

Kenai Liquefied Natural Gas Plant and North Cook Inlet Gas Field, Alaska

Facility Facts

LNG Plant Operator	ConocoPhillips	100% ownership
NCI Gas Field/Tyonek Platform Operator	ConocoPhillips	100% ownership

The Kenai LNG Plant is located in Nikiski, on the Kenai Peninsula, approximately 60 air miles from Anchorage and 10 miles from the city of Kenai.

The North Cook Inlet Gas Field was discovered in 1962 and primarily feeds the Kenai LNG Plant. The field is operated from the Tyonek platform in the northern waters of Cook Inlet. Net natural gas production averaged nearly 30 MMCFD in 2012.

LNG Technology

LNG is manufactured from raw natural gas via ConocoPhillips' proprietary technology that chills the gas to -259 degrees Fahrenheit (-161 Celsius). This shrinks the gas to less than one-600th of its original volume, which makes long distance shipping feasible. The LNG is stored and transported at atmospheric pressure.

History

The Kenai Liquefied Natural Gas (LNG) Plant began operating in 1969, and for more than 40 years was the only LNG export plant of domestic production in the United States. Nearly all LNG produced at the plant has been sold via contracts with two Japanese utilities.

The Kenai LNG Plant complex includes docking and loading facilities to transport LNG, which is carried to customers by tanker.

In 2011 ConocoPhillips announced that it would be ceasing LNG exports from Kenai and preserving the plant for potential future use. The export license for the plant expired March 31, 2013. ConocoPhillips is maintaining the flexibility to resume operations and apply for a new export authorization if sufficient gas becomes available, and continues to honor its gas supply contracts with local utilities.

