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Market Results Interface - Settlements User Guide

Version 1.1
10 May 2018

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Disclaimer

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Version

| Version | Date | Description |
|------------|-------------------|--|
| 1.0 | 09/18/2012 | Initial Version |
| 1.1 | 05/05/2018 | New Functionality. Statement and Invoice Publication Status |
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Overview

The purpose of this user guide is to provide the Scheduling Coordinators (SC) of the California Independent System Operator (CAISO) an overview of the new application called Market Results Interface (MRI) – Settlements. This application will replace the existing Business Associate Portal Interface (BAPI) which is used by SCs to search, select and download Settlement files.

Who Should Read This Guide

The intended audience for this user guide is the Schedule Coordinators registered with the CAISO.

Why This Guide is Important

This Guide is important to prepare the SCs to use the MRI-Settlements application for the market simulation of Fall Release 2012. This will also help the SCs when the application is deployed in production in November 2012.


Objectives

User will be able to:

- Access and view standard Settlement files
- Navigate, search, and download desired Settlement files

Prerequisites

- General understanding of Settlements concepts


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References

- BPM for Settlements and Billing
- Settlements Interface Specification
- Portal User Guide

Version


This version 1.0 of the document is based on Fall Release 2012 Market Simulation.

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Section 1

Portal

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Portal

Objectives

This section includes information on how to access the Market Results Interface (MRI) – Settlements via the CAISO Portal. By the end of this section you should know how to:

- Log-in to the CAISO Portal
- Open MRI-Settlements via the Portal

Overview

The portal allows access to Market Applications along with CAISO reports. Additionally, industry related news and links will be available through the portal. For detailed information on the Portal see the Portal User Guide.

Benefits

The implementation of the Portal provides:


- A single location to access CAISO Market Applications
- A common look and feel across the CAISO Market Applications
- A single digital certificated (per user) for all CAISO Market Applications

Accessing the Portal

All Market Participants will be given access to the Portal. Individual users will be issued a digital certificate, which can be used to access the Portal as well as all market applications. The URL (web address) for the Portal will be distributed with your digital certificate.

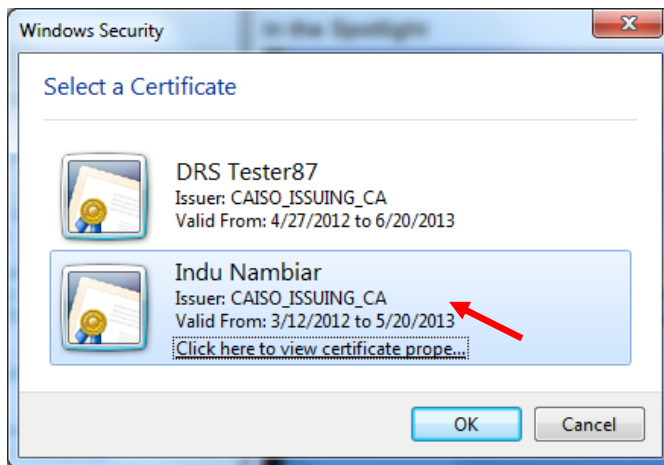
For more information on requesting a digital certificate email certrequest@caiso.com or go to <http://www.caiso.com/pubinfo/info-security/certs/index.html>


For Market Simulation, Participants should have requested and received their digital certificates for Market Simulation testing. For more information, refer to the Market Simulation Guidebook.

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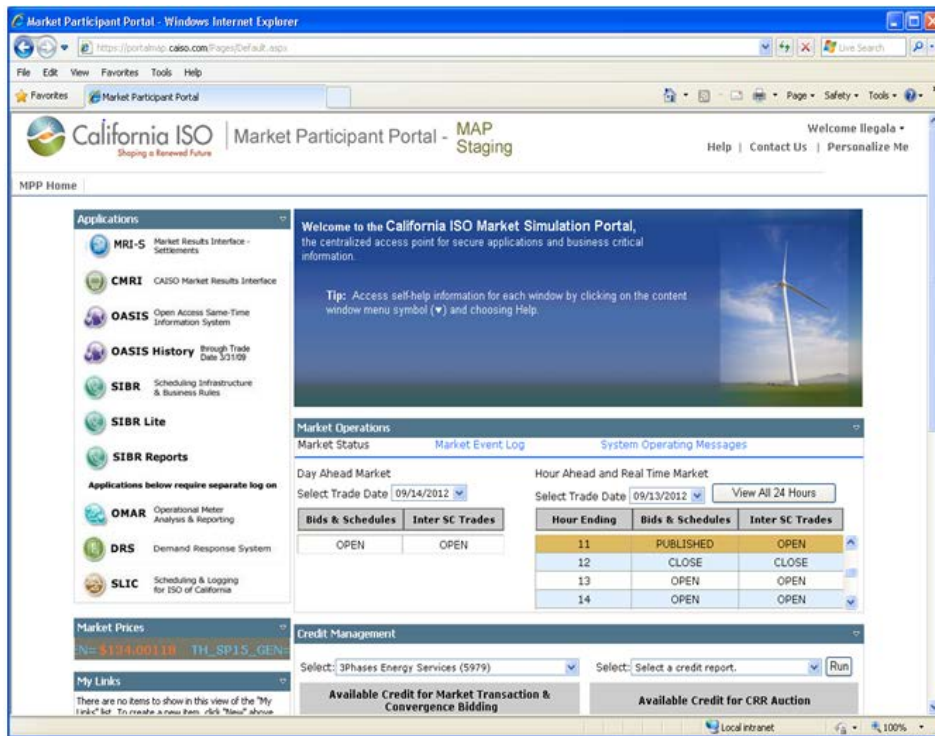
The following step-action table and screen shots will demonstrate how to access the Portal:


| STEP | ACTION | RESULT |
|------|--|--|
| 1 | In the Internet Explorer Address field, type https://portalmap.caiso.com/ and press enter | Client Authentication window will appear |
| 2 | Select the proper Digital Certificate (The Digital Certificate will be the first and last name of the person that requested it.) | Certificate will be highlighted |
| 3 | Click OK button | The Portal home page is displayed |



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The figure below is an example of the Portal home page:



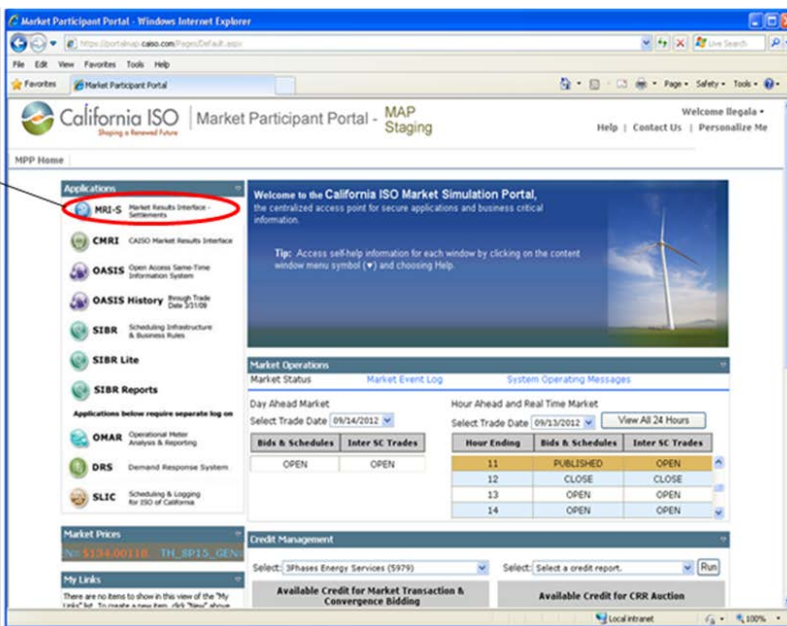
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Accessing MRI-Settlements via Portal


Once logged into the Portal, the next step is to access the MRI-Settlements page of the Portal.

| STEP | ACTION | RESULT |
|------|---|---|
| 1 | Click on "Market Results Interface-Settlements" on the Portal | Market Results Interface – Settlements page will open in new window |

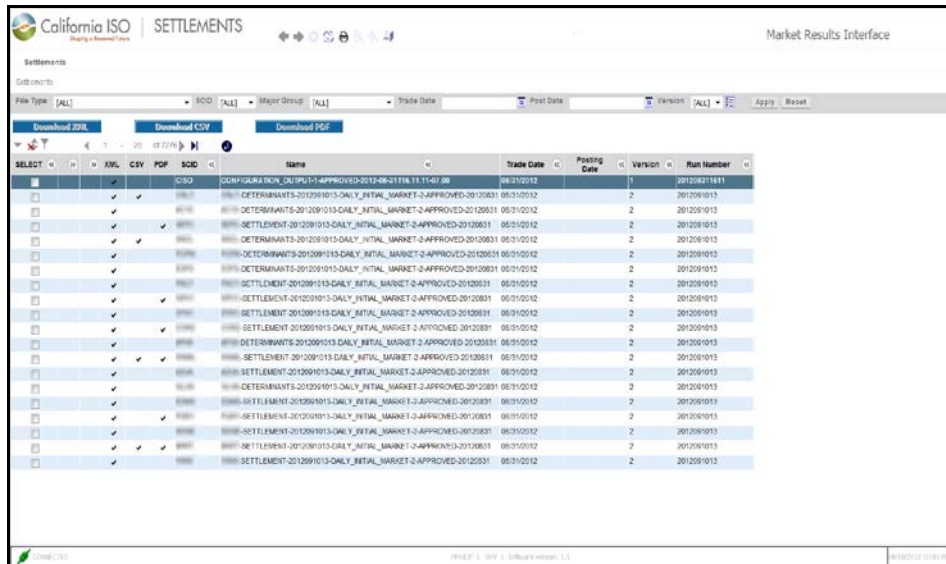
Following is an example of the Portal home page:



The screenshot shows the California ISO Market Participant Portal. A callout box on the left says "Click on the Market Results Interface link" and points to the "MRI-S Market Results Interface - Settlements" link in the "Applications" menu. The main content area includes a welcome message, a tip about self-help information, and sections for Market Operators, Market Status, and Credit Management.


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An example of the MRI-Settlements page is shown in the following figure:



The screenshot displays the 'SETTLEMENTS' page in the Market Results Interface. It features a table with columns for 'Name', 'Trade Date', 'Posting Date', 'Version', and 'Run Number'. The table lists various settlement records, including configurations and determinants for different market types and dates.

| SELECT | XML | CSV | PDF | JSON | Name | Trade Date | Posting Date | Version | Run Number |
|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|------------|--------------|---------|--------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | CONFIGURATION_OUTPUT-APPROVED-2012-08-31T18:11:47:00 | 08/31/2012 | | 1 | 201208311811 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | DETERMINANTS-20120910-3-DAILY_INITIAL_MARKET-2-APPROVED-20120831 | 08/31/2012 | | 2 | 2012091013 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | DETERMINANTS-20120910-3-DAILY_INITIAL_MARKET-2-APPROVED-20120831 | 08/31/2012 | | 2 | 2012091013 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | SETTLEMENT-20120910-3-DAILY_INITIAL_MARKET-2-APPROVED-20120831 | 08/31/2012 | | 2 | 2012091013 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | DETERMINANTS-20120910-3-DAILY_INITIAL_MARKET-2-APPROVED-20120831 | 08/31/2012 | | 2 | 2012091013 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | DETERMINANTS-20120910-3-DAILY_INITIAL_MARKET-2-APPROVED-20120831 | 08/31/2012 | | 2 | 2012091013 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | SETTLEMENT-20120910-3-DAILY_INITIAL_MARKET-2-APPROVED-20120831 | 08/31/2012 | | 2 | 2012091013 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | DETERMINANTS-20120910-3-DAILY_INITIAL_MARKET-2-APPROVED-20120831 | 08/31/2012 | | 2 | 2012091013 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | DETERMINANTS-20120910-3-DAILY_INITIAL_MARKET-2-APPROVED-20120831 | 08/31/2012 | | 2 | 2012091013 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | SETTLEMENT-20120910-3-DAILY_INITIAL_MARKET-2-APPROVED-20120831 | 08/31/2012 | | 2 | 2012091013 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | DETERMINANTS-20120910-3-DAILY_INITIAL_MARKET-2-APPROVED-20120831 | 08/31/2012 | | 2 | 2012091013 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | DETERMINANTS-20120910-3-DAILY_INITIAL_MARKET-2-APPROVED-20120831 | 08/31/2012 | | 2 | 2012091013 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | SETTLEMENT-20120910-3-DAILY_INITIAL_MARKET-2-APPROVED-20120831 | 08/31/2012 | | 2 | 2012091013 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | DETERMINANTS-20120910-3-DAILY_INITIAL_MARKET-2-APPROVED-20120831 | 08/31/2012 | | 2 | 2012091013 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | DETERMINANTS-20120910-3-DAILY_INITIAL_MARKET-2-APPROVED-20120831 | 08/31/2012 | | 2 | 2012091013 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | SETTLEMENT-20120910-3-DAILY_INITIAL_MARKET-2-APPROVED-20120831 | 08/31/2012 | | 2 | 2012091013 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | DETERMINANTS-20120910-3-DAILY_INITIAL_MARKET-2-APPROVED-20120831 | 08/31/2012 | | 2 | 2012091013 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | SETTLEMENT-20120910-3-DAILY_INITIAL_MARKET-2-APPROVED-20120831 | 08/31/2012 | | 2 | 2012091013 |


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Section 2

Market Results Interface - Settlements



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Market Results Interface (MRI) - Settlements

Objectives

This section includes information on how to access and download Settlements files using the Market Results Interface (MRI) – Settlements. After reading this section, you should be able to:

- Locate Settlements files
- Search for Settlements files
- Download the files in the following formats, as applicable: XML, CSV, PDF


Overview

Scheduling Coordinators will be able to access their Settlements files using the MRI-Settlements. This interface includes all Settlements related files, including Statements, Bill Determinants (BD), Invoices, Configuration Output file etc. The files that are accessible are results of running the Settlements calculations. This Interface allows Scheduling Coordinators to retrieve read only files containing Settlements data related to market transactions specific to their resources.



Important to Note


As the information contained within the reports is proprietary, SCs will only be authorized to access their own files.

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The various Settlements files that **CAN** be found in the MRI-Settlements include:

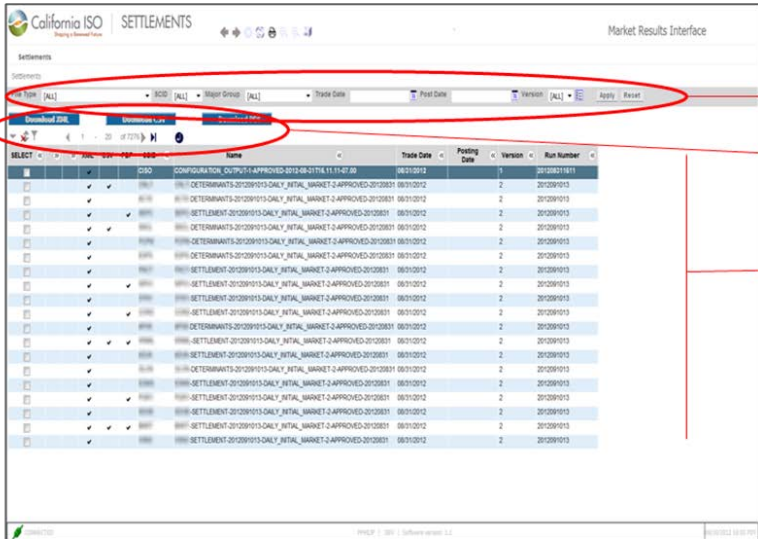
- o Daily Settlement Statement files for all Settlement Run Types
- o Monthly Settlement Statement files for all Settlement Run Types
- o Daily SC specific Bill Determinants (BD) files for all Settlement Run Types
- o Monthly SC specific Bill Determinants (BD) files for all Settlement Run Types
- o Daily CAISO Bill Determinants (BD) files for all Settlement Run Types
- o Monthly CAISO Bill Determinants (BD) files for all Settlement Run Types
- o Invoice files
- o Configuration Output files

The various Settlements files and their descriptions can be found in the Settlements Interface Specification document at <http://www.caiso.com/market/Pages/Settlements/Default.aspx>

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Interface Features


The following illustration shows an *example* of a screen that an end-user will see online, and further discusses the major parts of the interface.



The screenshot displays the California ISO Market Results Interface. A red oval highlights the search parameters section at the top, which includes dropdown menus for 'Trade Type', 'Market Group', 'Trade Date', and 'Post Date', along with 'Apply' and 'Reset' buttons. Below this is a toolbar with various icons for navigation and actions. The main area shows a table of search results with columns for 'SELECT', 'CISO', 'CONFIGURATION', 'Name', 'Trade Date', 'Posting Date', 'Version', and 'Run Number'. The table contains multiple rows of data, each representing a different settlement configuration.

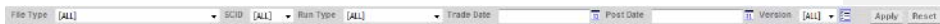
Annotations on the right side of the screenshot identify key interface elements:

- Search Parameters:** Points to the search filter area at the top.
- Toolbar:** Points to the navigation icons below the search filters.
- Search Results:** Points to the data table below the toolbar.

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1 Search Parameters

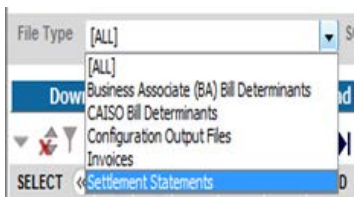
This section contains a set of parameters available for user interaction, to provide an opportunity to limit the output of a report. For example, if a user would like to see the files specific to a trade date, then the specific trade date can be entered in the Trade Date field.



File Type

This parameter is used to narrow down the search based on the file types. The file types available are:


- Business Associate Bill Determinants
- CAISO Bill Determinants
- Configuration Output Files
- Invoices
- Settlements Statements



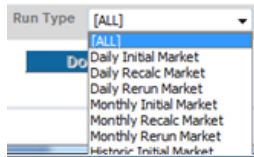
SCID

All the SCIDs that are provisioned in the digital certificate of a user are available in the drop down list for the user to narrow the search based on SC ID.

Run Type

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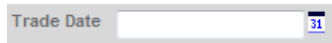
This input parameter allows the user to search for specific run types. The full list of run types and their details are available in the Settlements Interface Specification document.



Trade Date


The user is able to search for files specific to a Settlement trade date. The user is able to type in the trade date or select from a calendar.

The format for typing in the trade date is mm/dd/yyyy. Clicking on the Calendar icon to the right of the field will cause a calendar to open in a different window from which the user can select the date.




Post Date

The user is able to search for files specific to a Settlement files Posting Date. The posting date for Settlement files are aligned with the CAISO payment calendar posted on the CAISO website. The Configuration Output files are posted when a change in configuration rules are made during the deployment of Settlements releases. The posting of the configuration output file is communicated with the SCs during the new release process. The user is able to type in the post date or select from a calendar.


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The format for typing in the post date is mm/dd/yyyy. Clicking on the Calendar icon to the right of the field will cause a calendar to open in a different window from which the user can select the date.

Post Date 

Version

The user can select a specific version of the Settlement file to download. The various versions of the Settlements files are described in the Settlements Interface Specification document. The icon to the right of this field allows for multiple versions to be selected.


Version [ALL] 

Apply & Reset

The Apply button will cause the interface to accept all the filter conditions selected by the user and process the output. The Reset button will clear the user selections thereby allowing the user to input a new set of filter conditions or clear the filter conditions to see all available files.

2 **Toolbar**

The toolbar contains a set of controls available.

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Download Buttons


These buttons enables the user to download the Settlement files in any of the three formats: XML, CSV or PDF. The three buttons are disabled till the user selects the files to be downloaded.



MRI provides the user with three columns specifying the format in which the files are available. These formats are made available based on the requests submitted by the SCs. Depending on the format that is available, the CSV, PDF and/or XML columns are checked.

| XML | CSV | PDF |
|-----|-----|-----|
| ✓ | | |
| ✓ | | |
| ✓ | | |
| ✓ | | |
| ✓ | | |
| ✓ | | |
| ✓ | | |
| ✓ | | |
| ✓ | ✓ | |
| ✓ | ✓ | |
| ✓ | ✓ | ✓ |
| ✓ | ✓ | |
| ✓ | ✓ | |

When the user selects files in multiple formats, all buttons for those formats become active. For example, if a user selects a file in XML and another in CSV

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format, both the “Download XML” and “Download CSV” buttons become active as seen below.



Other Controls



The Hide button allows the user to hide the output panel.


Restore Sort button allows the user to remove any column sorts that have been previously set by the user by clicking on specific column headers.

Inline Filter button allows the user to have a way to filter the results even further based on the results of the main filtering.

Paging Controls



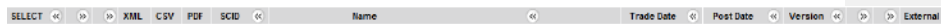
Enables the user to page through the output sequentially, go to the first or last page, or go to a specific page.

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3 Search Results

This section contains details on results generated by running the search parameters.

The following is a screen shot of the header column of the results set.




The following are the column headers available:

- Select
- File Type
- Run Type
- XML
- CSV
- PDF
- SCID
- Name
- Trade Date
- Post Date
- Version
- Run Number

Any of these columns can be collapsed or expanded using the  buttons.

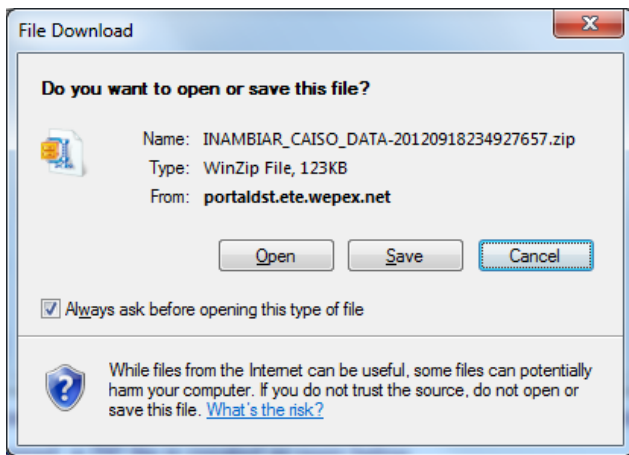
Clicking on any of the column headers will result in the results to be sorted based on that column. The first click will result in the column to be sorted in ascending

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order and the second click will result in the column to be sorted in descending order.

Download Features


When the user selects a file or multiple files and selects the appropriate Download button for the format that is desired, a ZIP file is created as seen below.



The file name will always have the naming convention as
 <CertificateID>- CAISO_DATA-YYYYMMDDHH24MISSFFF.zip

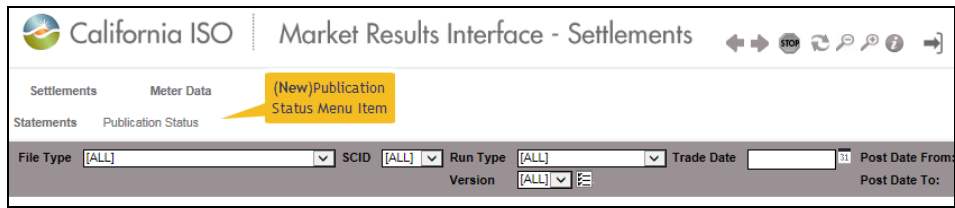
The timestamp at the end of the file name represents the timestamp to the millisecond level when the request for the file was made.

The user can either Save or Open the ZIP file. Upon opening the ZIP file, the user can extract the individual file(s) requested.

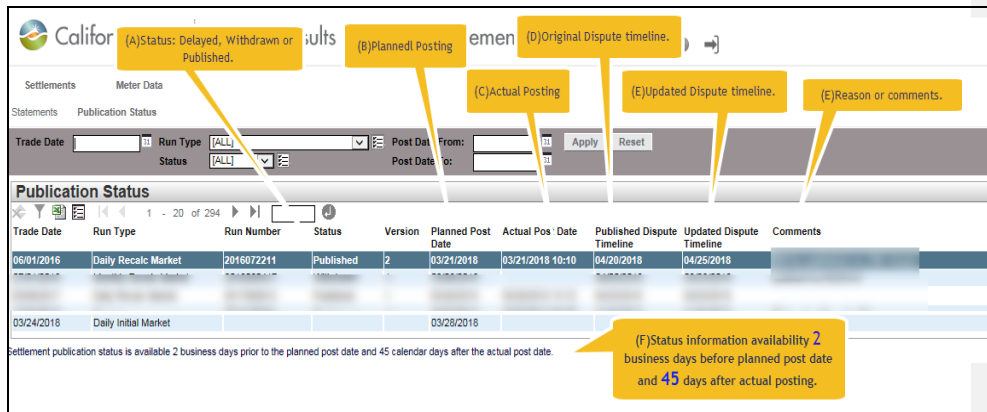
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Statements and Invoice Status Features


New Menu Item “Publication Status” is added in the Market Results Interface – Settlements. The filtering of the data is through File Type, SCID, Run Type, Version, Trade date and posting date from/to.



The “Publication Status” Interface.



Trade date
Run Type

| | | | |
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Run Number

Status: Published, Delayed or Withdrawn

Version

Planned Post Date: Planned post date based on CAISO payment calendar

Actual Post Date: Will differ from Planned Post Date if delayed.

Published Dispute Timeline. Dispute timeline based on the CAISO payment calendar.

Updated Dispute Timeline. Will differ from Published Dispute Timeline if delayed.

Comments.

Commented [AA1]: The payment calendar is referred to as "CAISO payment calendar" in one of the previous paragraphs, so I updated this for consistency.