



California ISO

Release Notes

CMRI - Acceptable Use Policy Fall 2016

Version 1.0

January 15, 2016



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

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REVISION HISTORY

VERSION NO.	DATE	DESCRIPTION
1.0	01/15/2016	Initial version

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Release Identification

Application/System Name	CMRI – Customer Market Results Interface
Version Identifier	CMRI Acceptable Use Policy 1.0.0
Production Release	Fall 2016
Projects	Acceptable Use Policy

Enhancements/Modifications Included

[Graphical User-Interface \(GUI\) Application](#)

There are no modifications to the graphical user-interface application in this release.

[API - Web Services](#)

For this release, the acceptable use policy (one service per 5-second period) will be enforced on all CMRI web services. For further details, please refer to the Acceptable Use Policy document at: http://www.caiso.com/Documents/CMRI-AUP-TechnicalSpecifications_v1_0_1_Fall2016Release.pdf

There are no modifications to the following with the Acceptable Use Policy software deployment and enforcement:

- All existing CMRI web services and endpoints
- CMRI application technical specifications document

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Appendix Section

Examples of successful and violation requests:

✓ SUCCESSFUL	✗ VIOLATION
10:00:00 am Day-ahead retrieveSchedulePrices marketType=DAM;executionType=IFM	10:00:00 am FMM/15min retrieveSchedulePrices marketType=RTM; executionType=RTUC
10:00:05 am FMM/15min retrieveSchedulePrices marketType=RTM;executionType=RTUC	10:00:00 am FMM/15min retrieveSchedulePrices marketType=RTM; executionType=RTUC
10:00:10 am RTD/5min retrieveSchedulePrices marketType=RTM;executionType=RTD	-----
-----	10:00:00 am FMM/15min retrieveSchedulePrices marketType=RTM; executionType=RTUC
10:00:00 am FMM/15min retrieveSchedulePrices marketType=RTM;executionType=RTUC	10:00:02 am FMM/15min retrieveSchedulePrices marketType=RTM; executionType=RTUC
10:00:05 am FMM/15min retrieveSchedulePrices marketType=RTM;executionType=RTUC	-----
	10:00:00 am RTD/5min retrieveSchedulePrices marketType=RTM; executionType=RTD
	10:00:04 am RTD/5min retrieveSchedulePrices marketType=RTM; executionType=RTD
<p>There should only be one unique "request" within a 5-second period.</p>	<p>If the "request" count is more than once in a 5 second period, the second (and subsequent) request will get the 429 error code.</p> <p>429 Too Many Requests (RFC 6585) The user has sent too many requests in a given amount of time. Intended for use with rate limiting schemes</p>

Summary list of existing CMRI services, and additional parameters to uniquely define each request:

Service Endpoint and NamedUser	Service Endpoint, NamedUser and Request parameters	
1 RetrieveCMRInterTieResourceTransactionID	1 RetrieveContractUsage	marketType = DAM or RTM
2 RetrieveConformedDispatchNotice	2 RetrieveDefaultBidCurves	marketType = DAM or RTM
3 RetrieveConvergenceBidAwards	3 RetrieveEIMEntityMarketBaseSchedules	marketType = DAM or RTM
4 RetrieveCRRAdjustmentConstraints	4 RetrieveEIMEntityTransferLimit	marketType=RTM and executionType=RTUC, RTD
5 RetrieveCRRAdjustmentFlowImpact	5 RetrieveEIMTransferLimit	marketType=RTM and executionType=RTUC, RTD
6 RetrieveCRRAdjustmentPrices	6 RetrieveEIMTestResults	marketType = DAM or RTM
7 RetrieveEIMBidCapacityPercentage	7 RetrieveEIMTransfer	marketType=RTM and executionType=RTUC, RTD
8 RetrieveDefaultRMRCosts	8 RetrieveExpectedEnergyAllocationDetails	energyBidType = Final or Default
9 RetrieveEIMEntityCMRInterTieResourceTransactionID	9 RetrieveFinallyQualifiedLoadFollowingCapacity	marketType = DAM or RTM
10 RetrieveExpectedEnergy	10 RetrieveFlexRampCapacity	marketType = DAM or RTM
11 RetrieveISOCommitmentCostDetails	11 RetrieveLoadBaseSchedules	marketType = DAM or RTM
12 RetrieveNonDispatchableTimeRanges	12 RetrieveMarketAwards	marketType=DAM and executionType=IFM; marketType=RTM and executionType=RTUC, RTD, HASP
13 RetrieveStartUpShutDownInstructions	13 RetrieveMarketBaseSchedules	marketType = DAM or RTM
14 RetrieveTwoDayMSSALoadForecast	14 RetrieveMarketForecast	marketForecastType = RTUC or RTD
15 RetrieveUnitCommitments	15 RetrieveMarketSchedules	marketType=DAM and executionType=IFM; marketType=RTM and executionType=RTUC, RTD, HASP
	16 RetrieveMPMResults	marketType=DAM and executionType=IFM; marketType=RTM and executionType=RTUC, RTD, HASP
	17 RetrieveRMRDispatches	marketType = DAM or RTM
	18 RetrieveSchedulePrices	marketType=DAM and executionType=IFM; marketType=RTM and executionType=RTUC, RTD, HASP