

Commonwealth Edison Company
 LARGE PLANT ADDITIONS TO PLANT IN SERVICE SINCE THE LAST FORMULA RATE UPDATE AND REVENUE REQUIREMENT RECONCILIATION

Line No.	Description of Addition (A)	Project Start Date ⁽¹⁾ (B)	Project Completion Date (C)	Completion Cost (millions of Dollars) (D)	Reason for the Project (E)	Alternatives Considered and Reasons for Rejecting Each (F)	List of Reports Relied Upon by Management when Deciding to Pursue the Addition (G)
1	Enterprise Asset Management ("EAM") Upgrade ITN 48926	10/2013	9/2015 ⁽²⁾	\$9.8	PassPort Release 10, the current platform for work management, scheduling, assessment management, supply chain, and accounts payable is past end of life and needed to be upgraded	Alt 1: Wait for the next version of Passport (Asset Suite 9), which at the time was scheduled to be available in 2014 or 2015 but consequently was not released and delayed. Alt 2: Do nothing and wait for the next version of Passport to be fully tested before implementing in 2017 Alt 3: Implement mixed EAM (Asset Suite 8 for generation & Maximo for Utilities) Alt 1 was rejected as the alternative software did not have a release date and it required ComEd to be an early adopter of an untested product Alt 2 was rejected as it delayed benefits associated with EAM standardization; delayed synergy achievement until beyond 2021; existing IT infrastructure must run beyond 2021 Alt 3 was rejected because it was the highest cost to implement due to change impact, data transformation to utilities, and lack of synergies due to different support models	- PowerPoint (4/28/15): Project Authorization Overview - PowerPoint (7/31/14): Project Authorization Overview - PowerPoint (8/23/13): Project Authorization Overview
2	TSS111 EJ Dist Conduit North ITN 47648	2/2012	6/2015 ⁽²⁾	\$7.6	In order for ComEd to fully utilize the installed transformer and maintain reliability, the conduit system is required to accommodate the new feeders at TSS111 to be served by the second transformer installed in 2013 and would circumvent obstacles such as IDOT roadways, railroads, Illinois Prairie Path and I-88 Tollway. This was also identified as a 2015 Summer Critical project and necessary to address overloads.	Alt 1: Install new DC near Butterfield Rd and the Prairie Path Alt 2: Replace two 20 MVA transformers with two 40 MVA transformers at TSS 56 North Aurora Alt 3: Do nothing Alt 1 was rejected because it cost more than the selected option and did not add any benefits. Alt 2 was rejected because it would not be in-service in time for 2015 summer critical commitments Alt 3 was rejected because the conduit was required to fully utilize the transformer previously installed and future feeders	- PowerPoint (5/29/14): Project Authorization Overview
3	Part 280 ITN 48320	9/2012	12/2015 ⁽²⁾	\$6.7	ICC Part 280 is a regulatory, mandated document that determines how utilities manage eligibility for service, deposits, billing, payments, refunds and disconnection of service. A joint utility committee discussed some of the perceived holes in Part 280 that hampered business operations and determined that four changes to Part 280 would improve operations. A petition was filed on April 4, 2005 as Docket 05-0237. - Final order effective 11/1/2014 with full compliance required by 5/1/2016	Alt 1: Do nothing Alt 2: Add automation of Multi-unit "Building Posting Project" ("BPP"), change management or other discretionary work Alt 1 was rejected because this is a regulatory project. At minimum, the Customer Billing System and all affected systems would require review to determine if ComEd is compliant with the new regulations. Part 280 regulations have been in revision since 2006, the rules have changed substantially, and meeting compliance requires major modifications to the Customer Billing System and integrated systems. If ComEd does not follow state regulations, there is a risk that fines could be imposed for violation of the code Alt 2 was rejected because BPP is Multi-unit Building Posting Project. Multi-unit premises have historically posed significant barriers to ComEd's Service Suspension Strategy, negatively impacting Bad Debt, Cash Collections, and priority meter maintenance commitments. The new ICC regulations under ICC Part 280 of the Illinois Public Utility Code define specific steps that must be followed to execute a disconnection in multi-unit buildings. The regulations require ComEd to issue and document notifications at specific time intervals and document the attempts to gain access, including specific measures taken and by whom. The manual process for multi-unit buildings is very tedious, inefficient and susceptible to human error, limiting the volume of cuts ComEd can complete	- PowerPoint (5/11/15): Project Authorization Overview - PowerPoint (10/31/14): Project Authorization Overview - PowerPoint (4/28/14): Project Authorization Overview
4	Lombard East Security Enhancement ITN 51096	7/2014	8/2015 ⁽²⁾	\$6.5	Project is required to comply with 18 CFR 40, Federal Energy Regulatory Commission Order 802, Physical Security Reliability Standard (Issued November 20, 2014) and comply with North American Electric Reliability Corporation CIP-014-1. Investments will maximize the safety, security, and reliability of ComEd's power distribution grid. These improvements will enhance ComEd's ability to physically secure its local power grid facilities in order to reliably provide the public with power in the event of ongoing threats.	Alt. 1: Do nothing Alt 1 was rejected because this project is required by regulatory guideline CIP-014-1. It is ComEd's responsibility to protect its operations	- PowerPoint (1/27/15): Project Authorization Overview - PowerPoint (8/18/14): Project Authorization Overview

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5	New 12kV Service for Customer ⁽⁵⁾ ITN 51253	7/2014	12/2016 ⁽³⁾	\$11.4 ⁽⁴⁾	This is new service for a customer who required additional load. Due to high estimated demand, additional capacity was required at TSS Bradley	Alt. 1: Do Nothing Alt. 2: Extend one 34kV line from TSS Bradley <i>Alt 1 was rejected because it was not feasible. ComEd is obligated to provide capacity in order to serve customer's load Alt 2 was declined by the customer because they wanted to retain 12kV service voltage to the property. Customer covered additional costs required for 12kV option</i>	- PowerPoint (7/31/15): Project Authorization Overview
6	RELOCATE 34KV L7347 ITN 51445	10/2014	6/2016 ⁽³⁾	\$10.4 ⁽⁴⁾	Project is focused at improving reliability system operability for customers fed by Line 7347 in Southern region	Alt 1: Reconstruction of existing route <i>Alt 1 was rejected because it would have involved significant wetland mitigation and construction obstacles due to access issues resulting in higher costs and reduced reliability benefit</i>	- PowerPoint (9/18/15): Project Authorization Overview - PowerPoint (3/31/15): Project Authorization Overview - PowerPoint (10/31/14): Project Authorization Overview
7	PD8R162700 34 kV N-1 Mornence ITN 50973	6/2014	6/2016 ⁽³⁾	\$9.8 ⁽⁴⁾	Provide additional switching solutions to correct low voltage and overload conditions on the 34kV lines during N-1 events. Provide redundancy for DCK Mornence and DCK North Mornence as well as providing the ability to add additional load. ComEd's Capacity Planning Dept confirmed the need to bring out a new 34kV line in the far southeast area by 5/2016 due to projected load	Alt. 1: Install new TSS South of Beecher with three new 34kV lines Alt. 2: Install an alternate route new 34kV line out of TSS70 <i>Alt 1 was rejected because it was not the least cost option and because of the lack of major load growth in the area Alt 2 was rejected because it was not the least cost option and had a greater risk of easement acquisitions</i>	- PowerPoint (11/9/15) Project Authorization Overview - PowerPoint (12/23/14) Project Authorization Overview
8	Customer Project ⁽⁵⁾ ITN 50016	12/2014	5/2016 ⁽³⁾	\$8.2 ⁽⁴⁾	This is a new business Customer request - Customer is requesting a single point of service off of the 138kV transmission system - This will require approximately 6 new steel poles, 4 switches, and an ESS on the customer's property	Alt. 1: Do nothing Alt. 2: Provide a 34kV service to the site <i>Alt 1 was rejected because it was not feasible. ComEd is obligated to provide capacity in order to serve customer's load Alt 2 was rejected because the utilization of the customer's equipment is not practical on the 34kV system</i>	- PowerPoint (3/31/15) Project Authorization Overview - PowerPoint (4/30/14) Project Authorization Overview
9	TSS115 Bedford Park TR77 Replacement ITN 50213	10/2014	6/2016 ⁽³⁾	\$6.5 ⁽⁴⁾	Project is required to replace a set of 63 year old single phase transformers to reduce outages and/or prevent catastrophic events	Alt. 1: Do nothing <i>Alt 1 was rejected due to the risk of potential reliability issues</i>	- PowerPoint (8/28/15) Project Authorization Overview - PowerPoint (5/19/15) Project Authorization Overview - PowerPoint (12/16/14) Project Authorization Overview

Notes:
 (1) Date project opened in accounting for planning purposes
 (2) Accounting in-service date
 (3) Estimated construction in-service date
 (4) Projected cost
 (5) Customer name redacted due to confidentiality