

# Safe & Sound??

## *Liquefied Natural Gas Facility Proposed for Long Island Sound Poses Major Environmental & Security Threats!*

**The Broadwater Energy Group, a joint venture between Shell Oil Co. and TransCanada Inc., has recently proposed building a Liquid Natural Gas (LNG) floating storage facility in the middle of the Long Island Sound.** The facility would be located 9 miles off the coast of Wading River and 11 miles south of the Connecticut coastline. It would be the first floating LNG facility ever in the United States at a cost \$700 million. Stretching the length of 3 football fields (1200ft) it would rise 100ft off the surface of the water. Numerous environmental and safety concerns have been identified leading many to the conclusion that this facility is a step in the wrong direction. Long Island's energy needs are better answered through renewable technologies that do not pose serious security risks and detrimental effects to our Long Island Sound estuary system.

### **ENVIRONMENTAL CONCERNS**

1. **Sea Floor Impacts:** The Mooring platform to hold the floating facility would cover 7000 square feet of sea floor disturbing a multitude of organic and inorganic materials. The connecting pipeline running from the facility to an existing one would require a 25 mile ditch to be dug further disturbing the sediment and living creatures. The resulting release of fine sediment into the water would further the hypoxia already affecting the Sound and may cause additional degradation to the overall quality of the water.
2. **Industrialization of the Sound:** This project would allow multi-national corporations to assume control of several square miles of a local public resource, setting a dangerous precedent. It would change the Long Island Sound from an "Estuary of National Significance" to commercial real estate for the highest bidder. The "safety zone" required would no longer allow accessibility for commercial or recreational fishing, lobstering, boating or other activities. Considering the Sound's annual contribution of \$5.5 billion per year into our economy this is a serious cause for concern.



## ACCIDENT/SAFETY CONCERNS

1. **Terrorism Risk:** Because LNG infrastructures are highly visible and easily identified they can be vulnerable to terrorist attacks. According to a recent Congressional report LNG facilities and transport ships were identified to be major security concerns. Facilities may be attacked through a variety of means and tankers may be attacked or commandeered for use as weapons against coastal targets such as the Millstone nuclear power plant.
2. **Pool Fires:** One of the most serious hazards associated with LNG pool fires occur when LNG spills into water and ignites in the air. The fires are more intense and burn hotter than gasoline or oil fires and cannot be extinguished until all of the LNG fuel has been consumed. The fire burns so hot the thermal radiation emitted may damage property or injure people that are a considerable distance away.
3. **Flammable Vapor Clouds:** If LNG spills but does not immediately ignite the evaporating natural gas forms a vapor cloud that may drift some distance from the spill. If the cloud subsequently encounters an ignition source, those portions of the cloud with a combustible gas-air concentration will burn in a similar fashion to the pool fires.



## *Join the Anti-Broadwater Coalition(ABC)*

ABC opposes the Broadwater energy project and its efforts to construct an offshore Liquefied Natural Gas (LNG) facility in the Long Island Sound. We believe the project would pose safety, economic and environmental risks to New York and Connecticut. Currently, over 50 environmental and civic organizations and 50 leading Long Island officials have joined a growing coalition to stop this imprudent project. Your organization can help too. Please contact the following for more information or to set up a presentation:

**Citizens Campaign for the Environment**

(516) 390-7150

[www.CitizensCampaign.org](http://www.CitizensCampaign.org)

**Long Island Pine Barrens Society**

(631) 369-3300

[www.PineBarrens.org](http://www.PineBarrens.org)

**Anti-Broadwater Coalition**

P.O. Box 800 Wading River  
NY 11792

[www.StopBroadwater.org](http://www.StopBroadwater.org)

**HELP SAVE THE LONG ISLAND SOUND!**