

The NYISO Is Ready For Summer

Electric Grid Preparedness 2019

New York Independent System Operator

Media Briefing

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Meet the Presenter



Wesley Yeomans

Vice President, Operations

Wes Yeomans has over 30 years of electric transmission experience. Wes leads the NYISO Operations Department with responsibility for the reliable operation of the New York transmission system. The Operations Department schedules least cost energy supplies on a day-ahead and real-time basis ensuring that sufficient resources will be available to meet New York's electricity needs.

Last Summer 2018 Hot Weather Operations

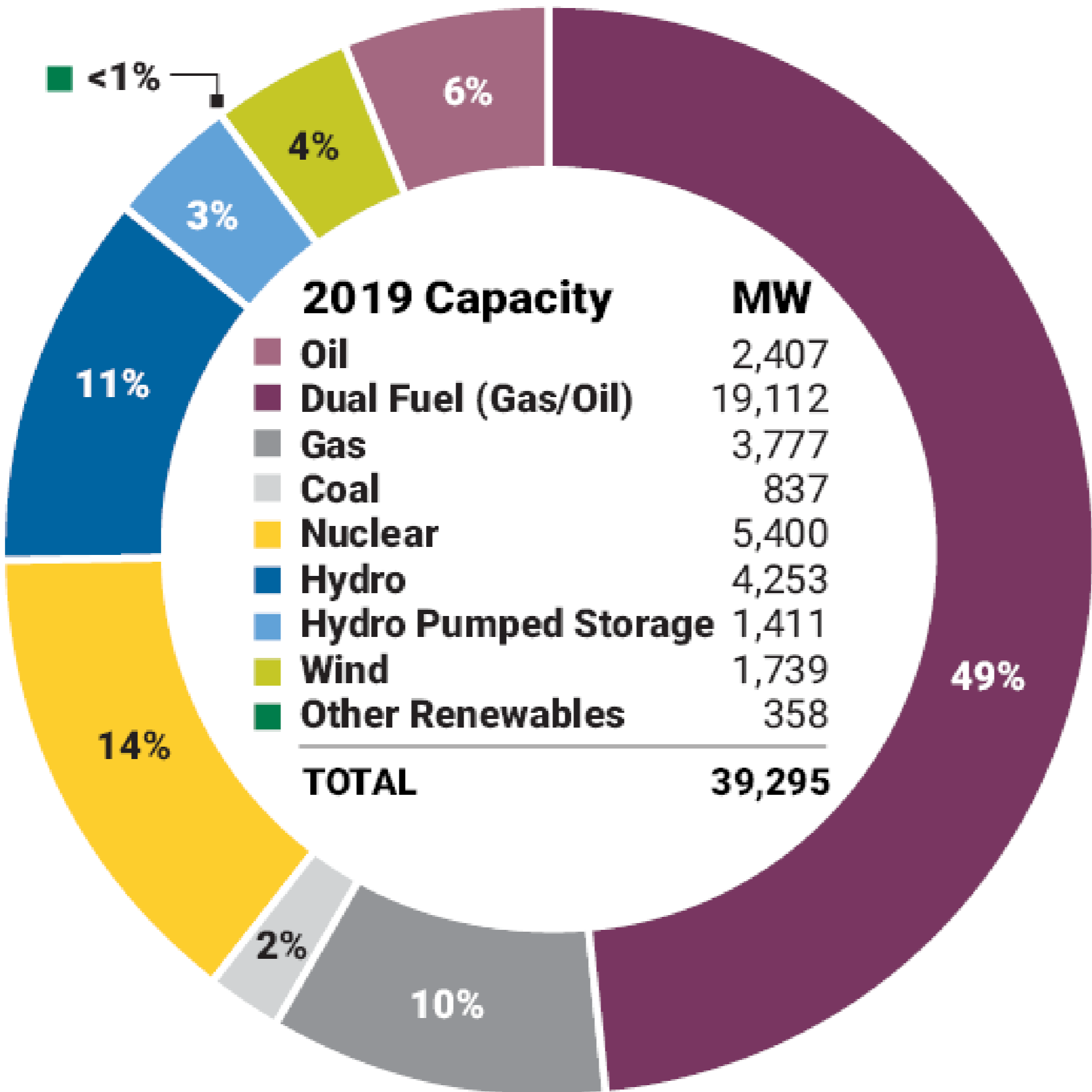
- Actual ambient temperatures were above the 20-year mean in May, July, and August; and near average in June
 - 19 days over 90°F in Albany
- Total load (GWh) was above 50/50 forecast projections
- Peak load was below the 50/50 projection for the 5th consecutive summer
 - Summer 2018 50/50 forecast was 32,904 MW
 - Summer 2018 actual peak load was 31,861 MW (August 29)
- Six days with peak loads over 31,000 MW
 - Summer 2017 actual peak load was 29,677 MW

Summer 2019 Preparedness

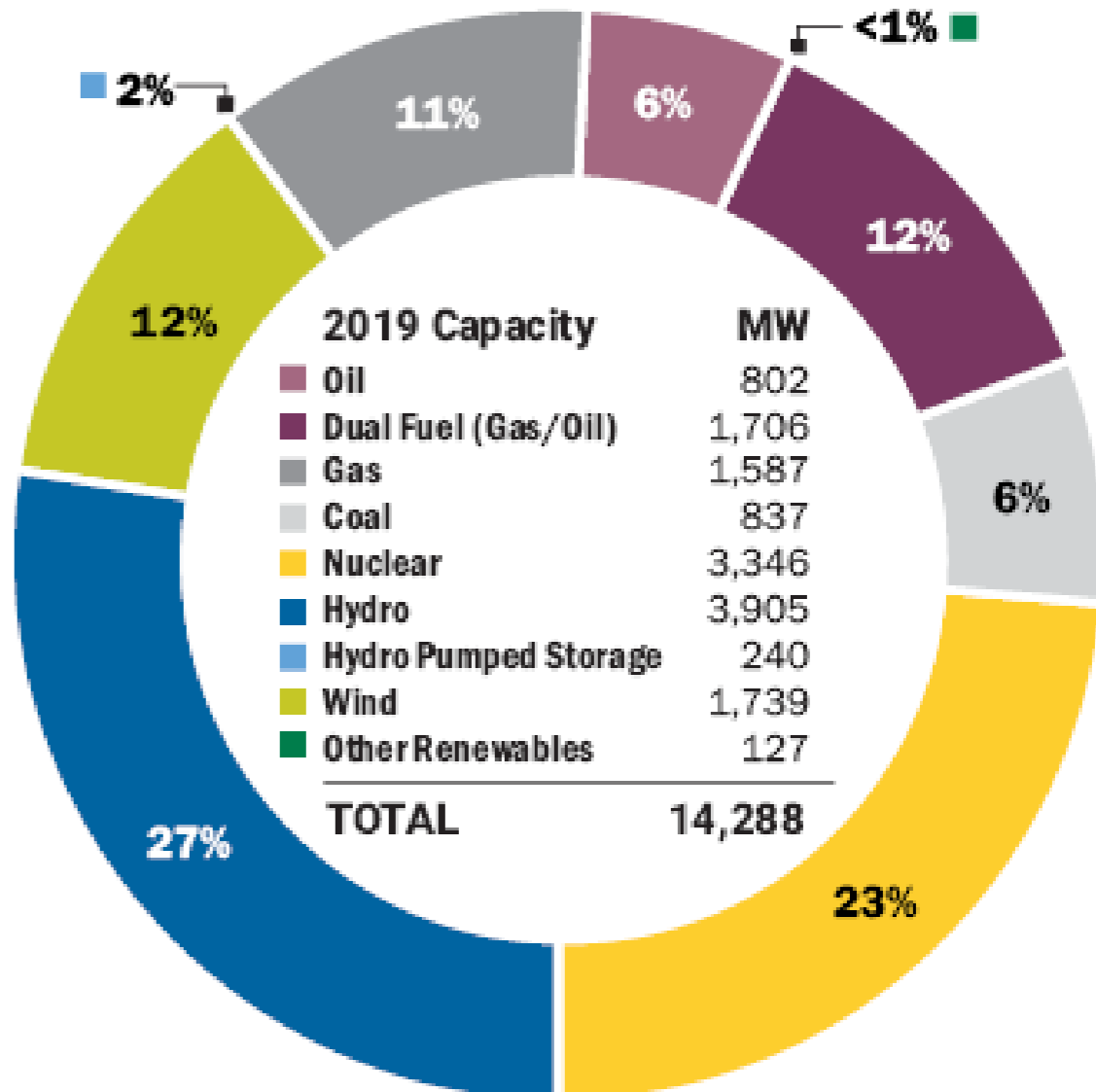
- The NYISO has performed on-site visits of key generating stations to discuss maintenance, testing, and adequacy of fuel supplies for hot weather operations
- Existing Minimum Oil Burn procedures defined by the New York State Reliability Council (NYSRC) establish fuel switching requirements at certain high load thresholds in New York City and Long Island to ensure electric reliability for gas pipeline contingencies
- Coordination of New York Electric Utility preventative transmission maintenance
- Completion of operator training including non-emergency & emergency drills

Fuel Mix – Generating Capacity

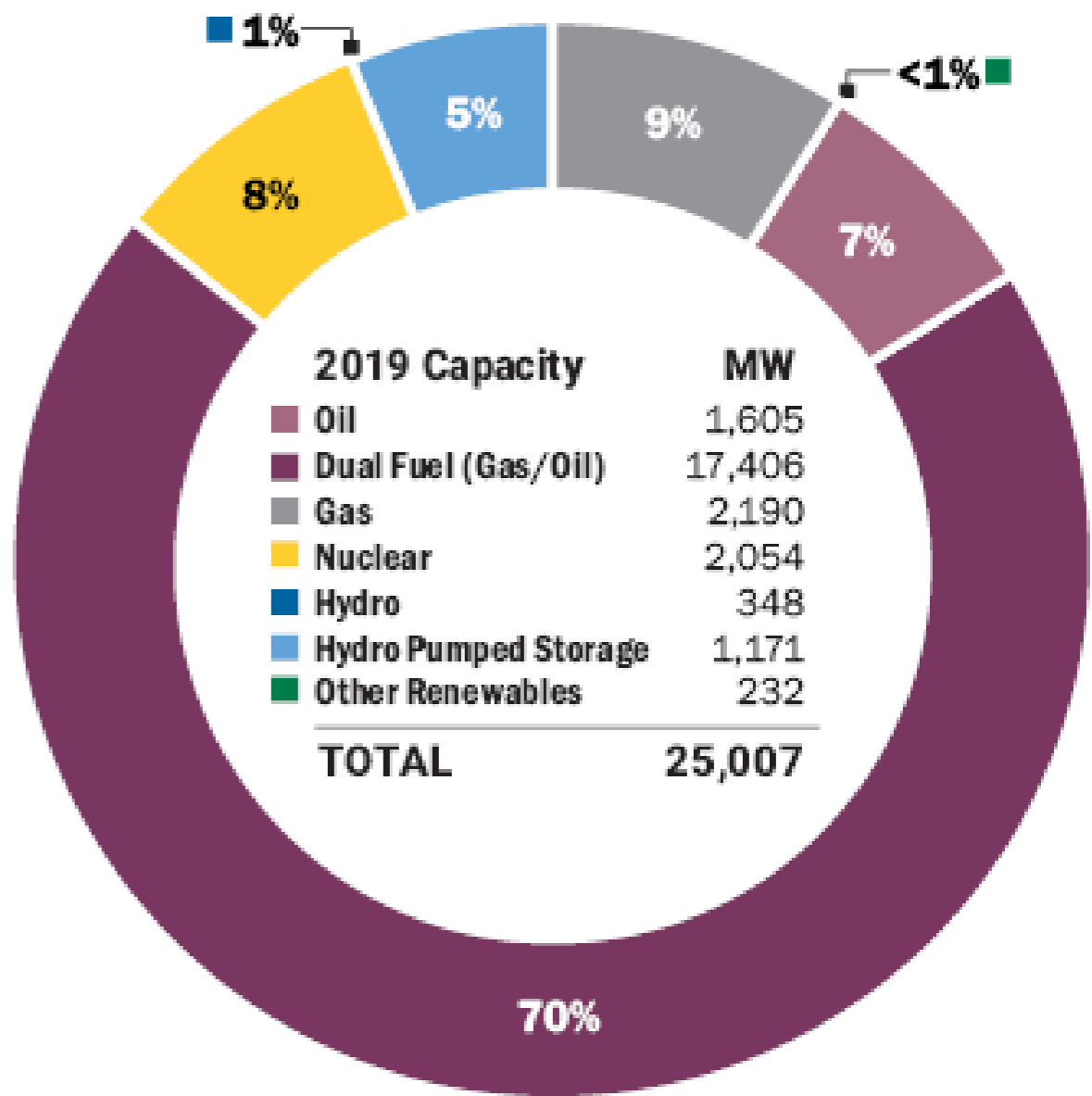
New York Statewide Generating Capacity by Fuel Source: 2019 Power Trends



Upstate (zones A-E) Generating Capacity by Fuel Source: 2019



Downstate (zones F-K) Generating Capacity by Fuel Source: 2019



2019 Summer Capacity Assessment

For projected baseline peak conditions and expected performance of the transmission system, generation, and pipeline infrastructure the NYISO expects to meet reliability criteria throughout Summer 2019 including heat wave conditions

- **NYISO Capacity Margins: Summer Heat Wave (50-50) Conditions**

+42,056 MW	Capacity Supplies
-4,827 MW	Projected Generator Derates
-32,382 MW	Peak Load Forecast (50-50)
-2,620 MW	Operating Reserve Requirement

+2,227 MW Projected Capacity Margin

- **NYISO Capacity Margins: Summer Extreme Heat Wave (90-10) Conditions**

-34,186 MW	Peak Load Forecast (90-10)
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+423 MW Projected capacity Margin

The Mission of the New York Independent System Operator, in collaboration with its stakeholders, is to serve the public interest and provide benefits 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



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