



MEMBER IMPACTING PROJECT OVERVIEW

BEHIND-THE-METER & DEMAND RESPONSE DATA SUBMISSION

By: Project Team

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Version 1.0

REVISION HISTORY

DATE OR VERSION NUMBER	AUTHOR	CHANGE DESCRIPTION
V1.0 5/16/2023	Scott Maple	Initial document

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EXECUTIVE SUMMARY

This project will develop and implement an application programming interface (API) to collect stakeholder data on accredited behind-the-meter generation and non-registered accredited demand response resources. SPP Operations will use this data, which historically has not been available to the SPP balancing authority, to evaluate the potential availability of additional generation resources to meet load demands.

The API will be accessible through the SPP Portal. The implementation includes integration with a back-end database for aggregation of data by Operations and potentially other SPP teams. This project enables SPP members to meet new requirements established through revision requests 512 and 520. These revision requests were identified as part of the Winter Weather Event Tier 1 Improvement program established after winter storm Uri in February 2021.

This API provides an automated option to the current GlobalScape interim solution that SPP implemented in February 2023. Members required to submit this data may continue to use GlobalScape or adopt the automated solution; there is no requirement at this time to use the API for this data submittal.

NOTE: In this document, the term “members” refers to any and all stakeholders which could include market participants, members, customers, transmission owners, vendors, etc.

BUSINESS IMPACT

Affected?	Services Impacted by Changes
Y	Eastern Interconnection (Integrated Marketplace)
N	Western Reliability Coordination
N	Western Energy Imbalance Services Market

Users Impacted

All load responsible entities (LREs) that have accredited behind-the-meter (BTM) generation resources and/or non-registered accredited demand response (DR) resources.

Business Functions Impacted

Any department(s) identified as responsible for submission of data in accordance with revision request [512](#) and/or revision request [520](#), which resulted in changes to Attachment AA of the tariff.

TECHNICAL IMPACT

Member representatives will need to generate the code for their client applications to use the API. Member client applications must meet the security requirements for submittal of data based on applicable data exchange standards covered in [SPP Connectivity Specifications](#). Submitted data must be in the proper format to be accepted. The user will receive an acknowledgement that their data has been received.

SPP Systems/Processes Impacted

The SPP Portal will be updated to enable access to the API for BTM and DR data submission. SPP will also employ a database to house the submitted data.

Anticipated Member Systems/Processes Impacted

Member and vendor-developed systems that will be used to programmatically push data to the SPP API for BTM and DR data submittal.

Web Services Effective/Retirement Dates

This is a new web service that will be available upon go-live as an option for LREs.

MEMBER REQUIREMENTS

Members' systems and processes should be updated in support of the changes described in the [Business Impact](#) section, as applicable.

TESTING

Testing assumptions:

- All MPs should have already conducted connectivity testing to the appropriate Integrated Test Environment. This project timeline will not include connectivity testing.
- MP staff who are participating in the testing are trained on the systems they are testing.

TRAINING

No formal training will be provided. Instead:

- An API user guide will be made available closer to the time of testing once the API is determined to be ready for users to access.
- Security requirements and other helpful information related to connectivity and certifications found in [SPP Connectivity Specifications](#).
- First-time users of the portal may wish to view "[Getting Started with SPP Portal](#)" on the SPP Learning Center before attempting their initial log-in.

IMPLEMENTATION/BACK-OUT PLAN

Not applicable to creation of a new API. In the event of any issues, members may continue to use the GlobalScape solution while SPP researches and corrects the issue(s).

SUMMARY OF TIMELINE

Date	Responsible Party	Action
03/06/2023-05/23/2023	SPP	Requirements, design, build
05/18/2023	SPP	Publish MP requirements via initial MIPO
05/23/2023	SPP	Publish MP specifications via API User Guide
05/23/2023	SPP	New/updated web service versions enabled in MTE
06/01/2023-06/15/2023	Member	MP unsupported testing phase
06/30/2023	SPP	New/updated web services versions enabled in Production

PROJECT ASSUMPTIONS

Members understand that adoption of this system is not an SPP requirement. They may continue to submit the required data using the current GlobalScape process.

RISKS

No risks have been identified at this time.

ADDITIONAL DOCUMENTATION

An API user guide will be made available closer to the time of testing once the API is determined to be ready for users to access.

COMMUNICATION PLAN

MIPO and Project Documentation

All project communication and information will be posted to the SPP Change User Forum Project Documentation folder [here](#) on spp.org.

This MIPO will be updated with any new information, according to Member Project Touch Points and Deliverables. With any update, a redline version will be posted to the project documentation folder, and the CUF will be notified.

FAQS

Frequently asked questions will be added to the document as identified or necessary.

Question	Origination	Answer
Am I required to submit BTM and DR data?	Staff	Yes. Upcoming changes to tariff Attachment AA require weekly or monthly reporting, depending on grid conditions.
Am I required to use the API solution to submit my data?	Staff	No. You may continue to use the GlobalScape solution initiated in February 2023 as long as you wish.

MORE INFORMATION

At any time, members can ask questions by submitting an RMS ticket using "Submit an Inquiry" from the Request Template dropdown menu, then select "Projects / Initiatives" from the Subtype 1 menu, followed by the appropriate Project / Initiative selection from the Subtype 2 menu (BTM & DR Data Submission).

The image shows a screenshot of an RMS ticket submission form. The fields and their values are as follows:

- Request Template:** Submit an Inquiry
- Submit Date:** 03/28/2022
- Time:** 11 : 50 AM
- * Class:** Customer Relations
- Request Status:** Open
- * Request Type:** Inquiry
- * Subtype 1:** Projects / Initiatives
- * Subtype 2:** (empty)

RMS link: <https://spprms.issuetrak.com/login.asp>

A new user ID may be requested for RMS by clicking on the link to the login and following the directions for "Register Now."