

Release Notes

OASIS 6.1.0

Version 1.1


March 28, 2012

Template Version No:	1.0
Template Version Date:	08/09/2011
Effective Date:	08/09/2011

Release Notes

REVISION HISTORY

VERSION NO.	DATE	DESCRIPTION
1.0	01/25/2012	Initial version
1.1	03/28/2012	Updated for production deployment

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Release Identification

Application/System Name	OASIS
Version Identifier	6.1.0
Production Release	Spring 2012 Release – Drop 1
Project Name	LMPM – Local Market Power Mitigation Enhancements Phase 1

New Functionality Included

Availability of the following new reports under the “Price” category:

MPM DA Locational Marginal Prices (LMP) – Hourly Locational Marginal Prices from the Day-Ahead MPM run for all PNodes and APNodes in \$/MWh. Posts the LMP, plus the Competitive Congestion, Non-Competitive Congestion, Loss and Energy Components that make up the LMP.

MPM RT Locational Marginal Prices (LMP) – Posts hourly, the four 15-minute Locational Marginal Prices from the HASP MPM run for all PNodes and APNodes in \$/MWh. Posts the LMP, plus the Competitive Congestion, Non-Competitive Congestion, Loss and Energy Components that make up the LMP.

MPM Nomogram/Branch Shadow Prices – Posts the constraint pricing at each binding Nomogram and Branch, for each Market Process of the MPM run (DAM, HASP) in \$/MWh. Posted hourly for the DAM and four 15-min intervals per hour for HASP. Report will also include an indication of whether the Constraints were binding because of the base operating conditions or contingencies, and if caused by a Contingency, the identity of the specific Contingency.

MPM Nomogram/Branch Competitive Paths – Posts the hourly results of the dynamic competitiveness constraint for the Day-Ahead MPM run, for nomograms and flowgates. Posts a flag indicating whether each binding constraint was competitive or not. For the time being this report covers the Day-Ahead market only.

MPM Intertie Constraint Shadow Prices – Posts the constraint pricing at Transmission Interfaces and Intertie Constraints, for each Market Process of the MPM run (DAM, HASP) in \$/MWh. Posted hourly for the DAM and four 15-min intervals per hour for HASP. Report will also include an indication of whether the Constraints were binding because of the base operating conditions or contingencies, and if caused by a Contingency, the identity of the specific Contingency.

MPM Intertie Constraint Competitive Paths – Posts the hourly results of the dynamic competitiveness constraint for the Day-Ahead MPM run, for interchanges, market scheduling limits, and branch groups. Posts a flag indicating whether each binding constraint was competitive or not. Note interchanges, market scheduling limits, and external interfacing branch groups are always determined to be competitive. For the time being this report covers the Day-Ahead market only.

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MPM Reference Bus – Posts the reference bus used in the MPM run. Posted hourly for the DAM and four 15-min intervals per hour for HASP. Note, the IFM, RUC, and regular HASP runs use a distributed reference bus.

A publication & revision log will be posted signifying data availability on any of these new reports.

Report Summary:


The following table lists the user-interface report title and API query names that will post market results from the Local Market Power Mitigation (LMPM) process:

Graphical User-Interface (GUI) Report	Application Programming Interface (API)		Market
	Single Query	Group Query	
MPM DA Locational Marginal Prices (LMP)	PRC_MPM_LMP	DAM_MPM_LMP_GRP	DAM
MPM RT Locational Marginal Prices (LMP)	PRC_MPM_RTM_LMP	HASP_MPM_LMP_GRP	HASP
MPM Nomogram/Branch Shadow Prices	PRC_MPM_NOMOGRAM PRC_MPM_RTM_NOMOGRAM	DAM_MPM_SD_PRC_GRP HASP_MPM_SD_PRC_GRP	DAM HASP
MPM Intertie Constraint Shadow Prices	PRC_MPM_CNSTR PRC_MPM_RTM_FLOWGATE	DAM_MPM_SD_PRC_GRP HASP_MPM_SD_PRC_GRP	DAM HASP
MPM Nomogram/Branch Competitive Paths	PRC_MPM_NOMOGRAM_CMP	DAM_MPM_SD_PRC_GRP	DAM
MPM Intertie Constraint Competitive Paths	PRC_MPM_CNSTR_CMP	DAM_MPM_SD_PRC_GRP	DAM
MPM Reference Bus	PRC_MPM_REF_BUS PRC_MPM_RTM_REF_BUS	n/a	DAM HASP

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Variations and Issues Addressed

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OASIS API Specifications

The technical specifications document version 3.09.x and accompanying schema file for application release OASIS 6.1.0 can be accessed at: [http://www.caiso.com/Documents/Open%20Access%20Same-Time%20Information%20System%20\(OASIS\)](http://www.caiso.com/Documents/Open%20Access%20Same-Time%20Information%20System%20(OASIS)) under the *Technical specifications, Interface specification, Version3_09* subheading:

- Interface Specification for OASIS 3.09.1 - Clean
- Interface Specification for OASIS 3.09.1 - Redline
- OASIS Map-Stage Environment Artifacts Package
- OASIS Production Environment Artifacts Package

The updated OASISReport.xsd file has an internal annotation referring to the OASIS Interface Specification v3.09.x supporting document.

These other schema files located in the packages above do **not** have any changes per application release OASIS 6.1.0, but are contained here to reference the complete set of OASIS artifacts.

- OASISMaster.xsd
- OASISBid.xsd
- OASISCBBid.xsd

For development code migration purposes, please note that the namespace domain in the schema definition file (XSD) is environment-dependent as follows:

Environment	Namespace Domain
Market and Performance Stage	oasismap.caiso.com
Production	oasis.caiso.com

Note: The Stage environment is no longer accessible externally.

Market participants who opt to download any of the four new reports (XML) and validate against the schema file must use the updated "OASISReport.xsd" schema file posted.