Ocean Energy For New England

Robert V Bibbo
VP and Managing Principal
Energy Licensing and Permitting
Ocean Industry Trade Associations

Ocean Renewable Energy Coalition (OREC)
Washington, DC
Sean O’Neill, President
www.oceanrenewable.com

Ocean Renewable Energy Group (OREG)
Vancouver, BC
Chris Campbell, Executive Direction
www.oreg.ca
View From 30,000 Feet (USA)

1. Capacity Needs All Regions of USA
2. Carbon Politics Prevails even in SEC and Texas Pressure from Western Europe
   RGGI and Other GHG Initiatives
   RPS in many states
3. National Legislation With Obama Or McCain
4. Public Attitude Shifts
View From 10,000 Feet (USA)

1. Coal needs Sequestration to de-hibernate
2. Zero carbon Nuclear has support over LR
3. Land Based Wind is booming in many Regions
4. Offshore is Challenged (NIMBY and Eco)
5. Biomass is Significant (varies by region)
6. Other Renewables are not Major Factor in SR
7. Ocean Energy Technologies are Emerging Quietly
View From 5,000 Feet (NE next 5yrs)

1. Coal and Nuclear are currently not an option
2. RGGI Puts Energy Efficiency in Primo Position
3. Path of Least Resistance leads to EE and Natural Gas
4. Land Based Wind is very difficult (Transmission and Nimbyism)
5. Offshore Wind is Even More difficult
6. Biomass is not easy
7. Tidal and Wave technologies are being demonstrated.
What Happens in the Long Run (New England)

1. Energy Efficiency Will Remain Primo
2. Too much Reliance on Natural Gas will concern Pols and Public.
3. Nukes and Coal get more serious consideration as options for replacing the Not So Dirty 5 and Not So Sooty 6
5. Modest Success with Land based Wind (WAG-5000MW by 2020)
6. Offshore Wind Eventually Gets Built off MA, RI and ME (WAG-5000MW by 2030 if Deep Water is Feasible)
7. MW Hours will be come from the Ocean in modest numbers (WAG---1000MW by 2020)
What Does Ocean Energy Need For Success

1. Prevalence of the “Gorian Meet The Press Doctrine” (0 Carbon in 10 years)
2. Public Attitudes Demanding 0 Carbon MWs
3. Federal and State Incentives ($, RPS, PTC etc)
4. Higher Electricity Prices
5. Entrepreneurs like Bill Staby and Chris Sauer.
1. Investigated 13 Tidal Sites (ME, MA, NYC, CA, AK)
2. Have Obtained 9 Preliminary FERC Permits
3. Currently Working on Private License for site in CA
4. Currently Working on Grant for 3 sites in Alaska
5. Writing 3rd Party EIS for Cape Wind (MMS)