

RC West Settlements Working Group

Market Settlement Design and Configuration

September 17, 2019

CAISO public

Agenda

- HANA Services Payment
- 2018 NEL / NG Data Submission
- RC Services Informational Statement
- MRI-S Data Submission
- Transition to Settlements User Group Meeting
- RC Settlements CBT
- RC Services Payment Calendar
- Additional references

Appendix

- Production Certificate Request & Access
- 2019 Prorated RC Charges
- RC Services Rate
- MRI-S Access & Documents Location
- Steps to Download Statement
- RC Informational Statement Navigating the CSV & XML files
- RC Services MRI-S Enhancements
- Overview of Settlement Process
- Overview of Charge Codes
- Contact Information

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.							



MRI-S 2018 NEL / NG Data Submittal (Option 1 – User Interface)

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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MRI-S 2018 NEL / NG Data Submittal (Option 2 – XML Upload)

1. Upload 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: 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 <u>https://portal.caiso.com/settlements/logon.do</u> and follow manual upload process

📀 California ISO 🛛 Market	Results Interface - S	Settlements	+ → ® ℃ ₽ ₽ 0 →]				
Net Energy Data RC/HANA Statements RC/HANA Publica	tion Status						
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Upload File							
Net Energy Data							
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			Current			Previous	
ENTITY 🚖 Entity Name	Net Energy Zone 췱 Start Date	End Date MW Va	ue Submission Id Updated By	Updated Date	MW Value	Submission Id Updated By	Updated Date
	01/01/2020	12/31/2020 375.00	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).

Transition to Settlements User Group Meeting – Starting October 2019

- Move participation over to another twice-monthly recurring meeting that includes all RC customers
 - Streamline communications regarding CAISO publications
 - $\circ~$ Meeting structure is being developed
 - Agenda to be provided in advance on caiso.com, with email notification

• Absent RC topics, no need to join the call

- Dedicate the beginning portion of the meeting to RC specific topics
- RC customers can drop off before Market topics are covered
- $\circ~$ More details will be provided at the next webinar
 - Action Request: Please update contact list for your organization on the RC portal



RC Customer Settlements Training Module

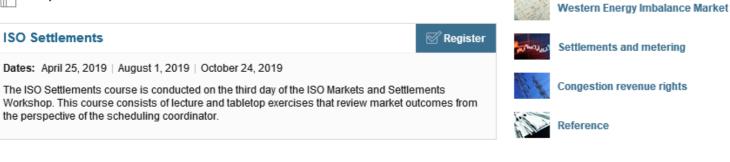
Caiso.com

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.





Learning Tracks

Training calendar

Markets and operations

7



🔮 California ISO

RC Services Payment Calendar

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

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

PIRP 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



Additional Settlements Resources

- <u>www.caiso.com</u>
 - MARKET & OPERATIONS
 - Settlements
 - Process and requirements > Business Practice Manual for Settlements and Billing
 - Configurations Guides
 - CG CC 5701 RC Services Charge v5.0
 - CG CC 5702 RC Services Late Payment Penalty v5.0
 - CG CC 5703 RC Services Early Termination Fee v5.0
 - CG CC 5704 RC Services Reliability Penalty Allocation v5.0
 - CG CC 5705 RC Services Charge Allocation v5.0
 - CG CC 5801 HANA Charges v5.0



Questions









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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:

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Net Energy Data	RC/HANA Stateme	nts RC/HANA	Publication Status					
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* 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}								



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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	e	Rate effective 7/1/19	Billing Units			
GMC Rates an	SMC Rates and 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 an	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.

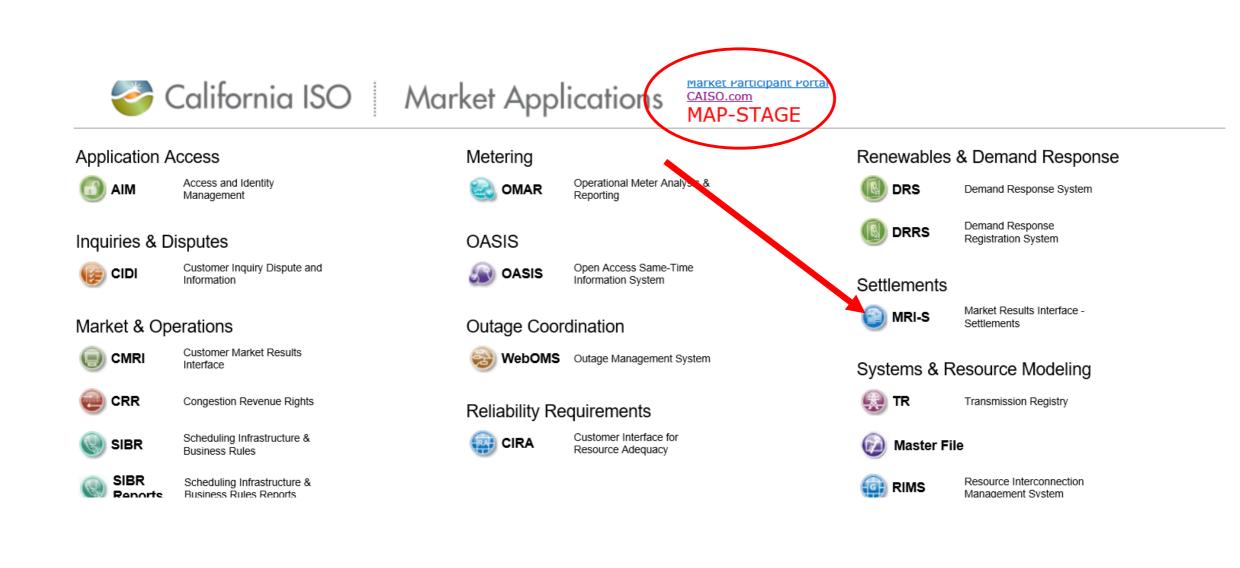
- RC West Portal URL
 - <u>https://rc.caiso.com/</u>
 - External to CAISO BAA
 customers navigate to: Apps >
 Map Stage > Market Results
 Interface Settlements (MRI-S)
 - If you can not access this link or do not see it you need to add this role to your access.





Prod >	2 2 1 2 1 2	1010101	0
Stage >			
MAP Stage	Customer Market Results Interface (CMRI)	oordinator	
System Status	Grid Messaging System (GMS)		
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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)		

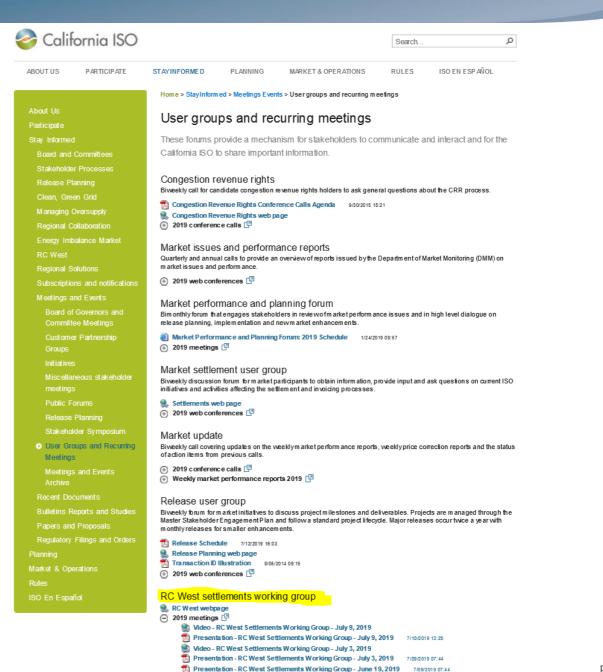






Meeting Notes location

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





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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                                                                                                                       ISO EN ESPAÑOL
   ABOUT US
                   PARTICIPATE
                                       STAY INFORMED
                                                            PLANNING
                                                                             MARKET & OPERATIONS
                                                                                                         RULES
                                         Hom e > StayInform ed > Release Planning
    About Us
                                         Release planning analyzes the impact of initiatives
   Stay Informed
                                         The release planning process assesses market initiative implementation impacts to determine
                                         target timeframes, project milestones and other resource considerations. It is a collaborative
     Board and Committees
                                         process between the ISO and market participants to optimize the costs and benefits of the
                                         implementation approach prior to committing resources.
      Clean, Green Grid
                                         Plans and schedules
                                         Market Simulation Plan - Fall 2019 Release 6/18/2019 08:08
     Regional Collaboration
                                         System Interface Change Summary 3/26/2019 08:56
     Energy Imbalance Market
                                         Release Schedule 7/12/2019 16:03
                                        ISO program and project management processes P
      Regional Solutions
                                               Annual Functional Release Lifecycle 2/08/2017 13:04
      Subscriptions and notifications
                                               California ISO Program Lifecycle Methodology Version 1.7
                                                                                                       5/20/2016 08:40
                                         Meetings
                                         Market performance and planning forum
                                         Release user group web conferences
                                         RC West settlements working group meetings
        Miscellaneous stakeholder
                                         2019 releases
                                         Starting with the fall 2019 release, all technical specifications and artifacts are available on the ISO Developer site
                                         Login permission is required to access the site.
       Public Forums
                                         Independent 2019
      Release Planning
                                        (+) Metered subsystem load-following 
        Stakeholder Symposium
                                         Fall 2019
                                         Starting with the fall 2019 release, all technical specifications and artifacts are available on the ISO Developer site.
                                         Login permission is required to access the site.
        Meetings and Events
                                        (+) Commitment costs and default energy bid enhancements - implementation [2]
                                        ① Draft settlements technical documentation 
                                        (+) Energy imbalance market enhancements 2019
      Recent Documents
                                         Energy storage and distributed energy resources phase 3 - implementation
     Bulletins Reports and Studies
                                         (+) Local market power mitigation enhancements - implementation
                                         (←) Master file documents [↓]
                                        ⊕ FERC order 841- energy storage resources 
                                         (+) Real time market neutrality settlement - implementation []
                                        🕀 Relia bility must-run and capacity procurement mechanism enhancements - implementation 📳
   Market & Operations
                                        RC West release
```

RC West settlements working group

① Draft settlements technical documentation

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Steps to Download RC Informational Statement from MRI-S

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Net Energy Data RC/HANA Statements RC/HANA Publication	on Status									
Start Date 01/01/2020 31 End Date 12/31/2020 31	ENTITY [ALL]	et Energy Zone		Apply Reset						
Upload File										
Net Energy Data										
☆ ▼ 🖻 🗄										Rows 25 V
	Nat Engran Zana 🌲 Start Data	End Date	MW Value	Cubmission Id III	Current	Undeted Date	MW Value		vious	Undeted Date
ENTITY 🍨 Entity Name	Net Energy Zone 3 Start Date 01/01/2020	End Date 12/31/2020	375.0000000	Submission Id Up 904	dated by	Updated Date 06/18/2019 10:09	500.0000000	Submission Id Updat	led by	Updated Date 06/18/2019 10:09
	01101/2020	TEISTIEVEV	313.000000	504		00/10/2013 10:03	300.000000	300		00/10/2013 10:03
File Type [ALL]		Run Type Version	[ALL]	8	Trade Da	ite	3 Post Dat Post Dat			Apply Reset
RC/HANA Statements										
* 🖲 🖪										
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×No Data found					Determ				,	
					-	-		s Informat		
					Post Da	ates: Cle	ar out k	ooth 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>
```

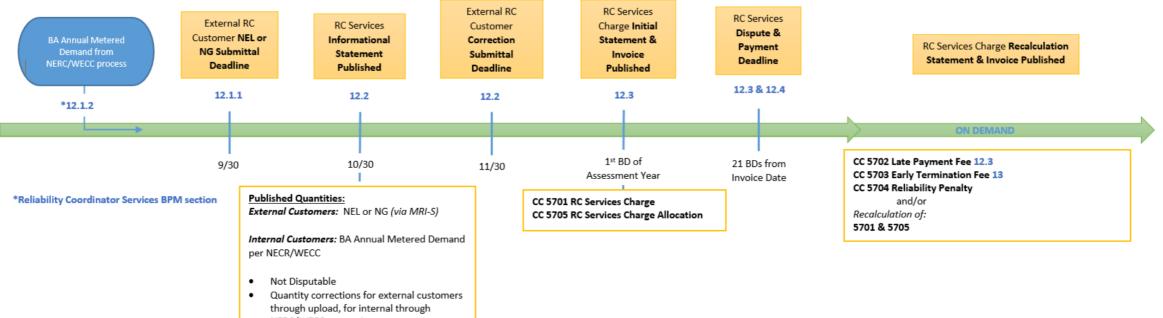


RC Services MRI-S Enhancements

- 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

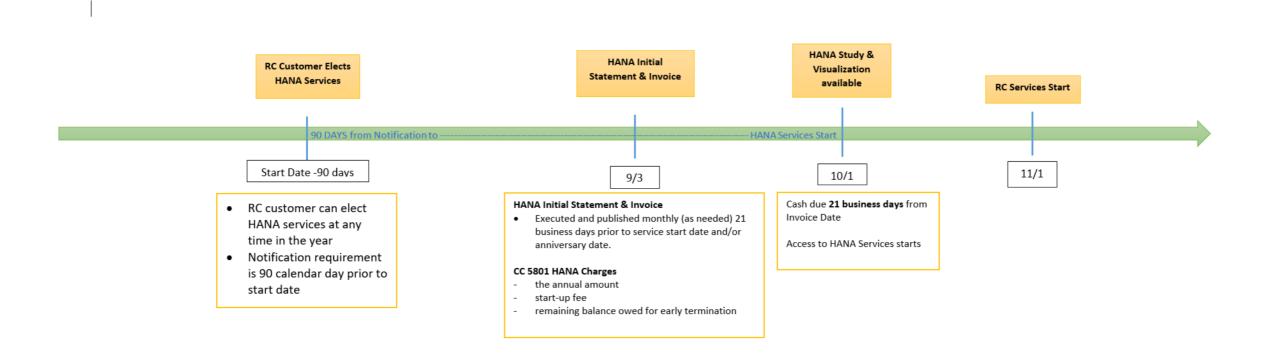
YR 2 Example:

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





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



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: Production
 - 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



Thank You

