

Marine and Hydrokinetic Renewable Energy

DCMC

August 3, 2010

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Ocean Renewable Energy Coalition



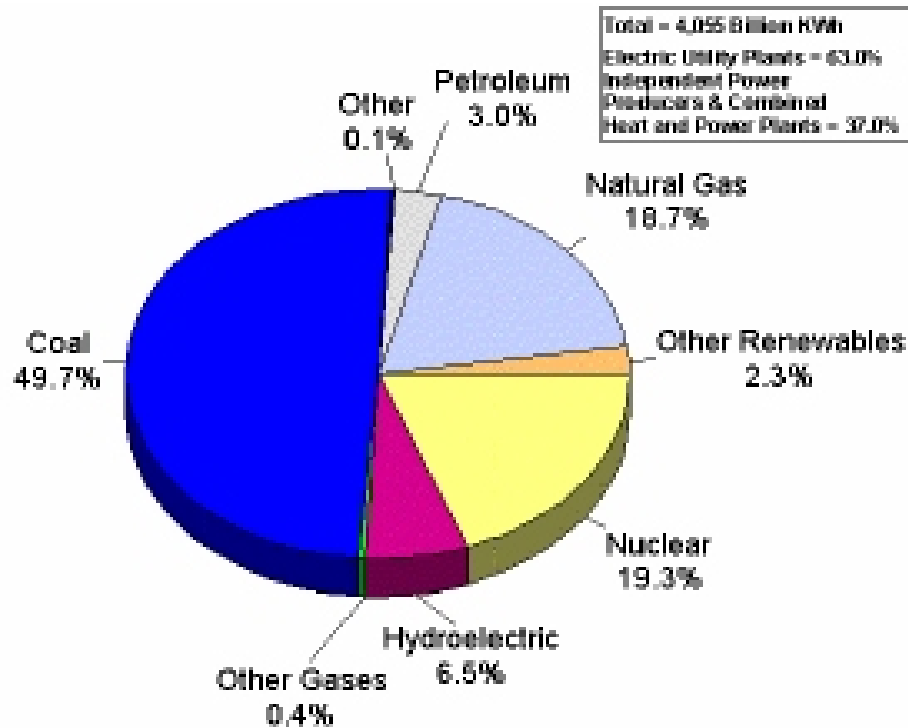
OREC: Who We Are

The only trade association in Washington DC dedicated solely to advancing the marine renewables industry

- Member/Industry Promotion – 43 Members and Growing
- Federal Lobbying
 - First Major Success – Getting Ocean Renewable Energy Federally Recognized in 2005.
 - R&D funding – Congressionally directed \$50 million in DOE competitive grants to benefit industry over past two years.
 - PTC – Success in 2009
 - REPI – Success in 2005
 - CREBS – Success in 2005
 - Support member government lobbying initiatives
- Federal Regulatory Outreach
 - MMS/FERC/NOAA



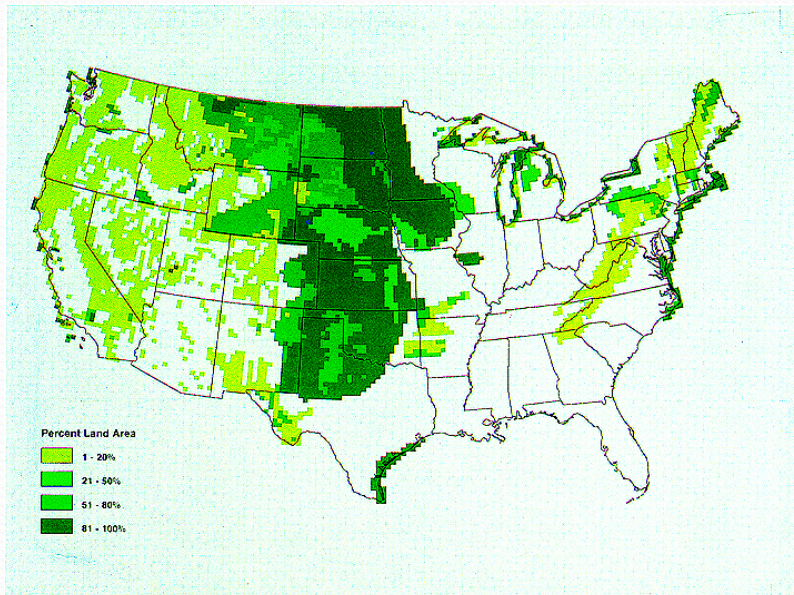
Electric Power Generation by Fuel Type



Diverse supplies of electricity are the cornerstone of a reliable, affordable, environmentally friendly electric system.



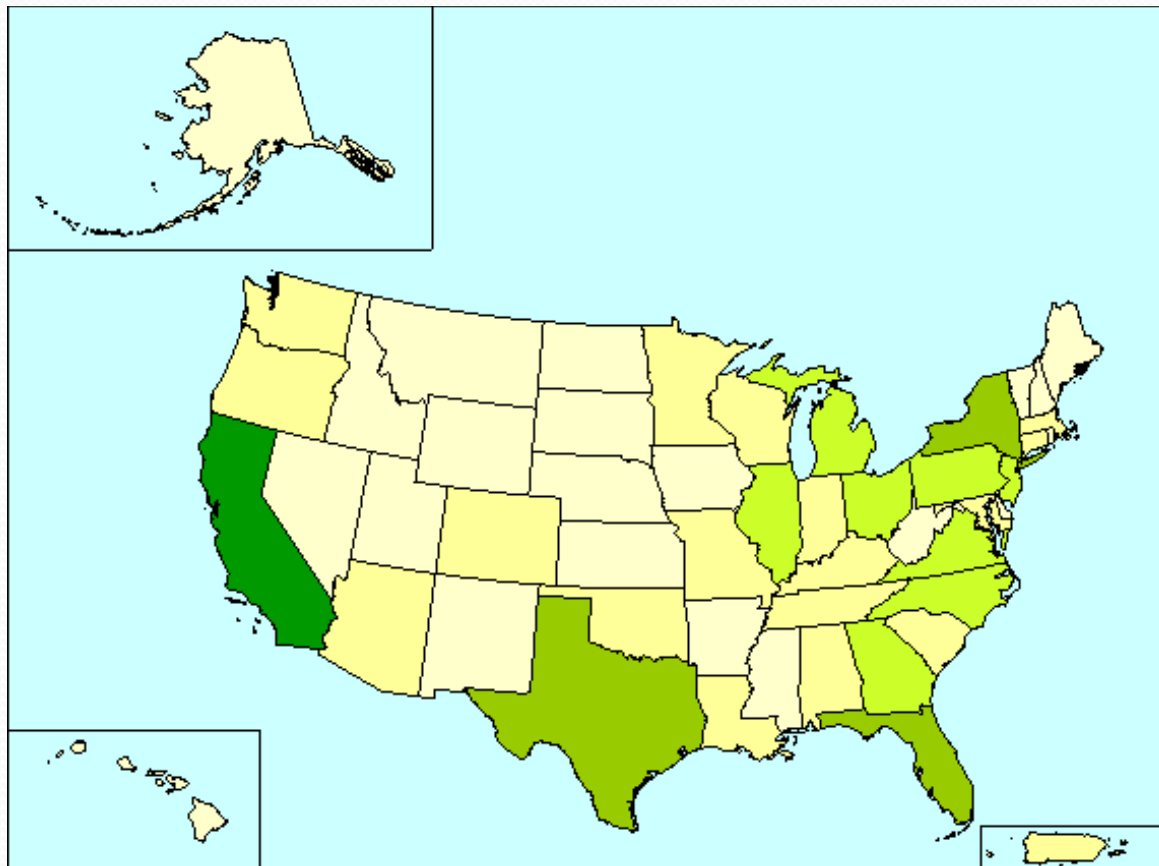
U.S. Wind Resources



- Map 2-10 Percent of the land area estimated to have Class 3 or higher wind power in the contiguous United States

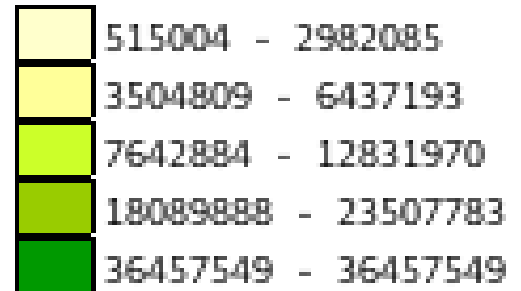


U.S. Population Centers



Data Classes

Total Persons



Features

Major Road

Street

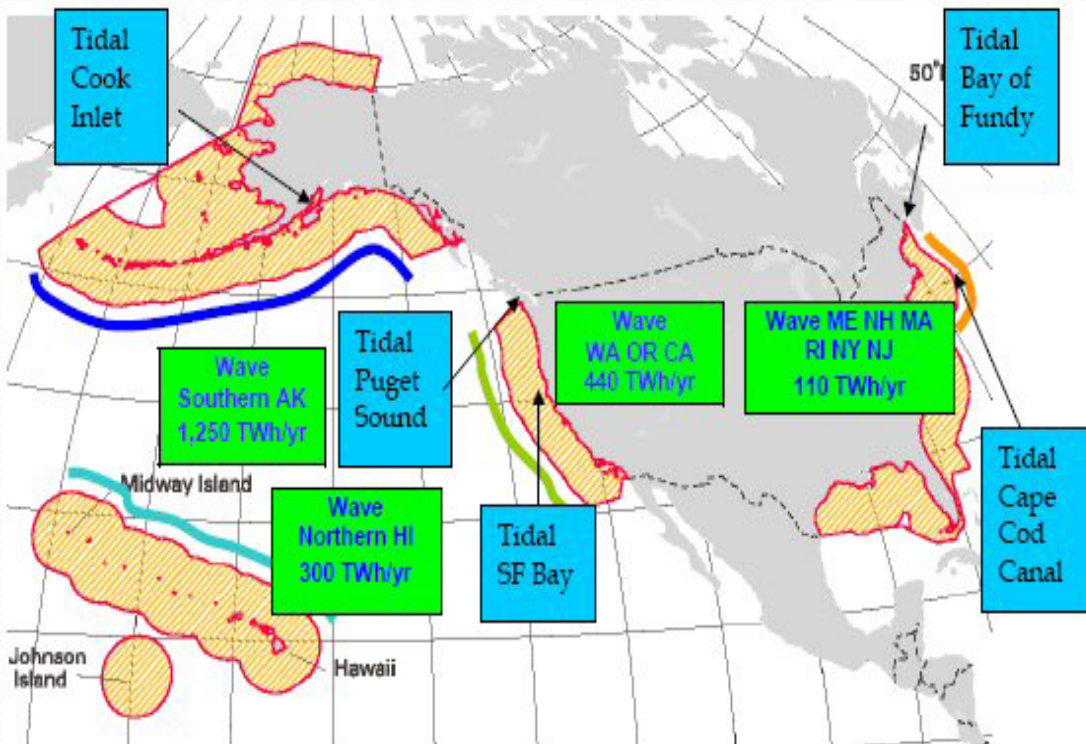
Stream/Waterbody

Items in graytext

are not visible

at this zoom level

Resource Potential



U.S. conventional hydro-electric generation in 2004 was ~260 TWh/yr

Wave and current generation potential:

- *Offshore wave energy*
250-260 TWh/yr if 15% utilized
- *Tidal, river, and ocean currents*
>110 TWh/yr

Credible potential to meet nearly 10% of national demand



Legislation

- Marine Renewable Energy Promotion Act of 2009
 - Original sponsors – Rep. Inslee (D-WA) HR 2148
Sen. Murkowski (R-AL) S. 923
 - New Authorized Funding Amount for the Water Power R&D program to \$250 million
 - Device Verification
 - Adaptive Management Program
 - 5 Year MACRS Depreciation (S. 922)



Adaptive Management Grants

- Pre- and post-deployment studies
- Removal required if adverse impacts
- Data into public domain



CLEAR ACT Amendment Recommendations

Separate Renewables Office within DOI
Royalty & Enforcement Relief
MSP Renewable Coordination
Review Periods
Role of Test Centers



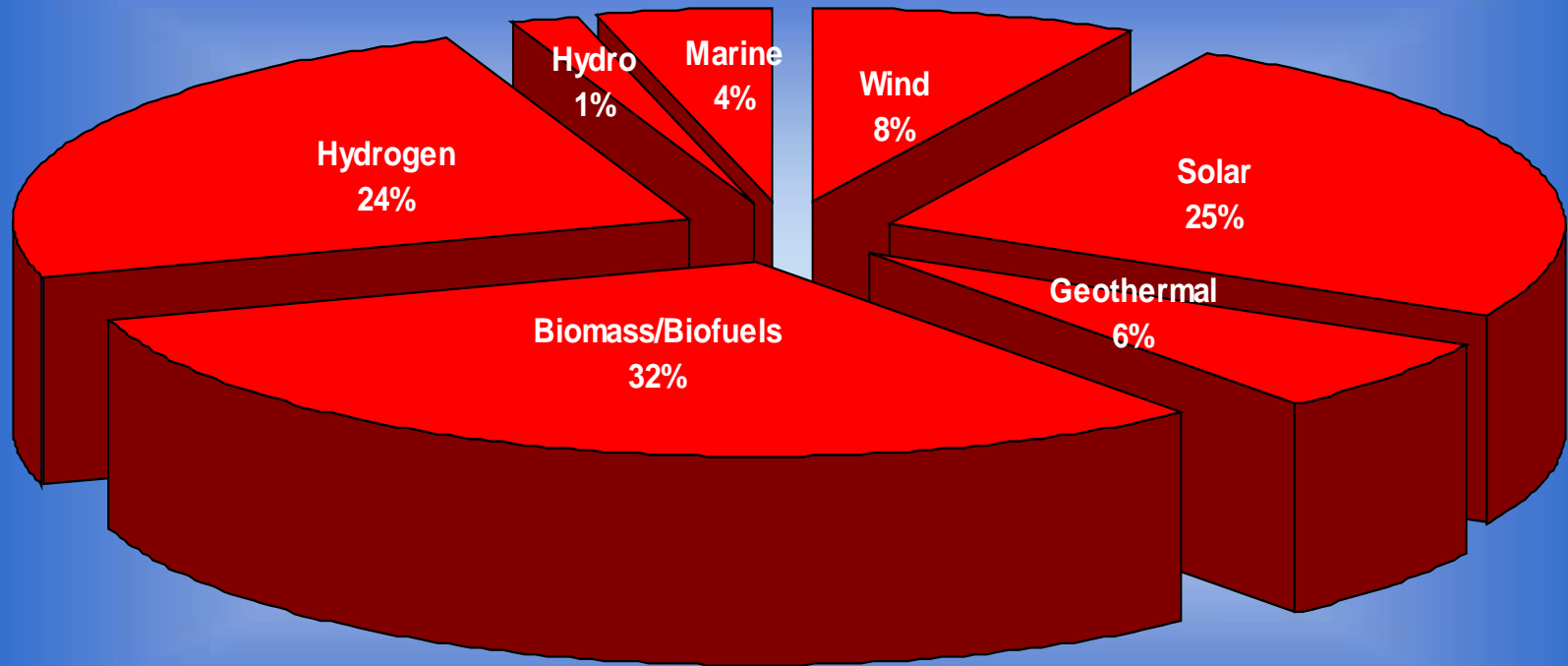
Senate Amendment Recommendations

Inclusion of S. 932 and S. 922

National Endowment for Oceans
(Senators Snow, Whitehouse)



FY09 DOE Renewable Energy R&D Budget - \$700 million



Energy Sector Political Contributions

- 2008 Election Cycle Industry Giving
 - Oil and Gas - \$ 35.4 million
 - Electric Utilities - \$20.7 million
 - Mining - \$6.3 million
 - Alternative Energy - \$1.9 million

Source: Opensecrets.org



Benefits of MHK Technologies

- No Emissions from fossil fuel burning
- No Mining
- No Drilling
- No fuel transport for generation
- No extraction of finite resources



Benefits of MHK Technologies

- Addresses Global Warming
- Addresses Ocean Acidification
- Addresses Need for Sustainable New Generation
- Addresses Competition for Land Resources



Join OREC: Our industry needs more Federal support and your membership can make a difference to increase R&D funding and streamline the regulatory process to get Marine Renewables projects in the water.

Visit Our Website:

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