



California ISO

Release User Group Agenda

January 10, 2023

10:00 a.m.–11:00 a.m. (Pacific Time)

Web Conference Information	Conference Call Information
<p>Web Address: https://caiso.webex.com/caiso/j.php?MTID=m8f4dee2c7059898b3609c46be3cd2c20</p> <p>Audio connection instructions will be available after connecting to the web conference. When prompted, select "Call me" and enter the phone number you will use during the call. You will be called by the conference shortly.</p>	<p><i>1-844-621-3956 United States Toll Free</i> <i>+1-650-479-3208 United States Toll</i> <i>Meeting number (access code): 2491 042 7352</i></p>
<p>Calls and webinars are recorded for stakeholder convenience, allowing those who are unable to attend to listen to the recordings after the meetings. The recordings will be publicly available on the ISO web page for a limited time following the meetings. The recordings, and any related transcriptions, should not be reprinted without the ISO's permission.</p>	
<p>https://www.caiso.com/informed/Pages/MeetingsEvents/UserGroupsRecurringMeetings/Default.aspx#RUG</p>	
<p>http://www.caiso.com/informed/Pages/ReleasePlanning/Default.aspx</p>	

Release User Group Agenda

January 10, 2023

10:00 a.m. – 11:00 a.m. (Pacific Time)

Time	Topic	Facilitator
10:00 – 10:05	Introduction	Trang Vo
10:05 – 10:45	Release Plan	Trang Vo Ken Kasparian Jami Herguth

ISO Training Schedule

Training Course	Date and time
Hybrid Resources Phase 2B Refresher Training*	January 24 8:30am – 10am PPT
FRP Refinements – Deliverability Refresher Training*	January 25 1pm – 2:30pm PPT
ISO Workshop: Introduction to ISO Markets	March 7 and 8 9am – 12pm PPT
ISO Workshop: Market Transactions	March 14 and 15 9am – 12pm PPT
ISO Workshop: ISO Settlements	March 21 and 22 9am – 12pm PPT

*If you have questions that you would like addressed in the upcoming refresher training please submit them at the following link: <https://www.surveymonkey.com/r/CAISOreleasetrainingquestions>

Are you looking for more training?

The ISO Learning Center has computer based training available for lots of topics. Check out the Learning Center: <http://www.caiso.com/participate/Pages/LearningCenter/default.aspx>



Release Plan Summary 2022 - 2023

Fall 2022 Release

Central Procurement Entity Implementation; Effective 1/1/23 ✓

Flexible Ramping Product Improvements – Deliverability; Activation 2/1/23

Hybrid Resources Phase 2B; Activation 2/1/23

2023 Independent

Operations Systems Improvements Enhancements

WEIM Enhancements: ETSR UI

WEIM Enhancements: Shared Ramping Constraint

Release Plan Summary WEIM Spring 2023

WEIM Spring 2023 Release

WEIM 2023 – Avangrid

WEIM 2023 – El Paso Electric

WEIM 2023 – WAPA Desert Southwest Region

2022 Fall Release

Fall 2022 Release Overview

	BRS	Config Guide	Draft Tariff*	BPMs	External Training	Production Activation
Fall 2022 Release						
<u>Hybrid Resources Phase 2B</u>	V1.6 10/19/22	3 rd draft config output 8/30/22	09/17/21 Accepted 11/30/21	2/14/22 9/29/22 Mkt Ops updates Stlmt & Billing: A modification to PRR 1454 is now available as revised PRR 1481 on 11/29/22 MO updated 12/16/22	8/18/22 9/26/22 – Metering 10/6/22 – Add'l Metering Refresher 01/24/23	02/01/23
<u>FRP Improvements - Deliverability</u>	V1.2 8/22/22	Pre-prod config output file + release artifacts 11/17/22 Prod Deploy 11/30/22 Final Settlement Config Output File 11/30/22	08/31/20 Filed 8/15/22 Accepted 10/18/22	10/24/22 PRR 1473 MO updated 12/14/22; 1474 MI updated 12/13/22	9/07/22 Refresher 01/25/23	02/01/23
<u>Central Procurement Entity Implementation</u>	V1.2 9/14/22		Filed 4/8/22 Approved 7/1/22	Settlements & Billing Reliability Requirements 10/28/22	9/14/22	MF/CIRA 10/13/22 Effective Date 1/1/23 for 2023 RA Year

Fall 2022 – Hybrid Resources Phases 2-B - Overview

Project Information	Details/Date
<p>High Level Business Problem or Need</p>	<p>The ISO launched this stakeholder initiative to identify new or enhanced market rules and business processes needed to accommodate hybrid resources, resources that consist of two sets of market rule changes that will facilitate mixed-fuel type project participation (hybrid and co-located resources) in the ISO markets.</p>
<p>High Level Project Scope</p>	<p>Phase 2 focuses on modifications that will explore how hybrid generation resources can be registered and configured to operate within the ISO market. The initiative will further develop solutions allowing developers to maximize the benefits of their resource's configuration. Additionally, hybrid resource configurations also raise new operational and forecasting challenges that the ISO plans to address during this initiative.</p> <p>The Phase 2 project has been split into two separate implementations, phases 2-A and 2-B, to support strategic delivery timing. Phase 2-B information is available under the Spring 2022 release section.</p> <p>Phase 2-A was implemented on December 15, 2021. This phase focuses on implementing Ancillary Services (AS) and High Sustainable Limit (HSL) functionality with a focus on the EMS and IFM/RTM systems.</p> <p>Phase 2-B is scheduled to implement Fall 2022. This project phase focuses on implementing the Hybrid Dynamic Limit functionality, Multiple ACC, along with all remaining project scope to include changes to systems RIMS, Master File, EMS, SIBR, IFM/RTM, OASIS, ALFS, Settlements, MRI-S Metering, CMRI, MPP, Today's Outlook, ISO Today Mobile Application, Monthly Renewables Performance Report, Wind and Solar Real-Time Dispatch Curtailment Report', and the Over Supply Page.</p> <p>External BRS Posting: V1.5 posted on 8/25.</p>
<p>BPM Changes</p>	<p>Direct Telemetry, Market Instruments, Market Operations, Metering, Settlements and Billing</p>
<p>Tariff Changes</p>	<p>Proposed sections 4.18, 34.1.6.3, 30.5.6.1 Sections 27.13, 8.4.1.1(g), 8.4.3, Appendix K, Parts A, B and C, 8.2.3, 8.4.5, 34.7, 11.6.6, 4.8.2, 40.9.2 (b) (D)</p>
<p>Impacted Systems</p>	<p>ALFS, CMRI, Reporting, IFM/RTM, Master File, OASIS, RIMS, Settlements, MRI-S Metering, SIBR, MPP, Today's Outlook, ISO Today Mobile Application, Monthly Renewables Performance Report, Wind and Solar Real-Time Dispatch Curtailment Report, Over Supply Page.</p>

Fall 2022 – Hybrid Resources Phase 2-B

Milestone Type	Milestone Name	Dates	Status
Board Approval	Obtain Board of Governors Approval	Nov 18, 2020	✓
External BRS	Post External BRS (Includes Phase 2-A and 2-B)	Aug 3, 2021	✓
	Post BRS v1.3	Mar 10, 2022	✓
	BRS v 1.4	Aug 4, 2022	✓
	BRS v 1.5	Aug 25, 2022	✓
	BRS v 1.6 (few minor RIMS updates)	Oct 18, 2022	✓
Config Guides	Post Draft Config Guides	Jan 25, 2022	✓
Tech Spec	Create ISO Interface Spec (Tech spec)	Sep 10, 2021	✓
Tariff	File Tariff	Sep 17, 2021	✓
	Accepted	Nov 30, 2021	✓
Market Sim Scenarios	Post proposed scenarios (Unstructured)	Feb 8, 2022	✓
BPMs	Publish Final Business Practice Manuals for mkt sim	Feb 14, 2022	✓
	Market Operations BPM update	Sep 29, 2022	✓
	Settlements & Billing BPM update	Nov 29, 2022	✓
	Market Operations BPM update	Dec 16, 2022	✓
External Training	Deliver External Training	Aug 18, 2022	✓
	Deliver External Training - Metering Requirements	Sep 26, 2022	✓
	Deliver External Training - Metering Requirements additional discussion	Oct 6, 2022	✓
	Refresher Training	Jan 24, 2023	
Market Sim	Market Sim Window	Aug 22, 2022 – Nov 18, 2022	✓
		Start Nov 1, 2022	✓
Production Activation	Hybrid Resources Phase 2-B	Feb 1, 2023	

Fall 2022 – Flexible Ramping Product Improvements Deliverability

Project Information	Details/Date
High Level Project Scope	<p>The scope of the project FRP Deliverability is:</p> <ol style="list-style-type: none"> 1. Procurement of FRP for BAA's that fails the flex test is separate for each BAA. 2. Procurement of FRP for BAA's that pass the flex test for the entire group of BAA. 3. Transmission constraints and transfer limits are enforced in FRP deployment scenarios 4. Distributing the uncertainty requirement in each BAA load and VER locations versus just load 5. Distributing the demand curve surplus variable as a decision variable at load aggregation points (LAP) versus Balancing Authority Areas (BAA) 6. To establish the Locational Marginal Capacity Prices (LMCP) for FRP <p>The scope of the FRP Requirements Enhancements is:</p> <ol style="list-style-type: none"> 1. To enhance the current approach by adopting a quantile regression method to adjust the current flexible ramping product up and down requirement. 2. Calculation of the demand curve.
BPM Changes	Market Instruments, Market Operations
Tariff Change	Yes
Impacted Systems	RTM, Settlements, CMRI/OASIS
System	High Level Changes
Real Time Markets (RTM)	<ul style="list-style-type: none"> • RTM to be impacted based on the change in the FRP procurement systems. • Input data needed for forecasted advisory in the binding interval for RTPD for approx. 40 work days or weekends. • New demand curve calculation is needed.
Settlements	<ul style="list-style-type: none"> • Prices are nodal therefore mechanics for cost allocation pricing to be changed • Nodal FRP prices
CAISO Market Results Interface (CMRI)/ Open Access Same time Information (OASIS)	<ul style="list-style-type: none"> • Publish Resource Nodal prices for the FRP awards (CMRI) • Publish requirements for FRP per BAA and BAA group (OASIS) • Publish surplus by LAP (OASIS) • Publish the nodal FRP prices (OASIS)

Fall 2022 – Flexible Ramping Product Improvements Deliverability

Milestone Type	Milestone Name	Dates	Status
Board Approval	Obtain Board of Governors Approval	Sept 30, 2020	✓
External BRS	Flexible Ramp Product: Deliverability	Jan 28, 2021	✓
	Flexible Ramp Product: Requirements Enhancements	Mar 11, 2022	✓
	BRS 1.1	Aug 1, 2022	✓
	BRS 1.2	Aug 22, 2022	✓
Tariff	File Tariff	Aug 15, 2022	✓
	Tariff Accepted	Oct 18, 2022	✓
BPMs	Publish Draft BPM updates	Oct 24 2022	✓
	PRR Modifications	Dec 13-14, 2022	✓
Config Guides	Post Draft Config Guides	Jun 30, 2022	✓
Tech Spec	Publish Technical Specification – OASIS	July 15, 2022	✓
	Revise Technical Specification – OASIS Flex Ramp Nodal Price Group zip break down to single hour	Jan 2023	
External Training	Deliver External Training	Sep 7, 2022	✓
	Refresher Training	Jan 25, 2023	
Market Sim	Market Sim Window	Oct 11, 2022 – Nov 18, 2022	✓
		Start Oct 18, 2022	✓
Production Activation	FRP Deliverability	Feb 1, 2023	

Fall 2022 – Central Procurement Entity Implementation

Project Information	Details		
High Level Project Scope	<p>The CAISO tariff currently allows LSEs to aggregate responsibilities to procure Local Capacity Area Resources. However, given the unique nature of the CPE as outlined in CPUC D. 20-06-002, relying solely on this existing tariff provision is not sufficient to facilitate implementation of the CPE construct. The CAISO has identified additional needed tariff, software, and business process enhancements. Although the CPUC's CPE order is the impetus for this stakeholder initiative, the CAISO does not propose to limit a CPE to CPUC-jurisdiction LSEs. The CAISO instead proposes to allow all Local Regulatory Authorities (LRAs) to designate a CPE to procure local resources on behalf of its LSEs and that LRAs may designate the same CPE to procure local resources on behalf of the LSEs under the jurisdiction of those multiple LRAs.</p> <p>Scope:</p> <ol style="list-style-type: none"> 1. Recognizing a Central Procurement Entity (CPE) 2. System and Local Obligation for CPE and LSEs with Load in Multiple Transmission Access Charge (TAC) Areas 3. Allocation of System and Flexible Attributes of Local Resource Adequacy (RA) Resources 4. Clarification of Capacity Procurement Mechanism (CPM) Process and Cost Allocations in regards to CPE changes 		
BPM Changes	<ul style="list-style-type: none"> - Reliability Requirements - Settlements and Billing 		
Tariff Change	Yes		
Impacted Systems	MF, CIRA, Settlements		
Milestone Type	Milestone Name	Dates	Status
Board Approval	Obtain Board of Governors Approval	N/A	
External BRS	Central Procurement Entity BRS	Apr 8, 2022	✓
Tariff	File Tariff	Apr 8, 2022	✓
BPMs	Publish Draft BPM updates	Aug 26, 2022	✓
Config Guides	Post Draft Config Guides	Jun 30, 2022	✓
Tech Specs	Publish Technical Specifications	N/A	
External Training	Deliver External Training	Sep 14, 2022	✓
Market Sim	Market Sim Window	Sep 19, 2022 – Sep 30, 2022	✓
Production Activation	MF and CIRA availability for registrations	Oct 13, 2022	✓
	RA/Supply Plan due dates for 2023 annual plans	Oct 31, 2022	✓
	RA/Supply Plan due date for Jan 2023 monthly plans	Nov 17, 2022	✓
	Full project activation	Jan 1, 2023	✓
2023 RA & CSP Due Dates for all LSEs & CPEs	https://www.caiso.com/Documents/2023ResourceAdequacyandCompetitiveSolicitationProcessDueDates.pdf		

Independent 2023 Releases

WEIM Enhancements

Project Information	Details/Date
High Level Business Problem or Need	To collectively address important issues identified by WEIM market participants through Customer Inquiry, Dispute and Information system (CIDI) requests to improve the visibility, functions and features in Energy Imbalance Market (WEIM).
High Level Project Scope	<ul style="list-style-type: none"> • BAAOP: ETSR detail screen will be available to BOTH RTMO and WEIMs. (First drop for testing will only be available to RTMO). • BAAOP: WEIM shared ramping constraint IS NOT editable through UI.
BPM Changes	WEIM, Market Instruments
Tariff Change	Section 29.4
Impacted Systems	RTM/BAAOP, RTM/Integration

System	High Level Changes
Real-Time Market (RTM)	<p>BAAOP: ETSR detail screen will be available to BOTH RTMO and WEIMs. (First drop for testing will only be available to RTMO).</p> <ul style="list-style-type: none"> • New ETSR detail screens
Real-Time Market (RTM)	<p>BAAOP: WEIM shared ramping constraint IS NOT editable through UI.</p> <ul style="list-style-type: none"> • Shared ramping capability constraint • UI for WEIM entity input parameters for ramp sharing • Use in the optimization for each resource based on BAA ramp share parameters

Operations Systems Improvements 2021/2022 Enhancements

Project Information	Description
<p>High Level Business Problem or Need</p>	<ul style="list-style-type: none"> The goal of this project is to deliver timely systems improvements that support efficient day-to-day work and operations. The project aims to improve market robustness, performance, and the technology foundation for system grid reliability by updating functionality and interfaces to reduce workarounds, automating manual processes and addressing functionality enhancements. A list of specific high priority improvements will be the scope for the project. A number of these improvements may have an impact on the way in which customers interact with CAISO systems.
<p>Affected Systems</p>	<ul style="list-style-type: none"> A preliminary list of enhancements is included on the next slide. <p>PLEASE NOTE: This list may change as the project progresses and priority are factored. The goal is to provide advanced notification of changes whenever possible</p>
<p>Schedule</p>	<ul style="list-style-type: none"> External BRS 2022 External BRS v1.0 Published 5/3 UPDATE v1.1 Published 8/12 MAP Stage Availability Multiple* Customer Training Multiple* PROD Multiple* <p>* The plans for testing and deployment will vary between improvement items as these may be released individually or in groups. More information on specific improvements will be made available as planning and schedules are solidified.</p>

Operations Systems Improvements Projects

List of Proposed Improvements*

***PLEASE NOTE: This list may change as the project progresses and priorities are factored. The goal is to provide advanced notification of changes whenever possible**

2023

System	Summary Description	
RC Portal	View-based alerting: Create a view that filters the library and alerts user for changes to that specific view (when documents become available or changed).	Training Materials/Release Notes – 1/3/23 ✓
RC Portal	RAS Submit Reports workflow: Track if a report has been reviewed and communicate within the record.	
RC Portal	Add Title to TOP-003 Library: Add Title so name of document isn't only shown	PROD – 1/5/23 ✓
Market	Modify Unit Details UI	Outreach/Release Note – 2023 PROD - 2023

WEIM Spring 2023 Release

WEIM Spring 2023 – WEIM integrations for Avangrid, El Paso Electric, and WAPA Desert Southwest Region

Project Info	Details/Date
Application Software Changes	System modifications as needed to accommodate any unique Avangrid, El Paso Electric, and WAPA Desert Southwest Region needs to support their WEIM onboarding.
BPM Changes	WEIM BPM will be updated if needed to reflect changes identified during the onboarding and as required to reflect the unique processes of Avangrid, El Paso Electric, and WAPA Desert Southwest Region.
Market Simulation	December 2022 thru January 2023
Parallel Operations	February 2023 thru March 2023

Milestone Type	Milestone Name	Dates		
		Avangrid	El Paso Electric	WAPA Desert Southwest Region
Market Sim	Market Sim Window	Dec 2022 thru Jan 2023		
Parallel Operations	Parallel Operations	Feb 2023 thru Mar 2023		
Tariff	File Readiness Certification	Mar 2023		
Production	Activation	Apr 5, 2023		

Release Plan Summary 2023 – Tentative, under further assessment

2023 Independent Pre-Summer – Tentative, under further assessment

Washington WEIM Greenhouse Gas Enhancements Phase 1
Ancillary Service State of Charge Constraint

2023 Pre-Summer – Tentative, under further assessment

Energy Storage Enhancements Phase 1 Track 1 – Ancillary Services & Exceptional Dispatch
WEIM Resource Sufficiency Evaluation Enhancements Phase 2 Track 1

Future Release – Tentative, under further assessment

Day-Ahead Market Enhancements
Extended Day-Ahead Market

Overview - Tentative

Release	Project	BOG	Draft Tariff	Production Activation
2023 Independent Pre-Summer	Washington WEIM Greenhouse Gas Enhancements Phase 1	Oct 2022 - Approved	10/22/22	2023
	Ancillary Service State of Charge Constraint		Filed 09/19/22 Accepted 11/18/22	2023
2023 Pre-Summer	Energy Storage Enhancements Phase 1 Track 1 – Ancillary Services & Exceptional Dispatch	Dec 2022 - Approved		6/1/23
	WEIM Resource Sufficiency Evaluation Enhancements Phase 2 Track 1	Dec 2022 - Approved	Revised 12/12/22	6/1/23
Future Release	Day-Ahead Market Enhancements	Feb 2023 - Decision		
	Extended Day-Ahead Market	Feb 2023 - Decision		

Independent 2023 – WA WEIM GHG Enhancements- Overview

Project Information	Details/Date
High Level Business Problem or Need	Pursuant to the State of Washington’s recently revised Clean Air Act, Washington will require reporting of emissions associated with WEIM transactions for year 2022 and beyond. In addition to emissions reporting, WA State generating resources will need to capture GHG costs in their reference levels.
High Level Project Scope	<ol style="list-style-type: none"> 1. Identify resources within the Washington State Boundary 2. Update greenhouse gas reference levels (i.e. default energy bids and commitment costs) 3. Develop reports to support WEIM Entity annual reporting to Washington State)
BPM Changes	Energy Imbalance Market (EIM), Market Instruments
Tariff Changes	Sections 30.4.4.5, 30.4.5.2, 39.6.1.6.2, 39.7.1.1.1.1, 39.7.1.1.1.2, 39.7.1.1.1.4
Impacted Systems	MF, OASIS
System	High Level Changes
MF	<ul style="list-style-type: none"> • New rule to verify that relevant resources within WA State must provide resource specified GHG emission rate • New attribute at the BAA level to identify BAAs associated with Washington State • New attribute to associate resources within WA State with the State of WA to identify resources with GHG obligation <ul style="list-style-type: none"> • Exception: BPA—not subject to WA reporting rule
OASIS	<ul style="list-style-type: none"> • Add WA GHG index prices to existing GHG Index Price OASIS report <ul style="list-style-type: none"> • Only applicable for dynamic GHG pricing

Independent 2023 – Ancillary Services State of Charge Constraint

Project Information	Details/Date
High Level Business Problem or Need	In spring of 2022, the Department of Market Monitoring (DMM) discovered undue market outcomes resulting from regulation down awards to or self-provisions by storage resources for long periods when paired with high energy bids from those resources. Both DMM and the CAISO have concluded that these excess bid cost recovery payments under these conditions cannot be justified by the principles underlying bid cost recovery.
High Level Project Scope	<p>Make storage resources ineligible for Bid Cost Recovery (BCR) uplift for certain market intervals in real time:</p> <ul style="list-style-type: none"> • When the market state of charge (SOC) constraint is binding due to AS Awards causing the market to dispatch resource energy uneconomically. • Retroactively settle relevant intervals (beginning with effective date of 09/20/2022)
BPM Changes	Market Instruments, Market Operations, Settlements and Billing
Tariff Changes	Sections 8.4.3, 8.4.1.1(g), 11.6.6 Note: Tariff filing completed on 09/19/2022
Impacted Systems	RTM, Settlements, CMRI
System	High Level Changes
Real Time Markets (RTM)	Capture RTD/RTPD AS SOC binding constraint shadow price data
Settlements	Design new bill determinants and configurations using the RTD/RTPD AS SOC binding constraint shadow price data for calculation of BCR ineligibility
CAISO Market Results Interface (CMRI)	Develop new external report to inform on AS SOC binding constraint for settlement purposes (resource specific—private report)

Stay Informed

Ways to participate in releases

- Visit the Release Planning page
 - <http://www.caiso.com/informed/Pages/ReleasePlanning/Default.aspx>
- Attend meetings
 - Release Users Group (RUG) bi-weekly meetings
 - Initiative status updates
 - System change updates on independent releases
 - Market Simulation calls
 - Visit the ISO calendar at www.caiso.com for meeting dates and times and add events to your calendar
 - Typically held on Mondays and Thursdays
 - Market Performance and Planning Forum
 - Bi-monthly review of market performance issues
 - High level discussion of release planning, implementation and new market enhancements

What to look for on the calendar...

Calendar of Meetings, Training and Events

Month: February Year: 2018 Calendar View List View Print View

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	5 WebCONF: Market Simulation 2:00pm - 3:00pm	6 Training: Get to Know the ISO - Day 1 9:00am - 4:00pm WebCONF: Imbalance Conformance Enhancements 10:00am - 12:00pm WebCONF: Technical User Group 10:00am - 11:00am	7 Deadline: Comments - Interconnection Process Enhancements 2018 - Issue Paper and Meeting Discussion Training: Get to Know the ISO - Day 2 9:00am - 4:00pm Meeting: Flexible Resource Adequacy Criteria Must Offer Obligation Phase 2 - Revised Draft Flexible Capacity Framework 10:00am - 4:00pm WebCONF: Market Settlement User Group 10:00am - 11:00am	8 Meeting: Audit Committee Teleconference (Executive) 3:30pm - 6:30pm Training: Settlements 101 9:00am - 4:00pm Meeting: 2017-2018 Transmission Planning Process 10:00am - 4:00pm WebCONF: Market Simulation 2:00pm - 3:00pm	9 Training: Settlements 201 9:00am - 4:00pm	10
11 WebCONF: Participating Transmission Owner Per Unit Cost Guides 10:30am - 12:00pm WebCONF: Market Simulation 2:00pm - 3:00pm	12 Meeting: Congestion Revenue Rights Auction Efficiency 10:00am - 4:00pm WebCONF: Release User Group 10:00am - 11:00am Call: Energy Imbalance Market Governing Body Teleconference (Executive) 11:30am - 12:30pm	13 Deadline: Submissions - April 2018 Monthly Resource Adequacy and Supply Plans Call: Congestion Revenue Rights 11:00am - 11:30am WebCONF: Outage Management System Customer Partnership Group 2:00pm - 3:00pm	14 Deadline: Comments - Review Transmission Access Charge Structure Straw Proposal and Meeting Discussion Call: Board of Governors Teleconference (General) 3:15pm - 6:00pm Call: Board of Governors Teleconference (Executive) 9:00am - 10:00am Call: Market Update 10:15am - 11:00am WebCONF: Market Simulation	15	16	17

Market Sim



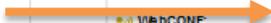
WebCONF: Market Simulation
2:00pm - 3:00pm

Market Sim



WebCONF: Market Simulation
2:00pm - 3:00pm

Release Users Group (RUG)



WebCONF: Release User Group
10:00am - 11:00am