

Enterprise Information Management: Data Integration

Ryan Smith

Director, Software Development

Budget and Priorities Working Group

May 30, 2018, Krey Corporate Center

DRAFT – FOR DISCUSSION PURPOSES ONLY

©COPYRIGHT NYISO 2018. ALL RIGHTS RESERVED



Agenda

- Background
- RFP process
- Project timeline and estimated cost
- Next steps

Background

- The Decision Support System (DSS) has been in operation since 2003 with substantially the same architecture and technology
- The DSS supports 9,500+ requests per day with nearly 2,000 MP accounts from 500+ organizations
- The DSS relies on old technology which will reach the end of its support life as of Dec. 2020

Background

- The NYISO initiated a multi-year plan that called for upgrading the DSS to new technology by 2019
- By late 2017 it became apparent that the level of effort and related technology limitations were more significant than originally anticipated
- The NYISO engaged a leading technology consultant to advise on a different approach to the upgrade
- The NYISO initiated an RFP process to seek alternative solutions from multiple vendors

RFP Process and Outcome

RFP Goals and Objectives

- Eliminate end of life technology
- Maintain high-value services
- Address unmet business needs
- Establish a resilient architecture
- Co-source the development to enable NYISO staff to maintain the system and be more responsive to future customer requests

DRAFT – FOR DISCUSSION PURPOSES ONLY

RFP Scope

■ Customer Settlements

- Versioned customer settlements Feb 2005 – present
- Promotes transparency by providing access to data required to calculate customer settlements
- Prior day bills/re-bills and invoices published to data mart nightly
- 13 Universes and 89 reports

■ Public Market Pricing and Load

- Versioned DAM, RT, Ancillary prices Feb 2005 – present
- Constraints, Interface Limits and Flows, Load data Feb 2005 – present
- Published to data mart three times daily
- Data accessible via public portal interface on nyiso.com
- 2 Universes 33 reports

RFP Evaluation Team

- Customer Settlements
- Market Monitoring Analysis
- Market Training
- Project & Product Management
- Information Technology

DRAFT – FOR DISCUSSION PURPOSES ONLY

©COPYRIGHT NYISO 2018. ALL RIGHTS RESERVED

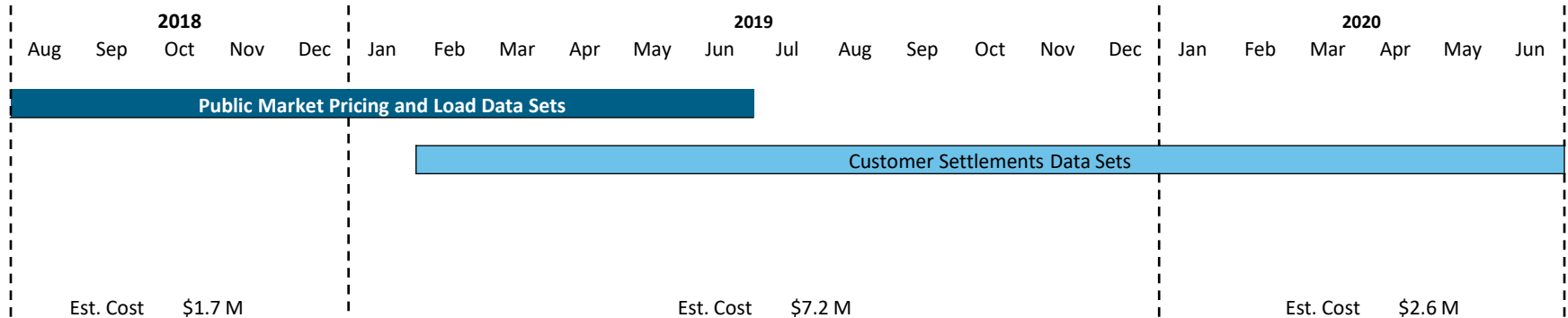
RFP Evaluation Criteria

- **Vendors were evaluated on criteria such as:**
 - Pricing
 - Confidence the solution will achieve goals
 - Ability to interact with stakeholders to identify and prioritize requirements
 - Solution delivery practices to reduce project risk
 - Ability to train NYISO staff to support the solution post deployment
 - Expertise, competency, and skillset

DRAFT – FOR DISCUSSION PURPOSES ONLY

Project Timeline and Estimated Cost

Project Timeline and Estimated Cost



Estimated Total Cost over 3 years = \$11.6 M

DRAFT – FOR DISCUSSION PURPOSES ONLY

©COPYRIGHT NYISO 2018. ALL RIGHTS RESERVED

Next Steps

- Evaluation of the project as part of the 2019 project prioritization and budgeting process
- Start contract negotiations with vendor

The Mission of the New York Independent System Operator, in collaboration with its stakeholders, is to serve the public interest and provide benefits to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policy makers, stakeholders and investors in the power system



www.nyiso.com

DRAFT – FOR DISCUSSION PURPOSES ONLY