

# Bidding Rules Enhancement Part B (BREB)

2017 Independent Release



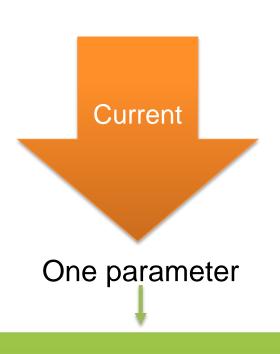
#### Objectives

- Identify new fuel region and electric region designations to be updated in Master File
- Using CIDI:
  - request assignment of a fuel region and electric region to a resource
  - submit evidence to validate the fuel region and electric region for each resource
- As needed, request the creation of a new fuel region or electric region to accurately reflect geographically appropriate, resource specific costs
- View report changes in CMRI and OASIS

#### Bidding rules enhancement part B (BREB)

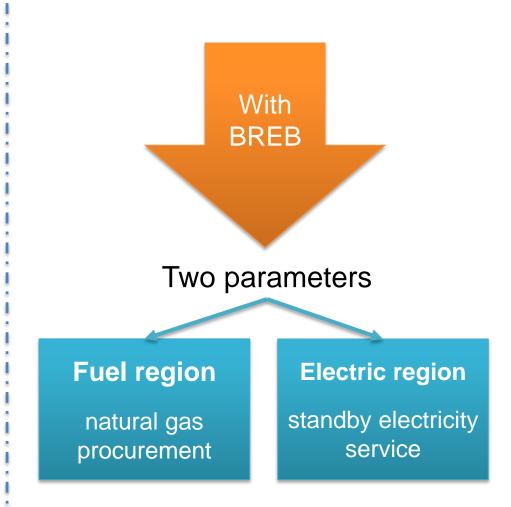
- The purpose of this initiative is to:
  - –refine and improve parameters used in commitment costs and in default energy bids
  - allow for custom fuel regions that accurately reflect natural gas procurement

#### Bidding rules enhancement part B (BREB) overview



#### Fuel region:

- natural gas procurement
- standby electricity service



### **FUEL REGIONS**



#### Fuel region composition

#### The daily fuel region price is composed of:

- Natural Gas Pricing Hub Index (\$/MMBtu)
- Marginal Transportation Rates (\$/MMBtu)
- Cap-and-trade credits to the base natural gas transportation rate
- Fuel Reimbursement Rate adjustments to the base natural gas transportation rate
- Miscellaneous costs including taxes

#### How fuel region names will change for resources

 All fuel regions will start with the prefix "FR" and include a "GHG" option

• Example: current fuel region SCE1 will become 2 fuel

regions



SoCal Gas Tariff Transportation Cost < 3 mil therms

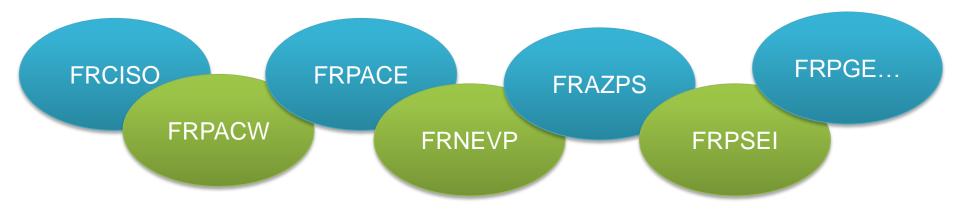


SoCal Gas Tariff Transportation Cost < 3 mil therms + CARB cap-and-trade credit



#### BAA aggregated fuel region names

- In addition to specific fuel regions, there will also be aggregated BAAregional fuel regions which are set daily by the minimum of all fuel region prices within that BAA
- These aggregated BAA fuel region names are shown below:

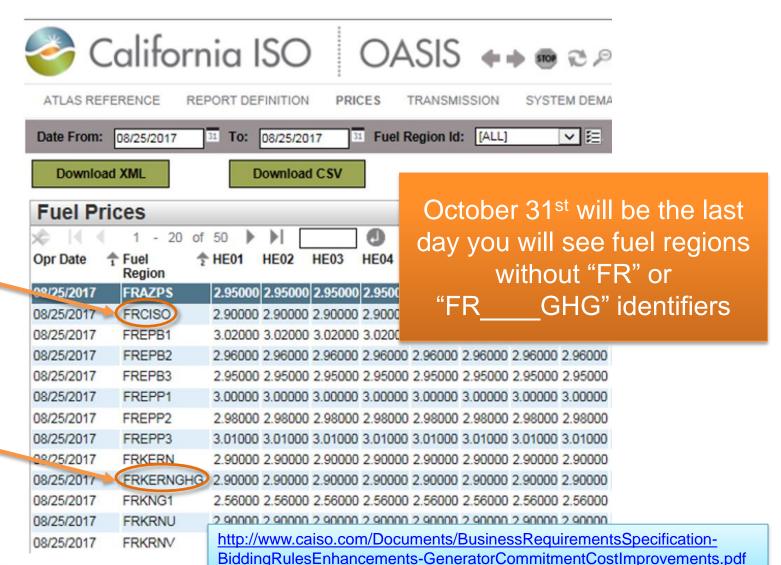


List of approved fuel regions:

http://www.caiso.com/Documents/FuelRegion\_ElectricRegionDefinitions.xlsx



#### Fuel Prices Report on OASIS



**FRCISO** 

**FRCISOGHG** 



# So what do you need to do?



#### Submit a CIDI ticket

Scheduling Coordinators <u>must</u> submit a CIDI ticket with evidence of their fuel regions by November 17<sup>th</sup>

Most recent invoice!

 Resources that do not submit evidence to support a fuel region by November 17<sup>th</sup> will be set to the aggregated BAA default fuel regions on December 1<sup>st</sup>



# How to designate your CIDI submission for fuel regions

Select the **Production** environment

#### Select the correct option below to add to the subject line:

- Assign a resource to a Gas Price Index Fuel Region
- Establish a Gas Price Index Fuel Region

### **ELECTRIC REGIONS**



#### Electric region names – new field

- All electric regions will start with the prefix "ER"
- Example:
  - –CURRENTLY: fuel region SCE1 is used to define an electric region as SCE standby service
  - -FUTURE: electric regions will have their own designation



List of approved fuel regions:

http://www.caiso.com/Documents/FuelRegion\_ElectricRegionDefinitions.xlsx



#### Electric region as of November 1st

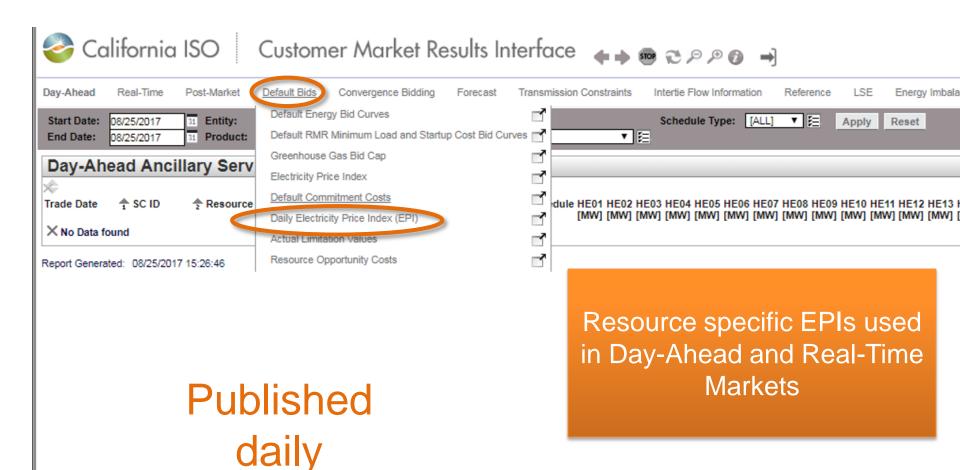
• Each resource will default to a wholesale electric region where the wholesale electricity price index for a resource is calculated as follows:

Wholesale EPI = (Forward Monthly Gas Price\* + Total Transportation Cost + Miscellaneous Tax-based Cost + Miscellaneous Non Tax-based Cost) \*10

 A resource that pays a retail electricity price for its auxiliary power can submit a request to establish a retail electric region OR request an assignment to one of the currently implemented retail electric regions

\*Forward monthly gas price is the <u>average of the closing</u> gas prices for the gas delivery points for trading days that existed typically 2 days before the end of the current calendar month, for delivery in the next calendar month

#### Redesigned Electricity Price Index CMRI report

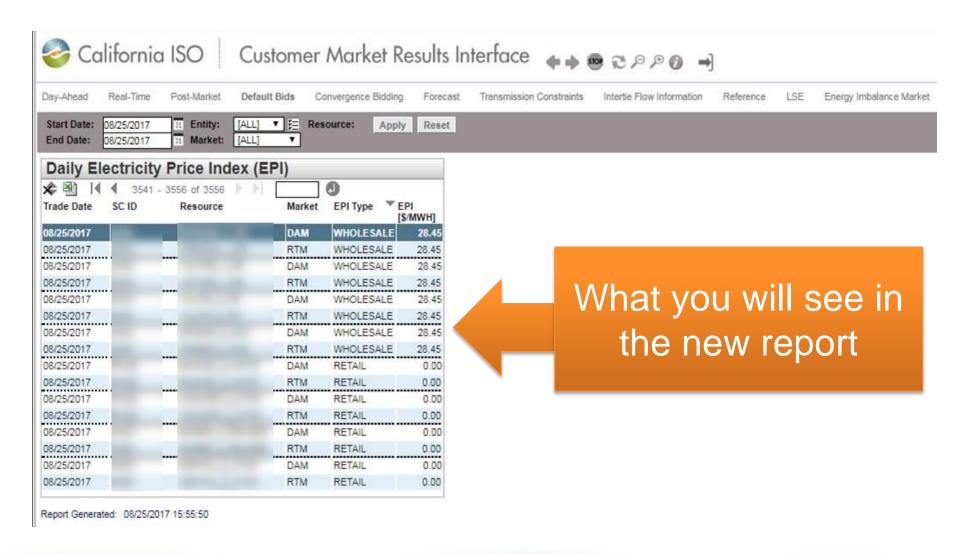


## Existing "Electricity Price Index" report which has monthly EPIs will no longer be populated following this project activation

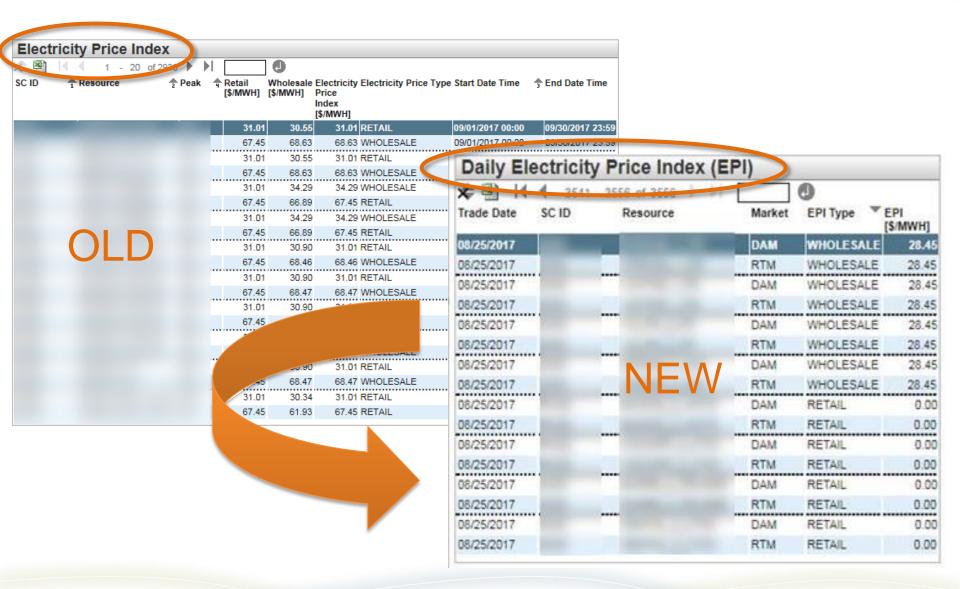
Electricity Price Index								
X E	1 28	or 2936	Datail	0	Flactainita	Flactricity Price	Torre Start Data Time	A Food Pote Time
SC ID	↑ Resource	- Peak - ¶	Retail [\$/MWH]	[\$/MWH]	Price Index	Electricity Price	Type Start Date Time	♠ End Date Time
					[\$/MWH]			
			31.01			RETAIL	09/01/2017 00:00	09/30/2017 23:59
			7 45	68.63	68.63	WHOLESALE	a/01/2017 00:00	09/30/2017 23:59
			31.	30.55	31.01	RETAIL	09/01/2017 00:00	09/30/2017 23:59
			67.45	68.63	68.63	WHOLESALE	09/01/2017 00:00	09/30/2017 23:59
			31.01	29	34.29	WHOLES &	09/01/2017 00:00	09/30/2017 23:59
			67.45	ه.66	67.45	RETA′	09/01/2017 00:00	09/30/2017 23:59
			31.01	34.29	34.29	W JLESALE	09/01/2017 00:00	09/30/2017 23:59
			67.45	66.89	6	KETAIL	09/01/2017 00:00	09/30/2017 23:59
			31.01	30.90	.0.	ETAIL	09/01/2017 00:00	09/30/2017 23:59
			67.45	68.46	68.46	Wi LESALE	09/01/2017 00:00	09/30/2017 23:59
			31.01	30	31.01	RETAIL	09/01/2017 00:00	09/30/2017 23:59
			67.45	6.47	68.47	WHOLESA.	09/01/2017 00:00	09/30/2017 23:59
			31.01	30.90	31.01	RETAIL	09/01/2017 00:00	09/30/2017 23:59
			67 2	68.47	68.47	WHOLESALE	09/01/2017 00:00	09/30/2017 23:59
		***	<i>\$</i> 1.01	30.90	31.01	RETAIL	01/2017 00:00	09/30/2017 23:59
			67.45	68.47	68.47	WHOLESALE	09/01/2017 00:00	09/30/2017 23:59
			31.01	30.90	31.01	RETAIL	09/01/2017 00:00	09/30/2017 23:59
			67.45			WHOLESALE	09/01/2017 00:00	09/30/2017 23:59
		***	31.01	30.34		RETAIL	09/01/2017 00:00	09/30/2017 23:59
			67.45			RETAIL	09/01/2017 00:00	09/30/2017 23:59
			07.43	01.93	07.45	NETAIL	08/01/2017 00:00	UBIOUIZU11 Z3.58



#### Redesigned Electricity Price Index CMRI report



#### Redesigned Electricity Price Index CMRI report





# So what do you need to do to request a retail electric region?



#### Submit a CIDI ticket

Scheduling Coordinators may submit a CIDI ticket with evidence of their retail electric region by November 17th

 Resources that do not submit evidence to support a retail electric region by November 17<sup>th</sup> will remain assigned to their wholesale electric region on December 1<sup>st</sup>



invoice!

How to designate your CIDI submission for electric region

Select the **Production** environment

#### Select the correct option below to add to the subject line:

- Assign resource to a Retail Electric Region
- Establish a Retail Electric Region

#### IMPLEMENTATION TIMELINE



#### **Timeline**

#### Market Sim



- Fuel regions set to align with current regions
- Electric region to default to wholesale

#### Implementation

#### Nov 1

- All fuel region names updated in production
- Electric region assigned to wholesale

#### Submit evidence

#### Prior to Nov 17

 Submit CIDI tickets with most current gas & retail electric invoices

#### Designations effective

#### Dec 1

 Resources without evidence will be defaulted to BAA fuel region

\*market simulation dates are subject to change and will be communicated via market simulation update calls and via the market simulation portal



### **REQUESTING NEW REGIONS**



#### The process to request creation of new fuel region

- The following is required to establish a new fuel region:
  - Natural Gas Pricing Hub
  - Transportation Rates publication:
    - Transportation rates found on the gas companies' electric generation schedules and/or pipeline company pricing tariff schedule
      - Include links and location of the specific schedule
  - Evidence that base natural gas transportation rate includes capand-trade credits
  - Identification of any:
    - fuel reimbursement or shrinkage allowances
    - additional miscellaneous costs including taxes
      - Include links and the specific schedule

https://bpmcm.caiso.com/Pages/default.aspx



Market The Instruments BPM

Attachment C

PRR 1013

#### Create a new Electric Region

 New process allows for SCs to request the creation of a new Electric Region



https://bpmcm.caiso.com/Pages/default.aspx

- SCs can submit a request to establish a new retail electric region for use in the EPI
  - –The following items are required:
    - Service schedule from a retail electricity service provider
      - -Include links and the specific schedule

# What questions do you have?





For more information, please visit our website at: <a href="https://www.caiso.com">www.caiso.com</a>

Or email questions to: CustomerTraining@caiso.com





## Thank you for your participation!!

You can find this presentation on our California ISO website on our 'Training' page under the 'Participate' tab <a href="http://www.caiso.com/participate/Pages/Training/default.aspx">http://www.caiso.com/participate/Pages/Training/default.aspx</a>

