Release 1.0 Status and 2003 Program Plan

Decision Support System (DSS)

Billing and Accounting Working Group

March 28, 2003

DSS Release 1.0 Deliverables

➡ Establish infrastructure for future content delivery

  ➡ Robust, flexible and scalable

  ➡ Customizable for future needs

➡ Data scope

  ➡ Balancing Market Energy for Power Suppliers

  ➡ Real Time BPCG for Power Suppliers

  ➡ Balancing Market Energy for Load Serving Entities

  ➡ Balancing Market for Transaction Customers

  ➡ 41 data types in all
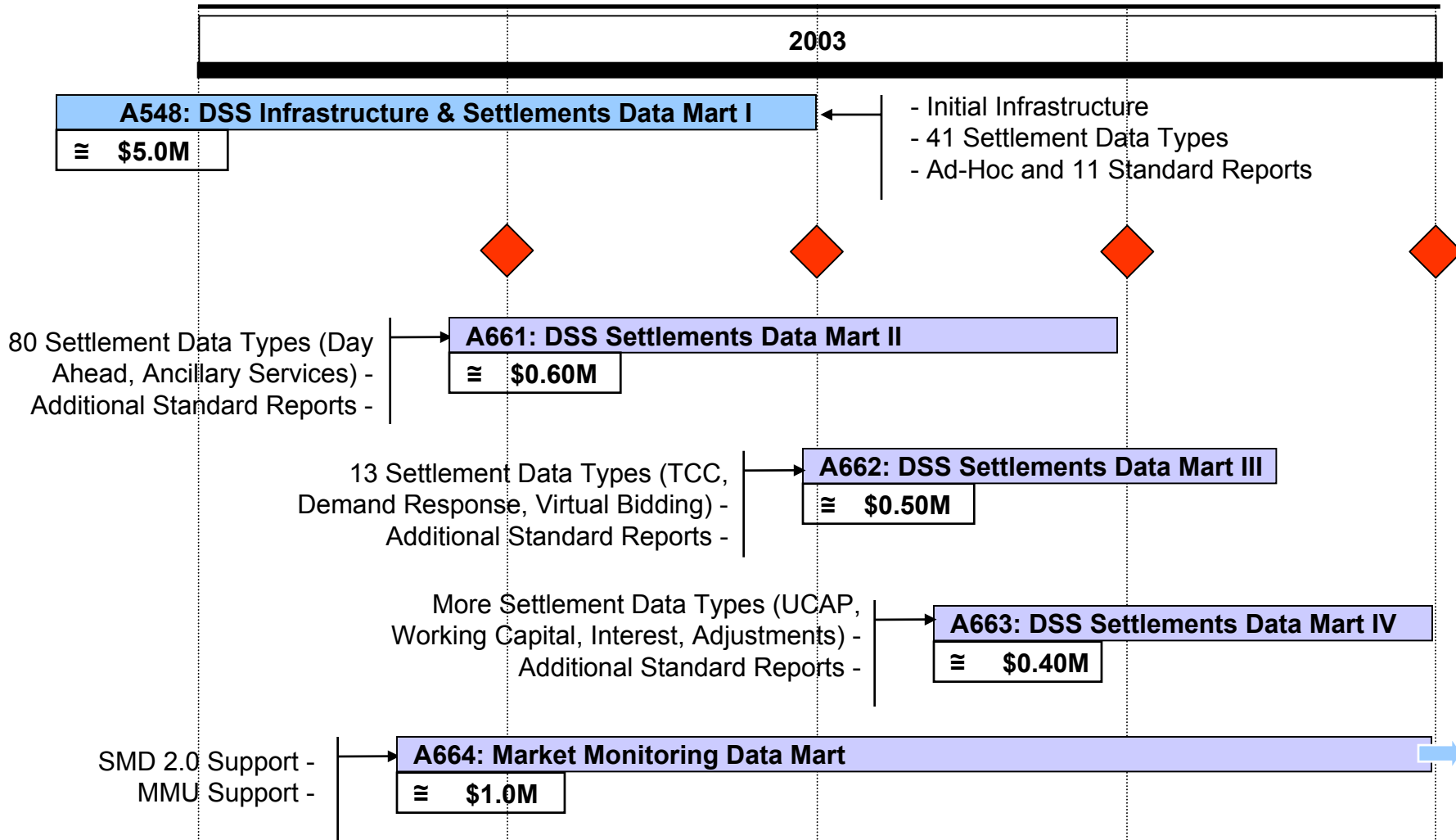
DSS Release 1.0 Deliverables (cont'd)

➡ Application scope
  ➡ Roll-up, drill down, and drill through functionality
    ➡ Month → Day → Hour → SCD Interval → Determinants
  ➡ Portal-like user interface and query tools
  ➡ Ad-hoc reports plus 11 standard NYISO reports
  ➡ Ability to schedule reports for later delivery
  ➡ Administrative tools

➡ Complement to current operational data stores
  ➡ Operational data remains in MIS and BAS
  ➡ Current settlements reports to be maintained
  ➡ Data mart is a read-only store optimized for large-scale queries
  ➡ Data mart to be updated daily after normal billing run

DSS Release 1.0 Status

➡ Finalizing Functional & Technical Requirements

  ➡ Reports

  ➡ ETL Process

➡ Team Reports

  ➡ Architecture Team configuring final production environment

  ➡ Application Team finalizing universe design & creating reports

  ➡ ETL Team tuning transformations & designing production workflow

  ➡ QA Team testing transformations & preparing for full suite of application & data validation testing

➡ Targeting Production Release (R1.0) End of Q2 2003

DSS 2003 High Level Program Plan

2003

A548: DSS Infrastructure & Settlements Data Mart I

≅ **$5.0M**

- Initial Infrastructure
- 41 Settlement Data Types
- Ad-Hoc and 11 Standard Reports

80 Settlement Data Types (Day Ahead, Ancillary Services) - Additional Standard Reports -

A661: DSS Settlements Data Mart II

≅ **$0.60M**

13 Settlement Data Types (TCC, Demand Response, Virtual Bidding) - Additional Standard Reports -

A662: DSS Settlements Data Mart III

≅ **$0.50M**

More Settlement Data Types (UCAP, Working Capital, Interest, Adjustments) - Additional Standard Reports -

A663: DSS Settlements Data Mart IV

≅ **$0.40M**

SMD 2.0 Support - MMU Support -

A664: Market Monitoring Data Mart

≅ **$1.0M**

Assumptions

➤ No dependencies between tracks after Release 1

  ➤ Work can continue if one track is stopped or slowed

  ➤ Settlements Data Mart tracks arranged serially

➤ No dependencies on work in future years for Settlements Data Mart tracks

  ➤ All planned work to be complete in 2003

➤ Any SMD Support needed should be in place for November 2003 market trials

➤ Market Monitoring Data Mart work to continue into 2004

  ➤ Dependent on project and budget planning

  ➤ Other data marts may be given priority

Future Phases

➡ Architecture must accommodate real time / high volume data integration

  ➡ Operations

  ➡ Market Monitoring

➡ Solution should leverage existing investments

  ➡ PI

  ➡ EAI

➡ Must support SMD 2.0 data and analysis requirements

Questions?