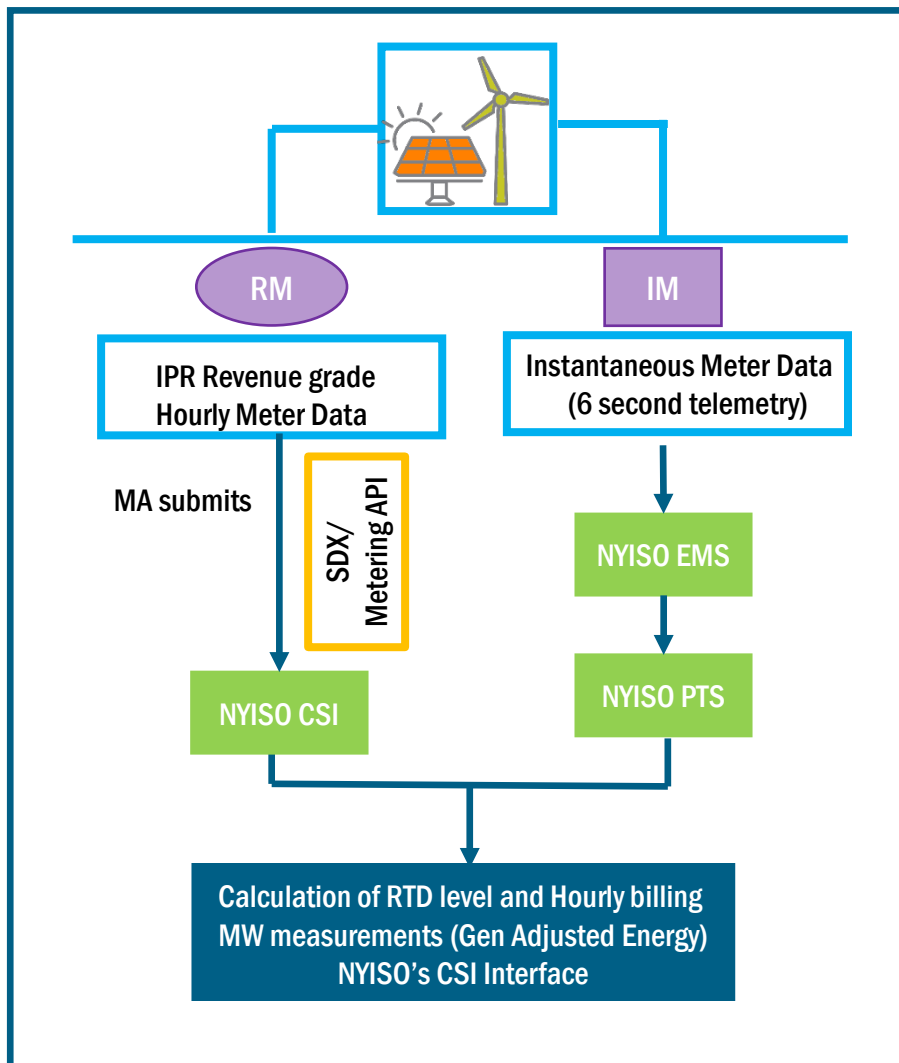# Wind and Solar IPR - Metering Data for Settlement Processing

Meter Data Processing

Terms

Metering Authority (MA):
Entity responsible for calibration, maintenance, operation, and reporting of metered data from an electric revenue meter used in the wholesale electricity markets administered by the NYISO

Settlement Data Exchange (SDX):
A web-enabled application for the upload and download query functions related to hourly tie line, generation, Sub-Zone, and load bus data

Metering API (Application Programming Interface):
System-to-system interface for submission and retrieval of hourly meter data for generation, tie line, and sub-zone data; Will replace the SDX application in the future

EMS:
NYISO's Energy Management System

Performance Tracking System (PTS):
Actual energy injections are measured in real time and telemetered to the NYISO typically every six seconds

Customer Settlements Interface (CSI):
NYISO's online settlement interface that houses meter data review information, all the billing invoices, and related information

- Calculation of the Generator Adjusted Energy includes:
  1. Hourly integration of Instantaneous meter data from the Wind or Solar IPR, and
  2. Profiling process to account for measurement variability between Revenue Grade meter data and Instantaneous telemetry data
- MP should check for discrepancies between MA and PTS hourly interval data in the CSI platform, refer to Section 4.1.3.2 of the Accounting and Billing Manual for details
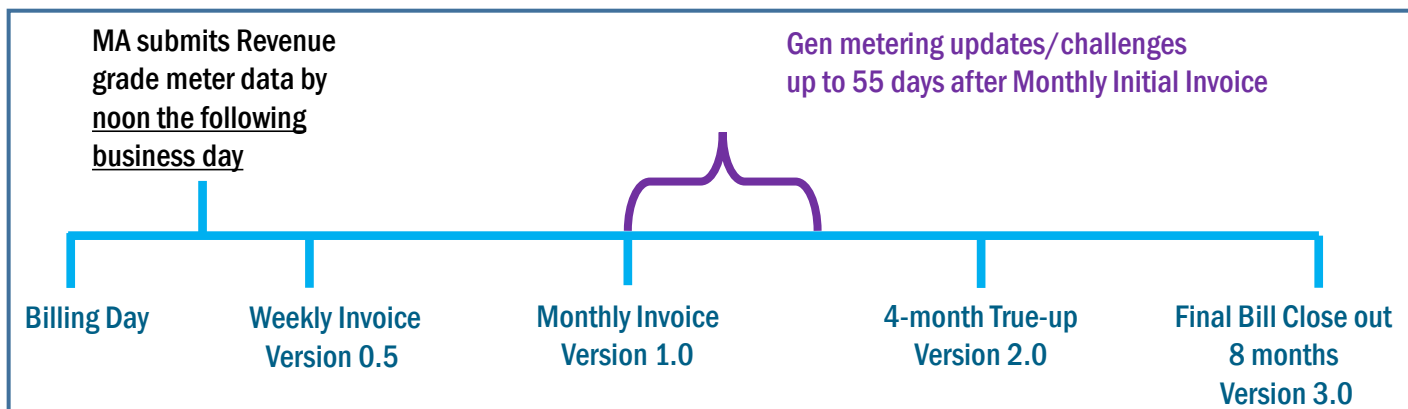- Gen Adjusted Energy calculations used for settlement calculations

Wind and Solar IPR - Metering Data for Settlement Processing

Billing Invoice Cycle*

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* For specific timelines, refer to the Processing and Invoice Schedule on NYISO Website

Tracking a given Billing period:

MA submits Revenue grade meter data by <u>noon the following business day</u>

Gen metering updates/challenges up to 55 days after Monthly Initial Invoice

| Billing Day | Weekly Invoice Version 0.5 | Monthly Invoice Version 1.0 | 4-month True-up Version 2.0 | Final Bill Close out 8 months Version 3.0 |

<u>Note: Each monthly invoice contains a 4-month true up and final bill close out for prior Billing periods</u>

Billing Invoice information

Flexible Invoice Period (FIP):
- Weekly Invoice, version 0.5
- Contains 7 Billing Days or Fewer
- Issued Wednesday of Each Week
- Starts the 1st of every month
- Typically, a Saturday – Friday Billing Period

Monthly Invoice:
- Issued 5th Business Day of Month
- Initial Month Billing Period
- Updates to FIPs as Needed
- Remaining Initial Month Billing Days not Captured in a FIP

Settlement Interfaces Login

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Settlement Data Applications

*SDX Upload/Download

*Customer Settlements Interface

Settlement Data Application User Guide