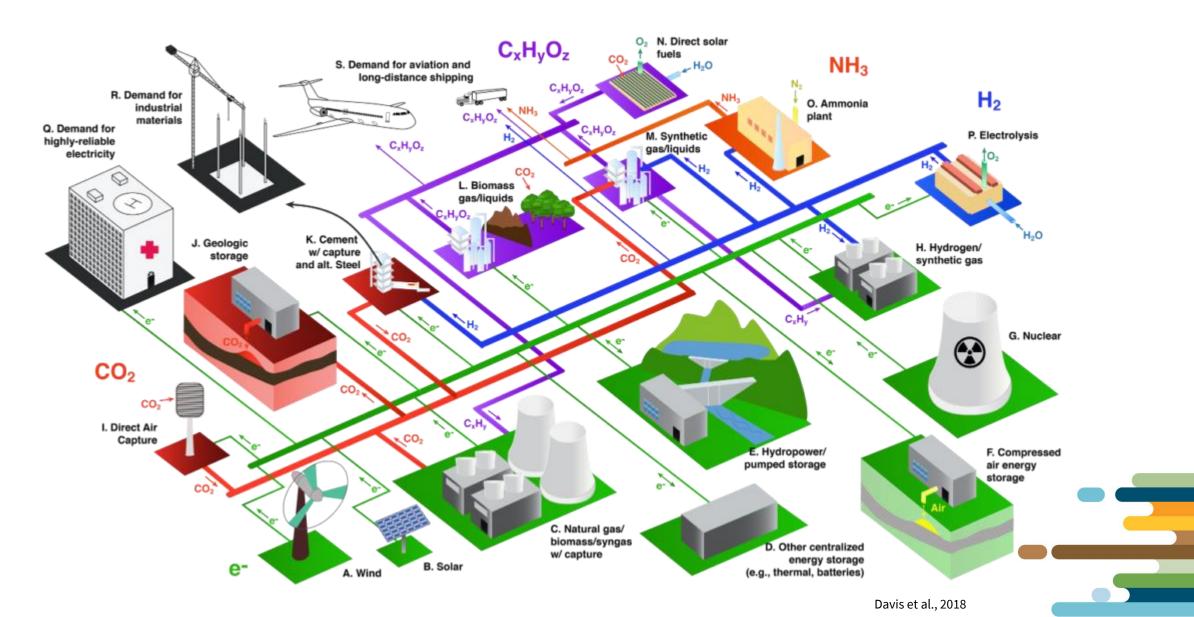


Decarbonizing Nova Scotia

Energy systems are complex...

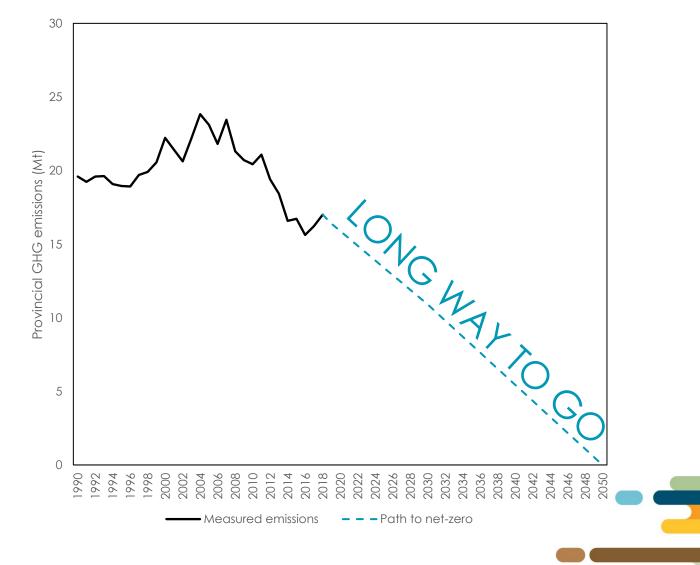






Energy systems are complex; so is the transition to netzero.

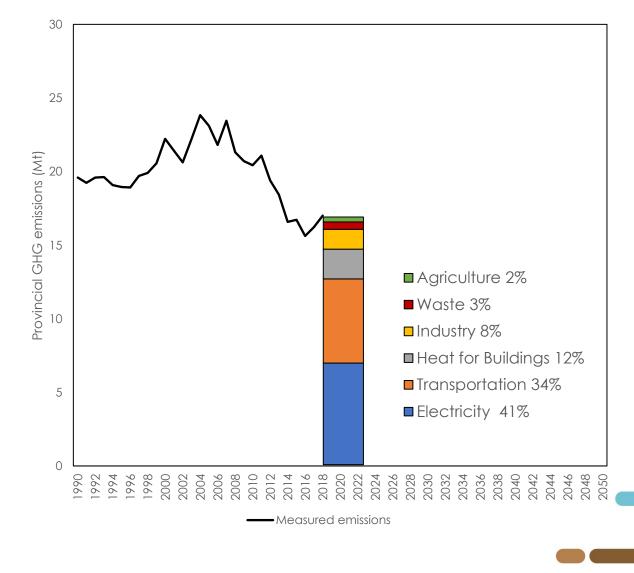
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 17Mt
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- Similarly ambitious goals for NB, NL,
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GHG mitigation strategies depend on the sector







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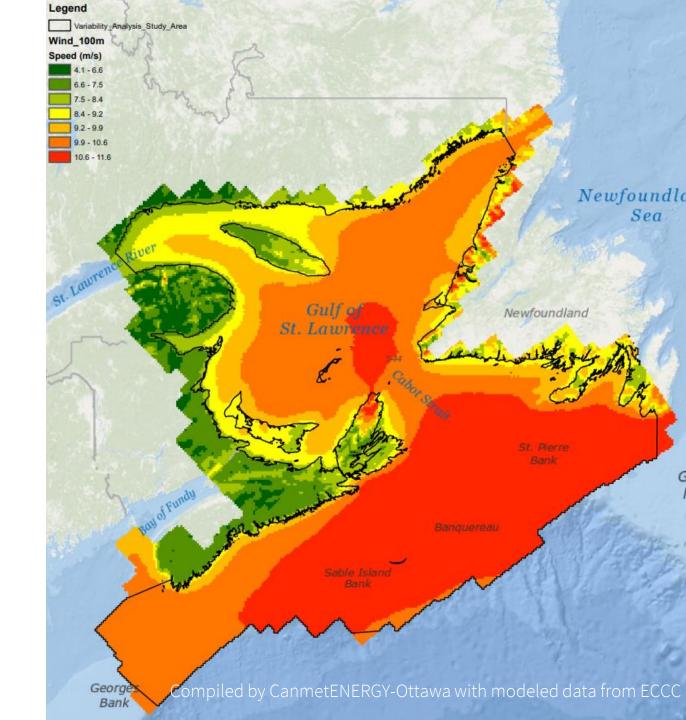






Topic Overview – OSW

- Atlantic Canada has an outstanding OSW resource base
- Opportunities to use OSW for
 - 1. Decarbonization of electricity grid
 - 2. Export of electricity
 - 3. PtX
- Favourable geology for significant fixed-bottom turbine developments
- Offshore supply chain with O&G experience
- Regulatory framework in development
- Capacity building in First Nation communities has started



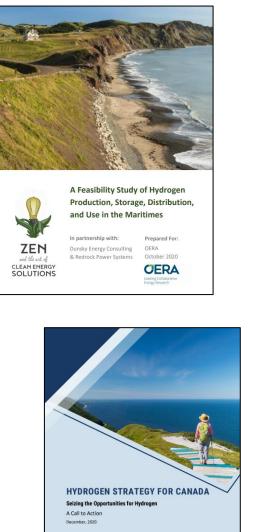
net-zero atlantic

Topic Overview – Hydrogen

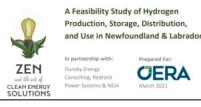
- Electrification won't solve all GHG problems.
- Hydrogen will play an important role in deep decarbonization scenarios.
- Global demand for low-carbon hydrogen creates export opportunity.

How the discussion started in Atlantic Canada:

- ✓ Feasibility Study for the Maritimes (November '20) + NL (March '21)
- ✓ Atlantic Hydrogen Alliance NZA is Secretariat
 - Strategy; standards and codes; hydrogen hubs; education
 - 78 member organizations









Thank You

