

"BIG OIL" AND FOSSIL FUEL THREATEN NY/NJ COAST

Tale of Two LNG Projects-- The Worst Idea and Worst Actor:

THESE PROPOSALS ARE COUNTER TO GOOD ENERGY POLICY, WILL INCREASE OUR USE AND DEPENDENCE ON FOSSIL FUELS, AND WILL HARM OUR MARINE ECOSYSTEM.

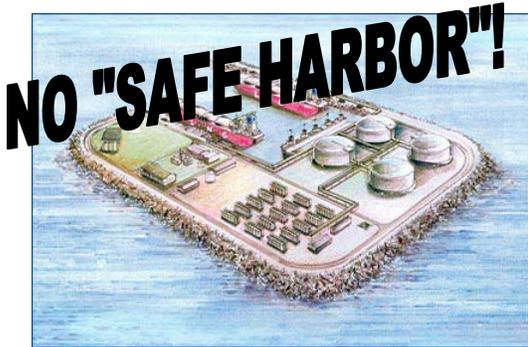


Photo Source: Atlantic Sea Island Group

Project 1: Atlantic Sea Island Group's (ASIG), a group of private investors, "Safe Harbor Energy" project, which is a massive manmade island in the open ocean for an LNG facility

Project 2: ExxonMobil's floating terminal for LNG, called "BlueOcean Energy"



Adapted from ExxonMobil

What is LNG?

Liquefied Natural Gas (LNG) is natural gas in its liquid form. Natural gas is cooled to minus 259 degrees Fahrenheit to become liquefied.

LNG POLLUTES:

LNG is a fossil fuel and will significantly contribute to global warming through emissions. The entire lifecycle of extraction, liquefaction, transportation, and gasification emits harmful greenhouse gases (GHG). **LNG produces 20%-40% more GHG than domestic natural gas.** Further, though some consider LNG a greener fuel, it can

only be so if it eliminates coal-burning plants or captures uncontrolled releases of natural gas.



LNG ships can be nearly four football fields in length
Photo source: www.timrileylaw.com

DEPENDENCE ON FOREIGN SOURCES:

LNG is not domestic and is produced in Middle Eastern countries, Russia, and Algeria, among others, where environmental laws and controls are often less stringent. These LNG schemes will increase the burning of polluting, GHG-emitting fossil fuels and increase our dependence on foreign energy sources for decades to come. The ocean is the Earth's largest carbon sink and naturally removes fossil fuel-based emissions from the atmosphere. These two projects will compromise the ocean's ability to serve this free and vital role: the more carbon dioxide (CO₂) emitted into the atmosphere, the more carbon absorbed by the ocean, which leads to the acidification of the ocean and a decreased ability to naturally absorb CO₂.

EXCLUDES PUBLIC FROM OCEAN:

These ocean waters belong to the public, contrary to what Howard Bovers, ASIG Chairman said at a November 2007 public meeting, "It's not your ocean; it's the federal government's ocean." Due to security and safety, large areas of the ocean around the facilities will be closed to boats and ships, significantly impacting recreational and commercial fishing activities in the region. For the ASIG Island, a **9,306-acre area** would be closed to vessels during the estimated eight-month construction period of the associated pipeline. In addition, the proposed island will have a 500-meter exclusion zone, which, when coupled with the island itself, will preclude vessels from over 630 acres of the ocean for decades. **In sum, these projects turn over control and use of our ocean to "Big Oil," corporate interests, and industrialization.**



CORPORATE RESPONSIBILITY - NO EXPERIENCE & BAD REPUTATION:

The ASIG admits that management team members have "**no prior direct experience with offshore LNG operations**" or offshore construction. Exxon Mobil is known around the world for massive oil spills and destroying communities, such as in Prince William Sound, Alaska. This company's track record is not one to welcome to the region to manage hazardous material off our coast.

IMPACTS ON THE MARINE ENVIRONMENT:

- smothering acres of the seafloor for facilities and pipelines, destroying habitat
- altering migration patterns of fish, birds, whales, turtles, and other marine life
- billions of gallons of seawater will be sucked up to fill empty tanker ballasts killing billions of animals
- collisions, accidents, and spills are likely since the Port of NY/NJ is the busiest port on the east coast
- stormy seas during nor'easters and increasingly strong and more frequent hurricanes will pummel facilities
- many endangered, threatened, and protected species are in and around the project locations:



The NY/NJ Bight is home to 300 species of fish, nearly 350 species of birds, 7 species of sea turtles, and many marine mammals, such as 25 species of whales and dolphins and several species of seals and porpoises.

Endangered & Threatened Species

northern Atlantic right whale
fin whale
humpback whale
Kemp's Ridley sea turtle
Loggerhead sea turtle
Leatherback sea turtle



Protected Species

minke whale
harbor porpoise
longfinned pilot whale
Atlantic white-sided dolphin
bottlenose dolphin
common dolphin
Risso's dolphin

Atlantic spotted dolphin
striped dolphin
orca (killer whale)
harbor seal
gray seal
hooded seal
harp seal

LNG IS UNSAFE & RISKY BUSINESS:

Besides the vulnerability to terrorism, the technology of these projects – the first of their kinds in the world – is unproven and risky. LNG, if it escapes from a storage tank or ship, can quickly vaporize. An LNG spill would create a hazard zone with risk of fire, explosion, gas asphyxiation, and/or cryogenic burns. Released LNG will partially revert to its gaseous state, creating a vapor cloud that, if ignited, could cause a massive fireball from an LNG terminal or a tanker in transit. An accidental LNG tanker collision with the terminal or another vessel, a deliberate terrorist attack, human error during operations, equipment failure, or a natural disaster, such as a hurricane or nor'easter, makes LNG projects risky business.

OPEN TARGETS FOR ACCIDENTS & TERRORISM:



The proposed facilities will straddle shipping lanes in the NY/NJ Harbor region—the **busiest port** on the east coast, and #3 in the US. This will dramatically affect shipping traffic patterns when tankers approach the facility; ship traffic and navigation will be altered in the busy region. LNG tankers leaving and entering shipping lanes amidst port traffic raise the risk of accidents with all vessels (i.e., cargo, oil tankers). At each stage of the LNG supply chain – from loading, shipping, storage, piping – accidents and acts of terrorism are possible. In addition, these two facilities are proposed in the pathway to three major airports and in one of the busiest port regions in the world.

IT'S EXPENSIVE & WE'LL PAY:



The cost of LNG on the worldwide market is as uncertain as the politics of the countries from where the fossil fuel originates. The price of LNG rises and falls with demand and supply. LNG is shipped to the markets with the highest bidder; currently, large amounts of LNG are being shipped to Japan. LNG imports to the U.S. declined sharply from 2003 to 2006. The reason is LNG producers can get better prices for their product in Asia and Europe. Further, from construction to security, the cost of building and operating these offshore facilities is high. Many other costs will most likely be passed onto the public. For instance, it will cost **\$24.2 million** just for security measures for LNG tankers using the proposed ASIG facility each year. Also, the companies claim that NY and NJ will get new and cheap supplies of energy with these projects. However, existing infrastructure is at capacity in Long Beach, NY, and these supplies will only displace the natural gas in the region.

SOLUTIONS ARE AVAILABLE - WE NEED GREEN JOBS, NOT DIRTY ONES:

We need to support energy efficiency, conservation, and renewable energy technologies and projects, which are readily available. According to energy consultant Kema, 6-8 medium-sized power plants worth of energy could be saved if citizens in New Jersey were more energy efficient. By focusing efforts on energy efficiency and conservation measures and renewable technologies, the region can create a win-win situation: decreasing GHG, and long-term job creation with green technologies.

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TWO PROPOSED PROJECTS: The Latest Fossil Fuel Scams

ATLANTIC SEA ISLAND GROUP'S "SAFE HARBOR ENERGY" PROJECT:

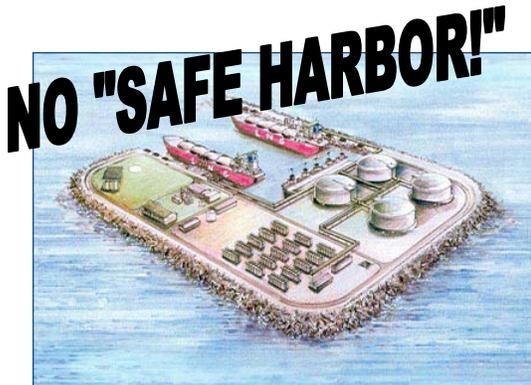


Photo Source: Atlantic Sea Island Group

- manmade industrial island for complex to offload, store, and process liquefied natural gas (LNG)
 - 13 miles off New York and 19 miles off New Jersey
 - **86 acres** at surface (more than the size of eight Giants Stadiums)
 - base would smother **116 acres** of seafloor
 - first-ever man-made island in open ocean
 - in 60-70 feet of water
 - built 25 feet above sea level, while wave heights during storms in this region can reach 30 to 50 feet
 - located in prime fishing grounds of Cholera Bank (part of the only naturally occurring reef system off NY/NJ; latitude and longitude of proposed project: 40° 23' 19"N and 73° 36' 35"W)
- over 630 acre exclusion zone for boats and ships
 - requires dumping 16 million tons of material
 - 700,000 truck loads of dirt to be transported in the region to supply sand to build the island, in addition to the truck loads of rock
 - berthing and offloading space for two conventional LNG vessels with capacity of 70,000-270,000 cubic meters, and ability to accommodate support vessels and crew support launches
 - up to 484 ships expected each year
 - LNG ships can be nearly four football fields in length
 - billions of gallons of life-rich seawater will be used and displaced for ballast
 - 25.6 miles of new sub-sea pipeline to be built
 - four storage tanks, each holding 6,356,640 cubic feet of LNG
 - a shore-based facility to facilitate movement of personnel, equipment, supplies, and disposable materials between the port and the shore
 - 40-year operating life expectancy

EXXONMOBIL'S "BLUEOCEAN ENERGY" PROJECT:

ExxonMobil's proposal is at the early stages, and they have provided only minimal information. A formal application has not been filed. This is known:

- ▶ Proposed for 20 miles off New Jersey and about 30 miles off New York
- ▶ A new sub-sea pipeline will connect to new and existing onshore pipeline systems and will destroy important fish habitat
- ▶ The floating terminal, which will receive and store LNG, is new & unproven technology
- ▶ Over 80,000 citizens and many elected officials vehemently oppose a similar proposal in Long Island Sound
- ▶ Governor Arnold Schwarzenegger vetoed a similar project due to concerns with "significant and unmitigated impacts to California's air quality and marine life."



Photo Source: BlueOcean Energy

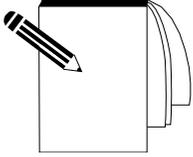
HOW TO TAKE ACTION TO STOP THESE PROJECTS

No “Safe Harbor”!

Stop Big Oil!

As the review processes unfold for both of these fossil fuel projects, organizations, citizens, and elected officials will have opportunities to take action.

Get the Scoop!



- **Gather information:** For the latest information and actions, go to www.cleanoceanaction.org and follow the link for “Action Alerts”
- **Stay tuned! Sign-up for The Wave,** Clean Ocean Action’s email action alert list, to receive updates on this project, notices about public comment opportunities, and information about scheduled public hearings on this project

Get Onboard!

- ✓ **Commit to the campaign:** Discuss these two projects with an organization in which you are active. Get a commitment from your organization to participate in the campaign to stop these projects and sign a “**Statement of Opposition,**” which is available at www.cleanoceanaction.org.



Take Action!

The agency review “clock” is already ticking for the Atlantic Sea Island Group project. A formal application for the Exxon facility has not been submitted, to date. Each project will bring opportunities for citizens, organizations, businesses, and elected officials to express concerns about these two LNG projects. Here are some actions to take against these two fossil fuel projects:

- ▶ Organizations can sign the Statement of Opposition to Offshore LNG Facilities in the NY/NJ Clean Ocean Zone (available at www.cleanoceanaction.org)
- ▶ Write a letter to your Governor, who has veto power over these projects, and urge him to oppose the ASIG and Exxon facilities
- ▶ Voice your opposition to these projects to your federal, state, county, and local elected officials
- ▶ Write letters to the editor to local and regional newspapers opposing the projects and encouraging citizens, organizations, and elected officials to take action against the facilities
- ▶ Send alerts to friends, family members, co-workers, and members of organizations in which you are involved as the project moves through the application review process and urge them to attend public hearings, meetings, and action events
- ▶ Support “The New Jersey/New York Clean Ocean Zone Act” or H.R. 2854, which is bi-partisan, bi-state legislation to permanently protect the waters off the NY/NJ coast from polluting activities and facilities, such as the LNG island and floating LNG terminal (visit www.cleanoceanzone.org for information and ways to support the COZ)

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