



HELPING OUR MEMBERS WORK TOGETHER  
TO KEEP THE LIGHTS ON... TODAY AND IN THE FUTURE.

# Settlements Replacement Project

Technical Q&A

# Settlements API Services

- Notification Service
- Bilateral Schedules Service
- Meter Data Service
- Calendar Service **New!**
- Transmission Settlements Service **New!**
- Settlement Reports Service

# Notifications Service

## *Functional Changes*

- **Statement Published (Market and Transmission)**
  - Only issued when all scheduled settlements for a statement have been posted and the statement is complete.
- **Statement Recalled (Market and Transmission) *New!***
  - Issued when a posted statement must be recalled and will no longer be accessible.
- **Calendar Published (Market and Transmission) *New!***
  - Issued when changes to the settlements calendar are published.
- **BSS Notifications (Market)**
  - Add Contract Name and Contract Type to all BSS notifications.
- **Meter Data Submittal Processed (Market) *New!***
  - Issued when a meter data file/transaction has been consumed and processed.

# Notifications Service

## *Functional Changes*

- **Meter Data Report Updated (Market) *New!***
  - Issued any time meter data reports have updated.
- **Missing Meter Data (Market) *New!***
  - Issued daily at 12:00 to notify meter agents when expected meter data has not been submitted.
- **Meter Data Unscheduled Consumption (Market) *New!***
  - Issued when SPP consumes meter data after the submission window has already closed.
- **FSE/GFA Validation Report Updated (Market) *New!***
  - Issued when the FSE/GFA validation results have changed.

# Notifications Service

## *Technical Changes*

- Add entity name and type (AO, MA, MP, TC, TO) to all settlement notifications.
- Added XML types to support new notifications.
- Modify applicable notifications to include the new Settlement Run Types (SettlementType).
  - Initial, Final, Resettlement → S7, S53, S120, R# (Market)
  - Initial, Recalc → S1, S2, R# (Transmission)

# Bilateral Schedules Service

## *Functional Changes*

- Add new API operation to allow members to search contracts (headers/profiles) by date range.
- Include Contract Type (BSS, FSE, GFA) and Contract Name as search option for SearchContracts and add both to search results.

# Bilateral Schedules Service

## *Technical Changes*

- Provide a unique transaction ID in the response message for each submission.
- Increment to new major version (v1 → v2).



# Meter Data Service

## *Functional Changes*

- Provide a date and time on the Meter Reports to indicate when the report was last updated.
- Provide ability for users to see the Meter Reports as of each approved Settlement Posting (SettlementType).
- Modify MP Calibration Report to include Top Down Load details.
- New Meter Agent Report Card – Hourly Summary that summarizes the data at an hourly level within a Settlement Area and Meter Location for the Meter Agent.
- New Meter Agent Report Card – Operating Day Summary that summarizes the data submitted and indicates when meter data is missing.
- New Meter Agent Interchange Card – Operating Day Summary that summarizes the data submitted at an hourly level and provides detailed information for each five-minute interval.
- New Meter Agent and MP Meter reports with an Operating Day summary, hourly summary and five-minute details (where applicable).

# Meter Data Service

## *Technical Changes*

- Standardize the use of MeterLocation across all Settlements API element and attribute names.
- Provide a unique transaction ID in the response message for each submission.
- Increment to new major version (v2 → v3).
- Consolidate AO/MP/MA reports into single parameterized operation.
  - Ex: GetMPMeterReportCard → GetMeterReportCard
- Explicit naming of Daily/Hourly/5min reports.
  - Ex: CalibrationReport, CalibrationReportDetail → CalibrationReportDaily, CalibrationReportHourly
- Consolidate XML types to support different levels of granularity (Daily/Hourly/5min).
- Modify applicable reports to include the new Settlement Run Types (SettlementType).
  - Initial, Final, Resettlement → S7, S53, S120, R# (Market)

# Calendar Service *(New!)*

- New API service to support the programmatic query of the settlements calendar:
  - By Calendar Date
  - By Calendar Month
  - By Operating Date
- Updated Settlement Calendars (Market and Transmission) to include reason for resettlements

# Transmission Settlements Service *(New!)*

- New API service to support the programmatic submission of the following transmission data:
  - Direct Assignment
  - Monthly Assessment
  - MVAR
  - Nits Coincident Peak
  - Schedule 12
  - Network Hourly Load

Note: CSV upload via the portal will be also be available for these transmission data submissions for those not using a programmatic interface.

# Transmission Settlements Service *(New!)*

## *Questions*

*SPP has provided Excel spreadsheets templates that can be populated with the member monthly data and then exported to XML and then uploaded via the marketplace portal.*

*Will those spreadsheets still work with the new system for submission of the transmission information? If not, is SPP going to provide updated spreadsheets?*

- CSV upload will be supported for transmission data submission. SPP will provide a CSV template for each type of transmission data submission.

# Transmission Settlements Service *(New!)*

## *Questions*

*Will the API support the CSV format?*

- The API will only accept XML format. Members opting to utilize CSV will be required to upload files via the Settlement UI in the portal.

# Settlement Reports Service

## *Functional Changes*

- Modify existing Market Settlement reports APIs to support both Market and Transmission Settlements.
- Add GetTransmissionSummary API operation.
- Add InvoiceDueDate and InvoicePaymentDate to Invoice API
- Provide programmatic method to retrieve PDF invoices.

# Settlement Reports Service

## *Technical Changes*

- Standardize the use of MeterLocation across all Settlements API element and attribute names.
- Increment to new major version (v1 → v2).
- Consolidate separate MP/AO operations into single operation with parameters.
  - GetStatement, GetAOStatement → GetStatement
- Support for multiple entity types (MP/AO/TC/TO) for request and response XML messages without duplication of report structures.
- Modify applicable reports to include the new Settlement Run Types (SettlementType).
  - Initial, Final, Resettlement → S7, S53, S120, R# (Market)
  - Initial, Recalc → S1, S2, R# (Transmission)



# Settlement Reports Service

## *Questions*

*Will the excel document TO/TC summary files still be provided?*

- TO/TC Summary Report data will be available in the Portal as a new UI to closely resemble summary information provided today in the Excel-based summary report.
- Data from the new summary page can be downloaded in XML or CSV format for offline viewing.
- Data available to download via API (GetTransmissionSummary).
- Data will update immediately when settlements are posted – no longer need to wait for SPP to manually create Excel summary reports.

# Settlement Reports Service

## *Questions*

*Is there an XML report that shows the same display as the TO/TC files (charges by TSR and by type)?*

*Is there a way to export these files to another format (preferably excel) by TSR, and by schedule?*

- The data will be available in the form of a Determinant Report, which can be downloaded as an XML or CSV file.
- CSV file downloaded can be opened in Excel and filtered as needed.
- Determinant reports are also available via API.

# Settlement Reports Service

## *Questions*

*Where would the invoices come through? Would they still be in PDF format, like on the portal?*

- We will have a new Invoice page in the portal where you can view or download invoices as PDF, CSV, or XML files.
- Invoice data will also be available via API.

# Settlement Reports Service

## *Questions*

*It looks like the new API call has more parameters than the existing one. What should we pass to those parameters?*

- *SettlementCategory*
- *SettlementType (changed from ENUM to STRING)*
- SettlementCategory: ENUM for Market, TransmissionDaily, TransmissionMonthly
- SettlementType: STRING value for S1, S2, S7, S53, R#

# Settlement Reports Service

## Questions

*We noticed the following attributes missing from these elements:*

- BillDeterminant: RSGMember, SuppressedBillDeterminant, MeterDataSubmittalLocation*
  - ChargeType: IntervalData, MiscAdjustment*
- BillDeterminant/RSGMember, SuppressedBillDeterminant: Not used and have been removed
  - BillDeterminant/MeterDataSubmittalLocation: Renamed to MeterLocation
  - ChargeType/IntervalData: Because a charge always applies to the entire settlement rather than a specific interval, the IntervalData element was removed. The charge value will be in the ChargeType element.
  - ChargeType/MiscAdjustment: This is not an attribute of a charge and was never used, so it was removed from the schema.

# Settlement Reports Service

## *Questions*

*In the new system, what is the posting timeline for the Transmission Summary Report?*

- The report will be updated as soon as statements are posted.

*In the new system, what is the posting schedule for Transmission Monthly statements?*

- The statement posting timeline for Transmission is unchanged. It will post on the same schedule as today. The posting schedule will be available in the Transmission Calendar which members may view/download via the portal and API.

# Additional Questions

*What value will be returned in the SettlementType field for Operating Days prior to 5/1/2019, but settled in the new system?*

- The new Settlement Types will be used for any Operating Days settled in the new system.
  - Market – S7, S53, S120, R#
  - Transmission – S1, S2, R#

*Is documentation available explaining the new Settlement Types?*

- For Market, the information is available in the RR259 documentation posted on spp.org: <https://www.spp.org/Documents/55063/rr259.zip>
- For Transmission, the information will be provided in the Business Practice Manual that will be posted on spp.org in August 2018.

# Additional Questions

*During member testing, will data be available for members to query reports/statements?*

- Yes, there will be data in the MTE (member testing environment) to support member testing.
- More details will be provided in a future update of the MIPO.



# Additional Questions

*What are the key member dates for the new system?*

- Member testing is scheduled to begin in January 2019.
- Production implementation is scheduled for May 1, 2019.
- More details will be available in version 3 of the MIPO SPP will publish in August 2018.

# Project Documentation

## *Member-Impacting Project Overview (MIPO)*

- Posted on spp.org: <https://www.spp.org/spp-documents-filings/?id=144450>
- Updated MIPO will be posted in August 2018 with more details on member-testing

## *Technical Specifications*

- Draft specs posted on spp.org: [https://www.spp.org/Documents/58131/Settlements-API XML Specifications DRAFT 20180621-1.zip](https://www.spp.org/Documents/58131/Settlements-API_XML_Specifications_DRAFT_20180621-1.zip)
- Updated specs will be posted in August 2018

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