Net Zero Emissions Goals:
The Business Case for New Hampshire’s Future

December 12th, 2019
Today’s Speakers

Alli Gold Roberts
Director, State Policy
Ceres

Jim Monahan
Managing Partner
The Dupont Group

Zac Conaway
Environmental Services Operations Manager
Dartmouth Hitchcock Health

Shaye Hardner
Sustainability Group
Worthen Industries
Today’s Agenda

• Welcome and Introductions
• Introduction to the Net Zero Coalition
  ▪ Alli Gold Roberts
• Legislative Process
  ▪ Jim Monahan
• Public Health Impacts on Businesses
  ▪ Zac Conaway
• The Business Case for Climate Targets
  ▪ Shaye Hardner
• Next Steps
• Questions
Net Zero Coalition

The Nature Conservancy
New Hampshire Public Health Alliance
Conservation Law Foundation
New Hampshire Medical Society
League of Conservation Voters
Clean Energy New Hampshire
Ceres
Outreach

• The coalition has established subcommittees to coordinate outreach to:
  o Public Health Community
  o Business Community
  o Municipalities
  o Legislators
  o Environmental Groups
Net Zero Legislation: Overview

An Act establishing a committee to develop science-based emissions reduction goals of the state of New Hampshire

Content
- Study Committee
- Duties
- Outreach
- Make up of Committee
- Report

Process
- Bill Number
- Filed as Confidential
- Co-Sponsors
- Committee
- Agency Outreach
- Public Hearings
# New Hampshire Net Zero Study

## Legislative Timeline

<table>
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<tr>
<th>Event</th>
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<tr>
<td>Development of Legislation</td>
<td>November &amp; December 2019</td>
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<tr>
<td>Senate Public Hearing</td>
<td>January 2020</td>
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<td>Senate Floor Vote</td>
<td>February 2020</td>
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**Legislative Cross Over**

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<tr>
<th>Event</th>
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<tr>
<td>House Hearing</td>
<td>March 2020</td>
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<td>House Sub-Committee work</td>
<td>March 2020</td>
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<td>House Floor Vote</td>
<td>April 2020</td>
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<td>Executive Action</td>
<td>May 2020</td>
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Advocating for a Energy & Emissions Study Committee

Zac Conaway
Environmental Services Operation Manager
Chair of the DH Environmental Sustainability Council
Hospitals consume over 10% of the nation’s energy

Hospitals Also contribute to 8% of Greenhouse Gas Emissions

Hospitals Generate Emissions from
• Onsite Power and Heat Generation (Scope 1)
• Power Purchased from the Grid (Scope 2)
• Anesthetic Gases
• Transportation, related to Supply Chain Management/ Product Delivery
Impact of Climate Change on Human Health

- Injuries, fatalities, mental health impacts
- Asthma, cardiovascular disease
- Heat-related illness and death, cardiovascular failure
- Malaria, dengue, encephalitis, hantavirus, Rift Valley fever, Lyme disease, chikungunya, West Nile virus
- Forced migration, civil conflict, mental health impacts
- Respiratory allergies, asthma
- Extreme Heat
- Changes in Vector Ecology
- Extreme Heat
- Increasing Allergens
- Rising Temperatures
- Severe Weather
- More Extreme Weather
- Sea Level Rise
- CO2
- Water and Food Supply Impacts
- Cholera, cryptosporidiosis, campylobacter, leptospirosis, harmful algal blooms
- Malnutrition, diarrheal disease
- Water Quality Impacts
- Malaria, dengue, encephalitis, hantavirus, Rift Valley fever, Lyme disease, chikungunya, West Nile virus
Insect-carried diseases spreading into the US as the southern US gets warmer:
- Malaria, dengue fever, yellow fever
- Lyme
- West Nile
- St Louis Encephalitis

Asthma and allergies are increasing with longer growing seasons and increased growth of fungi and molds.

Extreme weather events are producing more illness and injuries. This includes diseases that live in water or food:
- Salmonella
- E. Coli
- Campylobacter
- Vibrio
- Giardia
The Benefits of a Study Committee

• A Comprehensive Study of what is currently happening in NH.
• Discuss the Data and Metrics of our Current State.
• Deeper Understanding of the Current State of Clean Energy.
• Understanding of what has work or not worked in other States in our Region.
• Look at Regional Initiative that are working on Climate related emissions.

• Identify Common Sense Opportunities of Efficiency Improvement Policies.
• Identify Opportunities to advance clean energy policies.
• Evaluate where the best opportunities are for policies that support improving Emissions in the state.
150 Years of Innovation
Capabilities

**UNPARALLELED CAPABILITIES TO MEET CUSTOMERS’ UNIQUE NEEDS**

<table>
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<tr>
<th>Web Converting</th>
<th>Extrusion</th>
<th>Web Coating &amp; Laminating</th>
<th>Chemical Compounding</th>
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We are a service-driven company that adds value through our Research & Development capabilities to provide custom solutions.
Quality Solutions for Industry

UPACO & NYLCO DIVISIONS

Excellence in manufacturing since 1866

An ISO 9001 and ISO 14001 Registered Company
Manufacturing Facilities

ISO 9001 & ISO 14001
REGISTERED

Nashua, NH

Grand Rapids, MI

Clinton, MA

Richmond, VA
SUSTAINABILITY
Building Toward the Future

The way to make the environment a business issue is to treat it like a business issue.

Randy Price, former VP of Consolidated Edison
Systems and Partnerships

The Worthen Sustainability Approach

WE CARE

**WASTE:**
We focus on minimizing our waste and diverting what remains from landfills.

**ENERGY:**
We implement renewable and energy efficient projects.

**COMPLY:**
We operate in compliance with all legal and regulatory requirements.

**ACHIEVE:**
We strive to achieve our environmental sustainability and safety goals through focus and continual improvement.

**RESPONSIBLE:**
We take personal responsibility for our efforts and actions.

**EDUCATE:**
We aim to educate our employees and other stakeholders to respect the environment and serve as stewards.
SUSTAINABILITY
Building Toward the Future
NEXT STEPS

• Ongoing Meetings with lawmakers by NGOs
• Business Sign-On Letter: January
• Potential Lawmaker Education & Advocacy Day: February
• NH Energy Week: March 23rd- 27th
Questions
For more information contact:

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