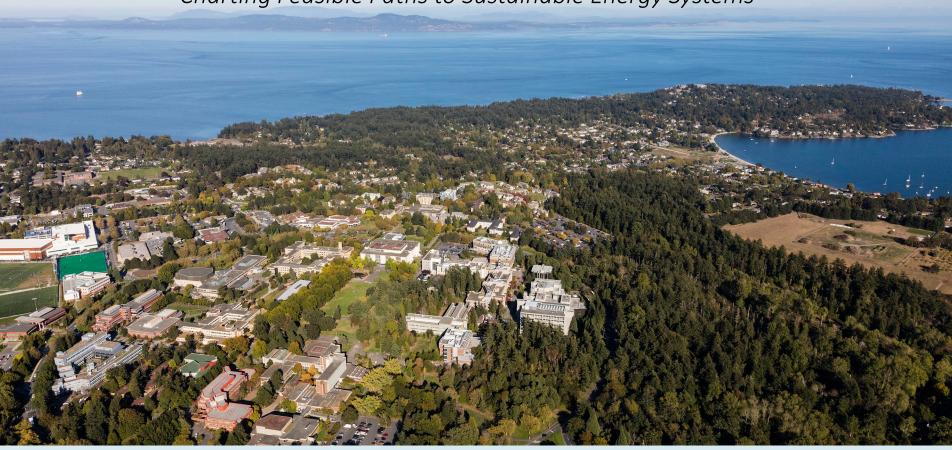
The Institute for Integrated Energy Systems

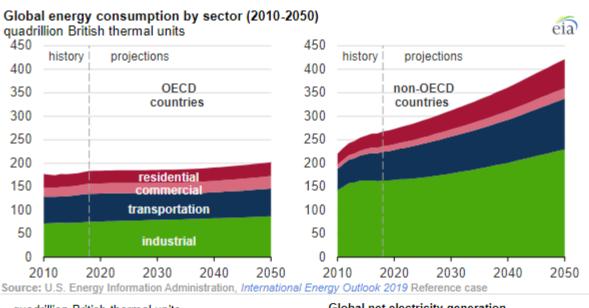


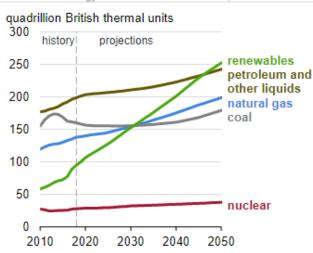
Charting Feasible Paths to Sustainable Energy Systems

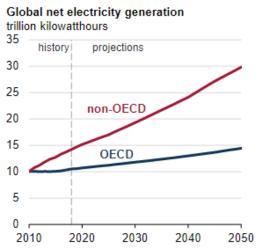


EIA Reference Case Global Energy Use









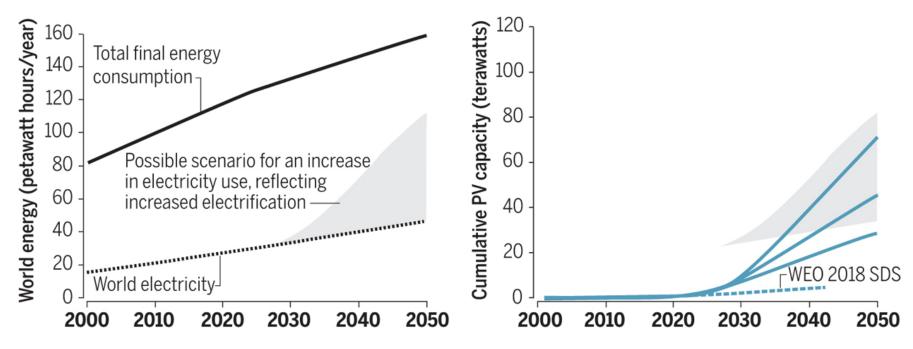


PV and Electrification



Scenarios for growth of PV

Total final consumption and world electricity, according to the 2018 World Energy Outlook (WEO) New Policies Scenario. The three solid blue curves provide possible scenarios for growth of PV cumulative capacity and electricity generation. A global average energy yield of 1370 kWh/kWp was used to correlate the axes for the left and right figures. See supplementary materials for details.

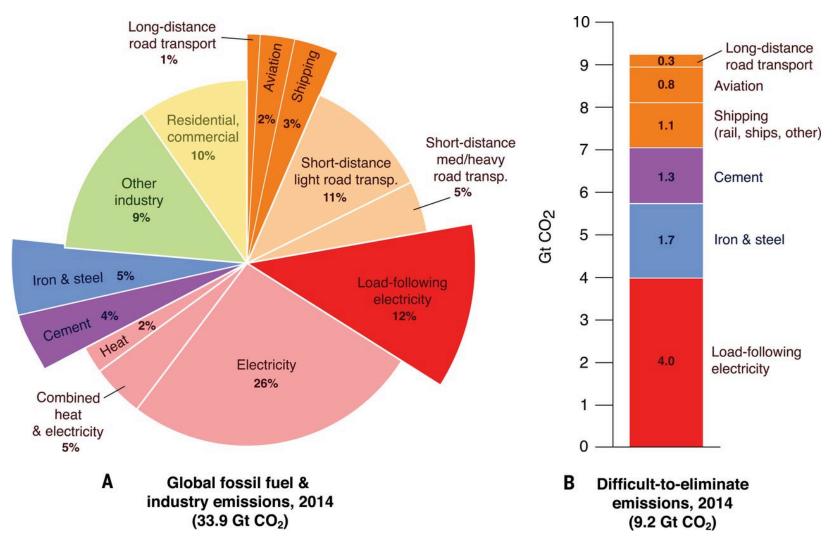


Nancy M. Haegel et al. Science 2019;364:836-838



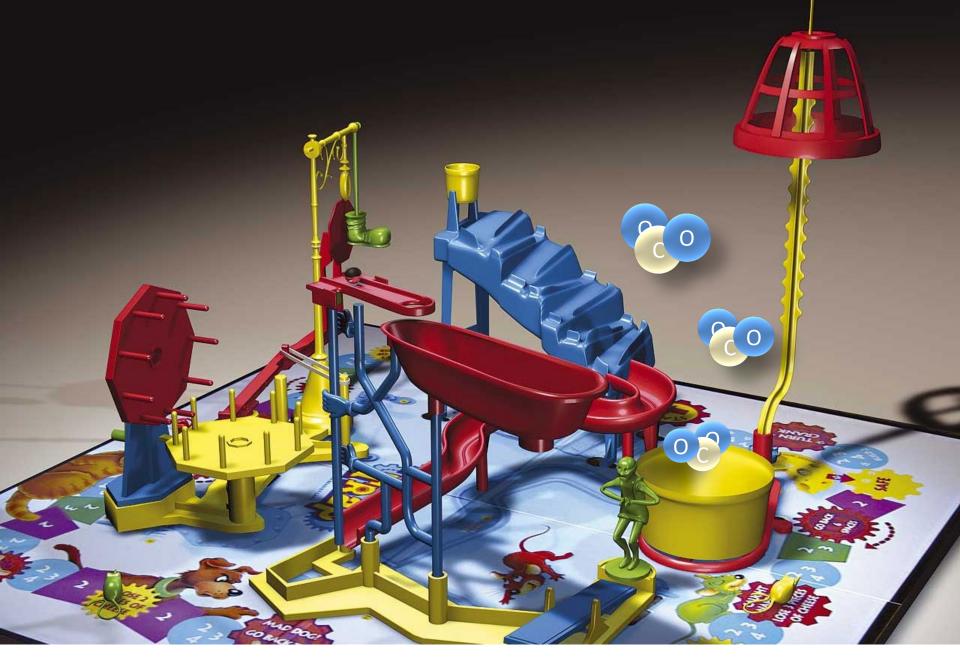
Difficult to Eliminate Emissions





Steven J. Davis et al. Science 2018;360:eaas9793







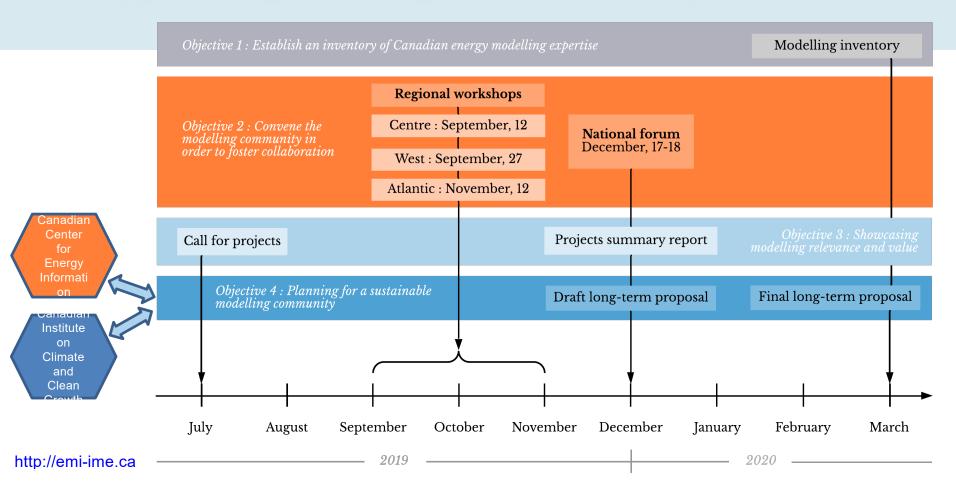
EMI Regional Workshop



Objectives

- Convene the regional modelling community
 - modellers and users
- Lay out use and demand for modelling results for policy
- Capture an overview of models and their application
- Identifying gaps in modelling approaches
- Explore how to strengthen the community through:
 - Collaborations
 - Enhanced policy relevance

Energy Modelling Initiative — Initiative de modélisation énergétique Bringing the Tools to Support Canada's Energy Transition — Outiller le Canada pour réussir la transition





Executive Team

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Staff

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David Foord, University of New Brunswick
Brad Little, Natural Resources Canada
Yi Liu, Federation of Canadian Municipalities
Lindsay Miller-Branovacki, University of Windsor
Greg Peterson, Statistics Canada
Andrew Rowe, University of Victoria
Dave Sawyer, EnviroEconomics
Kathleen Vaillancourt, ESMIA Consultants
Mark S Winfield, York University
Steven Wong, Natural Resources Canada

http://emi-ime.ca

Agenda - Morning



09:00-9:45 Opening Remarks

- The Energy Modeling Initiative, Normand Mousseau, University of Montreal
- Workshop Overview, Andrew Rowe, Director, Institute for Integrated Energy Systems (IESVic)
- Introductions Participants

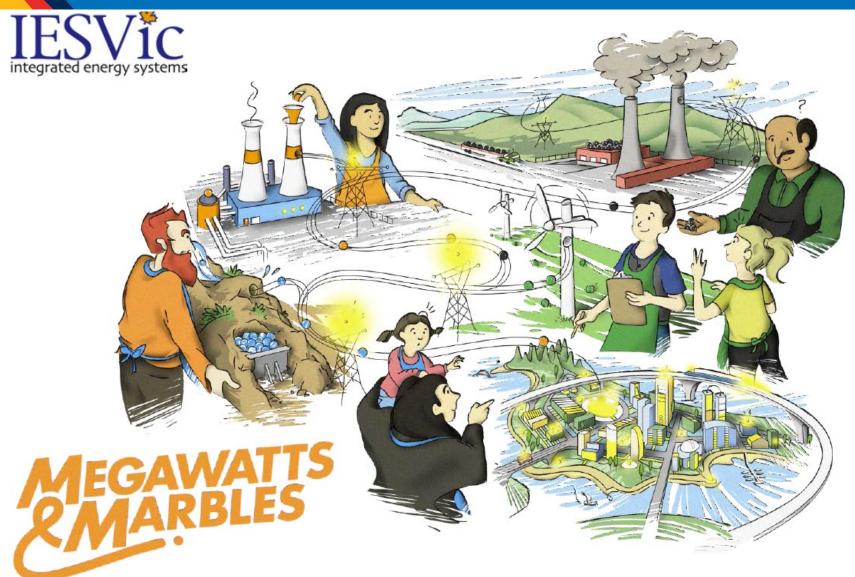
9:45-10:45 PANEL Meeting Climate Action Goals: The view from policy makers

10:45-11:00 Coffee Break

11:00-12:00 PANEL An Overview of Energy Models

12:00 LUNCH - Megawatts and Marbles Demonstration





Energy Modeling Initiative Western Workshop 27 Sept 2019

Agenda - Afternoon



13:00-13:10 Case Study: Identifying the Needs

Introduction, Normand Mousseau, Director, Trottier Energy Institute, UMontréal.

13:10-13:40 Roundtable 1

– How can modelling be applied to reach our decarbonization objectives?

13:40-14:10 Roundtable 2

– How do we increase synergies between modeling for policy making?

2:10-2:30 Coffee Break

14:30-14:40 Report Back and Discussion

Next Steps

14:50-15:20 Roundtable 3

 What resources, frameworks, tools, institutions, support, etc. would be helpful for creating an effective national modeling platform to serve policy-making?

15:20-16:00 Building the Community

– What are the next steps to further develop national modeling capacity?

16:30 RECEPTION (cash bar) - Fireside Lounge, University Club

18:00 DINNER - Dining room, University Club



EMI Western Workshop



Policy Panel

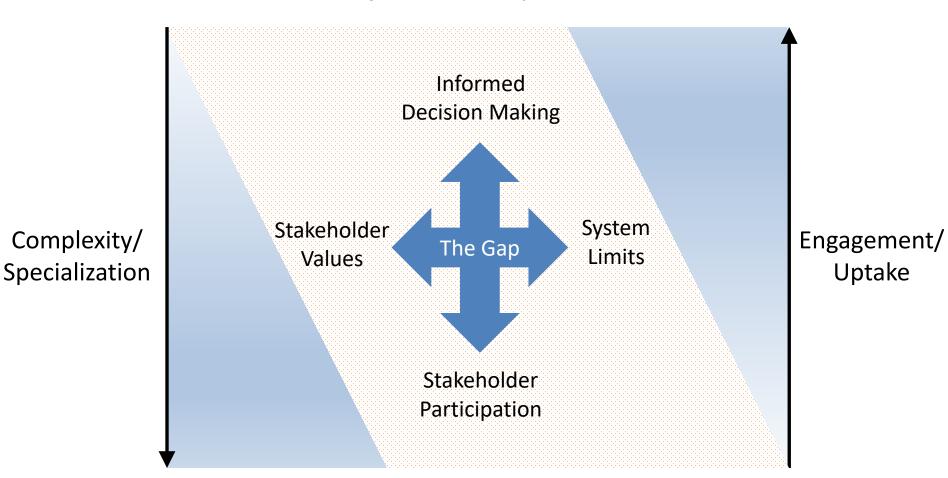
- Amy Sopinka, Director, Transmission and Interjurisdictional Branch, BC Ministry of Energy, Mines, Petroleum Resources (BC MEMPR)
- Brad Little, Renewable and Electrical Energy Division, Natural Resources Canada
- Derek Olmstead, Director, Markets, Alberta Market Surveillance Administrator
- Guy Gensey, Director, Energy and Industry Decarbonization, BC MEMPR



Bridging the Gap



A View from Policy Makers



The Institute for Integrated Energy Systems



