

# **Station Power 101: Process and Reporting**

**Billing and Accounting Working Group  
July 20, 2006**

# Station Power Registration

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- ◆ Generator must contact NYISO Customer Relations to request Station Power Registration Material
- ◆ Key settlement data to be provided:
  - *Identify co-located generators (“station power group”)*
  - *Identify generators owned by same Corporate Affiliate (eligible for “remote self-supply”)*
  - *Identify 3<sup>rd</sup> Party Supplier (“load serving entity”)*
- ◆ 3<sup>rd</sup> Party Supplier is notified by NYISO and must affirm relationship prior to bus activation
- ◆ Transmission Owner is notified so as to facilitate station power load data submittals

# Station Power Configurations

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- ◆ Single generator per Station Power load bus
- ◆ Multiple generators per Station Power load bus
- ◆ Multiple station power load buses per Corporate Affiliate
- ◆ Multiple Corporate Affiliates per NYISO billing organization
- ◆ One or more station power load buses or Corporate Affiliates per 3<sup>rd</sup> party supplier

# Daily Processing (initial month)

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- ◆ Generator submits day-ahead load bids and forecasts on station power load buses through load bid web pages on a daily basis (bids, prior to operating day; forecasts can be updated by noon on day following operating day )
- ◆ Meter Authority submits hourly metered generation on a daily basis (following operating day)
- ◆ NYISO runs daily bill and reports results through DSS and ADD files
  - *No ancillary services charged to station power load buses in daily bill*
  - *Energy charges to station power load buses priced at generator bus LBMPs*

# Daily Processing (true-up)

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- ◆ Meter Authority submits hourly load data on station power load buses via TOL process
- ◆ Meter Authority may update hourly metered generation MWhs
- ◆ NYISO runs daily bill and reports results through DSS and ADD files
  - *No ancillary services charged to station power load buses in daily bill*
  - *Energy charges to station power load buses priced at generator bus LBMPs*

# Monthly Processing (initial/true-up)

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- ◆ At end of month, prior to monthly invoicing, NYISO runs Consolidated Invoice Station Power procedure:
  - *Calculates generator's net monthly and hourly positions and type of station power (if any)*
  - *Calculates energy rebates to generator and charges to LSE*
  - *Calculates ancillary services charges for generator and LSE*
  - *Calculates ancillary rebates for loads.*
  - *Invoices all parties.*

# Netting of Station Power Energy

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- ◆ Metered generation is netted against station power consumed on a monthly basis.
- ◆ Net position dictates type of station service.
  - $\sum \text{Generation} > \sum \text{station service consumed [for individual unit or station service group]} \Rightarrow \text{self-supply station service}$
  - $\sum \text{Generation} > \sum \text{station service consumed [aggregated across Corporate Affiliate]} \Rightarrow \text{remote self-supply station service}$
  - *Station service consumption in excess of generation is treated as 3<sup>rd</sup> party station service*

# Station Power Energy Charges

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- ◆ Self-supply / Remote self-supply
  - *Daily energy settlements unchanged*
  - *Generator pays wholesale LBMP for station service*
- ◆ 3<sup>rd</sup> party supply
  - *MWhs in excess of generation are allocated to hours within the month and charged to 3<sup>rd</sup> party supplier at hourly generator LBMP*
  - *Generator is rebated energy settlement \$ charged to 3<sup>rd</sup> party supplier*
  - *3<sup>rd</sup> party supplier pays wholesale LBMP; generator receives retail service*
  - *Aggregate energy settlements (MWhs and \$) reported on Consolidated Invoice (Invoice Details)*



# Station Power Ancillary Services

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- ◆ Station Power load buses are not charged ancillary services through BAS
- ◆ Ancillary service charges for station power load buses are charged based on type of station service and the monthly calculation of net MWhs
- ◆ Remote self-supply is charged NTAC
- ◆ 3<sup>rd</sup> party supplier is charged ancillary services
  - *Flat per MWh charge for NTAC, Schedule 1, VSS*
  - *Average daily rate charged for Residuals, NYISO and Local Uplift, Demand Response Program, Regulation, Reserves and Black Start*

# Ancillary Service Rebates

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- ◆ Limited to allocated ancillary service charges (NYISO-wide and LRR-uplift; Residual adjustments; Demand Response Program; Regulation; Operating Reserves, Black Start)
- ◆ Ancillary service charges collected from Station Power load buses credited to loads based on appropriate monthly load ratio share.
  - *Regulation, Black Start (NYCA Load)*
  - *Reserves (NYCA Load and Exports)*
  - *NYISO-wide and LRR-uplift; Residual adjustments; Demand Response Program (NYCA Load, Exports and Wheel-thrus)*

# Reporting of Station Power

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- ◆ Only Generator energy purchases reported in ADD files
- ◆ Station Power settlements not presently in DSS
- ◆ Settlements for remote self-supply and 3<sup>rd</sup> party supply are calculated only on a monthly basis and are reported in Consolidated Invoice and via the Station Power Download Template.

# Consolidated Invoice Bill Codes

- ◆ Charges Rolled into Existing Bill Codes
  - Wholesale energy charges (self-supply; remote self-supply)
  - Ancillary service charges (3<sup>rd</sup> party supplier)
  - NTAC charges and credits (remote self-supply; 3<sup>rd</sup> party supplier; NYPA)
- ◆ New Bill Codes

Billing Code	Description	Note
708	Station Service Energy Credit/Charge (MWh)	3 <sup>rd</sup> Party Station Power MWhs
709	Station Service Energy Credit/Charge (\$)	3 <sup>rd</sup> Party Station Power \$
817	Station Service NYISO-wide Uplift	Ancillary Services Rebate
818	Station Service Local Reliability Related Uplift	Ancillary Services Rebate
819	Station Service Residual Adjustments	Ancillary Services Rebate
820	Station Service Demand Response Program	Ancillary Services Rebate
821	Station Service Regulation and Frequency Response	Ancillary Services Rebate
822	Station Service Operating Reserves Service	Ancillary Services Rebate
823	Station Service Black Start Service	Ancillary Services Rebate

# Station Power Download Template

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- ◆ Technical Bulletin #124
- ◆ Download template:
  - `USERID=XXXXXX&PASSWORD=XXXXXX&  
QUERY_TYPE=STATION_POWER_REPORT&  
BILLING_MONTH=02/2006&PTID=XXXX&VERSION=2&`
  - *Version Number is equivalent to Consolidated Invoice Version Number – Initial (1); 4-month Settlement Adjustment (2); 12-month Settlement Adjustment (3); Close-Out settlement (4).*
- ◆ Provides detailed data to directly affected parties
  - *Meter Authorities submitting load data*
  - *Generators participating in station power program*
  - *Load-Serving Entities supplying 3<sup>rd</sup> party station power*
- ◆ Data in CSV (comma-separated variable) format

# Station Power Download Template

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- ◆ Data provided:
  - *Date & Hour, Generator PTID, Generator Name, Station Power Load Bid, Station Power Load Forecast, Meter Authority MW value, Net Generation, 3rd Party PTID, 3rd Party Name, 3rd Party MW Allocation, 3rd Party Station Power Credit/Charge, Ancillary Service Charge, Remote Self Supply MW, NTAC Charge*
- ◆ Summary line items presented with date-time equivalent to last date of month and time of 23:59
- ◆ Remote self-supply date (Remote Self Supply MW, NTAC Charge) presented only at summary level
- ◆ 3rd Party Supply data presented hourly and in summary fashion

# Questions

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- ◆ Follow-up?