



# NYISO Finance APIs Expansion

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NYISO IT Finance Technologies

March 2024

# Agenda

- **Existing Finance APIs – Metering**
  - Power Metering – Generators, Ties, Subzones
  - Calculated Subzone Load
- **New Finance APIs – Metering**
  - Transmission Owner Load (TOL) & Verification
  - Generator Performance
  - Minimum Oil Burn Event
- **New Finance APIs – Settlements**
  - Station Power
- **New Finance APIs – Invoicing**
  - Daily Reconciliation – Dollar & MW
- **Finance APIs vs. SDX Templates**

# Finance APIs

- Metering APIs for Power Metering and Calculated Subzone Load were deployed in 2023
- New Finance APIs that implement remaining SDX functionality are planned to be deployed in Q4 2024

# Existing APIs — Metering (Available Now)

- **Power Metering — Generators, Ties, Subzones**
  - Meter Data Submission
    - POST <https://api.nyiso.com/metering/v1/powerMetering>
  - Meter Data Retrieval
    - GET <https://api.nyiso.com/metering/v1/powerMetering>
- **Calculated Subzone Load**
  - Calculated Subzone Load Summary
    - GET <https://api.nyiso.com/metering/v1/calculatedSubzoneLoad/summary>
  - Calculated Subzone Load Detail
    - GET <https://api.nyiso.com/metering/v1/calculatedSubzoneLoad/detail>

# New APIs — Metering (Q4 2024)

## ■ Transmission Owner Load (TOL) & Verification

- TOL Data Submission
  - POST <https://api.nyiso.com/metering/v1/transmissionOwnerLoad>
- TOL Data Retrieval
  - GET <https://api.nyiso.com/metering/v1/transmissionOwnerLoad>
- Load Verification Summary
  - GET <https://api.nyiso.com/metering/v1/transmissionOwnerLoad/verification/summary>
- Load Verification Detail
  - GET <https://api.nyiso.com/metering/v1/transmissionOwnerLoad/verification/detail>

## ■ Generator Performance

- Generator Performance Data Retrieval
  - GET <https://api.nyiso.com/metering/v1/generatorPerformance>

# New APIs — Metering (Q4 2024)

## ■ Minimum Oil Burn Event

- Generator Event Data Submission
  - POST <https://api.nyiso.com/metering/v1/minOilBurnEvent/generator>
- Transmission Owner Event Data Submission
  - POST <https://api.nyiso.com/metering/v1/minOilBurnEvent/transmissionOwner>
- Event Data Retrieval
  - GET <https://api.nyiso.com/metering/v1/minOilBurnEvent>

# New APIs — Settlements (Q4 2024)

- **Station Power**
  - Station Power Settlements
    - GET <https://api.nyiso.com/settlements/v1/stationPower>

# New APIs — Invoicing (Q4 2024)

## ■ Daily Reconciliation

- Daily Dollar Reconciliation
  - GET <https://api.nyiso.com/invoicing/v1/dailyReconciliation/dollar>
- Daily MW Reconciliation
  - GET <https://api.nyiso.com/invoicing/v1/dailyReconciliation/mw>



# Finance APIs vs SDX Templates

HTTP Action	API Endpoint (Relative to https://api.nyiso.com/)	SDX Template(s)
POST	metering/v1/powerMetering	TIE_GEN_SUBZONE_DATA; DUAL_CHANNEL_GEN_DATA
GET	metering/v1/powerMetering	TIE_GEN_SUBZONE_DETAIL (w/o Metering Verification); DUAL_CHANNEL_GEN_DETAIL
GET	metering/v1/calculatedSubzoneLoad/summary	SUBZONE_LOAD
GET	metering/v1/calculatedSubzoneLoad/detail	TIE_GEN_SUBZONE_DETAIL (w/ SUBZONE_PTID)
POST	metering/v1/transmissionOwnerLoad	LOAD_BUS_HOUR_DATA
GET	metering/v1/transmissionOwnerLoad	LOAD_BUS_HOUR_DETAIL
GET	metering/v1/transmissionOwnerLoad/verification/detail	LOAD_BUS_HOUR_DETAIL w/ LOAD_VERIFICATION=DETAIL
GET	metering/v1/transmissionOwnerLoad/verification/summary	LOAD_BUS_HOUR_DETAIL w/ LOAD_VERIFICATION=SUMMARY
GET	settlements/v1/stationPower	STATION_POWER_REPORT
GET	metering/v1/generatorPerformance	GEN_PTS
GET	invoicing/v1/dailyReconciliation/dollar	DAILY_REC_DOLLAR
GET	invoicing/v1/dailyReconciliation/mw	DAILY_REC_MW
POST	metering/v1/minOilBurnEvent/generator	MIN_OIL_BURN_GEN_DATA
POST	metering/v1/minOilBurnEvent/transmissionOwner	MIN_OIL_BURN_TO_DATA
GET	metering/v1/minOilBurnEvent	MIN_OIL_BURN_DETAIL

Available Now

Not Available Until Q4 2024

# Questions?

# Our Mission & Vision



## Mission

Ensure power system reliability and competitive markets for New York in a clean energy future



## Vision

Working together with stakeholders to build the cleanest, most reliable electric system in the nation