



NYSEG & RGE TOL File Development

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Overview of Components

- Subzone Load
- Load Profiles
- Retail Customer Data
- Aggregated LSE Load
- NYSEG/RGE Load
- TOL File



Subzone Load

- Hourly TO load
- Based on tie and generation hourly data provided to the NYISO by the metering authority, minus transmission losses
- Downloaded from the NYISO by TO after tie and generation data lockdown on the 5th business day of the month in which the TOL file is due
- Result: TO's hourly subzone load to be apportioned to LSEs



Load Profiles

- Developed from historical interval data collected from statistical samples of customers
- Rate class level
- Average customer hourly usage
- NYSEG = Weekday, Saturday, Sunday/Holiday for each month
- RGE = Weekday, Saturday, Sunday for each month
- Available on NYSEG and RGE websites
- Result:
 - NYSEG = 20 rate class profiles X 3 day types X 12 months = 720 profiles
 - RGE = 15 rate class profiles X 3 day types X 12 months = 540 profiles

Retail Customer Data

NYSEG - customers w/LSE other than NYSEG

RGE –all customers

- Monthly usage data from meter reads - available to customer's LSE via EDI
- Distribution losses based on voltage level at which the customer is served
- Customer's LSE
- Applicable load profile based on rate class
- Subzone assignment
- Result: Retail customer-specific revenue meter usage, applicable load profile, distribution loss factor, subzone, and LSE

Aggregated LSE Load

NYSEG - excluding NYSEG load

RGE – all load

- Calculate individual retail customer usage factor and hourly usage (individual retail customer revenue metered month usage divided by applicable average customer profile total month usage equals usage factor; each hour average customer usage multiplied by usage factor equals individual retail customer hourly usage)
- For each LSE, excluding NYSEG, for each subzone, aggregate customer load by hour for each day of the month
- Result: Total hourly load for each LSE, by subzone, based on customer usage data and load profiles, adjusted for distribution losses



NYSEG Load

- Hourly subzone load downloaded from the NYISO
- Total aggregated LSE hourly load
- Result: $\text{NYSEG Load} = \text{Subzone Load} - \text{LSE Load}$



Adjusted RGE LSE Load

- Net of subzone load minus aggregated LSE load
- Prorated to all LSEs, including RGE
- Added to previously calculated aggregated LSE load



TOL File

- Hourly load for each LSE, by subzone, identified by LSE's NYISO-assigned load bus PTID number
- Uploaded to the NYISO