

Description of EDC Data and Documents in the Monthly Data Portion of the BGS Auction Data Room

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This document provides descriptions of EDC data posted to the monthly data page of the BGS Auction Data Room.

This document refers only to those items that are updated monthly and that are posted to the monthly data page. A companion document posted to the “Additional Data” page of the BGS Auction Data Room for less frequently updated items provides data descriptions for those data sets.

As noted at the end of this document, all data in the BGS Auction Data Room are provided for informational purposes only. The EDCs have compiled the data in good faith from sources believed by the EDCs to be reliable but do not warrant the accuracy of the data. It is the responsibility of users of the posted data to determine whether and how they should be applied; by utilizing the data, users assume all risk associated therewith.

CIEP Threshold

CIEP (Commercial and Industrial Electric Pricing) customers are retail customers:

- who are taking BGS-CIEP; or
- who are served by a Third Party Supplier but who, were they to take BGS, would do so on a CIEP tariff or rate.

The New Jersey Board of Public Utilities (“Board”) determines the CIEP threshold: the Board decides which customers will be served under a CIEP tariff rather than an RSCP (Residential and Small Commercial Pricing) tariff should the customers take BGS. For the period June 1, 2017 through May 31, 2018, the EDCs have proposed that customers in certain rate classes as well as all customers 500 kW or greater are CIEP customers. The tables at the end of this document provide the definition of the CIEP threshold through time, starting with the definition of the CIEP threshold in effect as of June 1, 2013.

CIEP customers include RSCP customers who “opt in” to BGS-CIEP. An RSCP customer who

- is a commercial or industrial customer, and
- is appropriately metered,

can elect to take BGS on a CIEP tariff. The RSCP customer notifies its EDC by the second business day in January and the election takes effect on June 1 for one year. A file named BGS-CIEP Opt-Ins, posted in the “Additional Data” page of the BGS Auction Data Room, provides a count of customers who have opted-in to BGS-CIEP.

Data series use a contemporaneous definition of the CIEP threshold. That is, the data series for a given month use the CIEP definition in effect for that month. (Archived data series from July 2003 or before, which are available strictly for the convenience of bidders, use the CIEP Line in effect during the period August 2003 to May 2004.)

Treatment of Losses in Monthly Data

All hourly load data series pre- and post-June 1, 2007 include both applicable transmission as well as distribution losses.

Hourly Excess Generation (JCP&L Only)

Excess generation data applies only to JCP&L data. To derive net load for hourly load data prior to August 1, 2022, the excess generation data can be summed with the load data reported in the BGS Data Room. Beginning August 1, 2022, excess generation data no longer needs to be summed with the hourly load data to derive net load.

File Naming Convention

‘BGS-CIEP’ is used to refer to retail customers who take BGS on a CIEP tariff.

‘BGS-CIEP Eligible’ is used to refer to retail customers who take BGS-CIEP and to customers who are served by Third Party Suppliers but who, were they to take BGS, would do so on a CIEP tariff or rate. These are also called CIEP customers as defined above.

‘BGS-RSCP’ is used to refer to retail customers who take BGS on an RSCP tariff.

‘BGS-RSCP Eligible’ is used to refer to customers who take BGS-RSCP and to customers who are served by Third Party Suppliers but who, were they to take BGS, would do so on an RSCP tariff or rate. These are also called *RSCP customers*.

Treatment of Daylight Savings in Hourly Load Data

Hourly Loss De-Rating Factors – For PSE&G, JCP&L, ACE, and RECO, the data values labeled “Hour 25” on 11/6/2022, 11/5/2023, and 11/3/2024 correspond to the second instance of Hour 2 that occurs on these Daylight Savings Time (“DST”) dates.

In the following data series for PSE&G, JCP&L, and ACE, the data values labeled “Hour 25” on 11/6/2022, 11/5/2023, and 11/3/2024 correspond to the second instance of Hour 2 that occurs on these DST dates:

- Total Retail Hourly Load
- Total BGS Hourly Load
- BGS-CIEP Eligible Hourly Load
- BGS-CIEP Hourly Load
- BGS-RSCP Eligible Hourly Load
- BGS-RSCP Hourly Load

For RECO hourly load data, the second occurrence of Hour 2 on the following DST dates is provided differently across various years and data series. The statements below describe how each DST date is treated within each data series.

RECO Total Retail Hourly Load:

- On 11/6/2022 and 11/5/2023, the data value labeled as Hour 2 aggregates the first instance of Hour 2 with the second instance of Hour 2 that occurs on the DST date.
- On 11/3/2024, the data value labeled “Hour 25” corresponds to the second instance of Hour 2 that occurs on the DST date.

RECO Total BGS Hourly Load, RECO BGS-CIEP Eligible Hourly Load, and RECO BGS-CIEP Hourly Load:

- On 11/6/2022: A data value representing the second instance of Hour 2 that occurs on this DST date is not available.
- On 11/5/2023 and 11/3/2024, the data value labeled as Hour 2 aggregates the first instance of Hour 2 with the second instance of Hour 2 that occurs on the DST date.

RECO BGS-RSCP Eligible Hourly Load:

- On 11/6/2022, the data value classified as Hour 2 reflects the already aggregated Hour 2 value from the Total Retail Hourly Load data series, less the Hour 2 value from the BGS-CIEP Eligible Hourly Load data series. As data for the second instance of Hour 2 on 11/6/2022 for the BGS-CIEP Eligible Hourly Load data series is not available, the second instance of Hour 2 from the BGS-CIEP Eligible Hourly Load data series has not been subtracted from Total Retail Hourly Load when calculating the BGS-RSCP Eligible Hourly Load value for Hour 2 on 11/6/2022.
- On 11/5/2023, the data value classified as Hour 2 aggregates the first instance of Hour 2 with the second instance of Hour 2 that occurs on this DST date. To calculate the BGS-RSCP Eligible Hour 2 value for 11/5/2023, subtract the already aggregated Hour 2 value for BGS-CIEP Eligible Hourly Load from the already aggregated Hour 2 value for Total Retail Hourly Load.
- On 11/3/2024, the data value classified as Hour 2 aggregates the first instance of Hour 2 with the second instance of Hour 2 that occurs on this DST date. To calculate the BGS-RSCP Eligible Hour 2 value for 11/3/2024, sum the Hour 2 and Hour 25 values from Total Retail Hourly Load, and subtract the already aggregated Hour 2 value from BGS-CIEP Eligible Hourly Load.

RECO BGS-RSCP Hourly Load:

- 11/6/2022: A data value representing the second instance of Hour 2 that occurs on this DST date is not available.
- On 11/5/2023 and 11/3/2024, the data value classified as Hour 2 aggregates the first instance of Hour 2 with the second instance of Hour 2 that occurs on the DST date. To calculate the BGS-RSCP Hour 2 value on these dates, subtract the BGS-CIEP Hourly Load Hour 2 value from the corresponding Total BGS Hourly Load Hour 2 value.

Description of Data Series

The descriptions below follow the order and structure of the “Monthly Data” page of the BGS Auction Data Room: <http://bgs-auction.com/bgs.dataroom.asp>

Aggregate

Note on hourly load data: All hourly load data from June 1, 2007 forward must be adjusted by the Hourly De-Ration Factors in order to achieve settlement loads.

Note on PLA data: All Capacity PLA data for PSE&G, ACE, and RECO are not scaled and should be adjusted by the applicable Daily Zonal Scaling Factor. The transmission NSPL values are already scaled for PSE&G, ACE, and RECO, and do not need to be adjusted.

For JCP&L, the following file(s) do not need to be adjusted by the applicable Daily Zonal Scaling Factors: Total Retail PLA. As of June 1, 2017, the following files should be adjusted by the applicable Daily Zonal Scaling Factors: Total BGS PLA, BGS-CIEP PLA, and BGS-RSCP PLA. As of September 1, 2022, the following files should be adjusted by the applicable Daily Zonal Scaling Factors: BGS-CIEP Eligible PLA and BGS-RSCP Eligible PLA.

Total Retail Hourly Load – Zonal load (all customers) less wholesale customer load.

Total Retail Hourly Excess Generation (JCP&L Only) – Excess generation for zonal load (all customers) less wholesale customer load.

Total Retail Peak Load Allocations – Daily capacity and transmission peak load allocations for all retail load (including load served by Third Party Suppliers). Retail allocations equal the total zonal peak allocations less the peak allocations for wholesale customers.

Total BGS Hourly Load – Zonal load (all customers) less: (i) wholesale load; and (ii) load served by Third Party Suppliers. BGS Hourly Load is equal to Retail Hourly Load less load served by Third Party Suppliers.

Total BGS Hourly Excess Generation (JCP&L Only) – Excess generation for zonal load (all customers) less: (i) wholesale load; and (ii) load served by Third Party Suppliers.

Total BGS Peak Load Allocations – Daily capacity and transmission peak load allocations for the total BGS load. The capacity and transmission peak load allocations are equal to the aggregate zonal allocations less wholesale and Third Party Suppliers’ capacity and transmission peak load allocations.

Switching Statistics Residential and Non-Residential Groups (as provided to the NJ BPU)

– These are the switching statistics as provided to the Board historically and consist of the percentage of accounts and load that have switched to a Third Party Supplier. Switching statistics are provided for the following groups: Residential, Commercial and Industrial <500 kW, Commercial and Industrial 500-750 kW, Commercial and Industrial 750-1000 kW, and Commercial and Industrial >1,000 kW.

BGS-CIEP

BGS-CIEP Eligible Hourly Load – Hourly load for customers taking BGS-CIEP and for customers served by Third Party Suppliers who, were they to take BGS, would do so on a CIEP tariff or rate.

BGS-CIEP Eligible Excess Generation (JCP&L Only) – Excess generation for hourly load for customers taking BGS-CIEP and for customers served by Third Party Suppliers who, were they to take BGS, would do so on a CIEP tariff or rate.

BGS-CIEP Eligible Peak Load Allocations – Daily capacity and transmission peak load allocations for the CIEP customers. The data represent the EDC allocations as reported to PJM for customers taking BGS-CIEP and for customers served by Third Party Suppliers who, were they to take BGS, would do so on a CIEP tariff or rate.

BGS-CIEP Hourly Load – Hourly metered load for customers taking BGS-CIEP at the given time.

BGS-CIEP Hourly Excess Generation (JCP&L Only) – Excess generation for hourly metered load for customers taking BGS-CIEP at the given time.

BGS-CIEP Peak Load Allocations – Daily capacity and transmission peak load allocations for BGS-CIEP load. The data represent the EDC allocations for customers taking BGS-CIEP at the given time.

BGS-CIEP Switching Statistics (as provided to the NJ BPU) – Percentage of accounts and load served by Third Party Suppliers for customers who, were they to take BGS, would do so on a CIEP tariff or rate.

BGS-RSCP

Note on RSCP data: RSCP hourly load data and Peak Load Allocations are derived as residuals.

BGS-RSCP Eligible Hourly Load – Derived as Total Retail Hourly Load less BGS-CIEP Eligible Hourly Load. This represents the hourly load, including losses, for customers taking BGS-RSCP and for customers served by Third Party Suppliers who, were they to take BGS, could do so on a RSCP tariff or rate.

BGS-RSCP Eligible Peak Load Allocations – Derived as the greater of: the Total Retail Peak Load Allocation less BGS-CIEP Eligible Peak Load Allocation; and: the Total BGS Peak Load Allocation less BGS-CIEP Peak Load Allocation. This represents the daily capacity and the daily estimate of transmission peak load allocations corresponding to customers taking BGS-RSCP and customers served by Third Party Suppliers who, were they to take BGS, could do so on a RSCP tariff or rate.

BGS-RSCP Hourly Load – Derived as Total BGS Hourly Load less BGS-CIEP Hourly Load. This represents the hourly load, including losses, for customers taking BGS-RSCP at the given time.

BGS-RSCP Peak Load Allocations – Derived as Total BGS Peak Load Allocation less BGS-CIEP Peak Load Allocation. This represents the daily capacity and transmission peak load allocations for customers taking BGS-RSCP at the given time.

Switching Statistics for BGS-RSCP Eligible <750 kW customers – For various categories based on the customer size, number of accounts and load for: (i) customers <750 kW taking BGS-RSCP; (ii) customers < 750 kW served by Third Party Suppliers who, were they to take BGS, could do so on a RSCP tariff or rate; (iii) total BGS-RSCP eligible customers.

Miscellaneous

Daily Zonal Scaling Factor – Daily Load Scaling Factors used to scale the uploaded Load Serving Entity Obligation Peak Load values to the fixed Obligation Peak Load Allocation of the EDC PJM Zone in the event that the Obligation Peak Load values uploaded to PJM by the EDC do not exactly sum to the Annual Peak Load Allocation for the EDC PJM Zone.

Hourly De-Rating Factors – Hourly factors used for settlement purposes per PJM's implementation of its marginal loss methodology. (Also called "De-Ration" factors.)

Historical

Various data prior to June 1, 2015.

Note on historical BGS-CIEP Eligible Hourly Load data for JCP&L: The data posted by JCP&L under the Archived data heading requires a correction for the period of June 2004 to May 2011. JCP&L's CIEP Eligible hourly load excludes the load of customers over the CIEP threshold in effect for a given date on the GS and GST rate classes and JCP&L's RSCP Eligible hourly load includes the load of customers over the CIEP threshold in effect for a given date on the GS and

GST rate classes. Hence, the BGS-CIEP Eligible hourly load is somewhat understated and the BGS-RSCP Eligible load is somewhat overstated. In the Additional Data section of the BGS Auction Data Room, the hourly loads for GS and GST customers over the CIEP threshold in effect on a given date from June 2004 to May 2011 are provided on a monthly basis. Adjusting the BGS-CIEP Eligible load up by these values and the BGS-RSCP Eligible load down by these values will correct for the exclusion of this load from BGS CIEP-Eligible load data. After June 1, 2011, JCP&L's CIEP Eligible hourly load no longer excludes the load of customers over the CIEP threshold on the GS and GST rate classes and JCP&L's RSCP Eligible hourly load no longer includes the load of customers over the CIEP threshold on the GS and GST rate classes.

Use of Data

These data items are provided by the EDCs for informational purposes only. The EDC have compiled the data in good faith from sources believed by the EDCs to be reliable but do not warrant the accuracy of the data. By utilizing these data, users agree to assume all risks associated therewith. Further, there is no representation that these data are indicative of future outcomes. Without limitation of the foregoing, users should carefully assess the uncertainty associated with future load obligations, including variations in customer usage, migration to Third Party Suppliers, and any future expansion of the CIEP class.

Use of JCP&L Excess Generation Data

For data prior to August 1, 2022, to develop JCP&L load data that is consistent with how JCP&L load has been reported to PJM for settlement purposes, sum the excess generation with the load reported in the BGS Data Room. This calculation can also be used to develop JCP&L total hourly BGS Load, JCP&L total retail hourly load, and BGS-CIEP hourly load net of excess generation. To develop BGS-RSCP hourly load (for data prior to August 1, 2022), subtract the developed BGS-CIEP load data and the Total Retail Hourly excess generation data from the developed Total BGS load data. Beginning August 1, 2022, JCP&L load data no longer needs to be summed with excess generation to be consistent with the JCP&L load reported to PJM for settlement purposes.

Table 1: The CIEP Threshold from June 1, 2013

EDC	Rate Class	Customers Included	Description
PSE&G	High Tension Service (HTS–HV)	All	General purposes at high voltages
	High Tension Service (HTS–Sub)	All	General purposes at sub–transmission voltages
	Large Power and Lighting, Primary Service (LPL–P)	All	General purposes at primary distribution voltages
	Large Power and Lighting, Secondary Service (LPL–S)	Customers 500 kW or greater	General purposes at secondary distribution voltages

JCP&L	General Service Primary (GP)	All	General purposes at primary distribution voltages
	General Service Transmission (GT)	All	General purposes at transmission Voltages
		All	High Tension Service
	General Service Secondary (GS)	Customers 500 kW or greater	General purposes at secondary distribution voltages
	General Service Secondary Time-of-Day (GST)	Customers 500 kW or greater	General purposes at secondary distribution voltages
ACE	Transmission General Service	All	General purposes at high
	Annual General Service – Primary (AGS – Primary)	Customers 500 kW or greater	General purposes at primary distribution voltages
	Annual General Service – Secondary (AGS – Secondary)	Customers 500 kW or greater	General purposes at secondary distribution voltages
	Monthly General Service Primary (MGS – Primary)	Customers 500 kW or greater	General purposes at primary distribution voltages
	Monthly General Service Secondary (MGS – Secondary)	Customers 500 kW or greater	General purposes at secondary distribution voltages
RECO	Service Classification No. 7 – Primary TOU Service and Separately Metered Space Heating Service	All	Primary service customers with demands exceeding 1,000 kW
	Service Classification No. 2 – General Service	Customers 500 kW or greater	General primary and secondary service

Table 1: The CIEP Threshold from June 1, 2011 to May 31, 2013

EDC	Rate Class	Customers Included	Description
PSE&G	High Tension Service (HTS–HV)	All	General purposes at high voltages
	High Tension Service (HTS–Sub)	All	General purposes at sub–transmission voltages
	Large Power and Lighting, Primary Service (LPL–P)	All	General purposes at primary distribution voltages
	Large Power and Lighting, Secondary Service (LPL–S)	Customers 750 kW or greater	General purposes at secondary distribution voltages
JCP&L	General Service Primary (GP)	All	General purposes at primary distribution voltages
	General Service Transmission (GT)	All	General purposes at transmission Voltages
		All	High Tension Service
	General Service Secondary (GS)	Customers 750 kW or greater	General purposes at secondary distribution voltages
	General Service Secondary Time–of–Day (GST)	Customers 750 kW or greater	General purposes at secondary distribution voltages
ACE	Transmission General Service	All	General purposes at high
	Annual General Service – Primary (AGS – Primary)	Customers 750 kW or greater	General purposes at primary distribution voltages
	Annual General Service – Secondary (AGS – Secondary)	Customers 750 kW or greater	General purposes at secondary distribution voltages
	Monthly General Service Primary (MGS – Primary)	Customers 750 kW or greater	General purposes at primary distribution voltages
	Monthly General Service Secondary (MGS – Secondary)	Customers 750 kW or greater	General purposes at secondary distribution voltages
RECO	Service Classification No. 7 – Primary TOU Service and Separately Metered Space Heating Service	All	Primary service customers with demands exceeding 1,000 kW
	Service Classification No. 2 – General Service	Customers 750 kW or greater	General primary and secondary service

Table 2: The CIEP Threshold June 1, 2007 to May 31, 2011

EDC	Rate Class	Customers Included	Description
PSE&G	High Tension Service (HTS–HV)	All	General purposes at high voltages
	High Tension Service (HTS–Sub)	All	General purposes at sub–transmission voltages
	Large Power and Lighting, Primary Service (LPL–P)	All	General purposes at primary distribution voltages
	Large Power and Lighting, Secondary Service (LPL–S)	Customers 1000 kW or greater	General purposes at secondary distribution voltages
JCP&L	General Service Primary (GP)	All	General purposes at primary distribution voltages
	General Service Transmission (GT)	All	General purposes at transmission Voltages
		All	High Tension Service
	General Service Secondary (GS)	Customers 1000 kW or greater	General purposes at secondary distribution voltages
	General Service Secondary Time–of–Day (GST)	Customers 1000 kW or greater	General purposes at secondary distribution voltages
ACE	Transmission General Service	All	General purposes at high
	Annual General Service – Primary (AGS – Primary)	Customers 1000 kW or greater	General purposes at primary distribution voltages
	Annual General Service – Secondary (AGS – Secondary)	Customers 1000 kW or greater	General purposes at secondary distribution voltages
	Monthly General Service Primary (MGS – Primary)	Customers 1000 kW or greater	General purposes at primary distribution voltages
	Monthly General Service Secondary (MGS – Secondary)	Customers 1000 kW or greater	General purposes at secondary distribution voltages
RECO	Service Classification No. 7 – Primary TOU Service and Separately Metered Space Heating Service	All	Primary service customers with demands exceeding 1,000 kW
	Service Classification No. 2 – General Service	Customers 1000 kW or greater	General primary and secondary service

Table 3: The CIEP Threshold June 1, 2005 to May 31, 2007

EDC	Rate Class	Customers Included	Description
PSE&G	High Tension Service (HTS–HV)	All	General purposes at high voltages
	High Tension Service (HTS–Sub)	All	General purposes at sub–transmission voltages
	Large Power and Lighting, Primary Service (LPL–P)	All	General purposes at primary distribution voltages
	Large Power and Lighting, Secondary Service (LPL–S)	Customers 1,250 kW or greater	General purposes at secondary distribution voltages
JCP&L	General Service Primary (GP)	All	General purposes at primary distribution voltages
	General Service Transmission (GT)	All	General purposes at transmission voltages
		All	High Tension Service
	General Service Secondary (GS)	Customers 1,250 kW or greater	General purposes at secondary distribution voltages
	General Service Secondary Time–of–Day (GST)	Customers 1,250 kW or greater	General purposes at secondary distribution voltages
ACE	Transmission General Service (TGS)	All	General purposes at high voltages
	Annual General Service – Primary (AGS – Primary)	Customers 1,250 kW or greater	General purposes at primary distribution voltages
	Annual General Service – Secondary (AGS – Secondary)	Customers 1,250 kW or greater	General purposes at secondary distribution voltages
	Monthly General Service Primary (MGS – Primary)	Customers 1,250 kW or greater	General purposes at primary distribution voltages
	Monthly General Service Secondary (MGS – Secondary)	Customers 1,250 kW or greater	General purposes at secondary distribution voltages
RECO	Service Classification No. 7 – Primary TOU Service and Separately Metered Space Heating Service	All	Primary service customers with demands exceeding 1,000 kW
	Service Classification No. 2 – General Service	Customers 1,250 kW or greater	General primary and secondary service

Table 4: The CIEP Threshold June 1, 2004 to May 31, 2005

EDC	Rate Class	Customers Included	Description
PSE&G	High Tension Service (HTS–HV)	All	General purposes at high voltages
	High Tension Service (HTS–Sub)	All	General purposes at sub–transmission voltages
	Large Power and Lighting, Primary Service (LPL–P)	All	General purposes at primary distribution voltages
	Large Power and Lighting, Secondary Service (LPL–S)	Customers 1,500 kW or greater	General purposes at secondary distribution voltages
JCP&L	General Service Primary (GP)	All	General purposes at primary distribution voltages
	General Service Transmission (GT)	All	General purposes at transmission voltages
		All	High Tension Service
	General Service Secondary (GS)	Customers 1,500 kW or greater	General purposes at secondary distribution voltages
	General Service Secondary Time–of–Day (GST)	Customers 1,500 kW or greater	General purposes at secondary distribution voltages
ACE	Transmission General Service (TGS)	All	General purposes at high voltages
	Annual General Service – Primary (AGS–Primary)	Customers 1,500 kW or greater	General purposes at primary distribution voltages
	Annual General Service – Secondary (AGS–Secondary)	Customers 1,500 kW or greater	General purposes at secondary distribution voltages
	Monthly General Service Primary (MGS – Primary)	Customers 1,500 kW or greater	General purposes at primary distribution voltages
	Monthly General Service Secondary (MGS – Secondary)	Customers 1,500 kW or greater	General purposes at secondary distribution voltages
RECO	Service Classification No. 7 – Primary TOU Service and Separately Metered Space Heating Service	All	Primary service customers with demands exceeding 1,000 kW
	Service Classification No. 2 – General Service	Customers 1,500 kW or greater	General primary and secondary service

Table 5: The CIEP Threshold August 1, 2003 to May 31, 2004

EDC	Rate Class	Customers Included	Description
PSE&G	High Tension Service (HTS–HV)	All	General purposes at high voltages
	High Tension Service (HTS–Sub)	All	General purposes at sub–transmission voltages
	Large Power and Lighting, Primary Service (LPL–P)	All	General purposes at primary distribution voltages.
JCP&L	General Service Primary (GP)	All	General purposes at primary distribution voltages
	General Service Transmission (GT)	All	General purposes at transmission voltages
		All	High Tension Service
ACE	Transmission General Service (TGS)	All	General purposes at high voltages
RECO	Service Classification No. 7 – Primary TOU Service and Separately Metered Space Heating Service	All	Primary service customers with demands exceeding 1,000 kW