

Table 5.4.6-1						
Alternatives Versus Project Purpose and Need						
Alternative	Criteria Not Met					
	1	2	3	4	5	6
1. Energy efficiency	X	X			X	X
2. Natural gas-fired power plant	X	X				X
3. New oil-fired power plant	X	X				X
4. Nuclear power plant	X	X	X			X
5. Clean coal fired power plant	X	X				X
6. Repowering existing facilities	X	X				X
7. Tidal, in-stream energy	X				X	
8. Wave energy	X				X	
9. Solar, photovoltaic	X	X	X		X	
10. Ocean thermal	X		X		X	
11. Floating wind turbines			X		X	
1. Alternative energy facility that uses wind resource 2. Offshore New England 3. Technology that is available, feasible and economic in New England 4. Interconnect with NEPOOL 5. Substantial contribution to enhancing electric reliability 6. Achieve RPS of 4 percent by 2009.						

Table 5.4.6-2		
Inputs and Outputs of Energy Generation		
Input Impacts	Generation Facility Impacts	Output Impacts
Fuel supply	Land area	Air emissions
Fuel Transport	Chemical storage	Waste disposal
Water withdrawal	Water treatment	Water discharge

Table 6.1.13-1							
Population and Housing Unit Increases in Barnstable, Nantucket, and Dukes Counties, Massachusetts							
County	Population Increase 1990 - 2000	2000 Population	2004 Population*	Population Increase 2000 - 2004	Number of Housing Units 2000	Number of Housing Units 2004**	Change in Housing Units 2000 - 2004 **
Barnstable	19%	222,230	228,683	2.9%	147,083	153,798	4.6%
Nantucket	58%	14,987	15,518	3.5%	9,210	10,042	9.0%
Dukes	29%	9,520	10,238	7.5%	14,836	15,670	5.6%
*US Census Bureau Estimate							
**2005 for Barnstable County							