



Department
of Public Service

2021 Summer Preparedness

May 13, 2021

2021 Summer Preparedness New York State

Electric System Preparedness

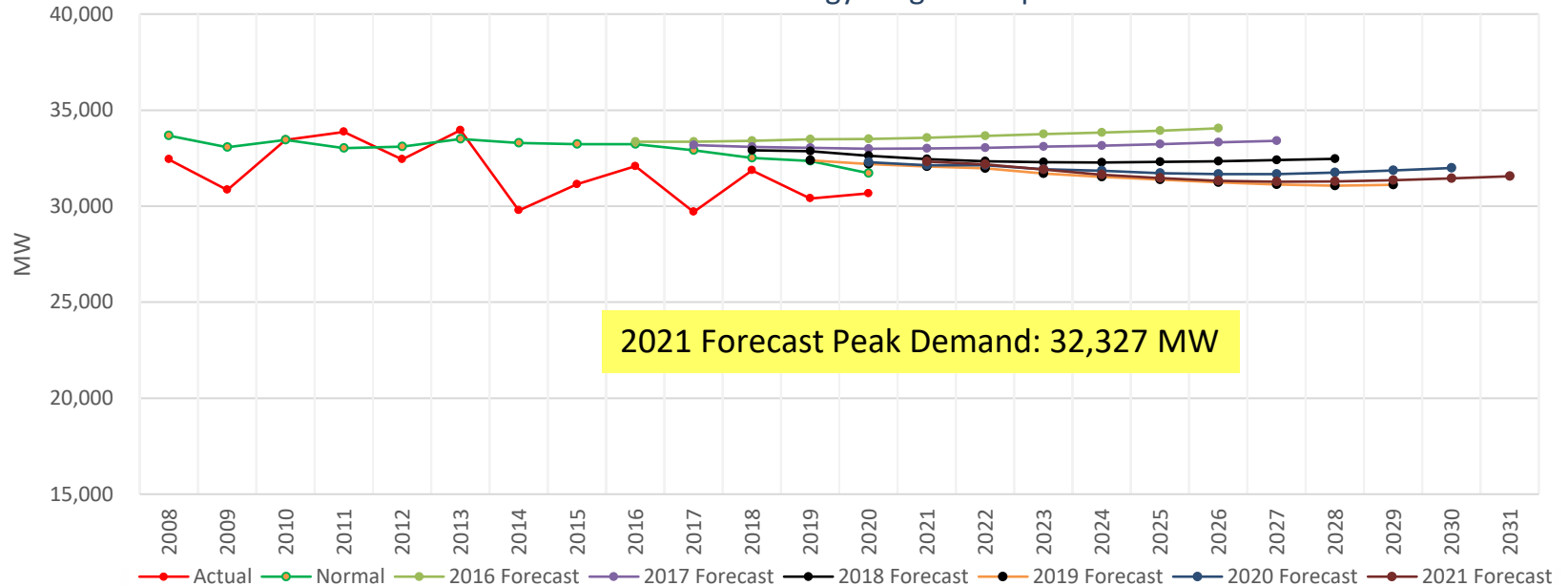
Utility Transmission and Distribution Systems Preparedness

- **Surveys** - Discussed responses to preparedness survey with each utility
- **Work** - All planned reinforcements, inspections, and repairs are or will be completed
- **Spares** - Each utility has adequate spare equipment on hand
- **Planned Outages** - Major generator and transmission planned outages require NYISO approval, and are avoided during peak periods
- **Meeting Demand** - Each utility expects to meet peak demand with all lines and generators in service
- **Meeting Criteria** - Each meets NPCC and NYSRC operating criteria
- **Mitigation** – NYISO and each utility have operating procedures to mitigate reliability issues

Historical Actual, Normal, & Forecast – Summer Peak(MW)

Actual, Normal, & Forecast - Summer Peak (MW)

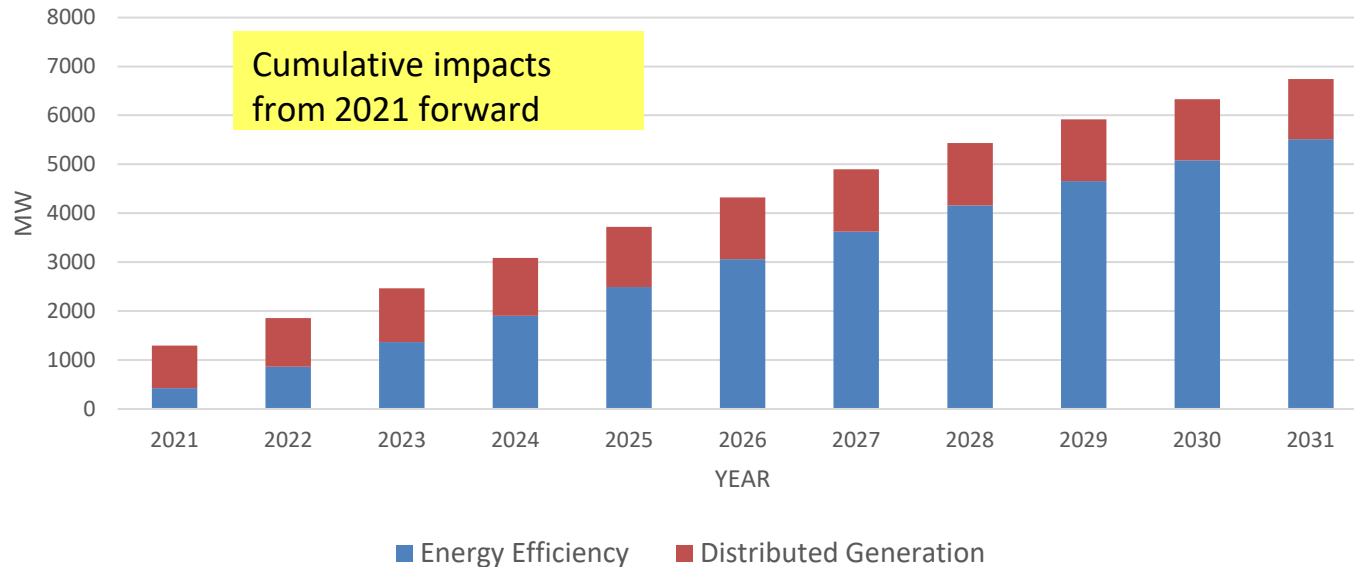
NYCA Base Case - With Energy Program Impacts



Source: NYISO

Forecast Impact on Summer Peak Demand (MW) of Energy Efficiency and Distributed Generation

Forecast Energy Program Impacts - Summer Peak (MW)
NYCA



Source: NYISO

2021 Summer Capability

	2020	2021
Installed Generation Capacity	38,475	37,785
Demand Response – Special Case Resources (SCRs)	<u>1,282</u>	<u>1,195</u>
Total NY Control Area (NYCA) Internal Capability	39,757	38,980
Net Firm Purchase Imports	<u>1,562</u>	<u>2,087</u>
Total Capability	41,319	41,066

NYS Peak Demand and Installed Reserve Margin

	Forecast
Demand Forecast	32,327 MW
20.7% Required Installed Reserve Margin (IRM)	6,692 MW
Total Capability Requirement	39,019 MW
Total Capability This Summer	41,066 MW
Surplus (Capability Above Requirement)	2,047 MW
Capability Versus Demand Forecast (%)	127.0%

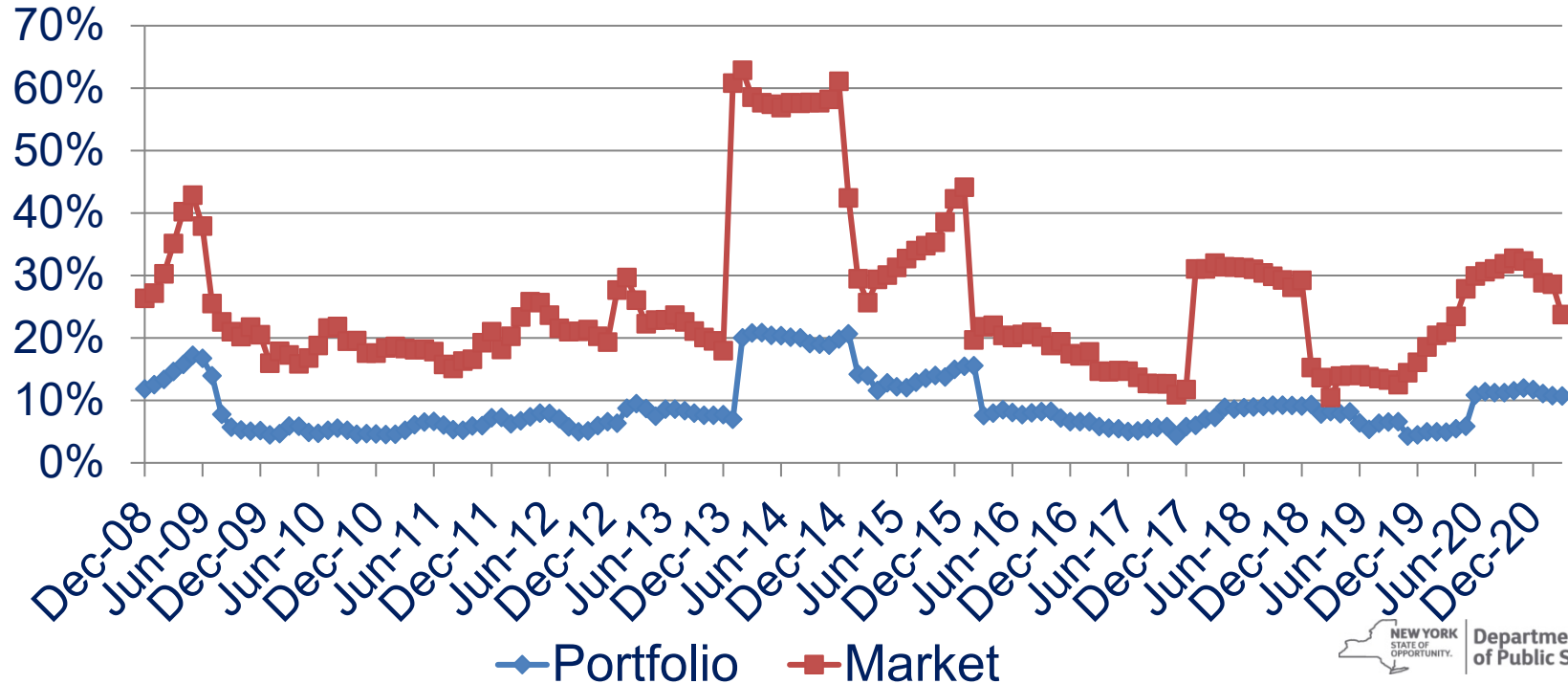
2021 Summer Preparedness New York State

Electric Portfolio, Volatility, and Supply Price Outlook

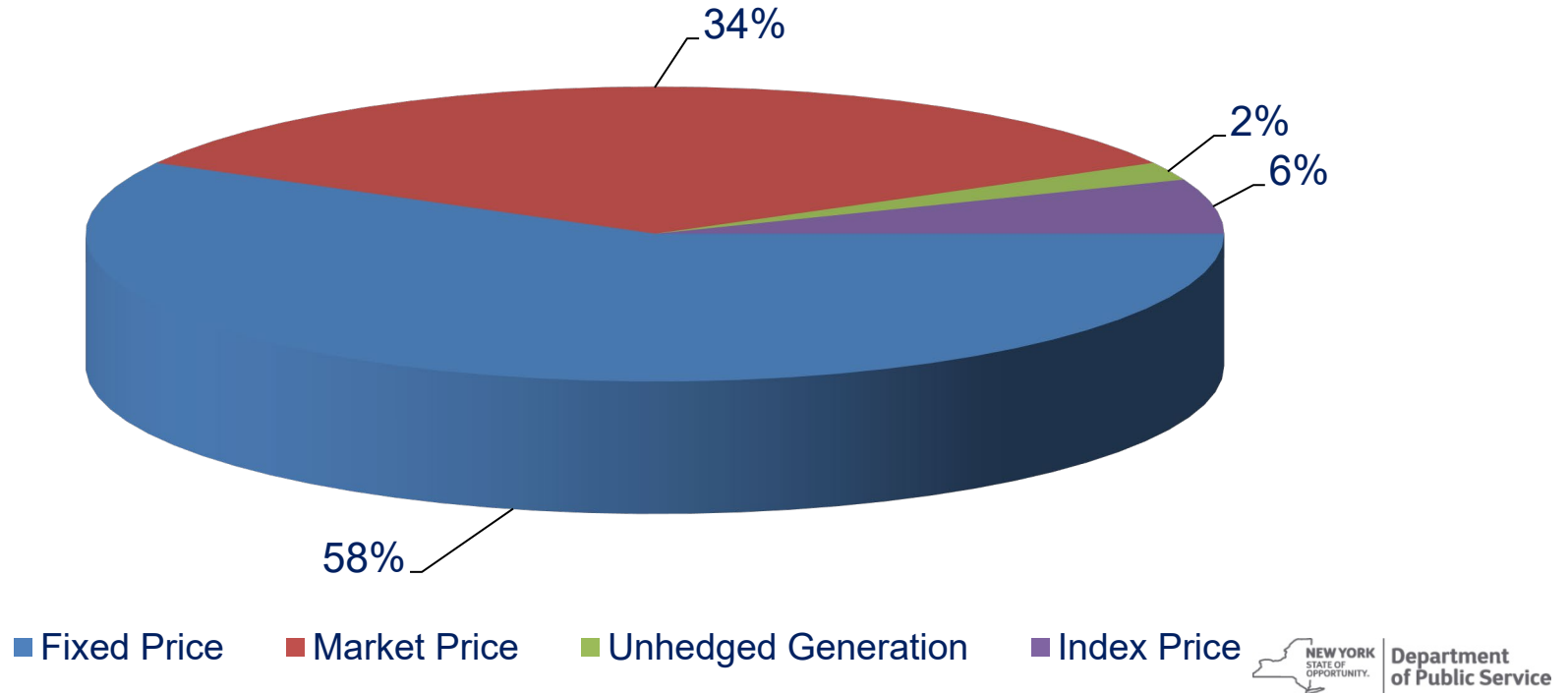
NYISO Spot Market vs. Utility Full Service Residential Customer Supply Portfolio Volatility

(Statewide 12-month rolling average)

Coefficient of Variation



New York State Electric Supply Portfolio Full Service Residential (Summer 2021)

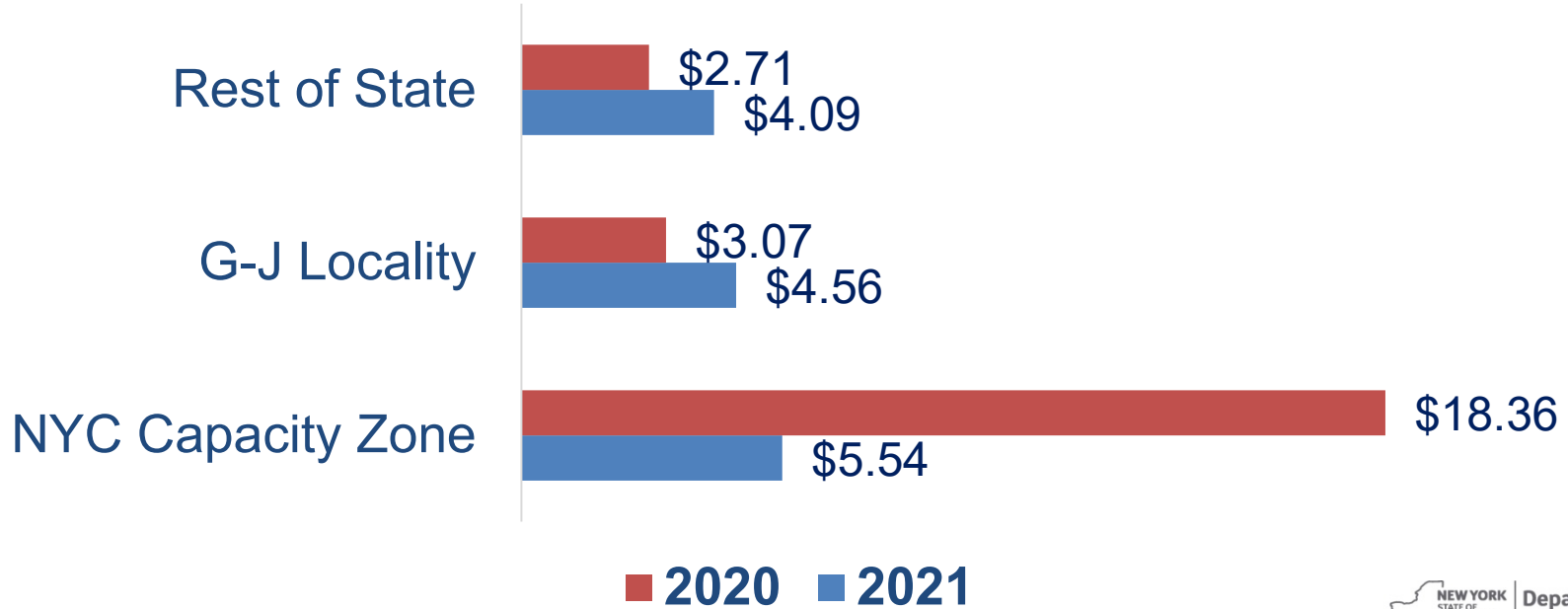


Average Energy Price Comparison Summer Season



Summer Strip Auction Capacity Prices

(\$ per kW-month)



Statewide Weighted Average Full Service Residential Supply Price - Summer Months

(Cents per kWh)

