

Smart Grid Update

Don Tench, Director - Market Assessment and Compliance
March 31, 2010



The Energy Sector is Changing

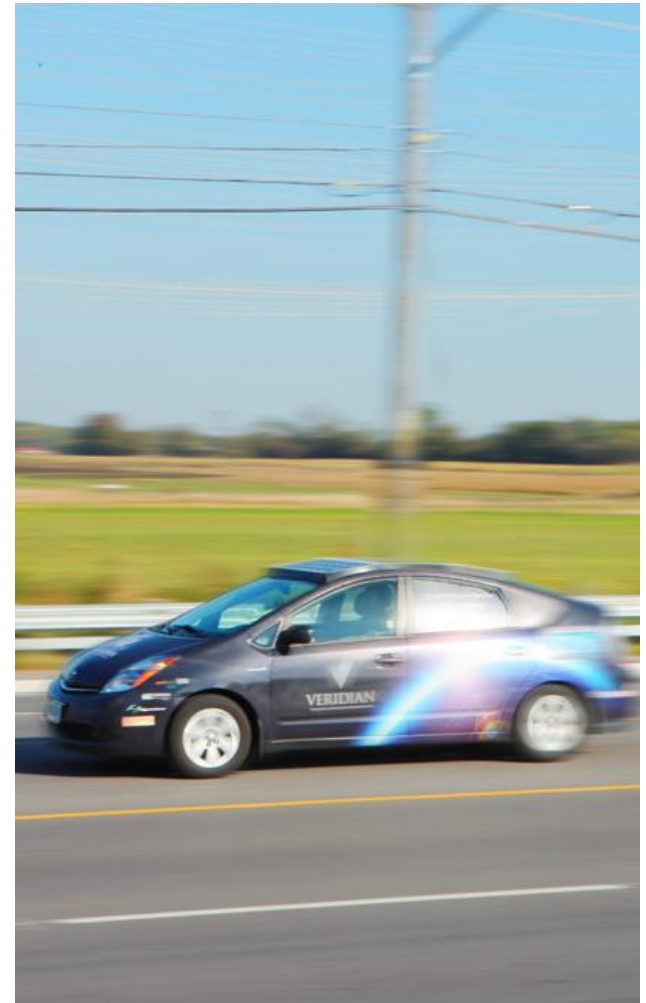


- Paul Murphy - Chair
- Michael C. Angemeer
- David Collie
- Aleck Dadson
- Norm Fraser
- Anthony Haines
- Jim Huntingdon
- Craig Martin
- David McFadden
- Jatin Nathwani
- Jon Norman
- Paul Shervill
- Wayne Smith
- Keith Major

- The primary objective of the Forum is to:

Advance the development of the Ontario Smart Grid by focusing on investment in GEGEA technologies and objectives

www.ieso.ca/imoweb/pubs/smart_grid/TOR-SGF_r1.pdf



In carrying out its activities to meet this objective the Forum will:

- Provide advice to government, regulators, agencies, and industry in general to advance the effective implementation of a smart grid in Ontario
- Maintain a collective understanding of relevant developments in other jurisdictions
- Work to influence global developments in the interests of Ontario, such as necessary standards
- Identify barriers to investment and the means to address them
- Promote and support economic development by Ontario industry organizations and corporations and the export of smart grid expertise and knowledge
- Ensure that participation on the Forum appropriately reflects the diverse aspects of the Ontario electricity demand/supply chain
- On an annual basis, report to industry on progress towards achieving the Forum's objective and provide a brief update between reports

The Forum will:

- Focus on Ontario, but recognize developments occurring elsewhere and any necessary or opportune linkages
- Focus on electricity, but recognize convergence with other forms of energy, transportation and environmental considerations
- Not be an advocacy group for any one particular technology solution or vendor product
- Foster healthy competition and innovation in the provision of smart grid technologies
- Recognize and respect the interests of organizations participating in the Forum



Customer Control
Utility Flexibility
Adaptive Infrastructure

MEI

OPA

OEB

IESO

LDC



Co-ordination

- Standards and inter-operability
- Technology choices
- Systems integration across operators

Cybersecurity

- Critical infrastructure
- Essential foundation
- Designed in from the start

Consumers

- Prices
- Education
- Choice
- Automation