



Impact of SMD2 on the DSS

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This presentation highlights the changes to DSS impacted by SMD2.

For specific changes to DSS Universes, Classes and Objects refer to SMD2 Documentation.



SMD2 Documentation

- **DSS Release Summary: SMD 2.0 Release**
- **SMD Release of DSS: Universe Constructs for Affected Universes**
- **DSS Corporate Report Changes Resulting from SMD2**
- **DSS Customer Settlements Billing Code Mapping Document**
http://www.nyiso.com/oasis/smd2/customer_statements_dss_mapping_10142004.pdf
- **NYISO Accounting and Billing Manual (Currently Under Committee Review)**
http://www.nyiso.com/services/documents/manuals/pdf/under_review/acct&bill_mnl_v128_red_line.pdf







SMD2 and DSS Changes

- ✓ Majority of changes occur for Power Suppliers
- ✓ New Classes, Subclasses and Objects
 - Refer to *SMD Release of DSS: Universe Constructs for Affected Universes*
- ✓ New and Changed Settlements means new and changed calculations
 - Refer to the *DSS Release Summary* document
- ✓ All obsolete Settlements will still be in DSS and applicable for dates prior to SMD2

<http://www.nyiso.com/oasis/smd2.html>

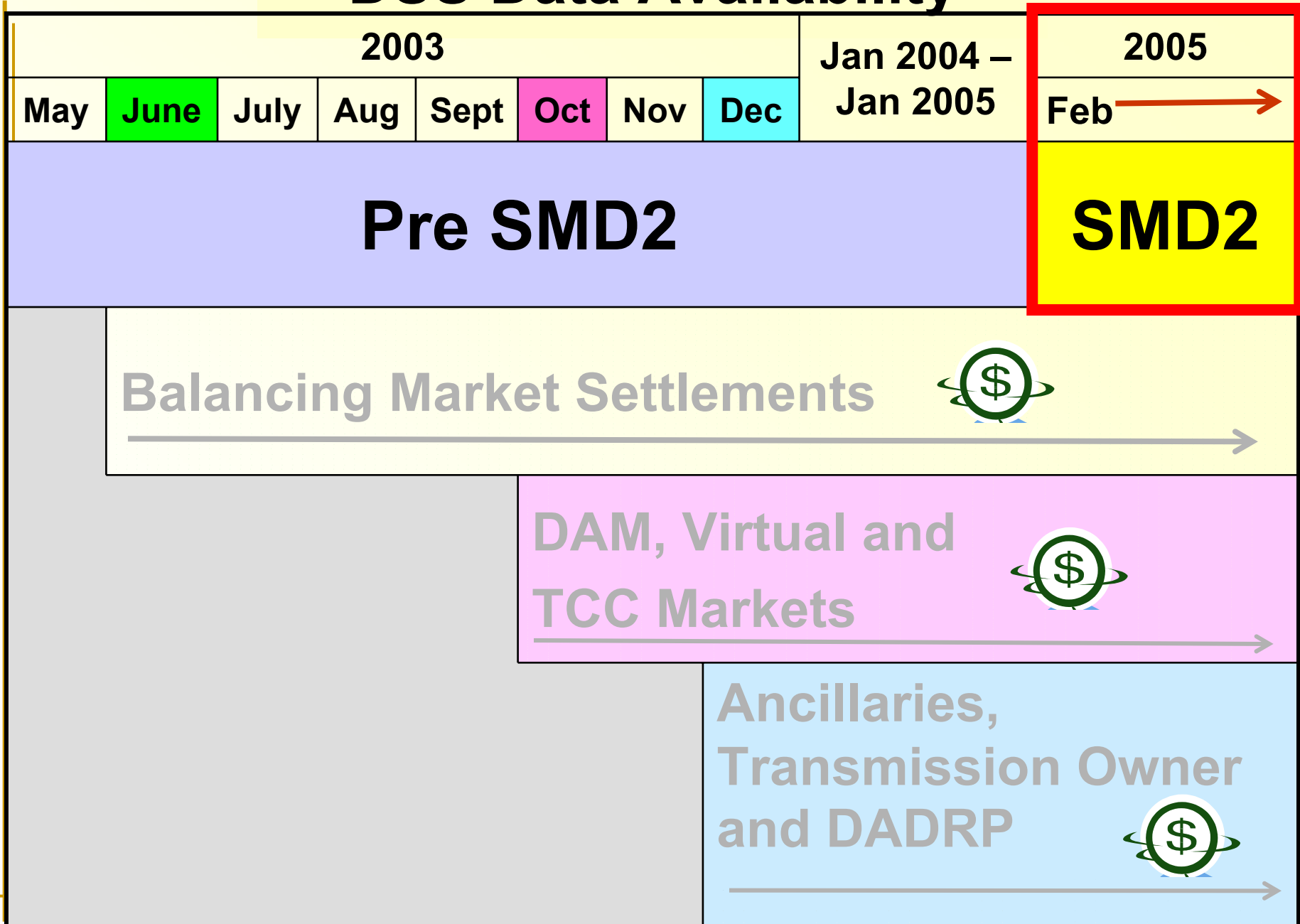
CSV File Summaries

Settlements Reference Materials

-  [Customer Statements](#) to DSS Mapping (996k)
-  [Summary of Changes](#) to SMD Customer Statement CSV Files (16k)
-  [Summary of Changes](#) to SMD Customer Statement CSV Files - Grouped Generators (11k)
-  [Customer Statements Data Dictionary](#) Version 19.0 (191k)
-  [SMD Hourly Customer Statement](#) File Template (24k)
-  [SMD Daily Customer Statement](#) File Template (19k)

Blue code identifies codes updated (located in middle) and new codes (far right)

DSS Data Availability



SMD2 Changes to Corporate Reports

Modified Corporate Reports -- Need to be Retrieved to Get Updated Version

New Reports for New SMD2 Settlements

***(6) New Reports* replacing RT BPCG for PS**

***New Report* replaces “DAM Margin Assurance for PS”**

See “DSS Corporate Report Changes Resulting from SMD2”

SMD Release of DSS: Universe Constructs for Affected Universes

- A universe by universe description of each class as it relates to SMD2

SMD Release of DSS: Universe Constructs for Affected Universes



Query Panel - Cust Stlmt - PowerSupplrs:

Scope of Analysis: None

Classes and Objects

- Black Start (a)
- Voltage Support Service
 - VSS Credit (b)
 - VSS LOC (c)
- Regulation Service
 - DAM Regulation Availability (d)
 - Sup Regulation Availability (e)
 - BalMkt Regulation Availability (u)
 - Regulation Replacement (f)
 - Regulation Penalty (g)
 - Regulation Revenue Adj (v)
- 10-Min Sync Operating Reserves
 - DAM 10-Min Sync Availability (h)
 - Sup 10-Min Sync Availability (i)
 - BalMkt 10-Min Sync Availability (w)
 - 10-Min Sync Reduction (j)
- 10-Min Non-Sync Operating Reserves
 - DAM 10-Min NonSync Availability (n)
 - Sup 10-Min NonSync Availability (o)
 - BalMkt 10-Min NonSync Avail (x)
 - 10-Min NonSync Reduction (p)
- 30-Min Operating Reserves
 - DAM 30-Min OperRes Availability (r)
 - Sup 30-Min OperRes Availability (s)
 - BalMkt 30-Min Availability (y)
 - 30-Min Reduction (t)
- Operating Reserve LOCs & Penalties
 - Sync LOC (k)
 - 10-Min NonSync LOC (q)
 - 10-Min Shortfall Penalty (m)
- Generator Bid Data
 - DAM Generator Bid
 - RT Generator Bid
 - Effective Hour RT Generator Bid

Power Supplier Ancillary Services Universe

- In DSS prior to SMD Release
- Settlement only for Pre SMD Billing Days

- In DSS prior to SMD Release
- Effective for both Pre and Post SMD Billing Days
- Calculation is the same for both Pre and Post

- In DSS prior to SMD Release
- Effective for both Pre and Post SMD Billing Days
- Calculation changed for Post SMD Billing Days

- New Settlements for Post SMD Billing Days

- Additional Classes included with the SMD Release

SMD2 Universe Changes

**In DSS prior to SMD Release
Effective for both Pre and Post SMD Billing Days
Calculation is the same for both Pre and Post SMD
Billing Days.**

**In DSS prior to SMD Release
Effective for both Pre and Post SMD Billing Days
Calculation changed for Post SMD Billing Days**

New Settlements for Post SMD Billing Days

See SMD Release of DSS: Universe Constructs for Affected Universes

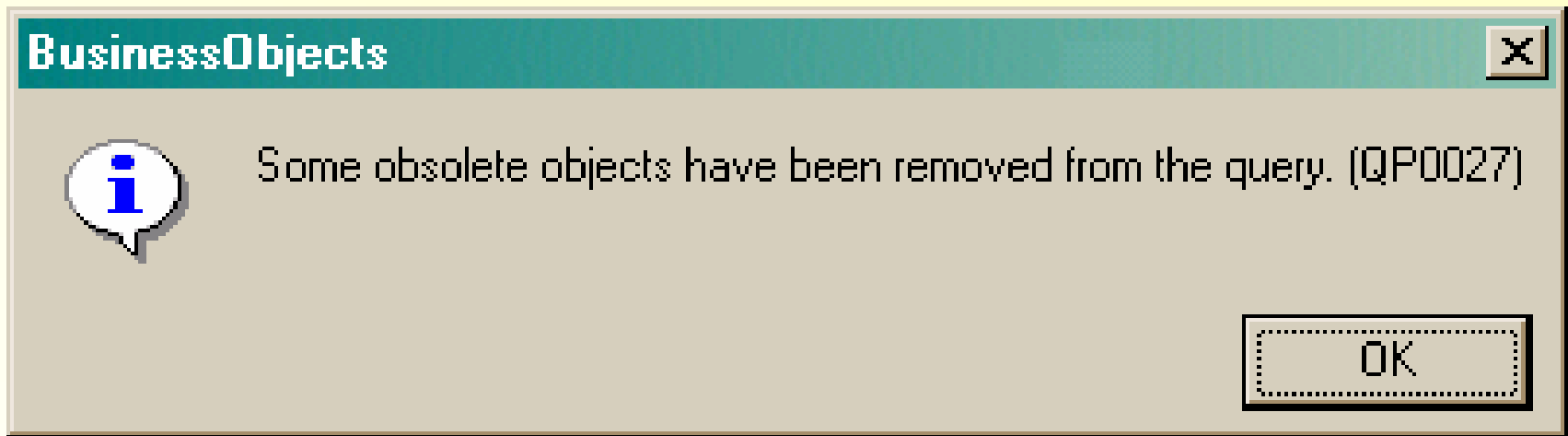
SMD2 Universe Changes

**In DSS prior to SMD Release
Settlement only for Pre SMD Billing Days**

Additional Classes included with the SMD Release

**Additional Classes included with the SMD Release
Effective for both Pre and Post SMD Billing Days
Calculation is the same for both Pre and Post SMD
Billing Days.**

See SMD Release of DSS: Universe Constructs for Affected Universes



Users will see this messages when they either open a provider or refresh the data and an object was deleted from the universe, but remains in the query.

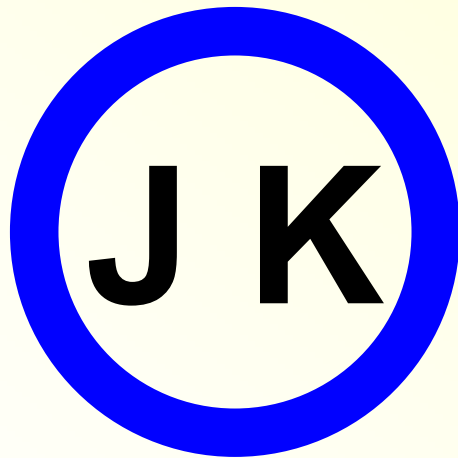
After ok is selected, Business Objects removes the object(s) from the providers and the formatted report.

Business Objects does not give the users a simple method of determining which objects are removed.

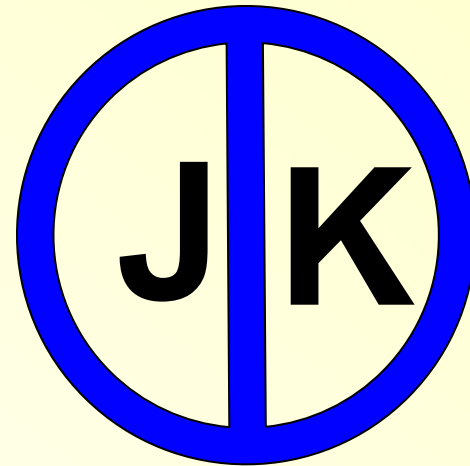
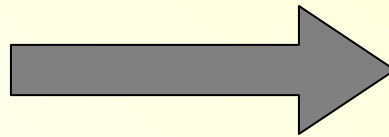
Universes Not Affected by SMD2

- **TCC Universe**
- **Transmission Owners Universe**
- **Virtual Market Universe**

Real Time Zonal/Subzonal Load



Pre-SMD



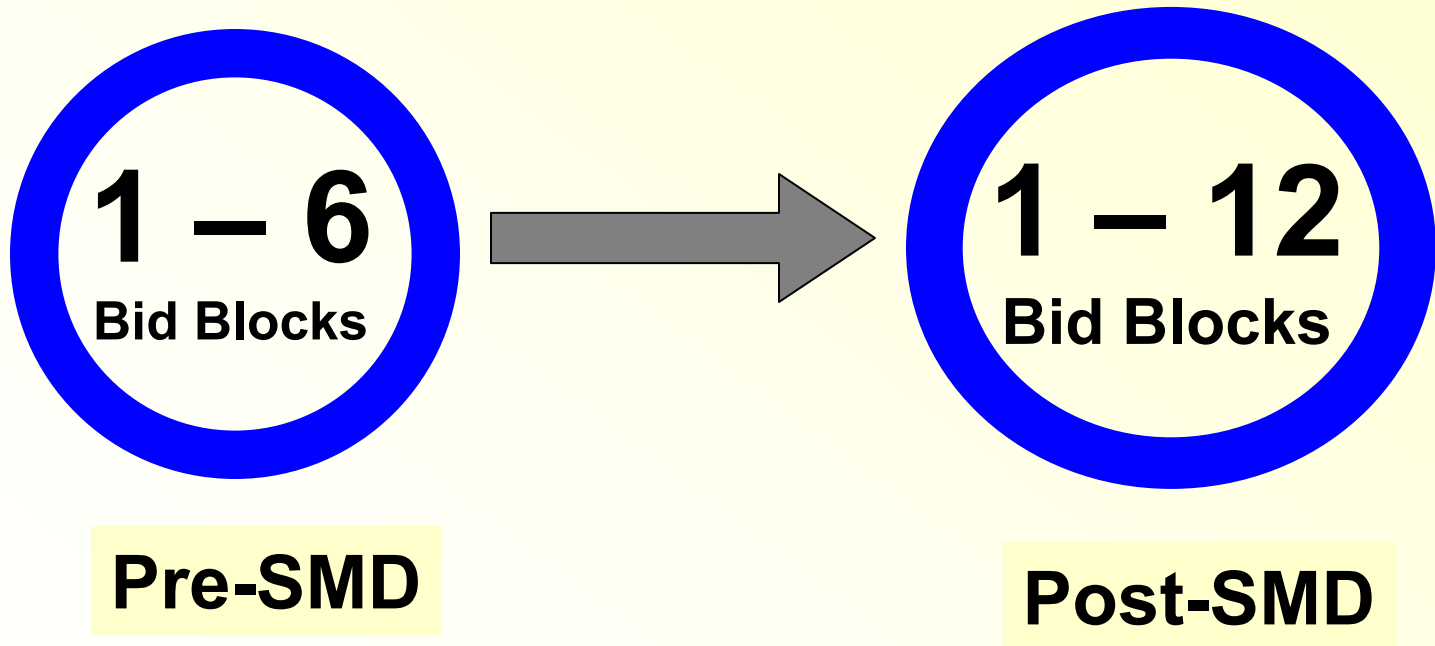
Post-SMD

Load for **J & K** have been broken out separately for:

- All Newly Loaded Data
- All Historic Data in DSS

Generator Bid Points

Demand Response Bid Points



RTD

Real Time Dispatch

Replaces

SCD

Security
Constrained
Dispatch

***For Settlement Areas affected by SMD2
Classes not affected by SMD2 kept SCD***

**Any additional questions,
please contact
your Customer Representative**