OASIS Enhancements – Phase 1

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OASIS Enhancements Overview

• The following enhancements have been made to OASIS to improve customer experience:
  – Sub-menus added to various report tabs to ensure report list does not disappear outside of browser window
  – New Resource Adequacy report tab added
  – Associated resource adequacy reports moved from various other tabs to new Resource Adequacy tab

Note: In the following slides, current version of OASIS is outlined in orange, the enhancements/changes being made are outlined in green.
List of reports disappears off the end of the browser screen
Sub-menus have been added to the Atlas Reference tab

Note: no changes to report names
## Atlas Reference Reports Sub-Menu Organization

### Atlas Reference

<table>
<thead>
<tr>
<th>Publication Type</th>
<th>Sub-Menu</th>
</tr>
</thead>
<tbody>
<tr>
<td>Publications</td>
<td>Publications and Revisions, OASIS Publications Schedule</td>
</tr>
<tr>
<td>Messages</td>
<td>System Operation Messages, Price Correction Messages</td>
</tr>
<tr>
<td>Listing</td>
<td>Market Resource Listing, PNode Listing, ANode Listing, Convergence Bidding Node Listing, Load Distribution Factors (LDFs), Load Aggregation Point Listing, Trading Hub Listing, Transmission Interface Listing, Master Control Area Generating Capability List, Net Qualifying Capacities, Constraint Relaxation Threshold</td>
</tr>
<tr>
<td>Definition</td>
<td>Peak-Off-Peak Definition, Scheduling Point Definition, BAA and Tie Definition, Scheduling Point and Tie Definition</td>
</tr>
</tbody>
</table>
List of reports disappears off the end of the browser screen.
Sub-menus have been added to the Prices tab

Note: no changes to report names
## Prices Reports Sub-Menu Organization

### Energy Prices
- Locational Marginal Prices
  - Scheduling Point/Tie Combination Locational Marginal Prices
  - Interval Locational Marginal Prices
  - Interval Scheduling Point/Tie Combination Locational Marginal Prices
  - HASP Locational Marginal Prices
  - EMM Locational Marginal Prices
  - EMM Scheduling Point/Tie Combination Locational Marginal Prices
- Reference Prices
- Contingency Dispatch Locational Marginal Prices
- Contingency Dispatch Scheduling Point/Tie Combination Locational Marginal Prices
- Hourly RTM LAPP Prices
- Hourly Energy Price Shaping Factor

### Shadow Prices
- Nomogram/Branch Shadow Prices
  - Intertie Constraint Shadow Prices
  - Interval Intertie Constraint Shadow Prices
  - Interval Nomogram/Branch Shadow Prices
  - Nodal Group Constraints
  - Flexible Ramping Constraint Results
- Contingency Dispatch Intertie Constraint Shadow Prices
- Contingency Dispatch Nomogram/Branch Shadow Prices
- EIM Green House Gas (GHG) Shadow Prices
- Scheduling Constraint Shadow Prices

### Ancillary Services Prices
- AS Clearing Prices
  - Interval AS Clearing Prices

### Index Prices
- Fuel Prices
  - Greenhouse Gas Allowance Index Prices

### Market Power Mitigation
- MPM DA Locational Marginal Prices
  - MPM RT Locational Marginal Prices
  - MPM Nomogram/Branch Shadow Prices
  - MPM Nomogram/Branch Competitive Paths
  - MPM Intertie Constraint Shadow Prices
  - MPM Intertie Constraint Competitive Paths
  - MPM Interval Reference Bus
  - MPM Reference Bus
  - MPM Default Competitive Path Assessment List
Welcome to the California ISO Open Access Same-time Information site. On OASIS you will find real-time data related to the ISO transmission and its Market, such as system demand forecasts, transmission output status, market prices and market result data.

Standards Information
North American Energy Standards Board (NAESB)
ISO Business Practice Manuals
Available Transfer Capability Information

List of reports disappears off the end of the browser screen

Resource Adequacy and Minimum Load report is currently on the Energy tab
Energy Reports Menu - NEW

Sub-menus have been added to the Energy tab

Note: no changes to report names

Resource Adequacy and Minimum Load report has been removed from this tab and added to the Resource Adequacy tab
## Energy Reports Sub-Menu Organization

### Energy

#### Schedule
- System Load and Resource Schedules
  - Expected Energy
  - RMR
  - Contingency Dispatch Resource Schedules
  - Wind and Solar Summary
  - Schedule By Tie

#### System
- Exceptional Dispatch
  - Market Power Mitigation Status
  - Marginal Losses
  - Day Ahead Market Summary Report
  - Aggregated Generation Cutages
  - Operator-Initiated Commitment
  - Transmission Loss
  - Excess Behind the Meter Production
  - RUC Under Supply Infeasibility and Enforced Constraints

#### Flexible Ramping
- Flexible Ramp Requirements
  - Uncertainty Movement by Category
  - Flexible Ramp Aggregate Awards
  - Flexible Ramp Surplus Demand Curves
  - Flexible Ramp Requirements Inputs

#### Convergence Bidding
- Convergence Bidding Aggregate Awards
  - Net Cleared Convergence Bidding Awards
  - Convergence Bidding Nodal MW Limits

#### Energy Imbalance Market
- Net EIM Transfer Limits
  - EIM Transfer
  - EIM BAA Dynamic NSI
  - EIM BAA Base NSI
  - EIM Transfer Limits By Tie
  - EIM Transfer By Tie
  - EIM BAA Hourly Base NSI
  - EIM BAA Hourly Base Loss
  - BAA Market Events

#### Uplift
- Resource-Specific Uplift
  - Zonal Uplift Payment
CSP Offer and CPM Designations reports are currently on the Public Bids tab.
CSP Offer and CPM Designations reports have been removed from this tab and added to the Resource Adequacy tab.
Public Bids Sub-Menu Organization

<table>
<thead>
<tr>
<th>Public Bids</th>
</tr>
</thead>
<tbody>
<tr>
<td>Convergence Bidding Public Bids</td>
</tr>
<tr>
<td>CRR Public Bids</td>
</tr>
</tbody>
</table>
Resource Adequacy Reports Menu - CURRENT

No Resource Adequacy tab. RA reports are listed under other tabs.
Welcome to the California ISO Open Access Same-time Information System (OASIS) site. On OASIS you will find real-time data related to the ISO transmission system and its Market, such as system demand forecasts, transmission outage and capacity status, market prices and market result data.

Resource Adequacy tab (and associated RA reports) added
Public Bids Sub-Menu Organization

Resource Adequacy

- Resource Adequacy and Minimum Load
- CSP Offer
- CPM Designations
Other OASIS Reports Menus

- The following OASIS reports menus will have no changes due to this project and will remain **as-is**:  
  - Transmission  
  - System Demand  
  - Ancillary Services  
  - Congestion Revenue Rights
If you have questions about anything presented here, please feel free to email CustomerReadiness@caiso.com or submit a ticket to your customer service representative.