NUCLEAR MATTERS CAMPAIGN OVERVIEW

August 2014
What is Nuclear Matters?

Nuclear Matters is a bipartisan campaign to engage and inform policymakers and the public about the need to preserve existing nuclear energy plants due to their critical role in America’s energy mix.
Our Co-Chairs

Sen. Judd Gregg (R-NH)
- U.S. Senator (NH) from 1993 – 2011
- Chairman of Sen. Budget Committee
- Governor of New Hampshire from 1989 – 1993
- U.S. Representative from 1981 – 1983

Sen. Evan Bayh (D-IN)
- U.S. Senator (IN) from 1999 – 2011
- Governor of Indiana from 1989 – 1997
- Secretary of State in Indiana from 1986 – 1989
Our Leadership Council

**Spencer Abraham**  
- Secretary of Energy 2001 – 2005  
- U.S. Senator (MI) from 1995 – 2001  
- NRC Co-Chairman 1991 – 1993

**Vicky Bailey**  
- Assistant Secretary of Policy and International Affairs, Department of Energy 2001 – 2004  
- FERC Commissioner 1993 – 2000

**Carol Browner**  
- Director of White House Office of Energy and Climate Change Policy  
- EPA Administrator 1993 – 2001

**Bill Daley**  
- White House Chief of Staff 2011 – 2012  
- Secretary of Commerce 1997 – 2000

**Blanche Lincoln**  
- U.S. Senator (AR) from 1999 – 2011  
- U.S. Representative (AR-1) from 1993 – 1997

**David Wright**  
- President of NARUC 2011 – Present  
- Chairman of the South Carolina Public Service Commission 2004 – 2011
Why Nuclear Matters

- America’s existing nuclear energy plants are the backbone of our nation’s energy portfolio and provide tremendous benefits.
  - Reliable
  - Carbon Free
  - Economic Engines

- Despite these significant benefits, existing merchant nuclear plants face a “perfect storm” of economic challenges that threaten their continued operation.

- Our energy policies must ensure that existing nuclear energy plants are preserved though different solutions may be appropriate for different parts of the country.
# Clear Benefits – Reliable

## Capacity Factor

Percentage of Actual Power Generated vs. Theoretical Maximum Possible in 2013

<table>
<thead>
<tr>
<th>Source</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nuclear</td>
<td>91%</td>
</tr>
<tr>
<td>Geothermal</td>
<td>67%</td>
</tr>
<tr>
<td>Biomass</td>
<td>67%</td>
</tr>
<tr>
<td>Coal</td>
<td>58%</td>
</tr>
<tr>
<td>Natural gas</td>
<td>50%</td>
</tr>
<tr>
<td>Hydro</td>
<td>41%</td>
</tr>
<tr>
<td>Wind</td>
<td>32%</td>
</tr>
<tr>
<td>Solar</td>
<td>24%</td>
</tr>
</tbody>
</table>

Nuclear power is the most efficient and reliable source of large-scale, around-the-clock electricity.

Clear Benefits – Carbon-Free

Nuclear energy’s “life-cycle” carbon emissions are among the lowest of all electricity sources.

NUMBERS ARE TONS OF CO₂ EQUIVALENT PER GIGAWATT-HOUR OF ELECTRICITY
LIFE-CYCLE EMISSIONS ACCOUNT FOR CARBON FROM CONSTRUCTION AND FUEL USED TO GENERATE ELECTRICITY TO WASTE MANAGEMENT
Clear Benefits – Economic Engines

**IMPACT OF EACH NUCLEAR ENERGY PLANT**

- **$40 MILLION**
  - annual payroll

- **$470 MILLION**
  - in revenue from buying local goods and services

- **$16 MILLION**
  - in local and state taxes that benefit schools, roads, parks and other infrastructure

700 WORKERS

1 figure = 25 jobs
Economic Challenges to Nuclear Energy

- Rising nuclear costs
- Increase in natural gas supply
- Aging transmission system constraints
- Lack of carbon policy
- Flat electricity demand
Taking Action – National Campaign

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Digital Advocacy & Comms.

Media Relations

Paid Advertising

Events/Spokespeople Positioning

Localized Engagement

Coalition Building

Voter ID & Mobilization
National Advertising
Taking Action – State Campaign

Media Relations
Paid Advertising
Coalition Building
Voter Identification & Mobilization
Event & Spokespeople Positioning
Localized Engagement
Digital Advocacy
Events

- 6/5: National Conference of State Legislators
- 6/6: First Friday Caucus
- 6/24: LaSalle County Generating Station
- 6/25: Democratic Governors Association
- 7/14: National Association of Regulatory Utility Commissioners
- 7/18: Republican Legislative Campaign Committee National Conference
- 7/28: U.S. Women in Nuclear National Conference
- 7/31: American Legislative Exchange Council Annual Meeting
- 7/31: Environmental Council of States STEP 2014 Conference
Possible Solutions

Nuclear Matters doesn’t prescribe any particular solution, but rather encourages policymakers and stakeholders to take steps that will enable the continued operation of U.S. nuclear energy plants.

Different solutions may be called for in different parts of the country, such as:

- New legislative, regulatory and/or competitive market policies that recognize the zero-carbon-emissions value of existing nuclear energy plants;

- New legislative, regulatory and/or competitive market policies that recognize the electric system reliability of existing nuclear energy plants;

- New efforts to enable rapid development of electric transmission capacity to better link existing nuclear energy plants to markets;

- Other, similar policy initiatives that help improve the economic viability of today’s nuclear energy plants.
Thank You

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For more information, contact:

Bryan DeAngelis
Bdeangelis@asgk.com