




California ISO

Market Simulation Structured Scenarios

Flexible Ramp Product

Version 1.0

07/11/2022

	Market Simulation Templates Program Office	Template Version:	1.1
		Template Date:	03/30/2011
ISO External Market Simulation Structured Scenarios		Document Version:	0.1
		Effective Date	7/11/2022

Location of Document

[Release Planning](#)

Revision History

Date	Version	Description	Author
07/11/2022	1.0	Document Created	Anshuman Vaidya



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1. Introduction

The objective of this document is to provide the information needed to ISO Market Participants to participate in the Flexible Ramp Product simulation scenarios.

For the scope of this implementation and this initiative, please refer to the Flexible Ramp Product External Business Requirements Specification –

[Release Planning](#)

2. Structured Scenarios Approach

2.1 High Level Overview

The identified scenarios will be executed during the structured scenario portion of the Flexible Ramp Product Readiness market simulation.

2.2 Structured Scenarios Conditions and Setup


The following additional setup will be used by the ISO during the scenario execution.

Market Participant pre-Market Simulation Actions

Market participants will need to register their request with the ISO to participate in the Flexible Ramp Product project simulation via the MarketSim@caiso.com mailbox.


Market participants, submit your request and any additional information requested in this document by Aug 12th, 2022.

Please submit your request and any additional information identified above by Aug 12, 2022.

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2.3 Structured Scenarios

Scenario Number	Unstructured guided scenario	
1	Description	Demonstrate the variability of locational pricing for FRU/ FRD.
	ISO Actions	N/A
	EIM Market Participant Actions	Market Participants should input economic energy bids to observe results
	ISO Market Participant Actions	N/A
	Expected Outcome	Verify the results in OASIS
	Anticipated Settlement Outcome	Flex Ramp Prices used in settlements will reflect the new locational pricing for FRD
	Expected Settlement Outcome	CC 7070, CC 7071, CC 7076, CC 7077, CC 7078

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Scenario Number	Scenario Execution Trade Date: TBD	
2	Description	Demonstrate the Settlements processing for FRP PASS/FAIL.
	ISO Actions	N/A
	EIM Market Participant Actions	Market Participants should input less than optimal flexible ramping requirements to fail the sufficiency test.
	ISO Market Participant Actions	N/A
	Expected Outcome	FRP Sufficiency test Failed: FRU/FRD is still procured separately for the respective FRU/FRD requirement, but the latter is only reduced by the FRU/FRD demand elasticity in that BAA, without any FRU/FRD credit.
	Anticipated Settlement Outcome	Allocation for both Movement and Uncertainty will be driven by the Pass Group, If a BAA Passes their Sufficiency test, the allocation amount will be a prorated between the BAA over EIM Area (All BAAs that belong to Pass Group). If a BAA Fails their Sufficiency test, the allocation amount will be directly allocated/isolated to the individual BAA.
	Expected Settlement Outcome	CC 7070, CC 7071, CC 7076, CC 7077, CC 7078, PC Flexible Ramp Product

3. ISO Market Simulation Contact

Please contact MarketSim@caiso.com if you have any questions or concerns regarding these scenarios.