

Energy Modeling Initiative National Forum

Outcomes from the Central Workshop

Energy Modeling Initiative Central Workshop Outcomes

Scope of the Proposed Initiative & the Modellers' Perspective

- **Benefits & Opportunities**
- **Data**
 - A proposed EMI platform could store and provide modellers with credible data to build and validate their models.
- **Interdisciplinary Expertise**
 - Modellers could access expertise in areas outside of their own such as consumer behaviour impacts, technology response, risk analysis, and others.
- **Collaboration & Model Interactions**
 - A national network would encourage increased collaboration and coordination. Models could also be linked, allowing for more comprehensive outputs and analysis.

Energy Modeling Initiative Central Workshop Outcomes

Scope of the Proposed Initiative & the Modellers' Perspective

- **Challenges**
- **Data Sharing & Collection**
 - Data sharing presents challenges related to intellectual property and privacy. Modellers also expressed concern over knowing how data was collected.
- **Unique Uses / Needs**
 - “Energy Modelling” encompasses many applications with varying spatial and temporal granularities. A common platform could be challenged to incorporate individual needs.
- **Rate of Change of the Sector**
 - The energy sector is transforming at a rapid rate. It was echoed throughout the day that it is difficult to model when there is a lack history for uptake and adoption.

Energy Modeling Initiative Central Workshop Outcomes

Components of a Proposed EMI

The following components / requirements were identified for inclusion in a shared network:

- Inclusion of and consultation with all relevant stakeholders.
- Ability to capture the strong regional differences between provinces.
- Framework for data storage, sharing, and protection.
- Inventory of available models.
- Promotion of an integrated system modelling approach, incorporating policy and regulatory effects, environmental impacts, and economics.
- Provision of both technological tools and interpretation support for modelling analyses.

Energy Modeling Initiative Central Workshop Outcomes

Encouraging Collaboration

- The following suggestions were made to encourage collaboration amongst modellers:
 - HQP exchange between researchers.
 - Inventory of modellers and research area expertise that EMI participants can access to support their work.
 - More frequent engagement (i.e. not just at one or two conferences).
 - Demonstrate capabilities on a select multidisciplinary project.
 - Incent collaboration – make clear value delineations for potential collaborators – what the heck is in it for me??