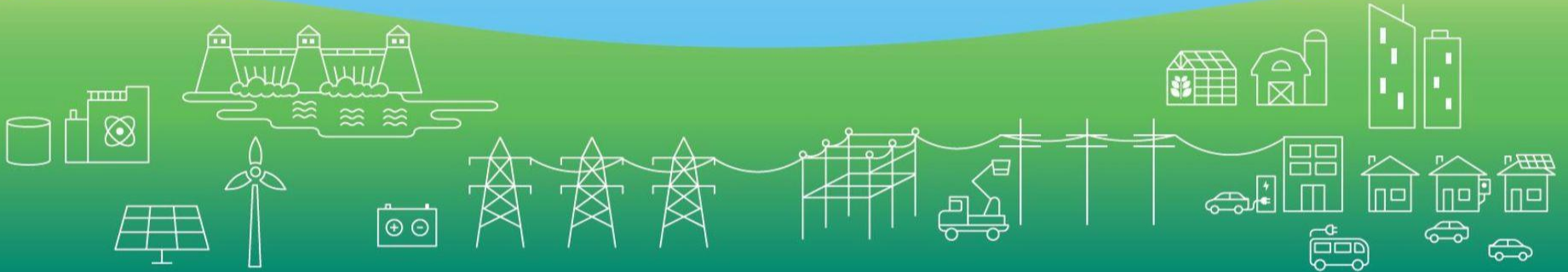

Securing Ontario's Energy Future: Opportunities and Implications

Bonnie Chan, Manager Planning Assessments, Planning, Conservation and Resource Adequacy



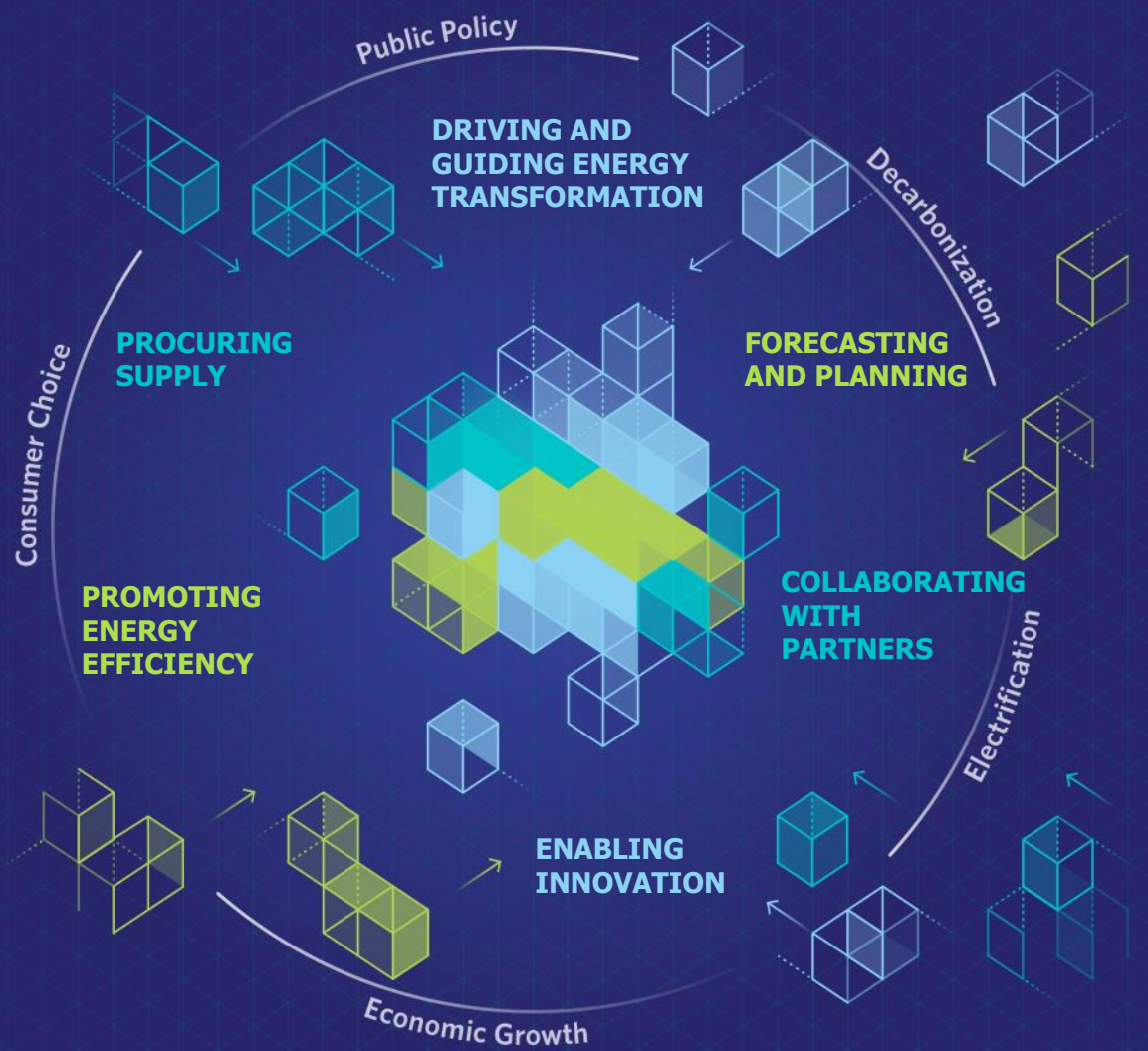
Connecting Today.
Powering Tomorrow.



We work with:



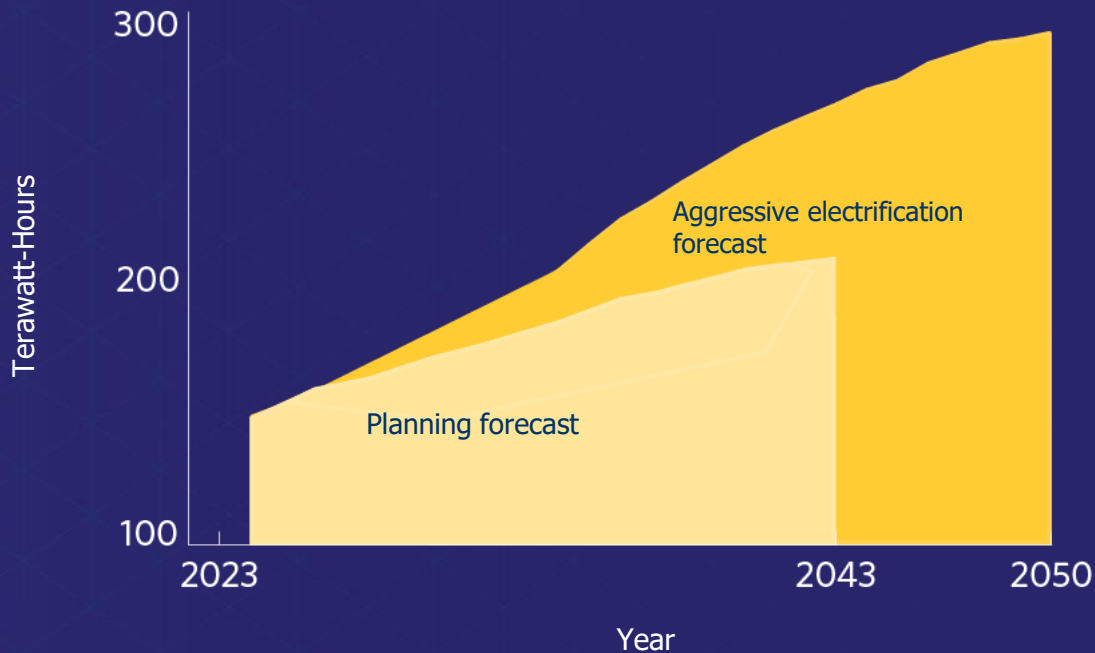
A RELIABLE, AFFORDABLE, SUSTAINABLE ELECTRICITY SYSTEM



FORECASTING ELECTRICITY DEMAND IN ONTARIO

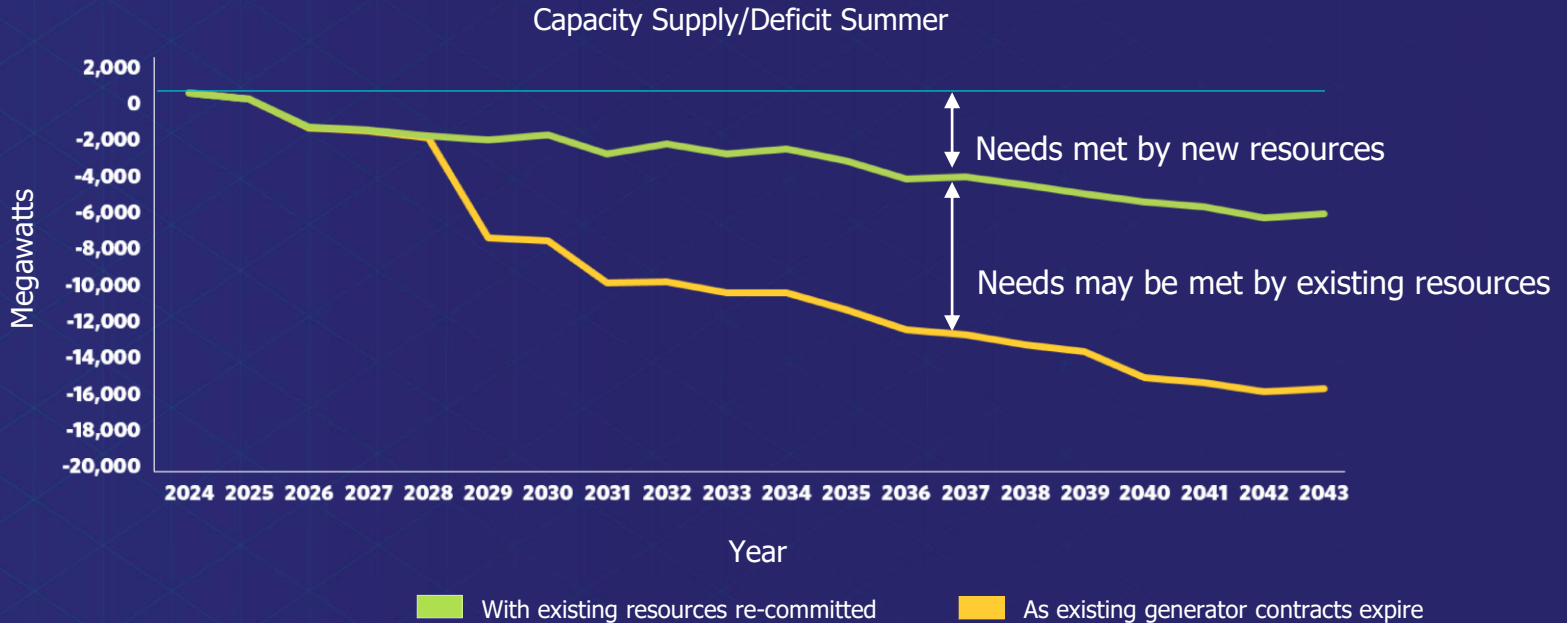
Electricity demand is expected to grow by at least 40% over the next 20 years

Forecast Annual Energy Demand



ENSURING RELIABLE SUPPLY

Securing electricity supply to meet growing needs



PATHWAYS TO DECARBONIZATION

Eliminating emissions from the system requires considerable resources, co-ordination and planning

- Accelerate current efforts to acquire new non-emitting supply, including expanded energy-efficiency programs
- Begin planning, siting and environmental assessments for new nuclear, storage, hydro and transmission facilities to allow for faster implementation
- Further work and investment to determine if low-carbon fuels, such as hydrogen or renewable natural gas, can replace some of the flexibility of natural gas
- Galvanize collaboration amongst stakeholders and Indigenous communities
- Ensure regulatory, approval and permitting processes are ready to manage future investment at scale
- Establish open, transparent and traceable process to measure progress and demonstrate results of decisions and actions taken along the way



MUNICIPALITIES HAVE A KEY ROLE





GET INVOLVED

- ✔ Regional Electricity Networks
- ✔ Monthly Engagement Days
- ✔ communityengagement@ieso.ca