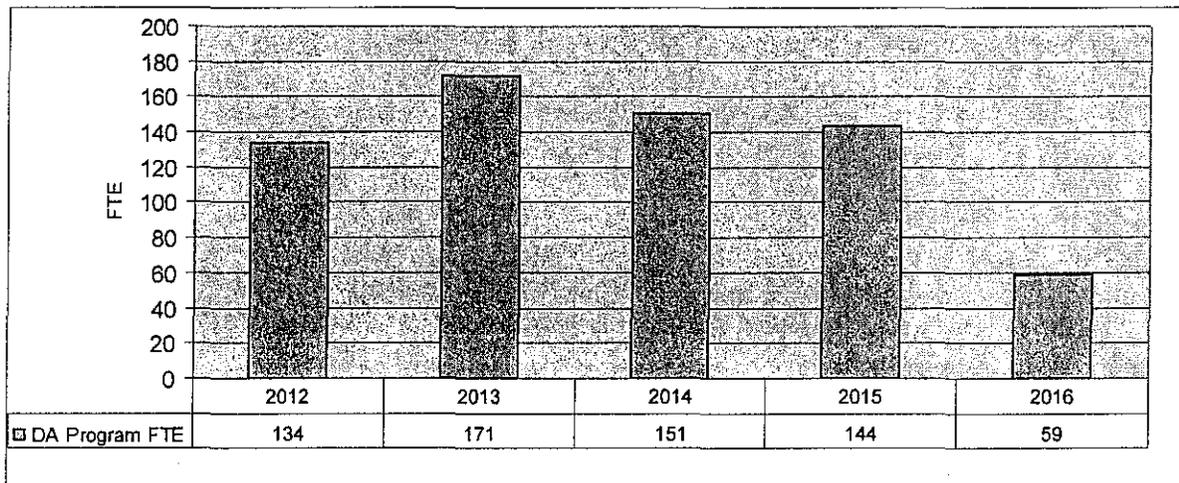
FIGURE II.A.3: DISTRIBUTION AUTOMATION CAPITAL BUDGET



II.A.4: Program FTEs

Figure II.A.4 presents the estimated FTEs required to perform the scheduled scope of work. FTEs have been calculated by taking the estimated worker-hours to execute the scope of work and dividing by 2,080. Job classifications may include, but are not limited to, engineers, technicians, work planners, finance support, safety support, scheduling support and craft.

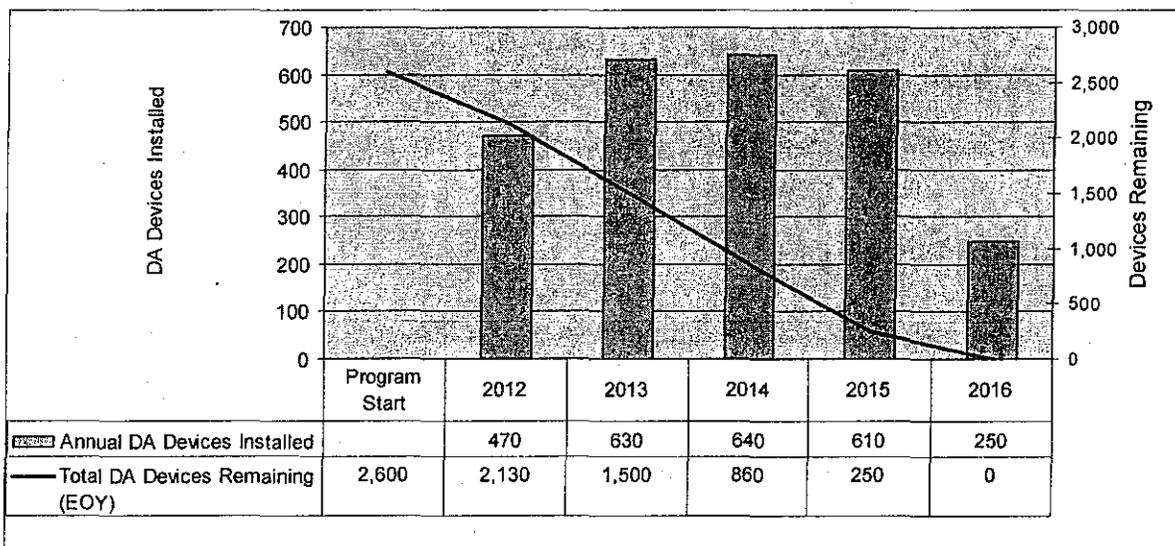
FIGURE II.A.4: DISTRIBUTION AUTOMATION FTES



II.A.5: Program Units

Figure II.A.5 shows the estimated quantity of DA devices to be installed. This chart will serve as a tracking mechanism over the course of the program, and reflects the scope of work planned to be accomplished each year, as well as the scope of work left to be performed. It is estimated that approximately 2,600 DA devices will be installed over the course of the program. Estimates of cost, units of work, and schedules for that work may evolve over time.

FIGURE II.A.5: DISTRIBUTION AUTOMATION UNITS



SECTION II.B: Substation Micro-Processor Relay Upgrades

II.B.1: Program Scope

This program is planned to modernize 10 ComEd substations, including upgrade of electro-mechanical protective relays to modern microprocessor-based devices, replacement of aging circuit breakers, enabling two-way communications between ComEd's control center and each substation, and installation of technology to remotely monitor the health of ComEd's largest assets, its transformers. This program provides for fault detection, remote asset monitoring, improved site security, and dynamic voltage regulation. Partial upgrades may be applied across the service territory. ComEd has over 250 transmission-fed substations, and over 800 substations in total.

II.B.2: Program Schedule

This program is planned to be completed over a five-year period plus reasonable ramp-up and ramp-down periods. Estimates of cost, units of work, and schedules for that work may evolve over time.

Figure II.B.2 presents the estimated schedule to complete the Substation Micro-Processor Relay Upgrade Program. The schedule is essentially a rolling quarterly work plan consisting of the following key tasks:

- Ramp-up period
- Establish priority for the calendar year
- Perform scoping

- Perform design tasks, procure material, and identify required outages in schedule
- Relay and protection schemes
- Planning tasks
- Construction – install conduit, breakers, monitoring, micro-processor relays
- Test and liven
- Demobilization ramp-down period

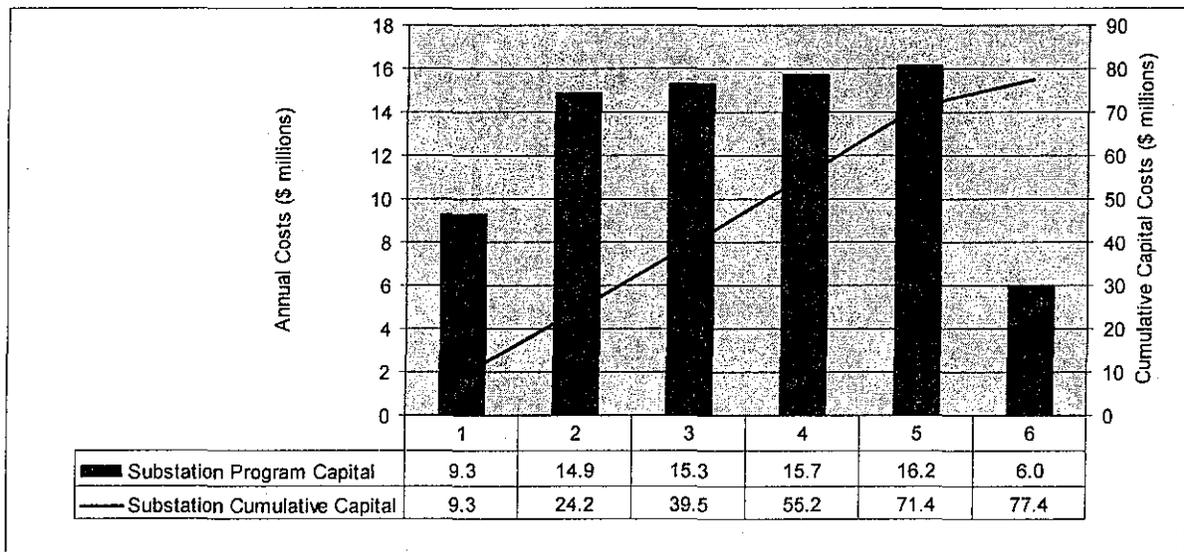
Activity ID	Activity Name	Cal. Start Days	Finish	2012		2013		2014		2015		2016		OT
				Q	Q	Q	Q	Q	Q	Q	Q			
IS1-12-1-3118	Non-Outage Rebuild Work - Intel Sub #7	32	01-Jun-15											
IS1-12-1-3120	Schedule 2016 Distribution Bus Outages	9	29-Jun-15											
IS1-12-1-3130	Procure Long Lead Items - Intel Sub #8	8	24-Jun-15											
IS1-12-1-3140	Issue & Review Construction Drawings - Intel Sub #8	26	20-Aug-15											
IS1-12-1-3150	Procure Long Lead Items - Intel Sub #9	8	24-Jun-15											
IS1-12-1-3160	Issue & Review Construction Drawings - Intel Sub #9	26	20-Aug-15											
IS1-12-1-3170	Bus Outage Related Work (Bus Relays, Trans Monitoring)	31	02-Sep-15											
IS1-12-1-3175	Bus Outage Related Work (Bus Relays, Trans Monitoring)	31	02-Sep-15											
IS1-12-1-3180	Final Wiring & Commissioning - Intel Sub #6	28	05-Dec-15											
IS1-12-1-3185	Final Wiring & Commissioning - Intel Sub #7	28	05-Dec-15											
IS1-12-1-3190	Develop Relay & SCADA Settings - Intel Sub #8	112	28-Sep-15											
IS1-12-1-3200	Develop Dashboard - Intel Sub #8	51	05-Nov-15											
IS1-12-1-3210	Develop Relay & SCADA Settings - Intel Sub #9	112	28-Sep-15											
IS1-12-1-3220	Develop Dashboard - Intel Sub #9	51	05-Nov-15											
IS1-12-1-4016	Mobilization - Intel Sub #8	12	05-Mar-16											
IS1-12-1-4018	Mobilization - Intel Sub #9	12	05-Mar-16											
IS1-12-1-4020	AQDC Panel Install - Intel Sub #8	47	05-Mar-16											
IS1-12-1-4022	AQDC Panel Install - Intel Sub #9	47	05-Mar-16											
IS1-12-1-4030	Develop Work Scope - Intel Sub #10	61	16-Jan-16											
IS1-12-1-4050	Schedule 2017 Transmission Outages	0	21-Mar-16											
IS1-12-1-4062	Remote Terminal Work - Intel Sub #8	5	01-May-16											
IS1-12-1-4065	Remote Terminal Work - Intel Sub #9	5	01-May-16											
IS1-12-1-4070	Transmission Line Outage Related Work - Intel Sub #8	33	01-May-16											
IS1-12-1-4075	Transmission Line Outage Related Work - Intel Sub #9	33	01-May-16											
IS1-12-1-4080	Design & Engineer - Intel Sub #10	71	31-Mar-16											
IS1-12-1-4100	Construction - Substation Outages Suspend	32	01-Jun-16											
IS1-12-1-4110	Non-Outage Rebuild Work - Intel Sub #8	32	01-Jun-16											
IS1-12-1-4115	Non-Outage Rebuild Work - Intel Sub #9	32	01-Jun-16											
IS1-12-1-4120	Schedule 2017 Distribution Bus Outages	0	23-Jun-16											
IS1-12-1-4130	Procure Long Lead Items - Intel Sub #10	8	24-Jun-16											
IS1-12-1-4140	Issue & Review Construction Drawings - Intel Sub #10	26	20-Aug-16											
IS1-12-1-4170	Bus Outage Related Work (Bus Relays, Trans Monitoring)	31	02-Sep-16											
IS1-12-1-4175	Bus Outage Related Work (Bus Relays, Trans Monitoring)	31	02-Sep-16											
IS1-12-1-4180	Final Wiring & Commissioning - Intel Sub #8	28	05-Dec-16											
IS1-12-1-4185	Final Wiring & Commissioning - Intel Sub #9	28	05-Dec-16											
IS1-12-1-4190	Develop Relay & SCADA Settings - Intel Sub #10	112	28-Sep-16											
IS1-12-1-4200	Develop Dashboard - Intel Sub #10	51	05-Nov-16											
IS1-12-1-5010	Mobilization - Intel Sub #10	12	05-Mar-17											
IS1-12-1-5020	AQDC Panel Install - Intel Sub #10	47	05-Mar-17											
IS1-12-1-5060	Remote Terminal Work - Intel Sub #10	5	30-Apr-17											
IS1-12-1-5070	Transmission Line Outage Related Work - Intel Sub #10	33	30-Apr-17											
IS1-12-1-5100	Construction - Substation Outages Suspend	32	01-Jun-17											
IS1-12-1-5110	Non-Outage Rebuild Work - Intel Sub #10	32	01-Jun-17											
IS1-12-1-5170	Bus Outage Related Work (Bus Relays, Trans Monitoring)	31	02-Sep-17											
IS1-12-1-5180	Final Wiring & Commissioning - Intel Sub #10	28	05-Dec-17											
IS1-12-1-5190	Demobilization Ramp Down	38	05-Dec-17											

II.B.3: Program Budget

Figure II.B.3 presents the estimated capital budget for the Substation Micro-Processor Relay Upgrade program. ComEd estimates the program cost to be capital investments of \$77 million, plus associated expenses, over the program period.

Estimates of cost, units of work, and schedules for that work may evolve over time.

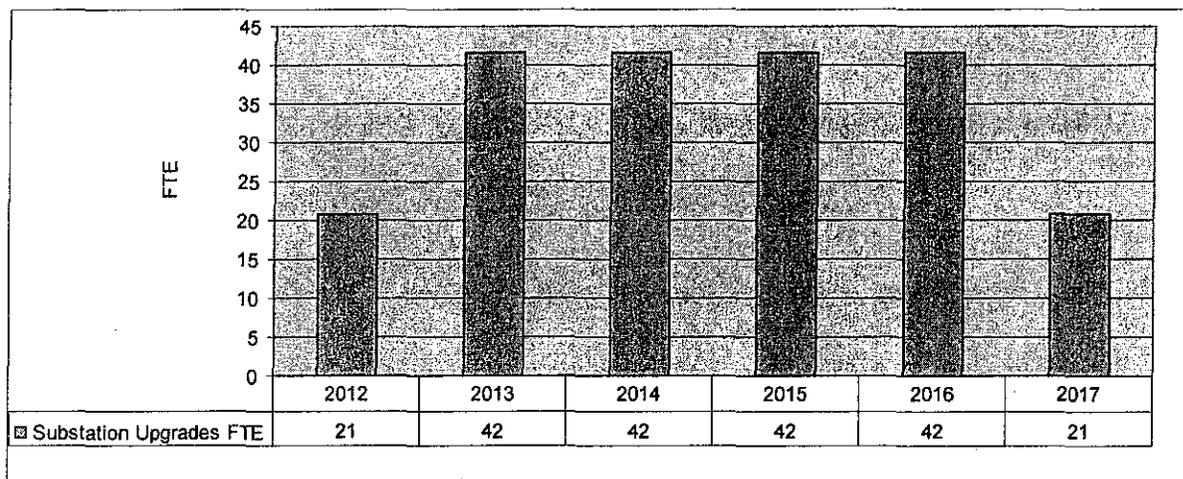
FIGURE II.B.3: SUBSTATION MICRO-PROCESSOR RELAY UPGRADE CAPITAL BUDGET



II.B.4: Program FTEs

Figure II.B.4 presents the estimated FTEs required to perform the scheduled scope of work. FTEs have been calculated by taking the estimated worker-hours to execute the scope of work and dividing by 2,080. Job classifications may include, but are not limited to, engineers, technicians, work planners, finance support, safety support, scheduling support and craft.

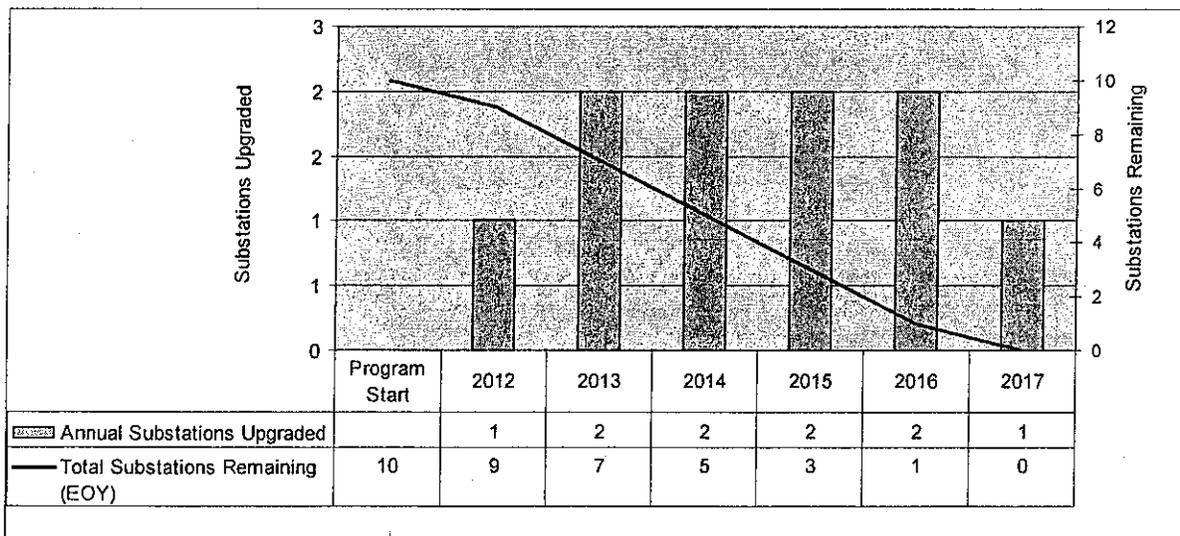
FIGURE II.B.4: SUBSTATION MICRO-PROCESSOR RELAY UPGRADES FTES



II.B.5: Program Units

Figure II.B.5 shows the estimated quantity of substation upgrades to be completed. This chart will serve as a tracking mechanism over the course of the program, and reflects the scope of work planned to be accomplished each year as well as the scope of work left to be performed. An estimated 10 substations will be upgraded over the course of the program. Partial upgrades may be applied across the service territory. Estimates of cost, units of work, and schedules for that work may evolve over time.

FIGURE II.B.5: SUBSTATION MICRO-PROCESSOR RELAY UPGRADES UNITS



SECTION II.C: Smart Meters

II.C.1: Program Scope

ComEd will install retail Smart Meters across its entire service territory over a 10-year period. Deployment of Smart Meters will occur pursuant to the Advanced Metering Infrastructure Deployment Plan ("AMI Plan") to be filed with the Commission no later than April 23, 2012. Prior to ComEd's filing, ComEd will review its proposed AMI Plan with the Smart Grid Advisory Council.

Although the AMI Plan remains under development, in general ComEd expects at this time that Smart Meter installs pursuant to the AMI Plan will be completed in 2021. Preparatory activities began in the 4th quarter of 2011 and included planning for workshops.

Any Smart Meter deployment, including that which ComEd expects to propose, necessarily has both one-time implementation costs as well as ongoing expenses to monitor and maintain the technologies and network for communicating with these meters. The one-time costs include the equipment (e.g., meters, network devices, telecommunication infrastructure), labor (e.g., meters and network device installation, network design, systems design and integration, project management), and computer hardware and software. (Of course, at the end of the equipment's lifespan it will need replacement, but these costs are "one time" for purposes of the deployment and the AMI Plan.) The ongoing expense to maintain and operate the Smart Meter network and systems is primarily composed of additional employees in Customer Operations and Information Technology ("IT") to monitor and maintain the systems, network and meters

as well as ongoing AMI vendor fees to provide services with the operating software, systems and network.

In addition, the project scope includes the transformational redesign of the customer service processes (and others like outage management) to fully leverage the capabilities of the technology and deliver added benefits to customers. Given the extensive scope, the process redesign part of the project will last three to five years and involves the operating, IT, and other support organizations. For example, one of the first work streams will involve the replacement of the meter data management system. This work stream alone is expected to take approximately one year.

Finally, the scope includes initial and on-going customer experience activities in order to maximize the customer's positive experience with the installation, educate customers on the features and functions of the solution, proactively address general customer issues, and minimize the impact of customer-specific issues.

Subject to the outcome of the AMI Plan development and approval process, ComEd expects to install approximately 130,000 meters during 2012 and, thereafter, an average of 443,000 meters per year through 2021.

II.C.2: Program Schedule

This program is planned to be completed over a 10-year period including reasonable ramp-up and ramp-down periods. Estimates of cost, units of work, and schedules for that work may evolve over time.

Figure II.C.2 presents the estimated schedule to complete the Smart Meter program.

The schedule consists of tasks that are essentially repeated for each of ComEd's operating regions, including the following:

- Ramp-up period
- Establish priority for the calendar year
- Perform scoping
- Install communications network (repeaters, collectors, backhaul)
- Complete meter exchanges
- Demobilization ramp-down period

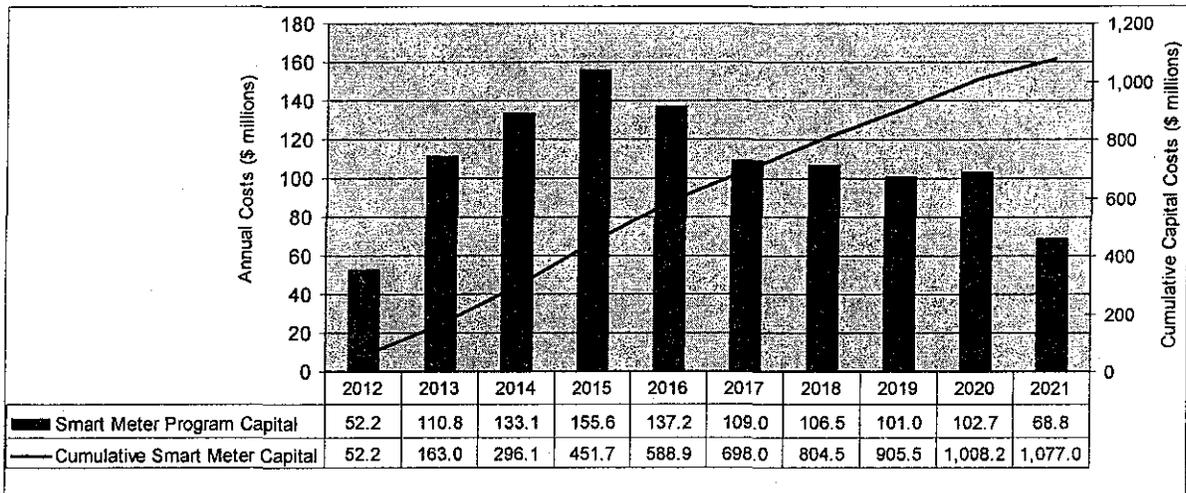
FIGURE II.C.2: SMART METER SCHEDULE

Confed Infrastructure Investment Plan		2004	01-Jan-12	24-Dec-21
AA0001	Smart Meter	1	01-Jan-12	24-Dec-21
AA0002	Smart Meter	2	01-Jan-12	24-Dec-21
AA0003	Smart Meter	3	01-Jan-12	24-Dec-21
AA0004	Smart Meter	4	01-Jan-12	24-Dec-21
AA0005	Smart Meter	5	01-Jan-12	24-Dec-21
AA0006	Smart Meter	6	01-Jan-12	24-Dec-21
AA0007	Smart Meter	7	01-Jan-12	24-Dec-21
AA0008	Smart Meter	8	01-Jan-12	24-Dec-21
AA0009	Smart Meter	9	01-Jan-12	24-Dec-21
AA0010	Smart Meter	10	01-Jan-12	24-Dec-21
AA0011	Smart Meter	11	01-Jan-12	24-Dec-21
AA0012	Smart Meter	12	01-Jan-12	24-Dec-21
AA0013	Smart Meter	13	01-Jan-12	24-Dec-21
AA0014	Smart Meter	14	01-Jan-12	24-Dec-21
AA0015	Smart Meter	15	01-Jan-12	24-Dec-21
AA0016	Smart Meter	16	01-Jan-12	24-Dec-21
AA0017	Smart Meter	17	01-Jan-12	24-Dec-21
AA0018	Smart Meter	18	01-Jan-12	24-Dec-21
AA0019	Smart Meter	19	01-Jan-12	24-Dec-21
AA0020	Smart Meter	20	01-Jan-12	24-Dec-21
AA0021	Smart Meter	21	01-Jan-12	24-Dec-21
AA0022	Smart Meter	22	01-Jan-12	24-Dec-21
AA0023	Smart Meter	23	01-Jan-12	24-Dec-21
AA0024	Smart Meter	24	01-Jan-12	24-Dec-21
AA0025	Smart Meter	25	01-Jan-12	24-Dec-21
AA0026	Smart Meter	26	01-Jan-12	24-Dec-21
AA0027	Smart Meter	27	01-Jan-12	24-Dec-21
AA0028	Smart Meter	28	01-Jan-12	24-Dec-21
AA0029	Smart Meter	29	01-Jan-12	24-Dec-21
AA0030	Smart Meter	30	01-Jan-12	24-Dec-21
AA0031	Smart Meter	31	01-Jan-12	24-Dec-21
AA0032	Smart Meter	32	01-Jan-12	24-Dec-21
AA0033	Smart Meter	33	01-Jan-12	24-Dec-21
AA0034	Smart Meter	34	01-Jan-12	24-Dec-21
AA0035	Smart Meter	35	01-Jan-12	24-Dec-21
AA0036	Smart Meter	36	01-Jan-12	24-Dec-21
AA0037	Smart Meter	37	01-Jan-12	24-Dec-21
AA0038	Smart Meter	38	01-Jan-12	24-Dec-21
AA0039	Smart Meter	39	01-Jan-12	24-Dec-21
AA0040	Smart Meter	40	01-Jan-12	24-Dec-21
AA0041	Smart Meter	41	01-Jan-12	24-Dec-21
AA0042	Smart Meter	42	01-Jan-12	24-Dec-21
AA0043	Smart Meter	43	01-Jan-12	24-Dec-21
AA0044	Smart Meter	44	01-Jan-12	24-Dec-21
AA0045	Smart Meter	45	01-Jan-12	24-Dec-21
AA0046	Smart Meter	46	01-Jan-12	24-Dec-21
AA0047	Smart Meter	47	01-Jan-12	24-Dec-21
AA0048	Smart Meter	48	01-Jan-12	24-Dec-21
AA0049	Smart Meter	49	01-Jan-12	24-Dec-21
AA0050	Smart Meter	50	01-Jan-12	24-Dec-21
AA0051	Smart Meter	51	01-Jan-12	24-Dec-21
AA0052	Smart Meter	52	01-Jan-12	24-Dec-21
AA0053	Smart Meter	53	01-Jan-12	24-Dec-21
AA0054	Smart Meter	54	01-Jan-12	24-Dec-21
AA0055	Smart Meter	55	01-Jan-12	24-Dec-21
AA0056	Smart Meter	56	01-Jan-12	24-Dec-21
AA0057	Smart Meter	57	01-Jan-12	24-Dec-21
AA0058	Smart Meter	58	01-Jan-12	24-Dec-21
AA0059	Smart Meter	59	01-Jan-12	24-Dec-21
AA0060	Smart Meter	60	01-Jan-12	24-Dec-21
AA0061	Smart Meter	61	01-Jan-12	24-Dec-21
AA0062	Smart Meter	62	01-Jan-12	24-Dec-21
AA0063	Smart Meter	63	01-Jan-12	24-Dec-21
AA0064	Smart Meter	64	01-Jan-12	24-Dec-21
AA0065	Smart Meter	65	01-Jan-12	24-Dec-21
AA0066	Smart Meter	66	01-Jan-12	24-Dec-21
AA0067	Smart Meter	67	01-Jan-12	24-Dec-21
AA0068	Smart Meter	68	01-Jan-12	24-Dec-21
AA0069	Smart Meter	69	01-Jan-12	24-Dec-21
AA0070	Smart Meter	70	01-Jan-12	24-Dec-21
AA0071	Smart Meter	71	01-Jan-12	24-Dec-21
AA0072	Smart Meter	72	01-Jan-12	24-Dec-21
AA0073	Smart Meter	73	01-Jan-12	24-Dec-21
AA0074	Smart Meter	74	01-Jan-12	24-Dec-21
AA0075	Smart Meter	75	01-Jan-12	24-Dec-21
AA0076	Smart Meter	76	01-Jan-12	24-Dec-21
AA0077	Smart Meter	77	01-Jan-12	24-Dec-21
AA0078	Smart Meter	78	01-Jan-12	24-Dec-21
AA0079	Smart Meter	79	01-Jan-12	24-Dec-21
AA0080	Smart Meter	80	01-Jan-12	24-Dec-21
AA0081	Smart Meter	81	01-Jan-12	24-Dec-21
AA0082	Smart Meter	82	01-Jan-12	24-Dec-21
AA0083	Smart Meter	83	01-Jan-12	24-Dec-21
AA0084	Smart Meter	84	01-Jan-12	24-Dec-21
AA0085	Smart Meter	85	01-Jan-12	24-Dec-21
AA0086	Smart Meter	86	01-Jan-12	24-Dec-21
AA0087	Smart Meter	87	01-Jan-12	24-Dec-21
AA0088	Smart Meter	88	01-Jan-12	24-Dec-21
AA0089	Smart Meter	89	01-Jan-12	24-Dec-21
AA0090	Smart Meter	90	01-Jan-12	24-Dec-21
AA0091	Smart Meter	91	01-Jan-12	24-Dec-21
AA0092	Smart Meter	92	01-Jan-12	24-Dec-21
AA0093	Smart Meter	93	01-Jan-12	24-Dec-21
AA0094	Smart Meter	94	01-Jan-12	24-Dec-21
AA0095	Smart Meter	95	01-Jan-12	24-Dec-21
AA0096	Smart Meter	96	01-Jan-12	24-Dec-21
AA0097	Smart Meter	97	01-Jan-12	24-Dec-21
AA0098	Smart Meter	98	01-Jan-12	24-Dec-21
AA0099	Smart Meter	99	01-Jan-12	24-Dec-21
AA0100	Smart Meter	100	01-Jan-12	24-Dec-21

II.C.3: Program Budget

Figure II.C.3 presents the preliminary capital budget for the Smart Meter program. All work associated with the program will be covered by this budget. ComEd estimates the program cost to be capital investments of \$1.08 billion, plus associated expenses, over the program period. Estimates of cost, units of work, and schedules for that work may evolve over time.

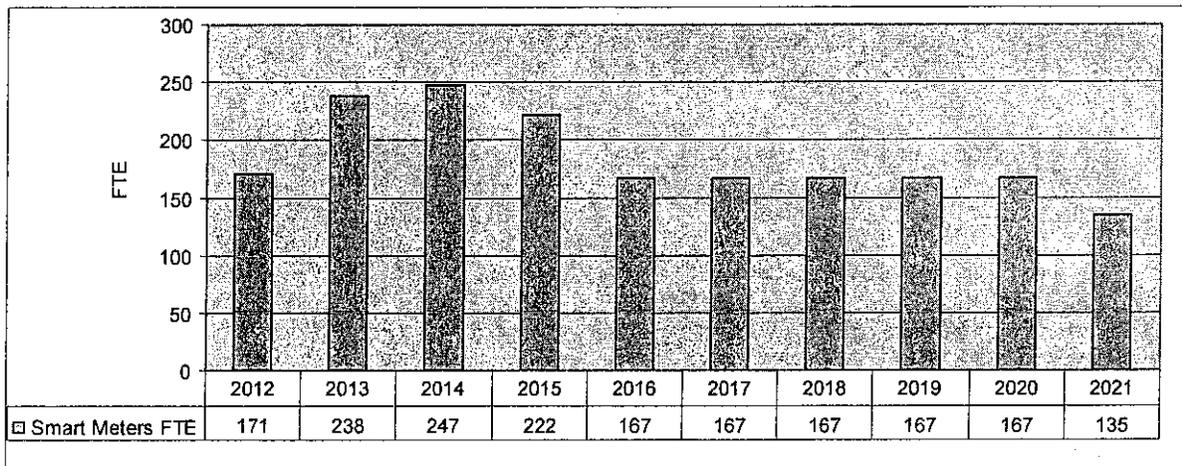
FIGURE II.C.3: PRELIMINARY SMART METER CAPITAL BUDGET



II.C.4: Program FTEs

Figure II.C.4 presents the preliminary estimated FTEs required to perform the scheduled scope of work. FTEs have been calculated by taking the estimated worker-hours to execute the scope of work and dividing by 2,080. Job classifications may include, but are not limited to, project management, business analysts, technicians, work planners, IT company and contractor professionals, safety support, scheduling support, legal support and physical and clerical craft.

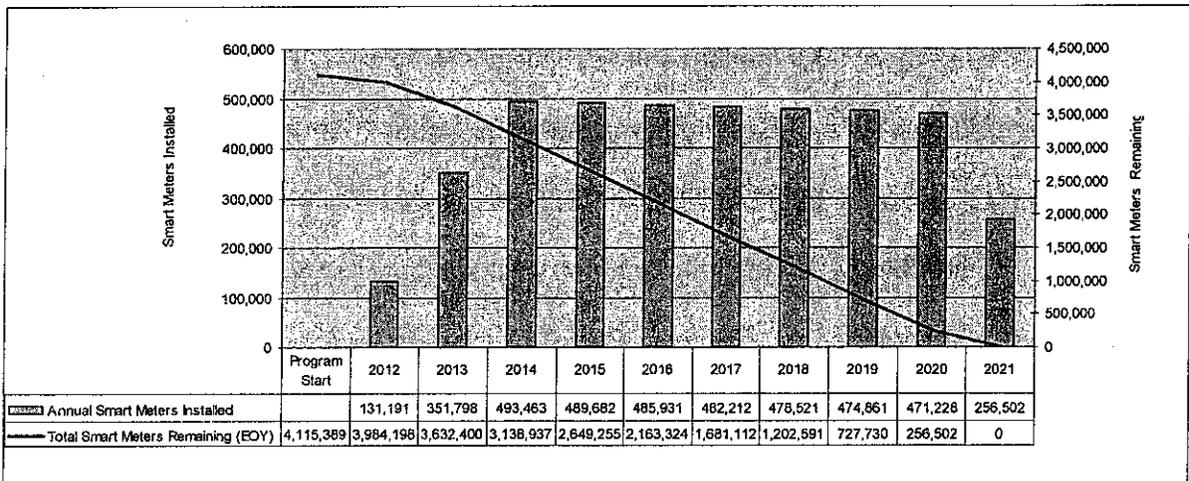
FIGURE II.C.4: PRELIMINARY SMART METER FTES



II.C.5: Program Units

Figure II.C.5 shows the preliminary estimated quantity of Smart Meters to be installed. This chart reflects the scope of work currently planned to be accomplished each year, as well as the scope of work left to be performed. These estimates are subject to revision in the AMI plan, as filed and approved by the Commission. An estimated 4.1 million Smart Meters will have been installed by the end of the program.

FIGURE II.C.5: PRELIMINARY SMART METER UNITS



SECTION II.D. Associated Cyber Secure Data Communications Network

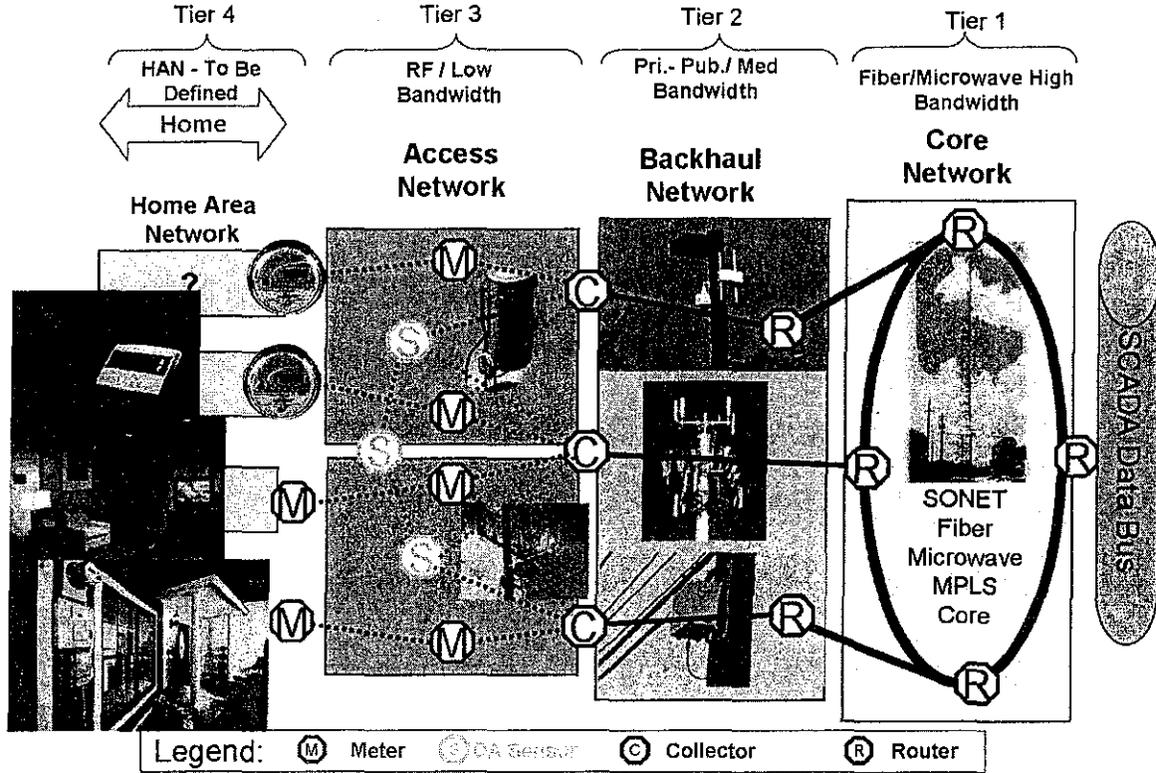
Communications infrastructure forms the foundation platform for enabling Smart Grid technologies and applications because it transcends each functional area of the Smart Grid. Consequently, the ComEd Smart Grid Communications Infrastructure will provide a secure tiered, robust and deterministic communications architecture with adequate capacity to meet the current and foreseeable future performance requirements of the Smart Grid Application portfolio.

A cyber-secure communications infrastructure is a system that includes and implements a robust security model that is aligned with industry best practices and existing security standards (such as NISTIR 7628 developed by the National Institute of Standards and Technology). The security model will address confidentiality, integrity, availability and non-repudiation of data transport through the network.

Figure II.D depicts the high-level architecture for the four tiers of the proposed ComEd communication network that would support Smart Grid communication.

FIGURE II.D: SMART GRID COMMUNICATION TIERS

Smart Grid Communication Tiers



Appendix A: Full-Time Equivalent Jobs

Requirements from 220 ILCS 5/16-108.5

As defined in Section 16-108.5(b) of the Act, ComEd will demonstrate that at least 2,000 full-time equivalent jobs in Illinois were created in a "peak program year," which is defined as the consecutive 12-month period with the highest number of full-time equivalent ("FTE") jobs that occurs between January 1, 2013 and December 31, 2015. These jobs will include direct jobs, contractor positions, and induced jobs. A

portion of the FTE jobs created will include incremental personnel hired subsequent to the effective date of Section 16-108.5.

Reporting Schedule

ComEd will submit a report no later than April 1 of each year that includes any updates to the Plan. Such reports will include the number of FTE jobs created for the prior calendar year and cumulatively.

Further, ComEd will report no later than 45 days after the last day of the first, second and third quarter of each year, which equates to the dates of May 15, August 14 and November 14 of each year, a verified quarterly report for the prior quarter including:

1. Total number of FTE jobs created during the prior quarter;
2. Total number of employees as of the last day of the prior quarter;
3. Total number of FTE hours in each job classification or job title; and
4. Total number of incremental employees and contractors in support of the investments included in this Plan for the prior quarter.

The quarterly reporting will not include induced full time equivalent jobs.

Definition of Full-Time Equivalent (FTE)

The full-time equivalent ("FTE") metric is a calculation used to convert full-time, temporary and part-time jobs into comparable metrics. Full-time equivalent (FTE) employment is a standard concept used by the Department of Energy and other government agencies which follows the general formula:

Total Number of Hours Worked and Funded by the Plan within the Annual Period

Annual Hours in a Full-time Schedule

Total Number of Hours Worked and Funded within the Annual Period:

In order to perform the calculation, ComEd has estimated the total worker-hours in support of the Plan on an annual basis. Estimated worker-hours are composed primarily of:

1. Worker-hours charged directly to work orders associated with specific scopes of work; and
2. Worker-hours charged on timesheets in support of the Plan

Worker-hours charged on timesheets in support of the Plan have been allocated to the specific scopes of work proportionally, based on the estimated worker-hours charged to work orders for specific scopes of work.

Job classifications may include but are not limited to engineers, technicians, work planners, finance support, safety support, scheduling support, legal support and craft.

Annual Hours in a Full Time Schedule:

For ComEd, the full-time hours for an annual period are 2,080 (52 weeks per year * 40 hours per week). This same calculation will be applied on a quarterly basis for the purpose of reporting requirements.

However, FTEs are not defined as employee 'head counts' and should not be confused with employment levels and trends. This is because the 2,080 hours number used in the denominator includes compensable hours for approved time off such as

vacation time, holidays, sick leave, jury duty and other approved time off, and does not just represent hours available to work in support of the Plan.

For this reason, in addition to the calculation above, and in order to provide a more accurate estimate of employment levels that result from work in support of the Plan. ComEd will also report Full Time Equivalent Jobs on a quarterly basis using the following formula:

$$\frac{\text{Total Number of Hours Worked and Funded by the Plan within Reporting Quarter for ComEd and its affiliates}}{\text{Quarterly Hours available for work in a ComEd Full-time Schedule}} + \frac{\text{Total Number of Hours Worked and Funded by the Plan within Reporting Quarter for Contractors}}{\text{Quarterly Hours available for work in a Contractor Full-time Schedule}}$$

The numerator calculation is the same as above.

Quarterly Hours available for work in a ComEd full-time schedule is defined as 260 days in a year minus 13 paid holidays, 20 days average vacation, 3 average sick days, and 4 average other days (jury duty, funeral leave, etc.) for a net of 220 days per year. This value is then converted to a number of quarterly hours using the following formula:

$$(220 \text{ days} * 8 \text{ hours per day}) / 4 \text{ quarters per year} = 440 \text{ hours per quarter}$$

Quarterly Hours available for work in a contractor full-time schedule is defined as 2,000 hours in a year divided by 4 quarters per year.

Definition of FTE Job Categories

- Direct jobs includes employees of ComEd and its affiliates
- Contractor positions of ComEd or its affiliates includes non-employees, for example staff augmentation, project labor, outsourcing, consulting, physical craft contractors, clerical/administrative contractors, and construction of training facilities
- Induced jobs means jobs that are econometrically estimated using a statistical “jobs multiplier” of quarterly capital spending by program over time under this Plan.

Induced jobs essentially account for the multiplier effects of direct and contractor jobs created, and is a function of such jobs. FTEs described above in each sub-part of the Plan, however, do not include induced jobs.

FTE Job Examples

Figure A.1 presents an example of total FTE jobs by year based on 2,080 full-time hours for an annual period. This example includes the total estimated FTEs to execute the scheduled scope of work associated with the Plan, plus an assumed 40 percent multiplier for induced FTEs. Figure A.1 is included for illustrative purposes only, and is not intended to be a demonstration of ComEd’s peak program year FTE job commitment. The actual estimate of induced FTEs to be used in calculating ComEd’s peak program year FTE jobs will be econometrically estimated by a third party using a statistical “jobs multiplier” of capital spending by program over time under this Plan.

FIGURE A.1: FTE JOB EXAMPLE USING 2,080 ANNUAL HOURS

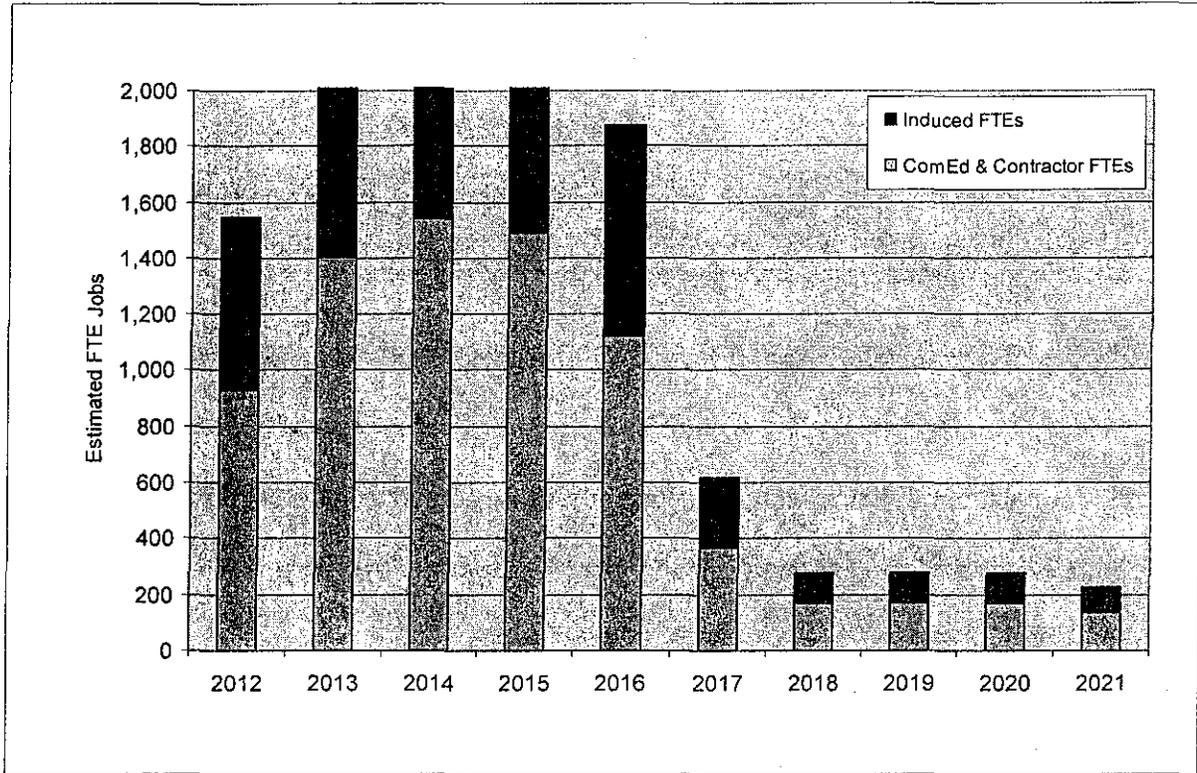
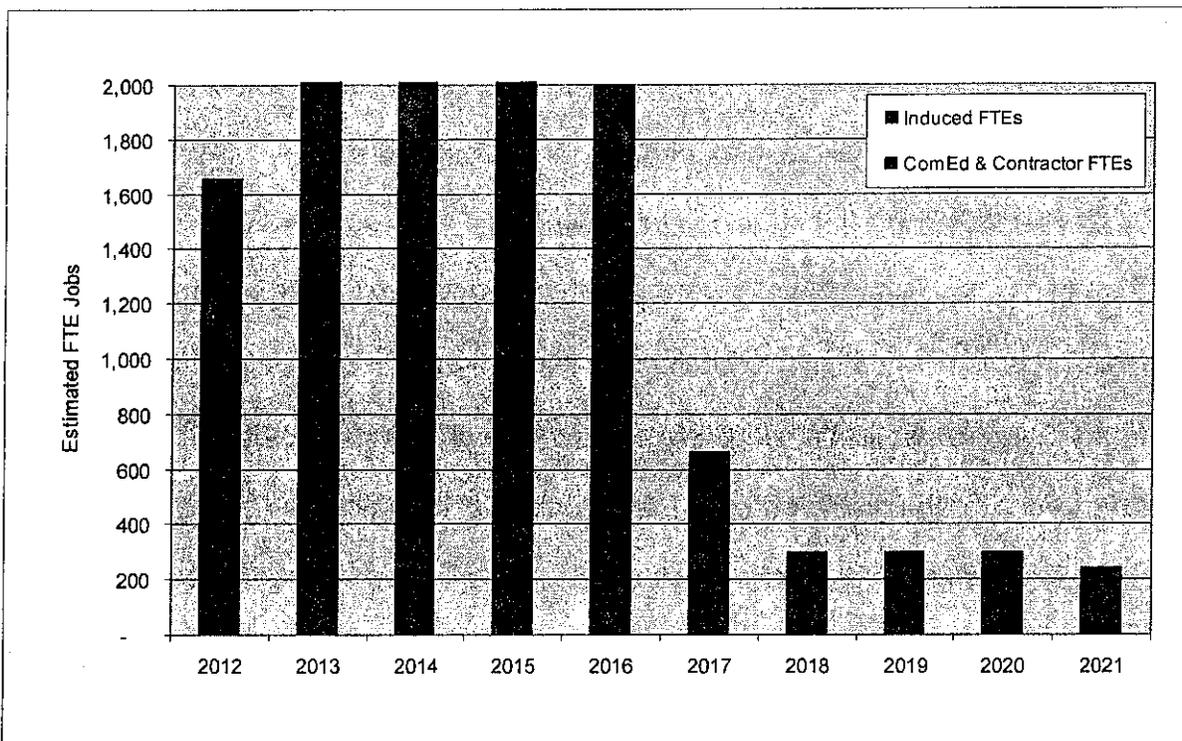


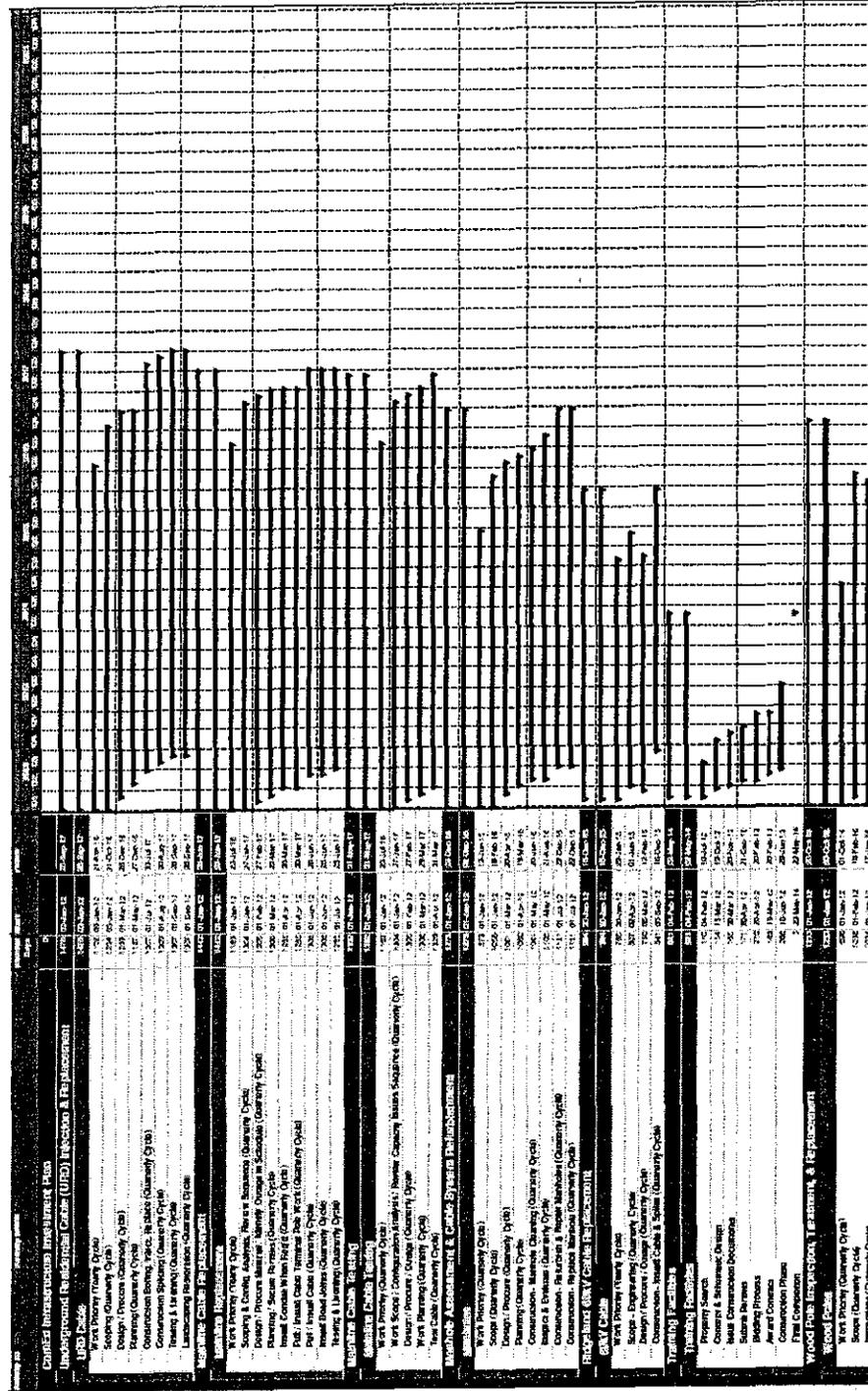
Figure A.2 presents an example of total FTE jobs by year based on a calculation of FTE jobs for an annual period using available hours, which accounts for compensable hours for approved time off. In this example, ComEd FTEs are calculated based on 1,760 hours per annual period, and contractor FTEs are calculated based on 2,000 hours per annual period, as described in the preceding section. This example includes the total estimated FTEs to execute the scheduled scope of work associated with the Plan, plus an assumed 40 percent multiplier for induced FTEs. Figure A.2 is included for illustrative purposes only, and is not intended to be a demonstration of ComEd's peak program year FTE jobs commitment. The actual estimate of induced FTEs to be used in calculating ComEd's peak program year FTE jobs will be econometrically estimated by a third party using a statistical "jobs multiplier" of capital spending by program over time under this Plan.

FIGURE A.2: FTE JOB EXAMPLE USING AVAILABLE ANNUAL HOURS



Appendix B: Summary-Level Plan Information

FIGURE B.1: PLAN SUMMARY SCHEDULE



As required by Section 16-108.5(b), the total estimated \$2.6 billion of cumulative capital investment under this Plan will be incremental to ComEd's total annual capital investment program, as defined in Section 16-108.5(b). That is, over the term of the Plan, ComEd will invest an estimated cumulative total of \$2.6 billion more capital than a capital investment program that invested at an annual rate defined by ComEd's average capital spend for calendar years 2008, 2009, and 2010, as reported in ComEd's applicable Federal Energy Regulatory Commission ("FERC") Form 1s. Table B.1 presents a summary of the Plan's estimated total capital budget by program, and Figure B.2 presents the estimated total capital budget by year associated with the Plan.

TABLE B.1: SUMMARY OF PLAN 10-YEAR CAPITAL COSTS BY PROGRAM

Program	Capital Total (\$M)
<i>URD Injection and Replacement Program</i>	\$586
<i>Mainline Cable System Refurbishment and Replacement Program</i>	\$447
<i>Ridgeland 69kV Cable Program</i>	\$28
<i>Training Facilities Program</i>	\$10
<i>Wood Pole Program</i>	\$43
<i>Storm Hardening Program</i>	\$200
Total Reliability-Related Investments	\$1,313
<i>Distribution Automation Program</i>	\$148
<i>Substation Micro-Processor Relay Upgrade Program</i>	\$77
<i>Smart Meter Program (10-year)</i>	\$1,077
Total Smart Grid Related Investments	\$1,303
Total Plan Investments	\$2,616

FIGURE B.2: PLAN 10-YEAR CAPITAL COSTS

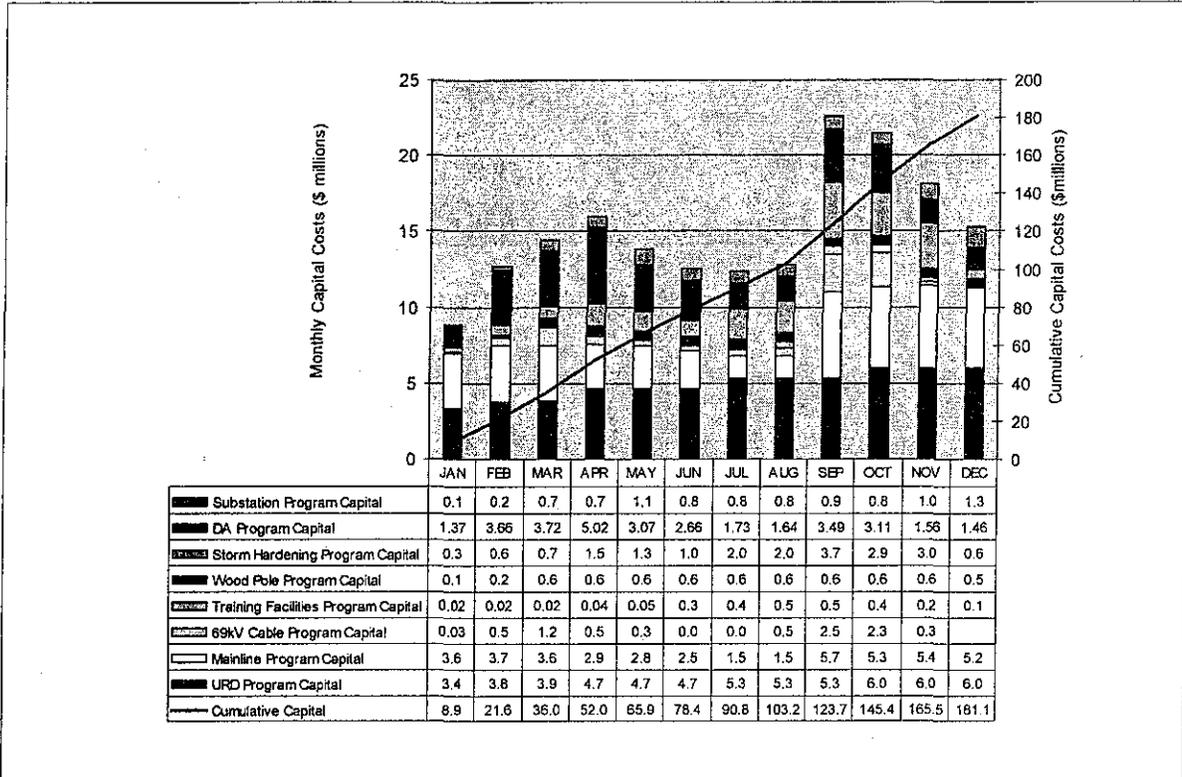
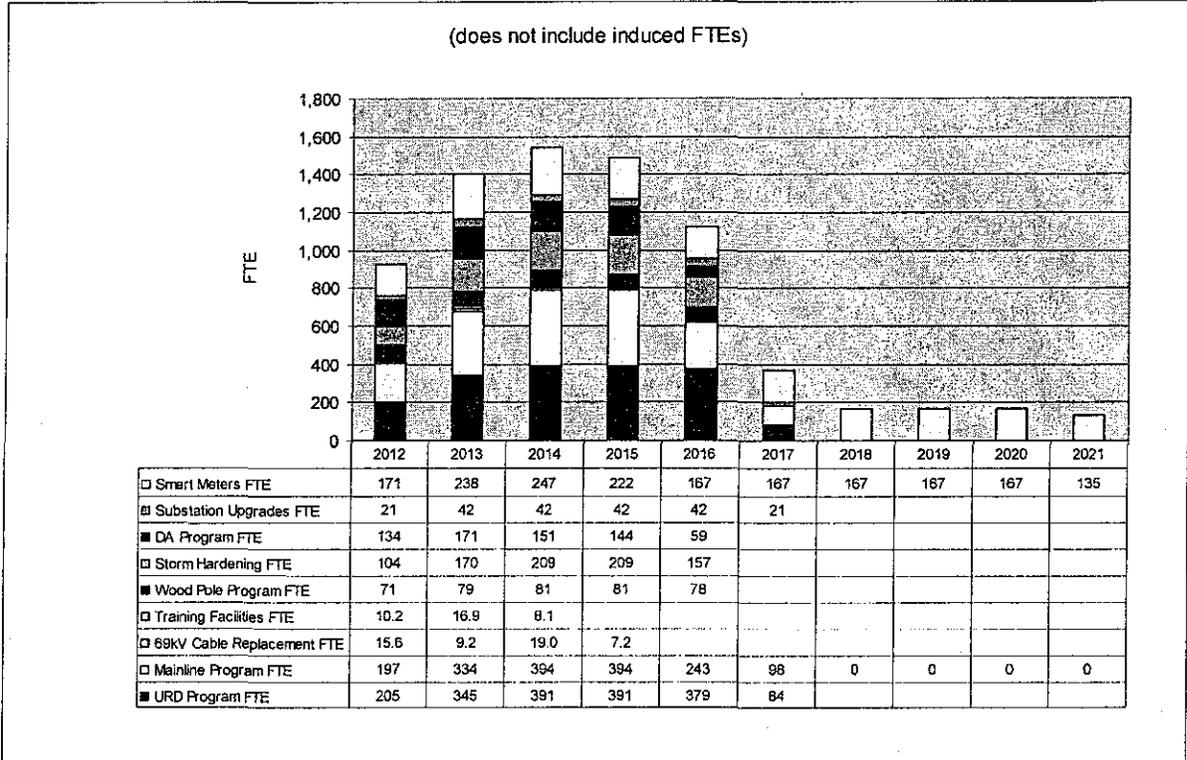


Figure B.3 presents the total estimated FTEs to execute the scheduled scope of work associated with the Plan. The estimated FTEs shown in Figure B.3 do not, however, include any induced FTEs.

FIGURE B.3: PLAN 10-YEAR FTEs



Attachments

Attachment 1: Smart Grid Test Bed Plan

Attachment 2: 2012 Infrastructure Investment Plan