



OASIS Enhancements – Phase 1

Updated 10/21/2021

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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**.

Atlas Reference Reports Menu - CURRENT

Browser address bar: <http://oasis.caiso.com/mrioasis/logon.do>

Page Title: OASIS - OASIS Prod - PUBLI...

Navigation: OASIS - OASIS MAPTest - ... LMS_CAISO Home LMS_CAISO Home Pages - Representing the I... System Operations Launc...

Logo: California ISO OASIS

Page Type: OASIS Prod

Menu Categories: ATLAS REFERENCE REPORT DEFINITION PRICES TRANSMISSION SYSTEM DEMAND ENERGY ANCILLARY SERVICES CONGESTION REVENUE RIGHTS PUBLIC BIDS

ATLAS REFERENCE Menu Items (partially visible):

- Market Resource Listing
- Publications and Revisions
- OASIS Publications Schedule
- Peak-Off-Peak Definition
- PNode Listing
- APNode Listing
- Convergence Bidding Node Listing
- Load Distribution Factors (LDFs)
- Load Aggregation Point Listing
- Trading Hub Listing
- Trading Hub PNode Mapping
- AS Region Node Mapping
- RUC Zone PNode Mapping
- TAC Area Node Mapping
- Intertie Constraint Mapping
- Transmission Interface Listing
- System Operation Messages
- Price Correction Messages
- Scheduling Point Definition
- BAA and Tie Definition
- Scheduling Point and Tie Definition
- Intertie Constraint and Scheduling Point Mapping
- Intertie Scheduling Limit and Tie Mapping
- Master Control Area Generating Capability List

Callout Box Text: List of reports disappears off the end of the browser screen

9.88184 SP15=\$37.7108 | SMEC=\$50.12181 For RT Interval 13:40 - LMP for ZP26=\$

QUICK LINKS: OASIS Home System Operating Messages LMP Price Contour Maps Trading Hub Real-Time Prices Historical ACE SYSTEM HELP WWW.CAISO.COM Support System Technical Information

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Atlas Reference Reports Menu - NEW

ATLAS REFERENCE REPORT DEFINITION PRICES TRANSMISSION SYSTEM DEMAND ENERGY ANCILLARY SERVICES CONGESTION REVENUE RIGHTS PUBLIC BIDS RESOURCE ADEQUACY

- Publications
- Messages
 - System Operation Messages
 - Price Correction Messages
- Listing
- Mapping
- Definition

Standards Information
North American Energy Standard
ISO Business Practice Manual
Available Transfer Capability

Transmission Information
Base Case Data
Interconnection Study Statistics

System Help
For interface technical specifications and other supporting documents go to
System Technical Information

Sub-menus have been added to the Atlas Reference tab

Note: no changes to report names

NP15 ZP26 SP15

Atlas Reference Reports Sub-Menu Organization

| | |
|------------------------|--|
| Atlas Reference | |
| Publications | Publications and Revisions |
| | OASIS Publications Schedule |
| Messages | System Operation Messages |
| | Price Correction Messages |
| Listing | Market Resource Listing |
| | PNode Listing |
| | APNode 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 |
| Mapping | Trading Hub PNode Mapping |
| | AS Region Node Mapping |
| | RUC Zone PNode Mapping |
| | TAC Area Node Mapping |
| | Intertie Constraint Mapping |
| | Intertie Constraint and Scheduling Point Mapping |
| | Intertie Scheduling Limit and Tie Mapping |
| | Full Network Model Mapping |
| Definition | Peak-Off-Peak Definition |
| | Scheduling Point Definition |
| | BAA and Tie Definition |
| | Scheduling Point and Tie Definition |

Prices Reports Menu - CURRENT

California ISO OASIS OASIS Prod

ATLAS REFERENCE REPORT DEFINITION **PRICES** TRANSMISSION SYSTEM DEMAND ENERGY ANCILLARY SERVICES CONGESTION REVENUE RIGHTS PUBLIC BIDS

Localional Marginal Prices
Scheduling Point/Tie Combination Localional Marginal Prices
Interval Localional Marginal Prices
Interval Scheduling Point/Tie Combination Localional Marginal Prices
Nomogram/Branch Shadow Prices
AS Clearing Prices
Interval AS Clearing Prices
Intertie Constraint Shadow Prices
HASP Localional Marginal Prices
FMM Localional Marginal Prices
FMM Scheduling Point/Tie Combination Localional Marginal Prices
Fuel Prices
Interval Intertie Constraint Shadow Prices
Interval Nomogram/Branch Shadow Prices
Reference Prices
Nodal Group Constraints
Flexible Ramping Constraint Results
Contingency Dispatch Localional Marginal Prices
Contingency Dispatch Scheduling Point/Tie Combination Localional Marginal Prices
Contingency Dispatch Intertie Constraint Shadow Prices
Contingency Dispatch Nomogram/Branch Shadow Prices
MPM DA Localional Marginal Prices
MPM RT Localional Marginal Prices
MPM Nomogram/Branch Shadow Prices

SP15

List of reports disappears off the end of the browser screen

CONNECTED QUICK LINKS \$50.12181 For RT Interval 13:40 - LMP for ZP26=\$36.01112 NP15=\$59.88184 SP15=

OASIS Home System Operating Messages LMP Price Contour Maps Trading Hub Real-Time Prices Historical ACE SYSTEM HELP WWW.CAISO.COM Support System Technical Information

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Prices Reports Menu - NEW

Welcome to the California ISO OASIS site. On OASIS you will find real-time information about the California ISO and its Market, such as system status, market prices and market data.

Standards Information

Sub-menus have been added to the Prices tab

Note: no changes to report names

ATLAS REFERENCE REPORT DEFINITION **PRICES** TRANSMISSION SYSTEM DEMAND ENERGY ANCILLARY SERVICES CONGESTION REVENUE RIGHTS PUBLIC BIDS RESOURCE ADEQUACY

- Energy Prices
- Shadow Prices
- Ancillary Services Prices
- Index Prices
- Market Power Limitation

- 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
- FMM Locational Marginal Prices
- FMM 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 LAP Prices
- Hourly Energy Price Shaping Factor

For RT Interval 14:05 - LMP for ZP26=\$969.3921 NP15=\$1069.343 SP15=\$987.1015 | SME



QUICK LINKS
[OASIS Home](#)

[System Operating Messages](#)

[LMP Price Contour Maps](#)

[Trading Hub Real-Time Prices](#)

[Historical ACE](#)

SYSTEM HELP
[WWW.CAISO.COM](#)

[Support](#) [System Technical Information](#)

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Prices Reports Sub-Menu Organization

| | | |
|--|--|--|
| Prices | 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 |
| | | FMM Locational Marginal Prices |
| | | FMM 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 LAP Prices |
| | | Hourly Energy Price Shaping Factor |
| | | 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 | |
| | | |
| 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 |

Energy Reports Menu - CURRENT

California ISO OASIS OASIS Prod

ATLAS REFERENCE REPORT DEFINITION PRICES TRANSMISSION SYSTEM DEMAND **ENERGY** ANCILLARY SERVICES CONGESTION REVENUE RIGHTS PUBLIC BIDS

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 out-of-status, market prices and market result data.

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

Trans
Base Ca
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System
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other sup
System

Resource Adequacy and Minimum Load report is currently on the Energy tab

List of reports disappears off the end of the browser screen

7 minutes until session timeout

Uncertainty Movement by Category

or RT Interval 13:40 - LMP for ZP26=\$36.01112 NP15=\$59.88184 SP15=\$37.7108 | SMEC=\$

CONNECTED QUICK LINKS
OASIS Home System Operating Messages LMP Price Contour Maps Trading Hub Real-Time Prices Historical ACE SYSTEM HELP WWW.CAISO.COM Support System Technical Information

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Energy Reports Menu - NEW

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 out status, market prices and market result data.

Standards Information
North American Energy
ISO Business Practice
Available Transfer Cap

Transmission Information
Base Case Data
Interconnection Study

System Help
For interface technical support
other supporting documents
System Technical Information

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

QUICK LINKS
OASIS Home System Operating Messages LMP Price Contour Maps Trading Hub Real-Time Prices Historical

26=\$969.3921 NP15=\$1069.343 SP15=\$987.1015 | SMC

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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 | System | Exceptional Dispatch |
| | | Market Power Mitigation Status |
| | | Marginal Losses |
| | | Day Ahead Market Summary Report |
| | | Aggregated Generation Outages |
| | | Operator-Initiated Commitment |
| | | Transmission Loss |
| | | Excess Behind the Meter Production |
| RUC Under Supply Infeasibility and Enforced Constraints | | |
| Flexible Ramping | 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 | Convergence Bidding Aggregate Awards |
| | | Net Cleared Convergence Bidding Awards |
| | | Convergence Bidding Nodal MW Limits |
| Energy Imbalance Market | 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 | Uplift | Resource-Specific Uplift |
| | | Zonal Uplift Payment |

Public Bids Reports Menu - CURRENT

The screenshot shows the OASIS website interface. At the top, there is a navigation bar with the following items: ATLAS REFERENCE, REPORT DEFINITION, PRICES, TRANSMISSION, SYSTEM DEMAND, ENERGY, ANCILLARY SERVICES, CONGESTION REVENUE RIGHTS, and PUBLIC BIDS. The PUBLIC BIDS menu is expanded, showing the following options: Public Bids, Convergence Bidding Public Bids, CRR Public Bids, CSP Offer, and CPM Designations. A mouse cursor is pointing at the PUBLIC BIDS menu item. A large orange callout box with white text is overlaid on the page, pointing to the CSP Offer and CPM Designations options. The callout text reads: "CSP Offer and CPM Designations reports are currently on the Public Bids tab".

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.

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

Transmission Information
[Base Case Data](#)
[Interconnection Study Statistics](#)

System Help
For interface technical specifications, product release plans and other supporting documents go to:
[System Technical Information](#)

6 minutes until session timeout

CONNECTED QUICK LINKS
[OASIS Home](#) [System Operating Messages](#) [LMP Price Contour Maps](#) [Trading Hub Real-Time Prices](#) [Historical ACE](#) [SYSTEM HELP](#) [WWW.CAISO.COM](#) [Support](#) [System Technical Information](#)

.88184 **SP15=\$37.7108** | **SMEC=\$50.12181** **For RT Interval** **13:40 - LMP for** **ZP26=\$36**

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Public Bids Reports Menu - NEW

California ISO OASIS OASIS MAPTest

ATLAS REFERENCE REPORT DEFINITION PRICES TRANSMISSION SYSTEM DEMAND ENERGY ANCILLARY SERVICES CONGESTION REVENUE RIGHTS **PUBLIC BIDS** RESOURCE ADEQUACY

Public Bids
Convergence Bidding Public Bids
CRR Public Bids

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.

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

Transmission Information
[Base Case Data](#)
[Interconnection Study Statistics](#)

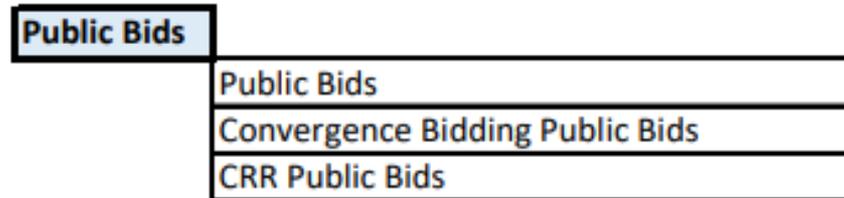
System Help
For interface technical specifications, product release plans and other supporting documents go to:
[System Technical Information](#)

945.069 NP15=\$1316.1519 SP15=\$935.6975 | SMEC=\$999.9976 For RT Interval 14:

CONNECTED QUICK LINKS OASIS Home System Operating Messages LMP Price Contour Maps Trading Hub Real-Time Prices Historical ACE SYSTEM HELP WWW.CAISO.COM Support System Technical Information

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Public Bids Sub-Menu Organization



Resource Adequacy Reports Menu - CURRENT

No Resource Adequacy tab. RA reports are listed under other tabs.

for ZP26=\$34.31266 NP15=\$69.11546 SP15=\$37.4506 | SMEC=\$55.90797



QUICK LINKS
OASIS Home

System Operating Messages

LMP Price Contour Maps

Trading Hub Real-Time Prices

Historical ACE

SYSTEM HELP
WWW.CAISO.COM

Support System Technical Information

For RT I

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Resource Adequacy Reports Menu - NEW

The screenshot shows the OASIS MAPTest interface. At the top, there is a navigation bar with the California ISO logo and the text "OASIS MAPTest". Below this is a menu with various categories: ATLAS REFERENCE, REPORT DEFINITION, PRICES, TRANSMISSION, SYSTEM DEMAND, ENERGY, ANCILLARY SERVICES, CONGESTION REVENUE RIGHTS, PUBLIC BIDS, and RESOURCE ADEQUACY. The "RESOURCE ADEQUACY" menu is expanded, showing sub-items: Resource Adequacy and Minimum Load, CSP Offer, and CPM Designations. A green callout box with a white border points to the "RESOURCE ADEQUACY" menu item and contains the text: "Resource Adequacy tab (and associated RA reports) added".

California ISO OASIS

OASIS MAPTest

ATLAS REFERENCE REPORT DEFINITION PRICES TRANSMISSION SYSTEM DEMAND ENERGY ANCILLARY SERVICES CONGESTION REVENUE RIGHTS PUBLIC BIDS RESOURCE ADEQUACY

Resource Adequacy and Minimum Load
CSP Offer
CPM Designations

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.

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

Transmission Information
Base Case Data
Interconnection Study Statistics

System Help
For interface technical specifications, product release plans and other supporting documents go to:
System Technical Information

ZP26 SP15

.1519 SP15=\$935.6975 | SMEC=\$999.9976 For RT Interval 14:15 - LMP for ZP26=\$94

QUICK LINKS
OASIS Home System Operating Messages LMP Price Contour Maps Trading Hub Real-Time Prices Historical ACE WWW.CAISO.COM Support System Technical Information

SYSTEM HELP

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Public Bids Sub-Menu Organization

Resource Adequacy

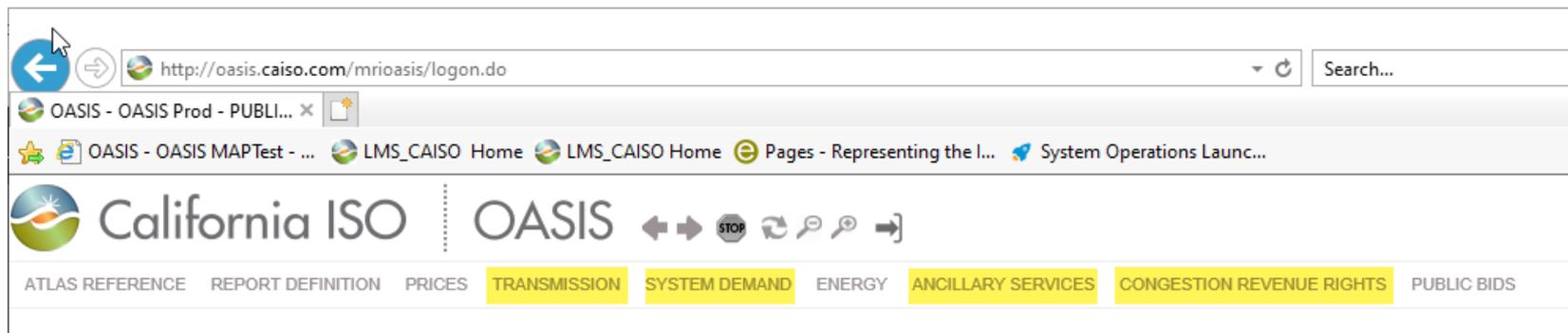
Resource Adequacy and Minimum Load

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.