

Markets Gateway Enhancements



Cheryl Mae Velasco
Engineer, Real Time Market Operations
Market Implementation Committee
July 12, 2017

- Reason for change
 - Member requests
 - Increase flexibility for generators
 - Enhance system control and constraint control
- Timeline
 - Sandbox environment: Beginning June 2017
 - Production environment: July 18, 2017
- Enhancements are optional – no errors returned if values are not submitted

- **Min Offer MW**
 - Located under Generator > Regulation Market > Updates
 - Will allow participants to submit the minimum MW value to clear for Regulation on an hourly basis (currently only able to update daily)
- **Up Ramp Rate (formerly called Ramp Rate)**
 - Located under Generator > Unit
 - Participants can now submit up to 20 segments
- **Down Ramp Rate**
 - Located under Generator > Unit
 - New feature
 - Value must be greater than or equal to up ramp rate

- Bilaterals
- Con Edison
- Demand
- ▶ Demand Response
- ▼ Generator
 - Unit
 - Schedules
 - Dispatch Lambda
 - Market Results
 - Regulation Market
 - Synchronized Reserve Mar
 - Day-Ahead Scheduling Res
- Interface Pricing
- Opportunity Cost Calculator
- Parameter Limits
- Price Responsive Demand
- ▶ Public
 - System Utilities
 - Up-To-Transaction
 - Virtual
 - Weather Forecast

Market Day Portfolio Location

Offers **Updates**

Company >> Market Day >> Resource1 (ResourceID)

Reg. A MW : 30.0 Reg. Min. MW : 70.0 Reg. Max. MW : 140.0 Commit Status : Available Reg. D MW : 30.0 Reg. D Commit Status : Available Reduced Ramp Rate (%) : 0.0

<input type="checkbox"/>	Hour	Reg. Min. MW	Reg. Max. MW	Reg. A MW	Reg. A Self Scheduled	Reg. A Available	Reg. D MW	Reg. D Self Scheduled	Reg. D Available	Spilling	Reduced Ramp Rate (%)	Min. Offer MW
<input type="checkbox"/>	1				-	Available		-	Available	-	0	
<input type="checkbox"/>	2				-	Available		-	Available	-	0	
<input type="checkbox"/>	3				-	Available		-	Available	-	0	
<input type="checkbox"/>	4				-	Available		-	Available	-	0	
<input type="checkbox"/>	5				-	Available		-	Available	-	0	
<input type="checkbox"/>	6				-	Available		-	Available	-	0	
<input type="checkbox"/>	7				-	Available		-	Available	-	0	
<input type="checkbox"/>	8				-	Available		-	Available	-	0	
<input type="checkbox"/>	9				-	Available		-	Available	-	0	
<input type="checkbox"/>	10				-	Available		-	Available	-	0	
<input type="checkbox"/>	11				-	Available		-	Available	-	0	
<input type="checkbox"/>	12				-	Available		-	Available	-	0	

- Bilaterals
- Con Edison
- Demand
- ▶ Demand Response
- ▼ Generator
 - Unit
 - Schedules
 - Dispatch Lambda
 - Market Results
 - Regulation Market
 - Synchronized Reserve Mar
 - Day-Ahead Scheduling Res
- Interface Pricing
- Opportunity Cost Calculator
- Parameter Limits
- Price Responsive Demand
- ▶ Public
 - System Utilities
 - Up-To-Transaction
 - Virtual
 - Weather Forecast

Market Day Portfolio Location

Hourly Updates | Detail | **Energy Ramp Rates** | Synchronized Reserve Ramp Rates | Wind Forecast

Company >> Market Day >> Resource1 (ResourceID)

MW	Up Ramp Rate	Down Ramp Rate
50.0	6.0	6.0
60.0	10.0	11.0
70.0	12.0	12.0
80.0	13.0	13.0
90.0	14.0	14.0
100.0	15.0	15.0
110.0	20.0	20.0
120.0	21.0	22.0
130.0	22.0	22.0
140.0	23.0	23.0
150.0	24.0	24.0
160.0	25.0	25.0
170.0	26.0	26.0
180.0	27.0	27.0
190.0	28.0	28.0
200.0	29.0	29.0
210.0	30.0	30.0
220.0	30.0	30.0
230.0	30.0	30.0
240.0	30.0	30.0

- Additional Ramp Rate segments are now permitted up to 20 segments
- Down Ramp Rate must be greater than or equal to up ramp rate
- New Data is also supported via XML Submittals