

Energy Gas Processing

Client

El Paso Corporation

Location

Grand Bahama Island,
Commonwealth of Bahamas;
Martin County, Florida, USA, and
undersea pipeline route in-between

Environmental Impact Assessment (EIA) of the High Rock Liquefied Natural Gas (LNG)

Project Highlights

- Developed baseline environmental information for each of the FERC Resource Reports
- Provided siting evaluations for corridor selection; planned, coordinated, and participated in public meetings; and coordinated with all state, local, and federal agencies to develop an effective planning and environmental documentation and permitting process to maximize value from each of the prepared Resource Reports

Project Description

CH2M HILL is conducting environmental studies and is preparing an EIA for the proposed High Rock LNG facility, for the El Paso Corporation. The High Rock project includes the construction and operation of an LNG receiving terminal and re-gasification facility Grand Bahama Island in the Commonwealth of the Bahamas.



The project consists of:

- Enlargement and deepening of an existing harbor and berthing facilities
- LNG import and LPG export ship transfer piping, equipment, and berthing structures
- LNG storage tanks
- Facilities for pressurizing and vaporizing LNG into pipeline gas
- All supporting facilities, equipment, piping, buildings, and utilities for clean, safe and efficient plant operations

The High Rock facility will receive LNG from specially designed ships arriving from LNG exporting countries worldwide. The LNG will be pumped from the ships to onshore tanks for temporary storage in a cryogenic liquid state at atmospheric pressure. The LNG will be converted via re-gasification facilities to natural gas and injected into a high-pressure seabed pipeline for transportation to U.S. energy markets.

CH2M HILL is preparing a separate EIA for the portion of this pipeline within Bahamian jurisdiction. Our firm is also preparing FERC Resource Reports for the U.S. portion of this pipeline.

CH2M HILL is also completing the environmental resource reports and complete all environmental permitting for this very strategic project to transport natural gas from the High Rock LNG facility to an existing natural gas transmission line in Florida, as well as to the planned conversion from oil to natural gas for a large electric power facility in Martin County, Florida. Our scope of work on this project has been to develop baseline environmental information for each of the FERC Resource Reports. In addition CH2M HILL provided siting evaluations for corridor selection;



planned, coordinated, and participated in public meetings; and coordinated with all state, local, and federal agencies to develop an effective planning and environmental documentation and permitting process to maximize value from each of the prepared Resource Reports. As part of our core responsibilities, CH2M HILL also managed the coastal live bottom surveys required to evaluate the natural resource communities affected by the project and will be developing a habitat equivalency assessment for mitigation planning to reduce the permitting requirements and possible project delays. As a multidisciplinary project, the services provided have required close coordination of expertise across all the technical areas required for the environmental documentation, including staff from multiple offices who bring the level of technical experience required to meet needs of the client and the decision makers.

Results of these investigations will support optimal project siting and support the EIAs. Key issues associated with this project include potential impacts to coral reef systems, wetlands, protected species, and social and economic impacts in the Commonwealth of the Bahamas.