

# Ontario Reliability Outlook: 2009 Key Highlights/Themes

FASC Meeting - March 1, 2010



- ORO reports on progress of the inter-related generation, transmission and demand management projects underway to meet future reliability requirements
- A new vision is emerging for the provision and consumption of electricity in the province

- Resource Adequacy
- Transmission Progress and Challenges
- Operability and Integration
- Reliability in the North American Context

- Positive outlook over next five years (to 2014)
  - Good gas performance & GTA concerns addressed
- Year 2015 and beyond – challenges (following the phase out of coal-fired generation)
  - Nuclear aging
  - Coal conversions

- Progress on regional concerns
  - Reliability in GTA improving, new Quebec intertie
- Critical to the growth of renewable generation and nuclear replacement
  - 2500 MW capacity currently available
  - 20 new transmission projects on the horizon
- Timely and appropriate approval processes are needed

- Priority Areas - maximizing flexibility
  - Dispatchability of variable resources
  - Visibility of distributed generation
  - Flexibility through energy storage
  - Active consumer response (**Consumer Engagement**)
  - More meaningful price signals

- Leverage Interties - collaborate with neighbouring jurisdictions in managing variability
- **IESO Involvements & Initiatives**
  - Canadian Wind Energy Association (CanWEA) on a pan-Canadian study
  - Eastern Interconnection Planning Collaborative (EIPC)
  - NERC's Integration of Variable Generation Task Force (IVGTF)

Thank You !!!