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July 29, 2016

VIA OVERNIGHT MAIL

Ms. Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120

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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

**Re: Implementation Plan of Duquesne Light Company for Electronic Data Exchange Working Group's Web Portal Working Group's Solution Framework for Historical Interval Usage and Billing Quality Interval Use
M-2009-2092655**

Dear Secretary Chiavetta:

Enclosed for filing on behalf of Duquesne Light Company ("Duquesne Light" or "Company") is the Web Portal Implementation Plan in compliance with the Pennsylvania Public Utility Commission's ("Commission") June 30, 2016 Final Order at Docket No. M-2009-2092655. As requested, the Implementation Plan addresses the functionality, schedule, associated costs, and cost recovery.

If you have any questions regarding the information in this filing, please feel free to contact me.

Respectfully Submitted,

Adrienne D. Kurtanich
Counsel, Regulatory

Enclosures

cc: Certificate of Service



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***EDC ACCESS PORTAL WPWG EDEWG
IMPLEMENTATION PLAN***

Docket No. M-2009-2092655

July 29, 2016

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1 Introduction

1.1 Purpose

The purpose of this Implementation Plan is to provide insight into the requirements for implementing the Web Portal Working Group ("WPWG") solution framework for the Electric Distribution Company ("EDC") Access Portal that allows Electric Generation Suppliers ("EGSs") to obtain Historical and Interval usage via secure web service.

1.2 System Overview

The system being used is called the EDC Access Portal. This portal allows EGSs or other authorized parties to request customer information as it pertains to historical and interval usage through a system-to-system secure file transfer protocol ("FTP") download or an on screen display of data. The primary design has been created for sharing of smart meter data that meets WPWG solution framework standards.

1.2.1 System Description

The system is intended to support EGSs and Conservation Service Providers ("CSPs") with a web hosted service.

The web portal is intended for licensed EGSs and customer-authorized third parties. The system is intended to provide the following:

- I. **Single User - Single Request ("SU-SR")**
SU-SR is a user-based platform allowing for an authorized user to manually log into the portal, request and receive data for one individual account at a time via the portal's user interface. The results could be rendered within the web portal interface itself or exported to the user in a pre-defined file format.
- II. **Single User - Multiple Requests ("SU-MR")**
SU-MR is similar to SU-SR, except that the authorized user logging into the portal may submit and receive data for more than one account number as part of a single request.
- III. **System-to-System ("StS")**
StS was initially conceived as a platform allowing an authorized user's IT systems to communicate directly with the web portal system of the EDC without requiring a user to manually log into the web portal itself and leverage the user interface (e.g., involving FTP or web services to transmit and satisfy requests).

1.2.2 System Organization

The system will be set up for approved users to upload an Excel file with EDC customer information that will create a service call through the EDC access portal to a secure batch file that will return a document in a CSV and XML file type that is available for download or for on screen display of requested customer information. If downloaded, the file transfer will be made available via a secure FTP, by tunneling through the Duquesne Light Company ("Duquesne Light" or "Company") internal firewall, from the nightly run batch file.

2 Management Overview

The implementation will be managed via an agile approach. Bi-weekly sprints will be developed and delivered from requirements through development and testing based on the solution framework provided by the WPWG.

2.1 Description of Implementation

The implementation will be completed through an "instant-on" approach once all testing is complete and training documentation has been communicated.

2.3 Major Tasks

Several implementation approaches are being reviewed. The advantages of this approach allow the team to work in an agile fashion and break the requirements into smaller installations in order to simplify and streamline the work load and resource constraints. The dedicated team is able to communicate daily and therefore correct any failed test issues immediately and allow for system changes while minimizing impact to future code. This also allows for:

- Overall planning and coordination for the implementation;
- Incremental implementation/phased approach;
- Parallel execution;
- Identification of completion requirements early;
- Constant team communication for interchangeable resources;
- One-time conversion and switchover.

2.4 Implementation Schedule

The schedule utilized during this agile approach encompasses all work broken out in to two-week sprints. All sprints contain requirements, development and testing. They are completed with verbal approval of deliverables. Currently all work is on schedule for creation through September.

2.5 Security and Privacy

Customer usage data will sit in a file share made available directly to EGSs with read only access. All outside connections to the file share will be made accessible only through secure FTP over Secure Shell ("SSH") with private keys. If possible – depending on clients – firewall rules will be setup to only allow connections from specific IP addresses.

3 Implementation Support

Resources will be available for two weeks following the implementation of the tool to provide support and contact information will be made available during the go-live communication.

3.1 Hardware, Software, Facilities, and Materials

This subsection of the Implementation Plan lists all support hardware, software, facilities, and materials required for the implementation.

3.1.1 Hardware

Individuals utilize their own Company provided laptops.

3.1.2 Software

The team utilized Visual Studio Team Services for project material creation and communication.

3.1.3 Facilities

The team utilizes internal resource location on-site at Duquesne Light.

3.2 Documentation

All documentation is housed internally in the Visual Studio Team Services tool and the Duquesne Light SharePoint site.

3.3 Personnel

All internal training at Duquesne Light will be provided in-house by the process analyst and team. All external training and documentation that might be needed outside Duquesne Light will be communicated through Duquesne Light's Business Systems Analyst.

3.3.1 Staffing Requirements

Staffing requirements include: one Business Analyst, one .net developer, one QA Tester, one UAT tester, one Business Intelligence data warehouse developer. The staffing level is needed at full dedication at one hundred percent from the inception of the project through the delivery and the warranty period.

3.3.2 Training of Implementation Staff

Internal training will be led by Duquesne Light's project team in coordination with an internal process analyst who will create documentation to provide to external parties via the internal systems analyst that is appointed as the primary contact to the external partners.

3.4 Outstanding Issues

There are no outstanding issues at this time.

3.5 Implementation Impact

The implementation impacts will affect support staff through increased need for trouble shooting and other related tasks.

3.6 Performance Monitoring

Visual Studio Team Services is utilized to monitor sprint completion via real time visibility into project items being worked and the lifecycle phases they are currently in.

4 Implementation Requirements by Site

4.1 Site Name or Identification for EDC Access Portal

Site Location (URL): <https://swp.duquesnelight.com>

4.1.1 Implementation Verification and Validation

Any noted discrepancies will be rectified through testing and redevelopment once it has been approved by Duquesne Light's internal QA team and approved as passed by our UAT representative. As a system contingency plan, if, as a result of the discrepancies, a no-go decision is made to implement the system, Duquesne Light will provide the needed support to correct all implementation issues.

4.2 Acceptance Criteria

Review and approval of system and user acceptance testing is required based on the requirements provided in the solution framework that have been vetted and developed within the project requirements backlog.

5 Cost and Cost Recovery

5.1 Cost

The total capitalized cost is anticipated to be approximately \$200,000. The Company does not anticipate annual operating and maintenance expenses.

5.2 Cost Recovery

The Pennsylvania Public Utility Commission ("Commission") directed the Electronic Data Exchange Working Group ("EDEWG") to initiate a web-portal working group of all EDCs covered by the smart meter mandate and any other interested stakeholders to develop a standardized solution for acquisition of interval usage data via a secure web-portal on page 13 of its December 6, 2012 Final Order at Docket No. M-2009-2092655. The Commission also reiterated the requirement to implement a secure web portal only for those EDCs with smart meter technology requirements in footnote 1 on page 1 of its June 30, 2016 Final Order at Docket No. M-2009-2092655 regarding EDEWG's web portal solution. For these reasons, the \$200,000 capital cost is expected to be recovered through the Company's Smart Meter Charge.

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing has been served upon the following persons, in the manner indicated, in accordance with the requirements of 52 Pa. § 1.54 (relating to service by a participant).

VIA U.S. MAIL

Bureau of Investigation and Enforcement
Pennsylvania Public Utility Commission
400 North Street, 2nd Floor West
P.O. Box 3265
Harrisburg, PA 17105-3265

Office of Competitive Market Oversight
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
3rd Floor, Room N-309
Harrisburg, PA 17101

Office of Consumer Advocate
555 Walnut Street
Forum Place, 5th Floor
Harrisburg, PA 17101-1923

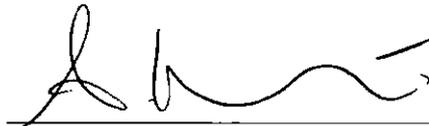
Office of Small Business Advocate
Commerce Tower, Suite 202
300 North Second Street
Harrisburg, PA 17101-1923

Bureau of Technical Utility Services
Commonwealth Keystone Building
3rd Floor
Harrisburg, PA 17101

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Dated: July 29, 2016

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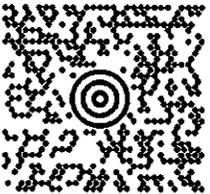
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MILLER ACE HARDWARE
237 BROWNSVILLE RD
PITTSBURGH, PA 15210

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