

Reserve Pickup Performance Winter 2019-2020

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Reserve Pickup Event Performance Data

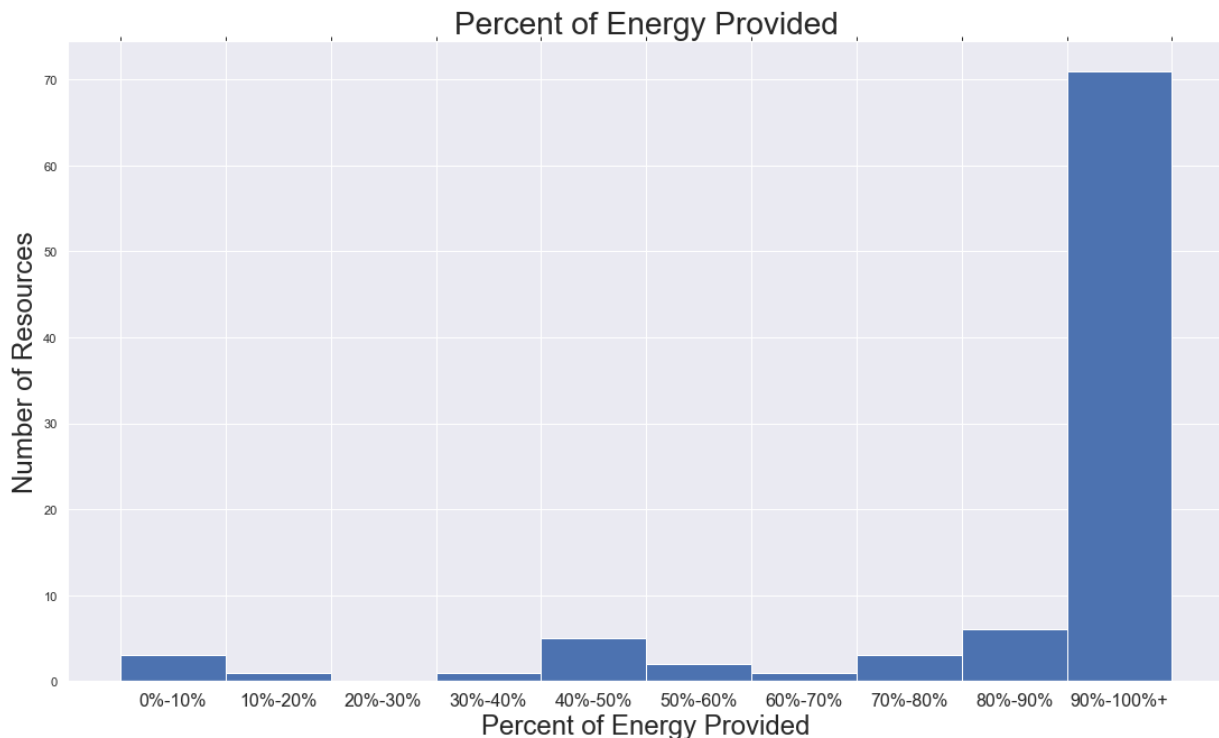
RPU Event Performance Results

- The below tables summarize the results of NYISO's analysis
 - Time Period: November 2019 though April 2020
 - 16 RPUs occurred in this period

Pass and Fail Rates During a RPU				
	Pass	Fail	Total	Pass %
GTs	8	2	10	80%
All Resources	83	10	93	89%

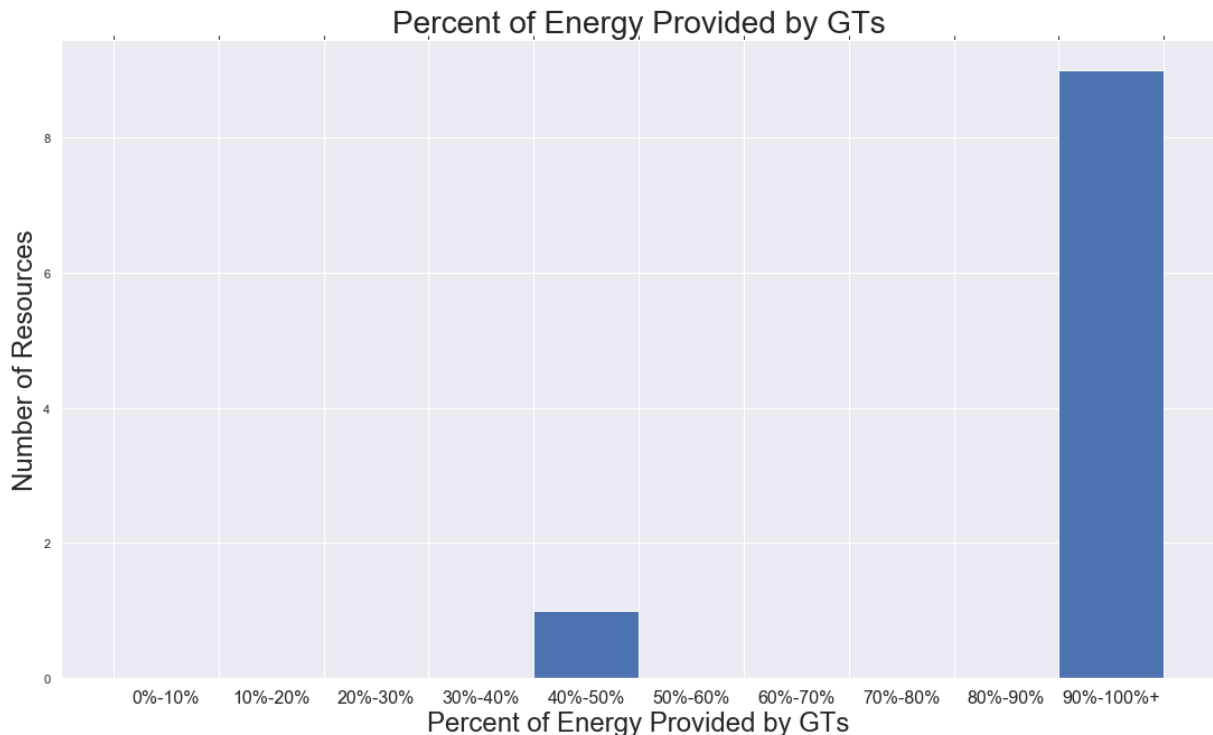
Total Quantity of Energy Expected and Provided During a RPU			
	Total Energy Expected (MW)	Total Energy Provided (MW)	Percent of Energy Provided
GTs	367	365	99.6%
All Resources	2815	3649	130%

Percent of Energy Provided



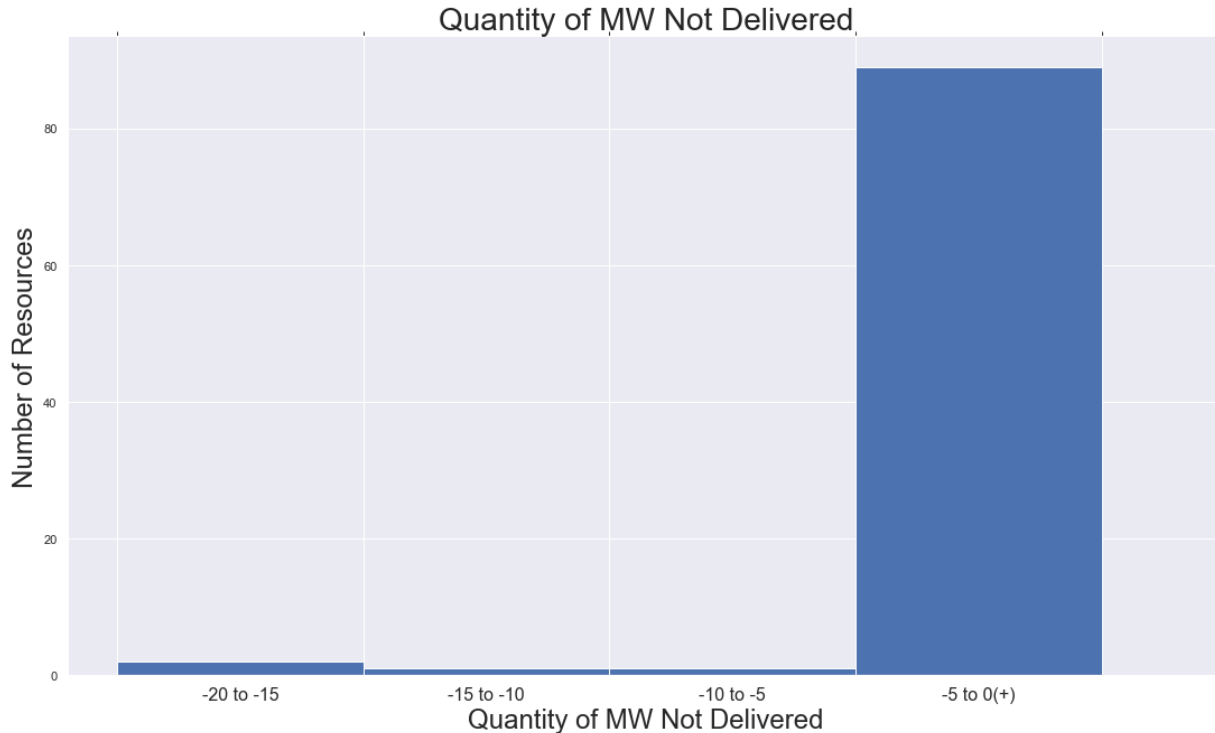
- This graph shows the distribution of the percent of energy (total energy provided/total energy expected) provided by each reserve provider that was asked to convert reserves to energy when an RPU was activated in real time
 - 16 RPUs occurred between November 2019 and April 2020
 - There were 93 unique instances in which a resource was asked to convert reserves to energy
 - For GTs, total energy provided was measured at the 11th minute after the start of the RPU. For all other resources, total energy provided was measured one minute after the end time of the RPU
- This graph shows that 76% of the time, resources provided more than 90% of total energy expected

Percent of Energy Provided by GTs



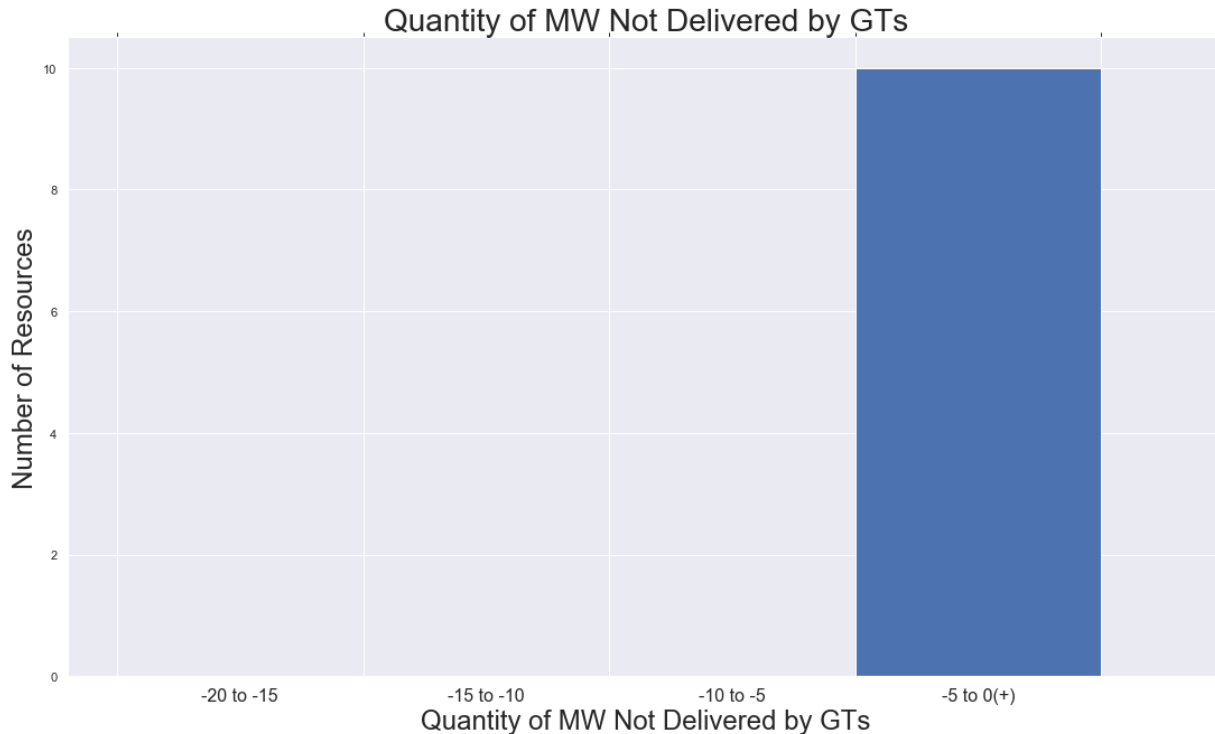
- This graph shows the distribution of the percent of energy (total energy provided/total energy expected) provided by 10-Minute GTs when asked to convert reserves to energy when an RPU was activated in real time
 - 16 RPUs occurred between November 2019 and April 2020
 - There were 10 unique instances in which a GT was asked to convert reserves to energy
 - Total energy provided was measured at the 11th minute after the start of the RPU
- This graph shows that 90% of the time, units provided more than 90% of total energy expected

Quantity of MW Not Delivered



- This graph shows the distribution of the quantity of MW not delivered (total energy expected minus total energy provided) for each reserve provider when asked to convert reserves to energy when an RPU was activated in real time
 - 16 RPUs occurred between November 2019 and April 2020
 - There were 93 unique instances in which a resource was asked to convert reserves to energy
 - For GTs, total energy provided was measured at the 11th minute after the start of the RPU. For all other resources, total energy provided was measured one minute after the end time of the RPU
- This graph shows that 96% of the time, a resource met, exceeded, or missed its expected energy by less than 5 MW

Quantity of MW Not Delivered by GTs



- This graph shows the distribution of the quantity of MW not delivered (total energy expected minus total energy provided) for 10-Minute GTs when asked to convert reserves to energy when an RPU was activated in real time
 - 16 RPUs occurred between November 2019 and April 2020
 - There were 10 unique instances in which a GT was asked to convert reserves to energy
 - Total energy provided was measured at the 11th minute after the start of the RPU
- This graph shows that **100%** of the time, a unit met, exceeded, or missed its expected energy by less than 5 MW

Our mission, in collaboration with our stakeholders, is to serve the public interest and provide benefit to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policymakers, stakeholders and investors in the power system

