

# NEW ENGLAND'S DOWN PAYMENT ON THE FUTURE

FIVE STEPS in FIVE YEARS to  
Confront the Climate Threat  
[www.newenglandclimatesolutions.org](http://www.newenglandclimatesolutions.org)



CONSERVATION LAW FOUNDATION'S CLIMATE CHANGE VISION FOR NEW ENGLAND



## CLF's Climate Call to Action: 5 Steps in 5 Years to Address New England's Climate Crisis

### Implications for the Regional Electricity System

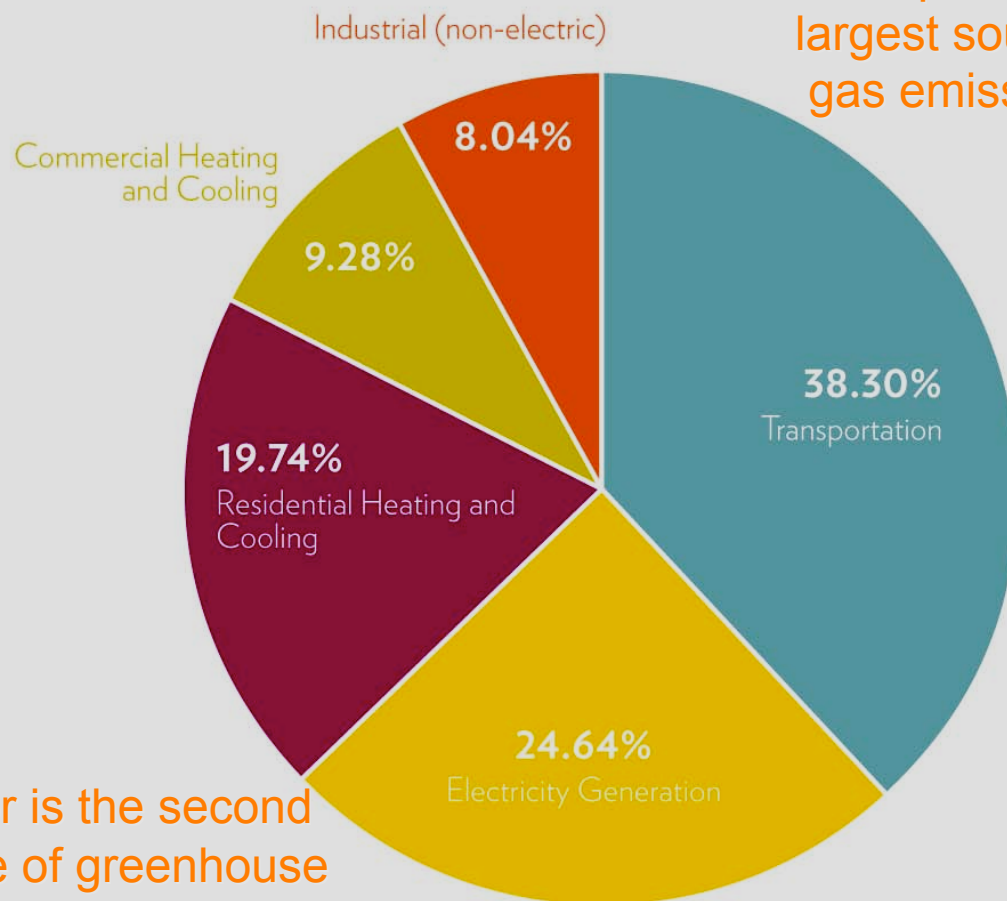
Philip Warburg, President, Conservation Law  
Foundation

Presentation at ISO-NE "Lights, Power, Action"

September 18, 2008

# Sources of GHG Emissions in New England

Sources of Greenhouse Gas Emissions in New England



Transportation Sector is the largest source of greenhouse gas emissions in New England

Electric Sector is the second largest source of greenhouse gas emissions in New England



# A Climate Call to Action – 5 Steps in 5 Years

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1. Invest 75% of transportation \$\$ in transit.
2. Invest \$1b in energy efficiency.
3. Build 2,000MW of new wind.
4. Shut down/convert 2 coal power plants.
5. Pass laws mandating emissions cuts & integrating GHG into infrastructure permitting.



## Step 2 – invest \$1b a year in demand-side management.

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- Cleanest & cheapest megawatt is the one not used.
- Important to use many tools – utility delivery, public programs, merchant efforts.
- Multiple sources of revenue:
  - Emerging carbon auctions
  - Public Benefit Funds
  - Private Investment
  - ISO-NE administered markets (e.g. Forward Capacity Market).



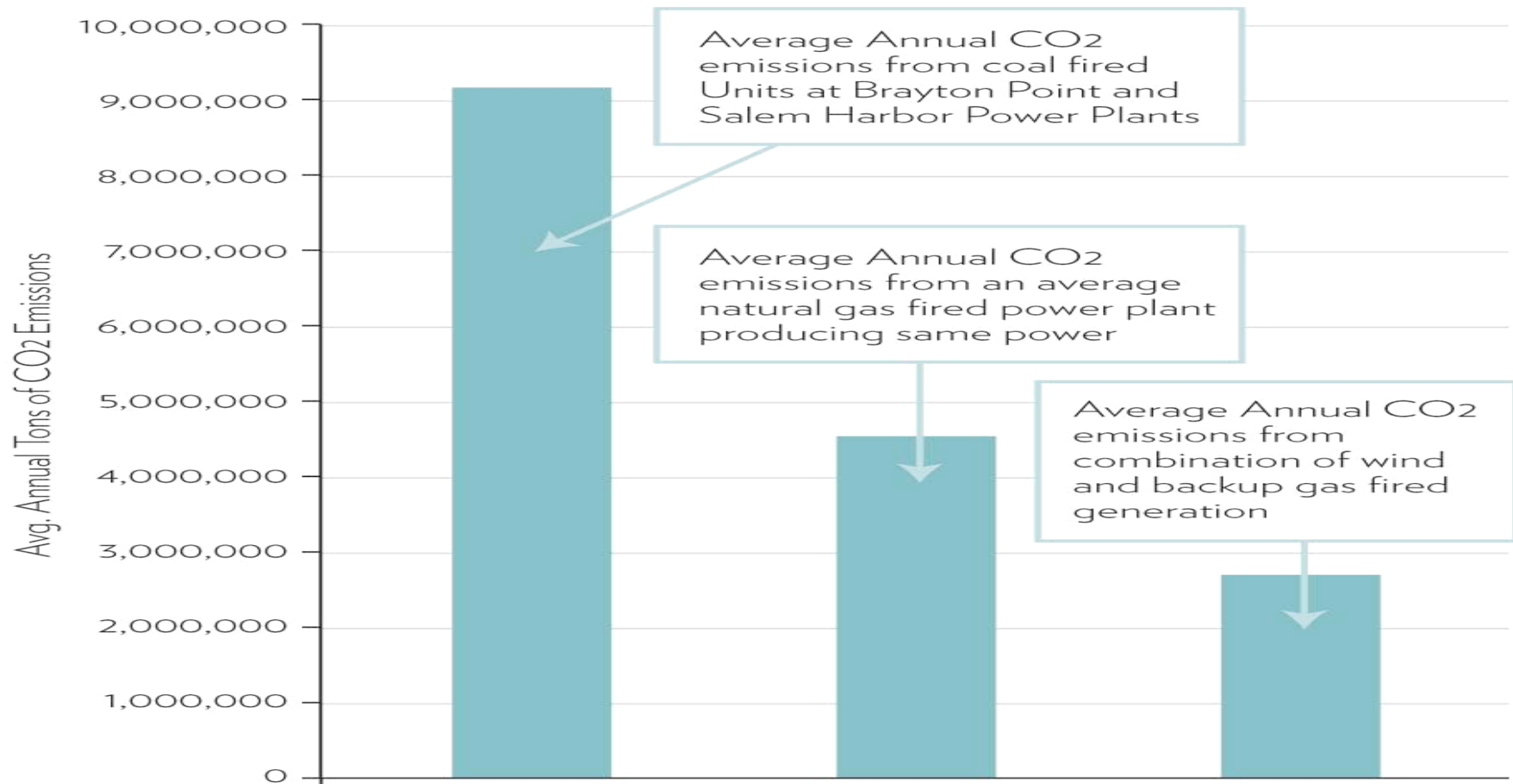
## Step 3 – Build 2,000MW of New Wind Power.

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- Cleanest, most abundant & most currently economic renewable energy source.
- Build on land & at sea.
- Sets region on a path to meet 2020 goal of 10,000 MW & beyond.

# Step 4 – Shut Down Two Coal-Fueled Power plants

Emissions from coal units at two large power plants and replacement scenarios





# For more information...

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- See full report at:  
[www.newenglandclimatesolutions.org](http://www.newenglandclimatesolutions.org)
- Contact Seth Kaplan, VP – Climate Advocacy,  
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