

RC West Settlements Working Group

Market Settlement Design and Configuration

August 20, 2019

CAISO public

Agenda

- Next Steps
- Production Environment Certificate
- MRI-S UI Enhancement How-to Guide
- Settlements CBT
- RC Services Payment Calendar
- Production Timeline
- HANA Services Charge Code Review
- Contact Information

Appendix

- Data Validation Publications & Calendar
- What Steps Should be Complete
- 2019 Prorated Charges
- MRI-S Access & Documents Location
- How-to Guide for Uploading NEL / NG Volumes
- Steps to Download Statement
- RC Informational Statement Navigating the CSV & XML files
- RC Services MRI-S Enhancements
- Overview of Settlement Process
- RC and HANA Services Production Timelines
- Overview of Charge Codes



Next Steps

Map Stage Environment (Testing)

Download statements and invoices published during Data Validation 7/23 - 8/6

Test the new MRI-S UI for submitting NEL / NG volumes

Production Environment – Open 8/22/2019

Request access to Production environment (verify access by 8/26)

RC Customers internal to CAISO BAA to request RC role to view RC tab if using MRI-S UI (message sent out Friday 8/16/19)

Additional Requests

Provide banking set up information required for billing

Update contact list for your organization on the RC Portal

Complete RC Settlements Training Module (CBT)

Review RC West Annual Service Charge Payment Calendar



Production Certificate Request and Access

- Request access to Market Results Interface Settlements (MRI-S) Production Environment Portal
- Access to MRI-S Production Environment Portal
 - When: Complete before 8/26
 - Who: All (Internal CAISO BAA and External) RC entities participating in Production
 - What: Obtain Read/Write RC Role to access Production Portal
 - How: your RC User Access Administrator (UAA) should provide you MRI-S Production environment access
 - 1) Follow instructions from your UAA to install certificate on local machine
 - 2) Verify certificate is installed correctly by navigating using your browser to:
 - <u>https://portal.caiso.com/settlements/logon.do</u> to verify you have access
 - If you have certificate installation issues, contact the Service Desk
 - Email: <u>uaarequests@caiso.com</u>
 - Phone:
 - RC Services: 916.538.5722
 - Toll Free: 833.888.9378
 - If you do not have access, please submit a CIDI ticket by navigating to:
 - <u>https://rc.caiso.com/</u> Apps > Prod > Customer Inquiry, Dispute & Information (CIDI)
- Successful log in screen:

🍣 Calif	ornia ISC	Mar	ket Result	ts Interface	- Settleme	ents 🔶	• 🕶 🤁 🖉 ,	P 👩
Net Energy Data	RC/HANA Stateme	nts RC/HANA	Publication Status					
Start Date 01/01/	2020 31 End	Date 12/31/2020	31 ENTITY	[ALL]	Net Energy Zone	[ALL] V Ap	ply Reset	
Upload File								
Net Energy	Data							
* 19					Ro	WS 25 🗸		
				Current	Pre	evious		
ENTITY 🄶 E	Entity Name Net Er	nergy Zone 👌	Start Date End Da	ate MW Value Submis	sion Id MW Value	Submission Id		
× _{No Data found}								



⇒]

MRI-S Enhancement – Submit NEL / NG Data Via New UI

Submit 2018 NEL/NG* volumes in MWh (in MRI-S Production)

- When: 9/3/19 9/30/19
- Who: RC entities external to CAISO BAA responsible for NEL/NG* yearly volume data during Map-stage Data Validation and Production
 - Direct bill TOPs with no NEL/NG are required to enter zero(s) for their volume submission
- What: Upload 2018 NEL/NG volumes
- How: Log in to https://portal.caiso.com/settlements/logon.do
 - 1. Choose the Net Energy Zone for your entity from the drop down menu
 - 2. Select the Trade Period of the bill year
 - 3. Type in the NEL / NG (In MWh)
 - 4. Click Submit

Enter Net En	ergy Data	
et Energy Zone:		
rade Period	01/01/2020	12/31/2020 31
EL/NG (In MWh)	:	(Up to 8 digits before decimal point and up to 8 digits after decimal point)

*<u>Net Energy for Load (NEL)</u> - Net Balancing Authority Area generation, plus energy received from other Balancing Authority Areas, less energy delivered to Balancing Authority Areas through interchange. It includes Balancing Authority Area losses but excludes energy required for storage at energy storage facilities. Net Energy for Load equals NERC/WECC Metered Demand for the CAISO Balancing Authority Area.

*<u>Net Generation (NG)</u> - Net power available from a Generating Facility to be fed into the power system at the high side of the Generating Facility transformer(s). Net generation is equal to gross generation minus the generator's internal power usage (station service).



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RC Customer Settlements Training Module

Caiso.com

Home > Participate > Learning Center > Settlements training

Settlements and metering training

Targeted courses for the settlements and billing functions. Timelines for meter data submission and payment of invoices, as well as the process for submitting disputes.

In-person courses

	Cord.	
ISO Settlements	and and a	Settlements and metering
Dates: April 25, 2019 August 1, 2019 October 24, 2019		
The ISO Settlements course is conducted on the third day of the ISO Markets and Settlements	EX.	Congestion revenue rights
Workshop. This course consists of lecture and tabletop exercises that review market outcomes from the perspective of the scheduling coordinator.	11	Reference

Learning Tracks

Training calendar

Markets and operations

Western Energy Imbalance Market





RC Services Payment Calendar

RC West Annual Service Charge Payment Calendar has been posted online in two locations:

1. <u>Settlements</u> page:

HRP protective measures P

😑 RC West payment calendar 🖾

RC West Annual Service Charge Payment Calendar 8/14/2019 16:39

2. <u>RC West</u> page (right side):

RC West Services

RC West Oversight Committee

BPM Change Management System

Operating Procedures

Western Interconnection Data Sharing Agreement

2019 EIR Transition Guide View the EIR Transition Guide for 2019 Reliability Coordinator Changes

RC West Payments Calendar

RC West Portal Access to this secure site is limited to RC West participants with a certificate.

Service Desk for RC West participants only: Local number: (916) 538-5722 Toll-free number: (833) 888-9378



Production Timeline

	RC Services & HANA Production Timeline
Key Dates	Action
8/30/19	RC West publishes Initial HANA Statement & Invoice ¹
10/1/2019	RC Customer payment due date for HANA services charges
9/3/19 – 9/30/19	RC Customer must submit 2018 NEL / NG MWh in MRI-S ²
10/30/19	RC West publishes RC Informational Statement which lists volumes provided in MRI-S for review prior to invoicing ³
12/2/2019	RC Customer deadline to validate volumes on RC Informational Statement and re-submit if necessary
1/2/2020	RC West publishes RC Services charges Statement & Invoice for 2019 and 2020 Charges ⁴
1/31/2020	RC Customer payment due date for RC Services charges ⁵
 ² RC entities external to the ³ RC Informational Stateme ⁴ Financially binding. The 2 NG MWh. RC charges for a value per their RCSA (RC Statement Content in the statement of the statemen	A Customers only. CAISO BA customers must use TOP RCID (not SCID) to retrieve HANA statement & invoice. A CAISO BAA only. Ent not generated for RC customers who did not submit NEL / NG data. 2019 RC charges will be prorated and based on 2017 NEL / NG MWh. The 2020 RC charges will be based on 2018 NEL / Customers who did not submit NEL / NG volumes by 12/2/19 will be calculated using the Default NEL or Installed Capacity Services Agreement). RC charges will be on one invoice. are due monthly in 1/12 increments.



HANA Services Charge Code Overview – 5801

• 5801 HANA Charges

- The CAISO will offer web-based Hosted Advanced Network Applications (HANA) services to its RC Customers
- Initial 3 year commitment, after which the RC Customer may take HANA services for additional one-year terms
- The CAISO will charge RC Customers that elect HANA services
 - The annual cost for the ongoing software license fee
 - A one-time Set Up fee amortized over the initial 3-year minimum commitment period; and
 - Annual Administrative fee for CAISO support of the HANA services
- RC Customer will be invoiced for HANA services 21 business days prior to when the services commence and annual recurring invoices will be sent 21 business days prior to the anniversary date
- Due date is 21 business days from invoice date
- There is no Recalc for HANA
- CAISO will publish supplemental statements and invoices during the year if the RC Customer elects to purchase additional subscriptions
 - Charges will be prorated to co-term to original anniversary date
- Early Termination Fee will be assessed if the RC Customer terminates the agreement before the expiration date



Contact Information

- MRI-S Access Provision
 - Your User Access Administrator (UAA)
 - If you have certificate installation issues, contact the Service Desk
 - Email: <u>uaarequests@caiso.com</u>
 - Phone:
 - RC Services: 916.538.5722
 - Toll Free: 833.888.9378
 - If you do not have access, please submit a CIDI ticket by navigating to:
 - <u>https://rc.caiso.com/</u> Apps > Prod > Customer Inquiry, Dispute & Information (CIDI)
- Issues & Questions
 - Submit CIDI tickets online
 - <u>https://rc.caiso.com/</u> Apps > Prod > Customer Inquiry, Dispute & Information (CIDI)
 - Guidelines for CIDI ticket submission:
 - Case Record Type: Use "Reliability Coordinator Inquiry" NOT "Inquiry Ticket"
 - SCID: Use your new RC ID (XXX_TOP_RC or XXX_BA_RC), not your other SCID(s)
 - Functional Environment: RC Integration during integration testing and data validation (MAP Stage)
 - Description: Make it short but meaningful; for access issues include certificate information
 - Attachments: Add screen shots or other helpful information, when necessary
 - Comments: Communicate via comments as opposed to venturing out to email
- Weekly Webinar will address additional questions



Questions









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Data Validation Status

	RC Informational Statement	HANA Statement & Invoice (Initial)	RC Statement & Invoice (Initial)
Publication Date	7/23 ¹	7/25	7/30 ²
		HANA Statement & Invoice (Additional Scenario)	RC Statement & Invoice (Recalc)
Publication Date		8/1 ³	8/64
Publication Format ⁵	XML, CSV, PDF	XML, PDF	XML, PDF
Type of Customer	All RC customers	HANA customer ⁶	All RC customers

¹ RC Informational Statement not generated for RC customers (external to CAISO BA) who did not submit NEL / NG data

² RC charges for customers who did not submit NEL / NG volumes by 7/25 will be calculated using the Default NEL or Installed Capacity value per their RCSA (RC Services Agreement)

³ One additional subscription purchase mid service year (testing scenario for HANA customers only)

⁴ Late Payment Penalty (testing scenario for RC customers outside of the CAISO BA only)

⁵ Customers internal to the CAISO BA will receive RC Services file formats based on existing file election. PDF format availability for RC Information Statement is targeted for production environment (10/30 publication).

⁶ CAISO BA customers must use TOP RCID (not SCID) to retrieve HANA statement & invoice



Data Validation Execution Details (7/919-8/7/19)

Monday	Tuesday	Wednesday	Thursday	Friday
8	9 Map Stage Environment Opens	10 ISO: Publish sample RC Info Stmt to test connectivity	11 RC Customers: Start MRI-S uploads	12
15	16 RC Customers: MRI-S upload Deadline	17	18	19
22	23 ISO: RC Info Stmt Publication	24 RC Customers: Review RC Info Stmt	25 RC Customers: Review Info Stmt & re-submit deadline ISO: Publish HANA Stmt and Invoice	26 RC Customers: HANA Stmt & Invoice Validation Start - Submit questions by 8/14
29	30 ISO: Publish RC Initial Stmt and Invoice	31 RC Customers: RC Initial Stmt & Invoice Validation Start - Submit questions by 8/14	1 ISO: Publish additional HANA scenario Stmt & Invoice	2 RC Customers: HANA additional scenario Stmt & Invoice Validation Start - Submit questions by 8/14
5	6 ISO: Publish RC Recalc Stmt & Invoice for LPP	7 RC Customers: RC Recalc Stmt & Invoice Validation Start - Submit questions by 8/14	8	9

Key Dates RC Customers ACTION ISO ACTION

HANA scenario

RC scenario

What Steps Should be Complete

- Requested and received a certificate with an RC specific role to access MRI-S
- You should be able to log in to MRI-S UI Map Stage
- Downloaded the RC Informational Statement published on 7/23
 - Validated and re-submitted NEL / NG data by 7/25
- For HANA charges
 - Downloaded initial statement and invoice published on 7/25
 - Downloaded the additional scenario statement and invoice published on 8/1
 - Validated the charges and submitted questions via CIDI
- For RC charges
 - Downloaded the initial statement and invoice published on 7/30
 - Downloaded the recalc statement and invoice published on 8/6
 - Validated the charges and submitted questions via CIDI



RC Charges Data Validation

2019 Prorated Charges

- Charge One
 - Rate is \$0.0134/MWh
 - Effective for the period of 7/1/19 through 10/31/19
 - Rate applied against 1/3 (or 4 months) of default annual MWh volume submitted on RCSA*
 - Minimum Charge is 1/3 of \$5K (or \$1,667)

Charge Two

- Rate is \$0.0273/MWh
- Effective for the period of 11/1/19 through 12/31/19
- Rate applied against 1/6 (or 2 months) of default annual MWh volume submitted on RCSA*
- Minimum Charge is 1/6 of \$5K (or \$833)

2020 Charges

- Rate is \$0.0300/MWh
- Effective for the period of 1/1/20 through 12/31/20
- Rate applied against MWh billing volumes submitted by customers
 - Volumes provided on information statement
- Minimum Charge is \$5K



RC Services Rate Effective 7/1/19 – 10/31/19

- Navigate to <u>www.caiso.com</u>
 - MARKET & OPERATIONS
 - Settlements
 - Grid management charge
 - » Open PDF "Grid Management Charge Rates for 2014-2019 Effective July 1, 2019"

2019 GMC Rates and Administrative Fees

Charge Code	Charge/ Fee Name	Rate ffective 1/1/19	Rate effective 5/1/19	Rate effective 7/1/19	Billing Units
GMC Rates an	d Administrative Fees				
4560	Market Services Charge	\$ 0.1065	\$ 0.1065	\$ 0.1065	MWh
4561	System Operations Charge	\$ 0.2797	\$ 0.2797	\$ 0.2797	MWh
4562	CRR Services Charge	\$ 0.0050	\$ 0.0100	\$ 0.0100	MWh
4515	Bid Segment Fee	\$ 0.0050	\$ 0.0050	\$ 0.0050	per bid segment
4512	Inter SC Trade Fee	\$ 1.0000	\$ 1.0000	\$ 1.0000	per Inter SC Trade
4575	SCID Monthly Fee	\$ 1,000	\$ 1,000	\$ 1,000	per month
4563	TOR Charge	\$ 0.2400	\$ 0.2400	\$ 0.2400	minimum of supply or demand TOR MWh
4516	CRR Bid Fee	\$ 1.0000	\$ 1.0000	\$ 1.0000	number of nominations and bids
Other Rates ar	nd Fees				
4564	EIM Market Services Charge	\$ 0.0841	\$ 0.0841	\$ 0.0841	MWh
4564	EIM System Operations Charge	\$ 0.1091	\$ 0.1091	\$ 0.1091	MWh
701	EIR Forecast Fee	\$ 0.1000	\$ 0.1000	\$ 0.1000	MWh
5701	RC Service Charge*	\$ -	\$ -	\$ 0.0134	MWh



Portal access to MRI-S User Interface

Direct URL to MRI-S -

https://portalmap.caiso.com/settlements/logon.do

- CAISO portal URL
 - <u>https://portalmap.caiso.com/MP</u>
 <u>P_files/MPPApps.html</u>
 - Internal ISO customers should see a new RC tab in MRI-S
 - If you do not see it you need to add this role to your access.

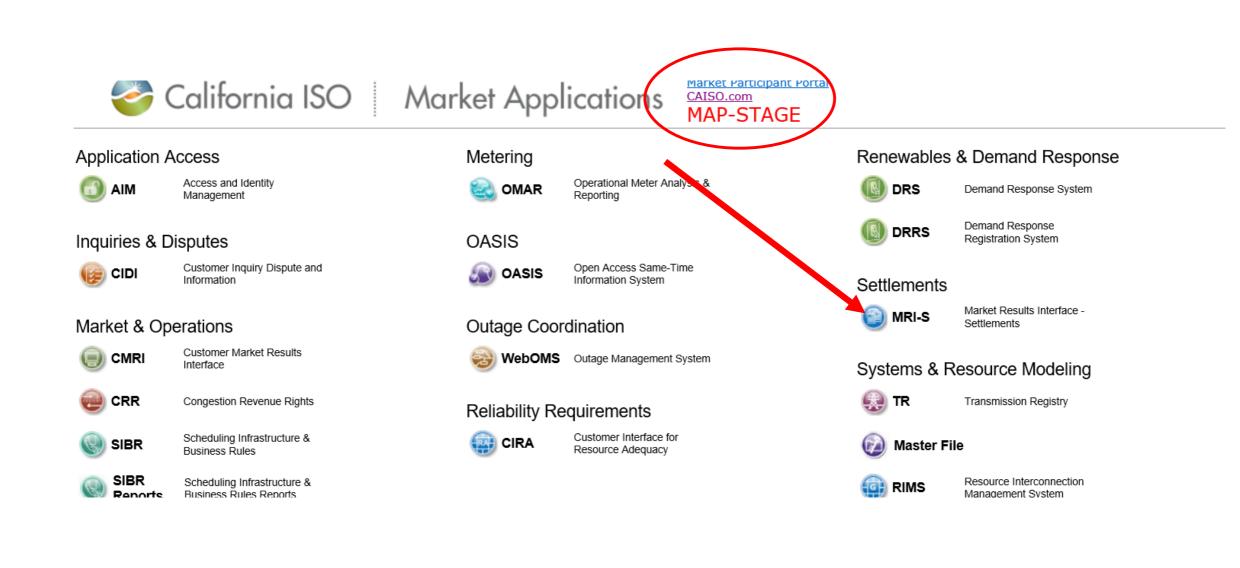
- RC West Portal URL
 - <u>https://rc.caiso.com/</u>
 - External to CAISO BAA
 customers navigate to: Apps >
 Map Stage > Market Results
 Interface Settlements (MRI-S)
 - If you can not access this link or do not see it you need to add this role to your access.





Prod >	2 2 1 2 1 2	1010101	0
Stage >			
MAP Stage	Customer Market Results Interface (CMRI)	oordinator	
System Status	Grid Messaging System (GMS)		
This second in	Hosted Advanced Network Applications (HANA)	00000	
This secure ite Western Electro		P-003-3 for the sion operators,	1
and RC West.	Market Results Interface - Settlements (MRI-S)	non oporatoro,	-1
	Outage Management System (WebOMS)	8891811	1
	RC Base Schedule Aggregation Portal (RCBSAP)		
	Resource Interconnection Management System (RIMS)		

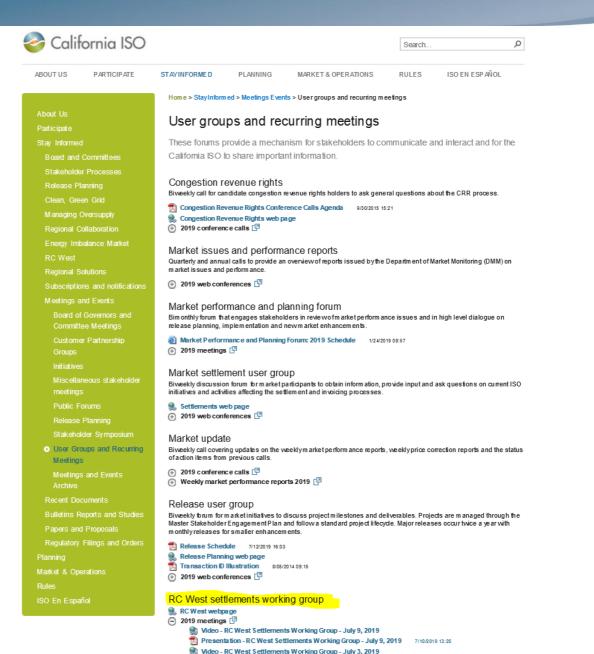






Meeting Notes location

- URL Meeting Notes
 - <u>http://www.caiso.com/infor</u> <u>med/Pages/MeetingsEvent</u> <u>s/UserGroupsRecurringMe</u> <u>etings/Default.aspx</u>



Presentation - RC West Settlements Working Group - July 3, 2019 7/09/2019 07:44

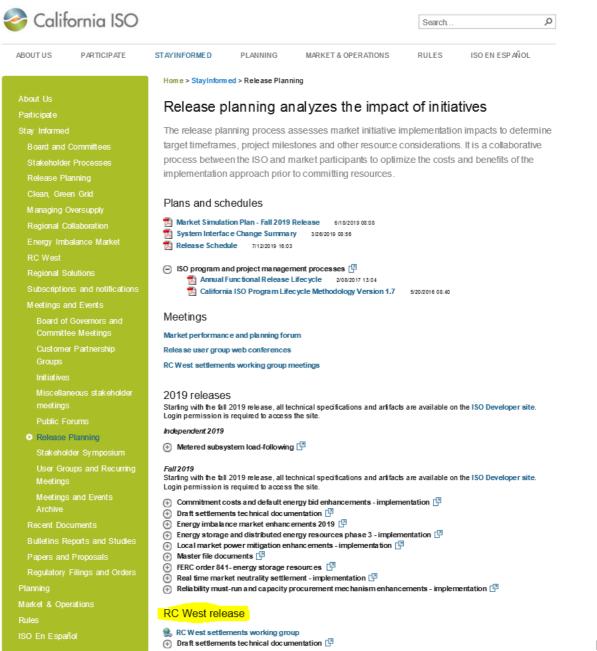
Presentation - RC West Settlements Working Group - June 19, 2019 7/09/2019 07:44

California ISO

Release Notes and Artifacts

- URL Release Notes
 - <u>http://www.caiso.com/infor</u> <u>med/Pages/MeetingsEvent</u> <u>s/UserGroupsRecurringMe</u> <u>etings/Default.aspx</u>
- XML Sample file URL
 - <u>http://www.caiso.com/Docu</u>
 <u>ments/NEL_NEZ.xml</u>





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Certificate request and access – slide from 7/3

- Request access to Market Results Interface Settlements (MRI-S) Map-stage portal
- Access to MRI-S portal
 - When: Complete before 7/9 Settlements conference call
 - Who: All (Internal CAISO BAA and External) RC entities participating in Map-stage Data Validation and Production
 - What: Obtain Read/Write RC Role to access Map-stage portal
 - How: your RC User Access Administrator (UAA) should provide you MRI-S Map-stage environment access
 - 1) Follow instructions from your UAA to install certificate on local machine
 - 2) Verify certificate is installed correctly by navigating using your browser to:
 - <u>https://portalmap.caiso.com/settlements/logon.do</u> to verify you have access
 - If you have certificate installation issues, contact the Service Desk
 - Email: <u>uaarequests@caiso.com</u>
 - Phone:
 - RC Services: 916.538.5722
 - Toll Free: 833.888.9378
 - If you do not have access, please submit a CIDI ticket by navigating to:
 - <u>https://rc.caiso.com/</u> Apps > Prod > Customer Inquiry, Dispute & Information (CIDI)
- Successful log in screen:





Upload NEL/NG Volumes in MRI-S – slide from 7/3

1. Upload 2018 NEL/NG* volumes in MWh (in MRI-S)

- When: Due today
- Who: RC entities external to CAISO BAA responsible for NEL/NG* yearly volume data during Map-stage Data Validation and Production
 - Direct bill TOPs with no NEL/NG are required to enter zero(s) for their volume submission
- What: Upload 2018 NEL/NG volumes
- How: Download sample XML file from
 - 1. http://www.caiso.com/informed/Pages/ReleasePlanning/Default.aspx



- RC West release > Draft settlements technical documentation > NEL_NEZ.xml
 NEL_NEZ.xml
- 2. <m:mRID>NEZ</m:mRID> Replace with your Net Energy Zone name (ex. CISO_NEZ)
 - If you do not know your Net Energy Zone name, please submit a CIDI ticket
- 3. <m:value>123456.7890</m:value> (granularity up to 8 decimal places; single value for entire year)
- 4. Save the file on local desktop
- 5. Login to https://portalmap.caiso.com/settlements/logon.do and follow manual upload process

🍣 California ISO 🛛 Market	Results Interface - S	bettlemer	nts 🔶	● € ₽ ₽ 0 →					
Net Energy Data RC/HANA Statements RC/HANA Publica	tion Status								
Start Date 01/01/2020 31 End Date 12/31/2020 31	ENTITY [ALL] 🔻 🧮 Ne	t Energy Zone		pply Reset					
Upload File									
Net Energy Data									
※ ▼ 🖹 目									Rows 25 •
				Current				Previous	
ENTITY 🚖 Entity Name	Net Energy Zone 췱 Start Date	End Date	MW Value	Submission Id Updated By	Updated Date	MW Value	Submission Id U	Jpdated By	Updated Date
WET SHOP REPORT	01/01/2020	12/31/2020	375.0000000	904	06/18/2019 10:09	500.0000000	903		06/18/2019 10:09

*<u>Net Energy for Load (NEL)</u> - Net Balancing Authority Area generation, plus energy received from other Balancing Authority Areas, less energy delivered to Balancing Authority Areas through interchange. It includes Balancing Authority Area losses but excludes energy required for storage at energy storage facilities. Net Energy for Load equals NERC/WECC Metered Demand for the CAISO Balancing Authority Area.

*<u>Net Generation (NG)</u> - Net power available from a Generating Facility to be fed into the power system at the high side of the Generating Facility transformer(s). Net generation is equal to gross generation minus the generator's internal power usage (station service).

Steps to Download RC Informational Statement from MRI-S

🍣 California ISO 🛛 Market Results Interface - Settlements 🛛 🖡 🖶 📾 🔁 🕫 🔿	
Net Energy Data RC/HANA Statements RC/HANA Publication Status	
Start Date 01/01/2020 31 End Date 12/31/2020 31 ENTITY [ALL] V E Net Energy Zone [ALL] V Apply Reset	
Upload File	
Net Energy Data	
	Rows 25 V
ENTITY 🚖 Entity Name Net Energy Zone 🚖 Start Date End Date MW Value Submission Id Updated By Updated Date MW Value Submission Id Updated By	Updated Date
Entry name Ref Entry 2010 3 statt bate Intr value Submission a optated by Submissicha optated by Submission a optated	06/18/2019 10:09
File Type [ALL] C ENTITY [ALL] Run Type [ALL] Trade Date I Post Date From: 07/16/2019	31 Apply Reset
Version [ALL] VE	31
RC/HANA Statements	
SELECT XML CSV PDF ENTITY Name Trade Date Post Date Version External	
File Type: Business Associate (BA)	
Determinant	
Run Type: RC Services Information	nal
Post Dates: Clear out both fields	



RC Services Informational Statement – How to Read the CSV

CSV File Format:

Scroll over to the right to find the NEL / NG volume under the "Data Val" column:

FA	FB	FC	FD	FE	FF	FG
IndexA 26 Ref	IndexA 27 Ref	IndexA 28 Ref	IndexA 29 Ref	IndexA 30 Ref	Data Int	Data Val
					2020-01-01T00:00:00-08:00	12345.678
					2020-01-01T00:00:00-08:00	12345.678
					2020-01-01T00:00:00-08:00	12345.678



RC Services Informational Statement – How to Read the XML

XML File Format: Open in Notepad and identify the field with your submitted NEL / NG value per below:

```
File Edit Format View Help
<?xml version="1.0" encoding="UTF-8"?>
<BillDeterminantData xmlns="http://www.caiso.com/soa/2007-03-12/BillDeterminantData.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
<MessageHeader>
<TimeDate>2019-07-19T16:18:33-07:00</TimeDate><Source>XXXX BA-DETERMINANTS-2019071911-RC SVCS INFO-5-APPROVED-20200101.xml</Source>
</MessageHeader>
<MessagePayload>
<BillDeterminant name="BA ANN RC SVCS TOTAL SUBMITD NET@QUANTITY" mrid="1454771378" dataType="INTERMEDIATE" lastModified="2019-07-19T16:02:14-0
<Attribute seq="1" name="BA ID" val="####"/>
<Attribute seq="2" name="RSRC ID" val="XXXX NEZ"/>
<Attribute seq="3" name="BAL_AUTHORITY_AREA" val="XXXX"/>
<Data int="2020-01-01T00:00:00-08:00" val="12345.678"/>
</BillDeterminant>
<BillDeterminant name="BA ANN RC SVCS SUBMITD NE@QUANTITY" mrid="1454771427" dataType="INTERMEDIATE" lastModified="2019-07-19T16:02:14-07:00" s
<Attribute seq="1" name="BA ID" val="####"/>
<Attribute seg="2" name="RSRC ID" val="XXXX NEZ"/>
<Attribute seq="3" name="BAL AUTHORITY AREA" val="XXXX"/>
<Data int="2020-01-01T00:00:00-08:00" val="12345.678"/>
</BillDeterminant>
<BillDeterminant name="BA ANN RC SVCS SUBMITD NE QTY" mrid="1409850333" dataType="PRIMARY" lastModified="2019-07-19T16:01:49-07:00" settlementV
<Attribute seg="1" name="BA ID" val="####"/>
<Attribute seq="2" name="RSRC ID" val="XXXX NEZ"/>
<Attribute seg="3" name="BAL_AUTHORITY_AREA" val="XXXX"/>
<Data int="2020-01-01T00:00:00-08:00" val="12345.678"/>
</BillDeterminant>
</MessagePayload>
</BillDeterminantData>
```

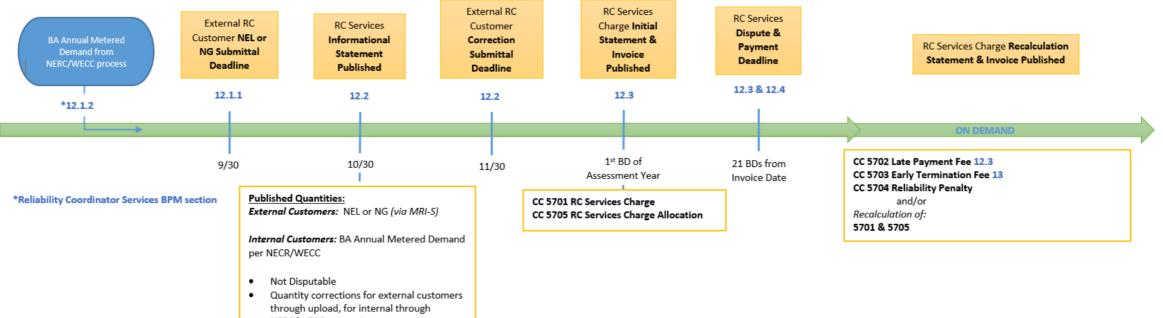


RC Services MRI-S Enhancements

- Bill Period Start and End dates reflecting service period are available on the RC recalc statement and invoice published on 8/6
- New UI for submission of NEL / NG volumes open for testing in Map Stage
- PDF option available for statements and invoices starting with the 7/25 publication of the HANA Statement & Invoice and the 7/30 publication of the RC Initial Statement & Invoice
- RC Informational Settlement PDF file format option targeted for production environment (10/30 publication)



RC Services Settlement Overview



- NERC/WECC processing
- Upload TD Period = 1/1/service year to 1/31/service year

Timeline Legend

YR 1 Example: 1 time manual PTB of 2019 assessment year charges Submittal/Processing Deadlines = 2019 Assessment/Service Year = 2020 Base Data (MD, NEL, NG) = 2018

YR 2 Example:

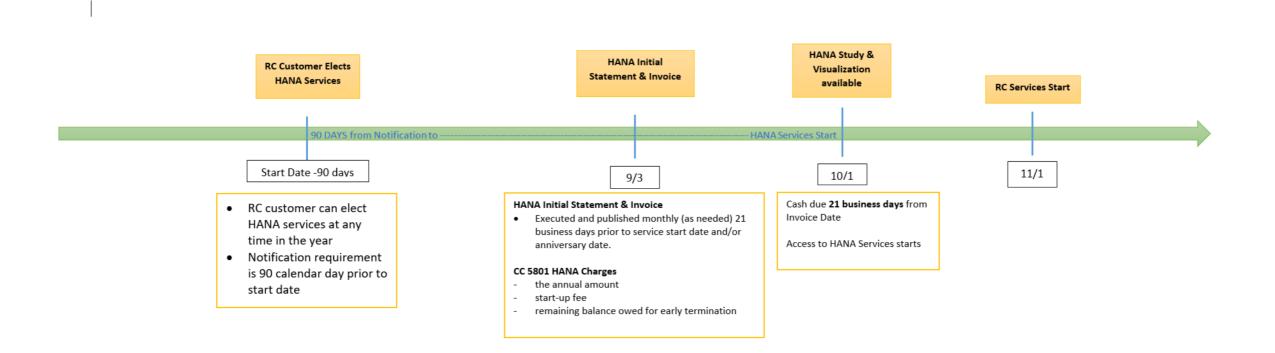
Submittal/Processing Deadline = 2020 Assessment/Service Year = 2021 Base Data (MD, NEL, NG) = 2019





HANA Services Invoicing Overview

- 3-year initial commitment, 12 months written notice to exit on anniversary date
- HANA is a monthly invoice that assesses annual fees
- Statement & Invoice are published the same day
- Additional Initial statements and invoices published as needed





Charge Codes Overview – 5701 & 5705

- 5701 RC Services Charge
 - Calculates annual RC Services charge to external customers (outside CAISO footprint)
 - Charged to BAs with Load, TOPs within BAAs (with or without load), gen-only BAAs
 - RC Charge = (RC Customer's submitted NEL or NG)* Annual RC Services Rate
 - If RC Customer does not submit data, Settlements will calculate the RC charge using the customer's default NEL or Installed Capacity value per contract

• 5705 RC Services Charge Allocation (replaces Peak CC 6496)

- Allocates annual RC Services charge to internal customers (entities within the CAISO BAA)
 - ISO passes through its share of the RC Charges to SCs within the CAISO BAA that serve load and to TOPs within the BAA
 - TOPs that have no NERC/WECC Metered Demand will receive the minimum charge (\$5,000)
 - RC Charge = (entity's share of the total NERC/WECC Metered Demand for CAISO BAA) * Annual RC Services Rate
- Initial Statement & Invoice published on the first business day of each year
- Not disputable
- Payment is due within 21 business days of invoice date
- Federal entities may choose to make monthly payments of 1/12 of annual invoiced amount
- Invoice issued on 1/2/20 will include 2020 RC charges based on 2018 NEL/NG and prorated 2019 charges based on 2017 NEL/NG



Charge Codes Overview – Late Payment Penalty (5702) & Default (5701)

• 5702 Late Payment Penalty

- Late payment penalty will be assessed if payment for RC Services invoice is not received by the due date
- One-time \$1,000 charge will appear on supplemental RC Services statement & invoice (Recalc)
- Federal entities opting for monthly payments of 1/12 of annual invoiced amount are subject to the late payment penalty for each instance of failing to pay by the due date
- Due date is 21 business days from invoice date

5701 Default on RC Charges

- Unpaid amounts by defaulting customer will be re-allocated to all other customers in proportion to their original 5701 invoice amount (Recalc)
- If defaulter pays back the amount in full or partially
 - Repayment amount will be reflected on the next Initial invoice (following year)



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Charge Codes Overview – 5703 & 5704

• 5703 RC Services Early Termination Fee

- If RC Customer terminates services before the 18-month initial enrollment period or provides less than 12month notice in subsequent years
- One-time charge invoiced on supplemental invoice (Recalc)
- Due date is 21 business days from invoice date
- 5704 RC Services Reliability Penalty Allocation
 - Calculation accounts for any reliability-related penalties assessed by FERC, NERC, WECC against the CAISO



Contact Information

- MRI-S Access Provision
 - Your User Access Administrator (UAA)
 - If you have certificate installation issues, contact the Service Desk
 - Email: <u>uaarequests@caiso.com</u>
 - Phone:
 - RC Services: 916.538.5722
 - Toll Free: 833.888.9378
 - If you do not have access, please submit a CIDI ticket by navigating to:
 - <u>https://rc.caiso.com/</u> Apps > Prod > Customer Inquiry, Dispute & Information (CIDI)
- Issues & Questions
 - Submit CIDI tickets online
 - <u>https://rc.caiso.com/</u> Apps > Prod > Customer Inquiry, Dispute & Information (CIDI)
 - Guidelines for CIDI ticket submission:
 - Case Record Type: Use "Reliability Coordinator Inquiry" NOT "Inquiry Ticket"
 - SCID: Use your new RC ID (XXX_TOP_RC or XXX_BA_RC), not your other SCID(s)
 - Functional Environment: RC Integration during integration testing and data validation (MAP Stage)
 - Description: Make it short but meaningful; for access issues include certificate information
 - Attachments: Add screen shots or other helpful information, when necessary
 - Comments: Communicate via comments as opposed to venturing out to email
- Weekly Webinar will address additional questions



Thank You

