



Connecticut Department of Energy and Environmental Protection



Analysis, Data, and Metrics Working Group

October 14, 2015
2:30—4:30 p.m.



Connecticut Department of Energy and Environmental Protection

AGENDA

2:30

Welcome

2:40

Review and discuss proposed reference case

3:00

Review and discuss data on in-state electricity generation versus in-state electricity consumption

3:20

Demonstration of Long-range Energy Alternatives Planning (LEAP) tool

3:40

Review and discuss Exploratory Report proposed framework

4:00

Public Comments



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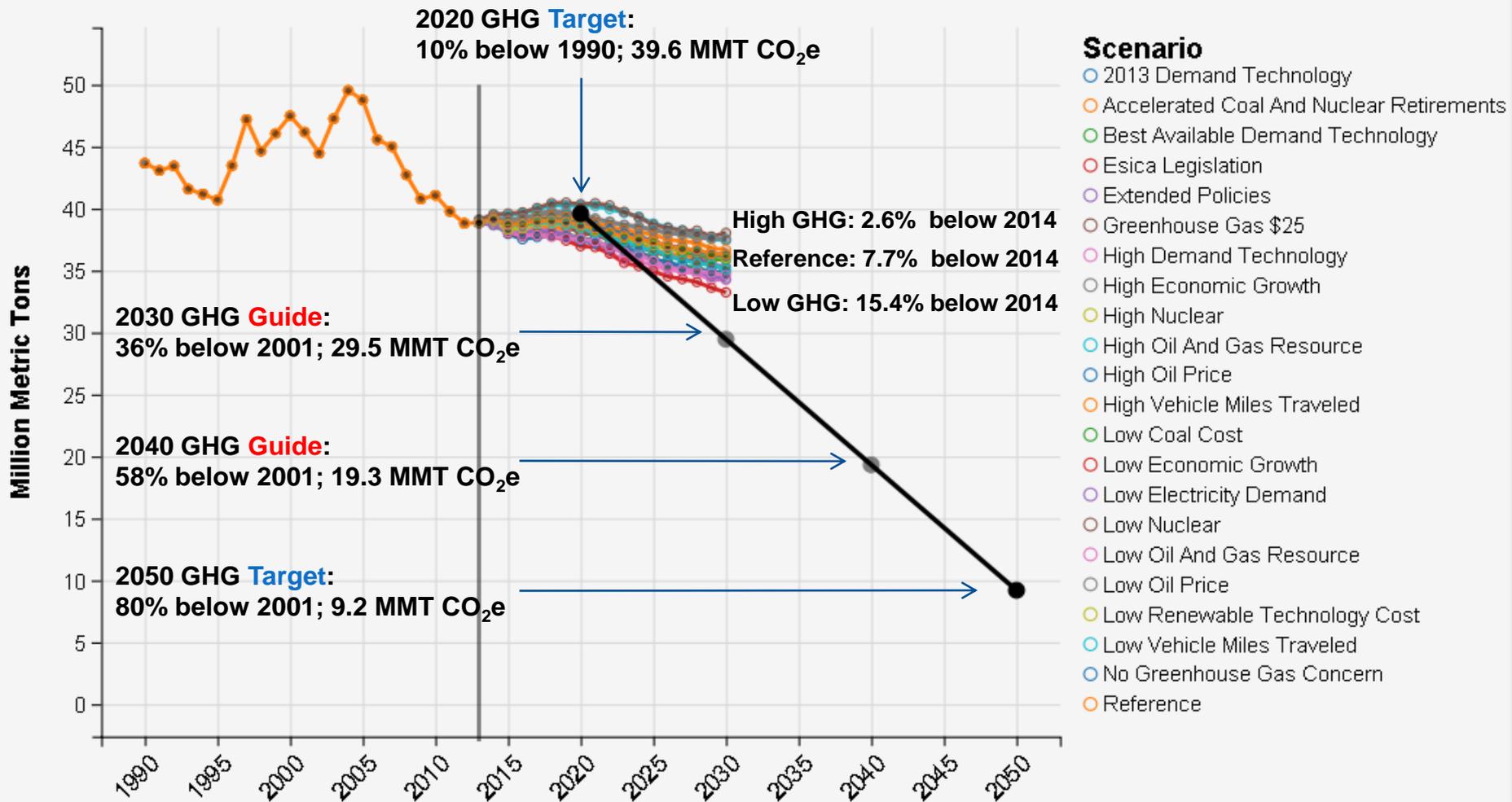
Demonstration of Long-range Energy Alternatives Planning (LEAP) tool

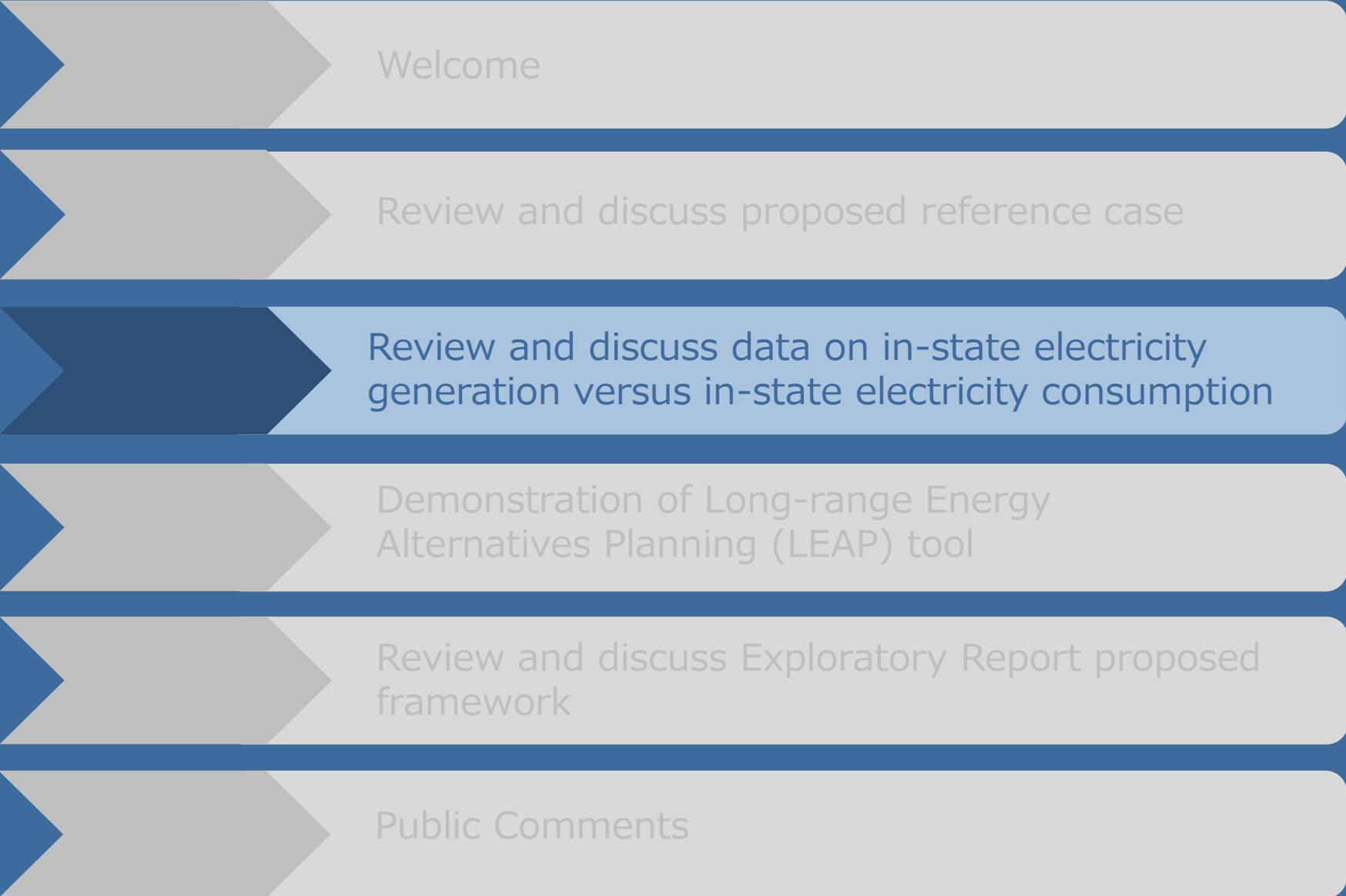
Review and discuss Exploratory Report proposed framework

Public Comments

Energy Information Administration (EIA)
2014 Annual Energy Outlook (AEO)
Reference Case
+
Bounding Scenarios

Connecticut Annual Energy Outlook reference case with bounding scenarios





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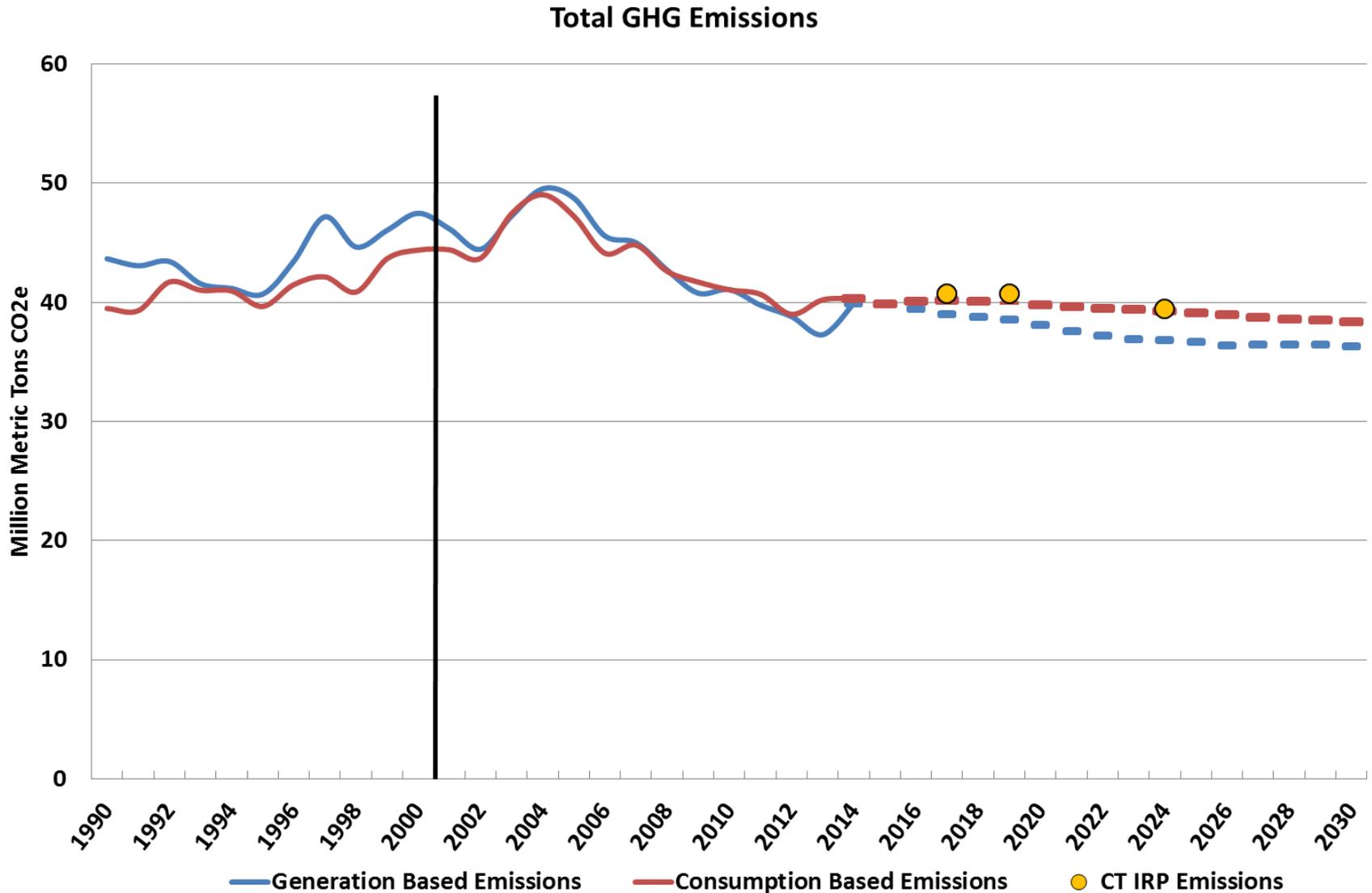
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Comparison of generation and consumption based GHG emissions



Regional accounting approach

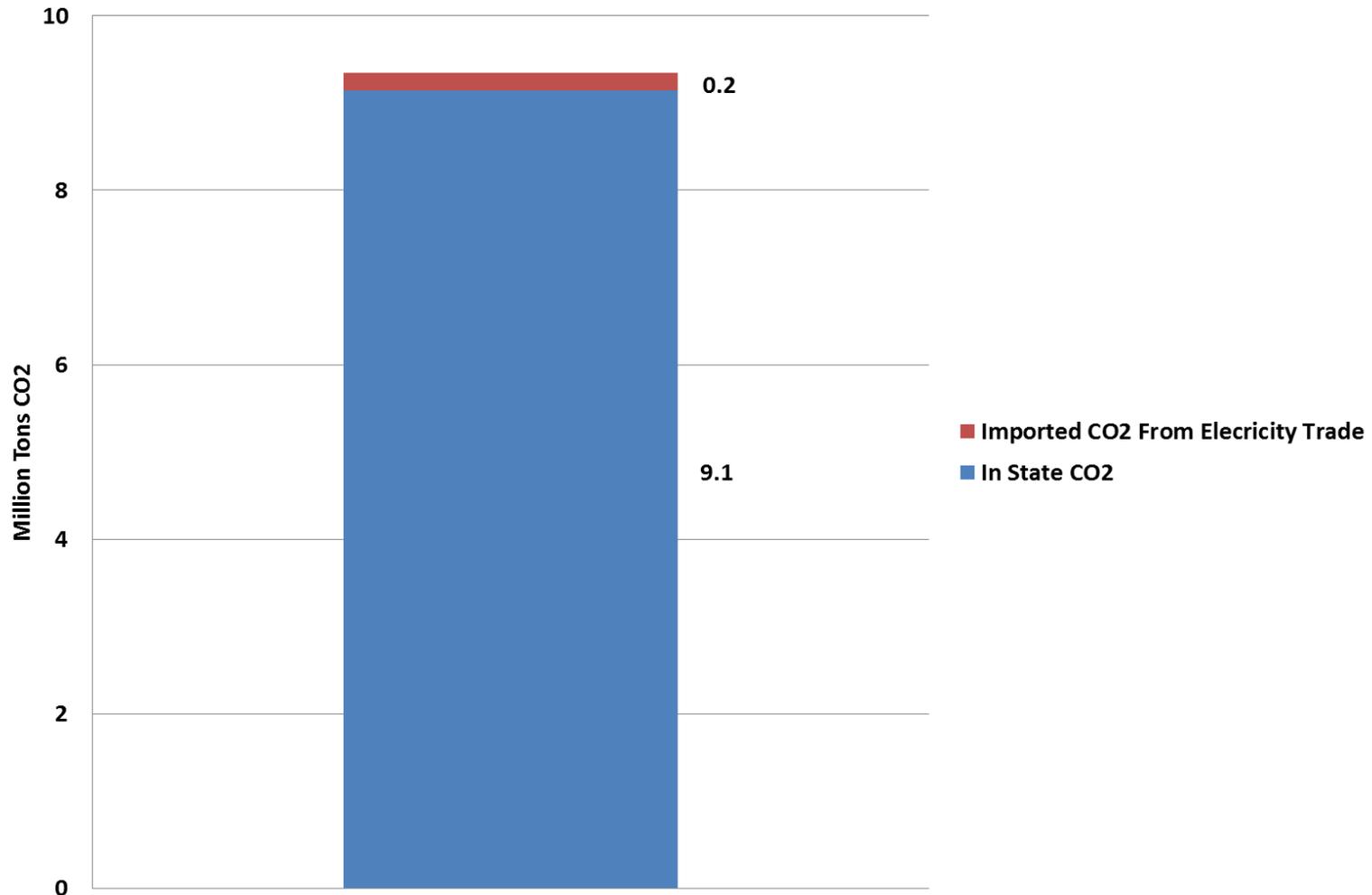
Massachusetts methodology applied to Connecticut

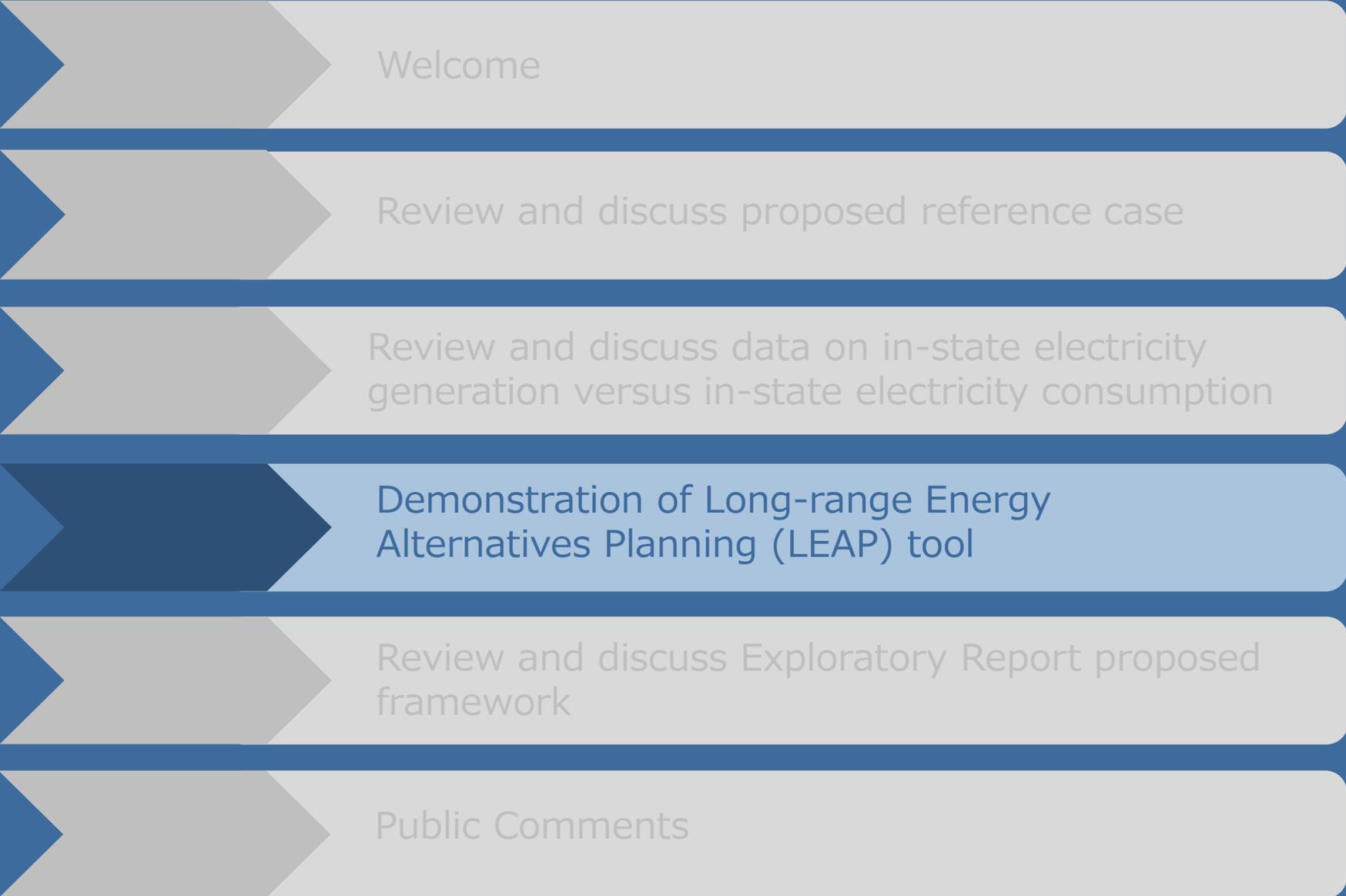
1. Calculate net electricity imports / exports for all New England states and adjacent control zones using generation and load data from ISO-NE
2. Determine the fraction of New England + adjacent control zone electricity used in Massachusetts
3. Use fraction to apportion electricity exports from all exporting regions to MA and convert to GHG emissions

Regional accounting approach applied to Connecticut for 2012

(CT is a net importer in this scenario, load exceeds generation by 3%)

2012 Power Sector Emissions by Source (Total = 9.35 MT)





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ADM Working Group Exploratory Report Framework

Activities to date

Description of working group, NESCAUM, meetings, webinars, etc.

Discussion of analysis conducted (what, why, how)

- A description of reference case (assumptions used).
- A description of modeling GHG emissions reductions for major sectors.
- A description of the Long-range Energy Alternatives Planning (LEAP) tool.

Recommendations

- Recommendations for deeper analysis in 2016 of sector specific GHG reduction measures and policies.
- Recommendation for interim GHG reduction range or target(s).
- Recommendation of additional metrics and indicators that should be monitored on an ongoing basis.
- Identification of critical areas of alignment with ongoing and emerging strategic planning efforts. Recommendation on how best the GC3 can work to collaborate, inform, and support these efforts.

2015 proposed GC3 and ADM Working Group agendas

2015

October

November

December

GC3 Meetings

November 13th

- Review Exploratory Report components
- Review LEAP modeling and visualization tool populated with Connecticut data.

December 16th

- Recommend suite of strategies to be further analyzed in 2016.
- Review Exploratory Report draft.

ADM WG Meetings

October 14th

- Finalize reference Case
- Review and discuss generation vs. consumption data
- Review and demonstrate LEAP tool
- Review and discuss Exploratory Report framework

December 3rd

- Review and discuss preliminary strategy selections
- Discuss and review interim target ranges.

Exploring Climate Solutions Webinar Series

Brought to you by the Governor's Council on Climate Change (GC3)

Guest Presenters: Linda Power Tomasso, Harvard environmental researcher
Helen D. Silver, environmental attorney

When: October 19, 2015 from 12 p.m. – 1 p.m.

Where: Your computer via webinar. **Register here.** After registering, you will receive a confirmation email containing information about joining the webinar

Connecticut has seen a loss of its beneficial carbon sinks due to land converted from forested and vegetated landscape to recent development sprawl. Insufficient accounting methods for land use change have omitted carbon sinks from GHG emissions inventories, leading policy-makers to undervalue Connecticut's forests and open spaces as agents of regional climate stabilization. In this webinar guest presenters will explain state land cover change and its relation to DEEP's climate change goals. Ten compelling recommendations for Connecticut to consider in state efforts to reduce its greenhouse gas emissions will be reviewed.



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