

DRHUB on-site generator/battery fields update

Demand Response Subcommittee
May 28, 2019

- Generators/ Batteries
 - Agreement Type: Required, values are “None”, “WMPA (wholesale)”, “ISA (wholesale)”, “NEM/Purpa/Other”
 - Injection Rights (MW): Required if Agreement Type is WMPA or ISA
- Deadline
 - CSP should update location information in DR Hub for injection status and associated information by 6/30/19

- WMPA – Wholesale Market Participation Agreement
- ISA – Interconnection Service Agreement
- NEM – Net Energy Metering
- Purpa – Public Utilities Regulatory Policies Act

Generator Attributes

Add Generator Hide Generator Details

Actions	ID	Name	Non-Retail BTMG	Max Output (kW)	Nameplate (kW)	Backup Generator Only	Generator Type	Fuel Type	Vintage	Retrofit Year	Permit Status	Permit Type	Note	Agreement Type	Injection Rights (MW)
	72817	My favorite generator	No	1500		Yes	Combustion Turbines	Diesel	2012		Available	Non Emergency	No	None	N/A
	72818	not my favorite	No	2000	2500	No	Internal Combustion Engine	Oil	2017		Available	Non Emergency	No	NEM/Purpa/Other	N/A

Update Generator

ID: 72817

Name: My favorite generator

Non-Retail BTMG: No

Max Output (kW): 1,500,000

Nameplate (kW):

Backup Generator Only: Yes

Generator Type: Combustion Turbines

Fuel Type: Diesel

Vintage: 2012

Retrofit Year: Select Year

Permit Status: Available

Permit Type: Non Emergency

Agreement Type: None

Injection Rights (MW) (Required for ISA and WMPA):

Note:

Select One

- None
- WMPA (wholesale)
- ISA (wholesale)
- NEM/Purpa/Other

Save Cancel

Battery Attributes

[Hide Battery Details](#)

Actions	ID	Max Output (kW)	Battery Capacity (kW 1C)	Vintage	Chemistry	Type	Note	Agreement Type	Injection Rights (MW)
	242	4500					No	WMPA (wholesale)	500

Update Battery [X]

ID:

Max Output (kW) *:

Battery Capacity (kW 1C):

Vintage:

Chemistry:

Type:

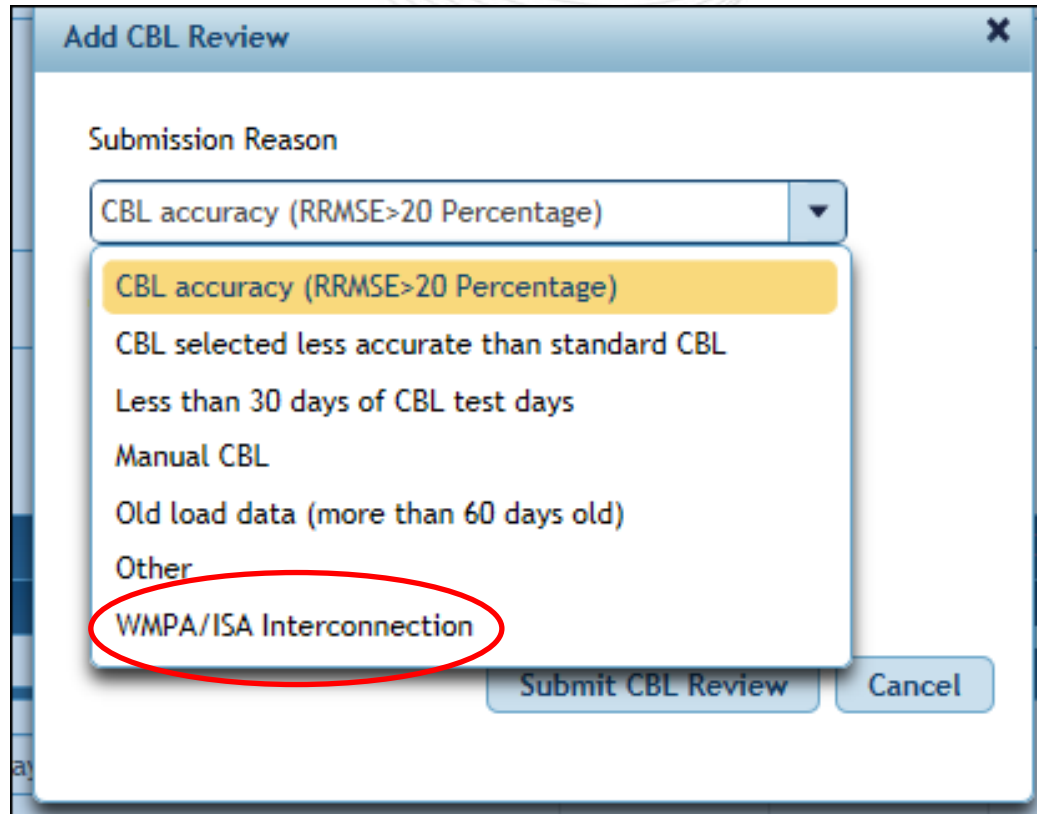
Agreement Type *: Injection Rights (MW) (Required for ISA and WMPA):

Note:

500 characters remaining

- CBL Review enhancement for **New Economic** registrations only
 - Registrations with a location with Type of Agreement = WMPA or ISA must submit a CBL Review with WMPA/ISA Interconnection reason before you may submit the registration for EDC/LSE review
 - DR Ops will contact you to discuss the Interconnection Agreement

The screenshot shows a web interface for CBL Test. At the top left, there is a 'CBL Test' button circled in red. Below it, the 'CBL Method' is set to '3 Day Types with SAA (DEFAULT)'. On the right side, there are four buttons: '+ Submit CBL Review' (circled in red), '+ Submit CBL Test', 'Add CBL Test', and 'Upload Meter Data'. The main area contains a table with the following columns: Action, Report Type, Start Date, End Date, Start Hour, End Hour, CBL Method, Date Run, Score (%), Result, # of Days, Run status, Summary, and Submitted by. The table has one row with the following data: Report Type: RRMSE, Start Hour: 14, End Hour: 19, CBL Method: 3 Day Types with SAA (DEFAULT). At the bottom, there is a pagination bar showing 'Records Per Page: 10' and '(1 of 1) 1 record(s)'.



The image shows a software dialog box titled "Add CBL Review". It features a "Submission Reason" dropdown menu with a list of options. The option "WMPA/ISA Interconnection" is circled in red. At the bottom of the dialog are "Submit CBL Review" and "Cancel" buttons.

Submission Reason

- CBL accuracy (RRMSE>20 Percentage)
- CBL accuracy (RRMSE>20 Percentage)
- CBL selected less accurate than standard CBL
- Less than 30 days of CBL test days
- Manual CBL
- Old load data (more than 60 days old)
- Other
- WMPA/ISA Interconnection

Submit CBL Review Cancel

- <!-- Added : element **agreementType** which supports Generator Info -->
- <!-- Added : element **injectionRight** which supports Generator Info -->
- <!-- Added : type **generatorAgreementTypeEnum** enum for Generator / Battery Agreement Type -->
- <xs:complexType name="**generator**">
- <xs:sequence>
- <xs:element name="id" type="xs:long" minOccurs="0"/>
- <xs:element name="name" type="xs:string" minOccurs="0"/>
- <xs:element name="nonRetailBtmg" type="xs:boolean" minOccurs="0"/>
- <xs:element name="maxOutput" type="xs:double" minOccurs="0"/>
- <xs:element name="nameplate" type="xs:double" minOccurs="0"/>
- <xs:element name="backupGeneratorOnly" type="xs:boolean" minOccurs="0"/>
- <xs:element name="generatorType" type="xs:string" minOccurs="0"/>
- <xs:element name="fuelType" type="xs:string" minOccurs="0"/>
- <xs:element name="vintage" type="xs:long" minOccurs="0"/>
- <xs:element name="retrofitYear" type="xs:long" minOccurs="0"/>
- <xs:element name="permitStatus" type="tns:generatorPermitStatusEnum" minOccurs="0"/>
- <xs:element name="permitType" type="tns:generatorPermitTypeEnum" minOccurs="0"/>
- <xs:element name="**agreementType**" type="**tns:generatorAgreementTypeEnum**" minOccurs="0"/>
- <xs:element name="**injectionRight**" type="xs:double" minOccurs="0"/>
- <xs:element name="note" type="xs:string" minOccurs="0"/>
- </xs:sequence>
- </xs:complexType>

- <!-- Added : element **agreementType** type which supports Battery Info -->
- <!-- Added : element **injectionRight** type which supports Battery Info -->
- <xs:complexType name="**battery**">
- <xs:sequence>
- <xs:element name="id" type="xs:long" minOccurs="0"/>
- <xs:element name="maxOutput" type="xs:double" minOccurs="0"/>
- <xs:element name="capacity" type="xs:double" minOccurs="0"/>
- <xs:element name="vintage" type="xs:long" minOccurs="0"/>
- <xs:element name="chemistry" type="tns:batteryChemistryType" minOccurs="0"/>
- <xs:element name="type" type="tns:batteryType" minOccurs="0"/>
- <xs:element name="**agreementType**" type="**tns:generatorAgreementTypeEnum**" minOccurs="0"/>
- <xs:element name="**injectionRight**" type="**xs:double**" minOccurs="0"/>
- <xs:element name="note" type="xs:string" minOccurs="0"/>
- </xs:sequence>
- </xs:complexType>
- <xs:simpleType name="**generatorAgreementTypeEnum**">
- <xs:restriction base="**xs:string**">
- <xs:enumeration value="**ISA**"/>
- <xs:enumeration value="**NEM_OTHER**"/>
- <xs:enumeration value="**NONE**"/>
- <xs:enumeration value="**WMPA**"/>
- </xs:restriction>
- </xs:simpleType>