FOR BOARD DISCUSSION:
• Rating Agency View – LIPA from an Investor’s Viewpoint and Electric Industry Trends
• Review of T&D System Reliability Last 12 Months
• Review of Customer Service Last 12 Months
• Board’s governance initiatives for 2019

FOR APPROVAL:
• Tariff changes to implement 2018 Utility 2.0 behind-the-meter Storage initiative

FOR COMMITTEE:
• CEO’s Annual Performance Review
• Update on State Policy for Successor to Net Metering
• Summer Preparation and Emergency Restoration Plan Update
**NEW YORK’S CLIMATE GOALS**

**100% X 2040**

New York’s power grid will be 100% carbon neutral by 2040

**70% X 2030**

70 percent of electricity generated in New York to come from renewable energy by 2030

**6,000 MW X 2025**

Deploy 6,000 MW of distributed solar by 2025

**9,000 MW X 2035**

New York aims to develop 9,000 MW of offshore wind by 2035

**3,000 MW X 2030**

Energy storage target of 3,000 megawatts by 2030 to store clean & renewable energy
OFFSHORE WIND IS TRANSFORMING THE LONG ISLAND ELECTRIC GRID

LIPA Clean Energy Projects To-Date

- Utility-Scale Solar
- Rooftop Solar
- South Fork Wind Farm
- Offshore Wind

Single 800MW Offshore Wind Project

- 60,000 Homes
- 47,000 Homes
- 41,000 Homes
- 366,000 Homes

Homes Powered

0 50,000 100,000 150,000 200,000 250,000 300,000 350,000 400,000

CEO Report – May 2019
PREPARING FOR A NEW ELECTRIC GRID

Current Studies

• Review of peaking fleet to balance Long Island Renewable Resources
• Draft Department of Environmental Conversation NOx (Nitrogen oxide emissions) Rule for 1,300MW of Long Island Peaking Fleet – Compliance Plan Due March 2020

Future Studies

• Offshore wind interconnection points on Long Island and New York City for 9,000 MW
• Public Policy Transmission Investments to Enable Offshore Wind integration
• New NYISO energy market pricing mechanisms for energy markets with significant penetration of high fixed costs and low variable costs (e.g. negative pricing, ramping needs, regional cost allocation, etc)
TRANSITIONING AWAY FROM AGING STEAM POWER PLANTS

- E.F. Barrett: 54% reduction in energy production
- Port Jefferson: 48% reduction in energy production
- Northport: 54% reduction in energy production
- Glenwood: 34% reduction in energy production

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<th>Plant</th>
<th>Capacity</th>
<th>1999</th>
<th>2018</th>
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<tr>
<td>E.F. Barrett</td>
<td>54%</td>
<td>24%</td>
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<tr>
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CEO Report – May 2019