Clean Energy Roadmap to 2050

Briefing on the proposed
*Global Warming Solutions Implementation Act*

H.2149 / S.2302 § 67

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League of Women Voters
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On its 10th anniversary, a Roadmap to strengthen the *Global Warming Solutions Act*, our main tool for achieving our climate goals *together*.

“Global Warming Solutions Implementation Act”

- Sustained, measured ambition
- Data-based framework
- Public engagement & protections
- Process and progress checks
• In the Senate Omnibus Bill (S.2302 § 67)
  • Sen. Pacheco

• 26 active supporters in the House & on Leadership’s radar
  • Rep. Smizik, Chair - House Committee on Global Warming & Climate Change
• What’s changed since 2008?

• Why do we need a roadmap?  
  ( . . . and what is one anyway?)

• What would this bill do?
(1) What's Changed Since 2008?

• Likelihood of federal action = Zero

• Original RGGI Coalition fractured and paralyzed since 2010

• New “best-available science” examples to follow (EU and CA)

• Kain: Reductions and action are mandatory
(2) Why Do We Need a Roadmap?

2050 Roadmaps are all about implementation!

Scope . . . Scale . . . Pace . . . Jobs
(2) Why Do We Need a Roadmap?

**Political**
- To meet own laws, MA must act despite inaction by other states & fed. govt.
- Costly without building new regional consensus
- Need to maintain public support; protect vulnerable

**Technical**
- Low hanging fruit is gone → now: *transformation*
- 80x50 requires cross-sector action that is:
  - **Simultaneous** in each sector
  - **Coordinated** across sectors
  - **Sustained**: year-on-year / 32 years

- Avoid near-term dead ends; signal market investment; build clean economy jobs here
(2) Why Do We Need a Roadmap?

OK – What Are We Doing Now, and Why Do We Need This Instead?

• Aiming for 2020 vs. 2050
• 5-Yr. Updates to CECP
  (3 pages on 2050)
• Short-Term / Inside Election Cycle

*Training for a Marathon vs. 100-yd. Dash*

*Offshore Wind: 200MW or 800MW?*
(2) Why Do We Need a Roadmap?

- **Multiple pathways to 2050**
- **All-sectors & sources**
- **Year-by-year guideline**

“Can’t manage what you don’t measure!”

**GHG Inventory = Ship’s position -> Roadmap = Navigational chart**
(2) Why Do We Need a Roadmap?

Figure 23. New England, Base DDP Case, 2050
(2) Why Do We Need a Roadmap?
(2) Why Do We Need a Roadmap?
(3) What Would This Bill Do?

By end 2020:

- Best-available, cross-sector 2050 “backcast” analysis
- Set 2030 and 2040 limits based on analysis

By end of 2023:

- New comprehensive (all emissions / all sector) “2050 regulations”

Also:

- Require/authorize collection of new administrative fee on largest emitters to fund implementation FTEs
(3) What **MORE Could** This Bill Do?

- Update reporting requirements

- Address carbon pricing
  - Require
  - Expressly authorize

- **Clarify** GSWA applies to all in the MA (incl. Muni Light Plants)

- **Integrate** protections for low-/mid-income & EJ communities
(3) What **MORE** Could This Bill Do?

- Integrate protections for low-/mid-income & EJ communities

% of 2014 74.6 MMTCO$_2$e GHG Emissions by Sector

- Residential
- Commercial
- Industrial
- Electricity Consumption
- Mobile Combustion
- Natural Gas Systems
- Industrial Processes
- Agriculture & Land Use
- Waste

~ 60% of Remaining Reductions from **Households**
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| Sec. 4 – After Analysis, New Regulations (by 2023; expanded carbon pricing definition) | Sec. 4 – Progressively Impose Carbon Pricing *  
(* plus definitions in S.2302 §§ 6-10) |
| Sec. 5 – Impose Administrative Fee for Implementation | Sec. 5 – After Analysis, Issue New 2050 Plan |
| | Sec. 6 – Periodic Implement. Assessment Report |
| | Sec. 7 – After Analysis, New Regulations (by 2023) |
| | Sec. 8 – Impose Administrative Fee for Implementation |
| | Sec. 9 – GWSA applies to MLPs |
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