

Energy Conference 19: New Energy Directions

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Innovation that enhances system reliability and affordability is becoming the lens through which we understand system needs and establish priorities

What the future holds



Enough energy over the next 20 years



Capacity need emerges in 2023, growing slowly through 2040



Needs can be met with capacity from existing and available resources

The evolution of an auction

PAST



- Successful demand response auction
- Market Renewal Program includes an ICA

PRESENT



- Need for more competition in the acquisition of capacity
- Address concerns of stakeholders

FUTURE



- Evolve capacity auction and participation in phases
- Develop suite of procurement tools

Market Renewal Program

Introducing efficiencies by optimizing how electricity is priced, scheduled and dispatched

- ✓ High-level designs completed, detailed designs begun
- ✓ Locational marginal pricing in place by 2023
- ✓ Over \$500 million in net benefits in first 10 years

Innovation in action




Energy efficiency auction

Goal: Explore options to procure capacity from energy efficiency; more competition, less prescriptive



Local electricity market

Goal: Test how local markets can be integrated into provincial electricity market, avoid new infrastructure

An aerial night photograph of a city, likely Toronto, with a teal gradient overlay. A horizontal orange bar is positioned in the upper left corner. The city lights are visible in the background, and a highway with light trails is in the foreground.

The IESO is uniquely positioned to leverage input from stakeholders that will help shape the future of the electricity system for the benefit of all Ontarians



Thank you