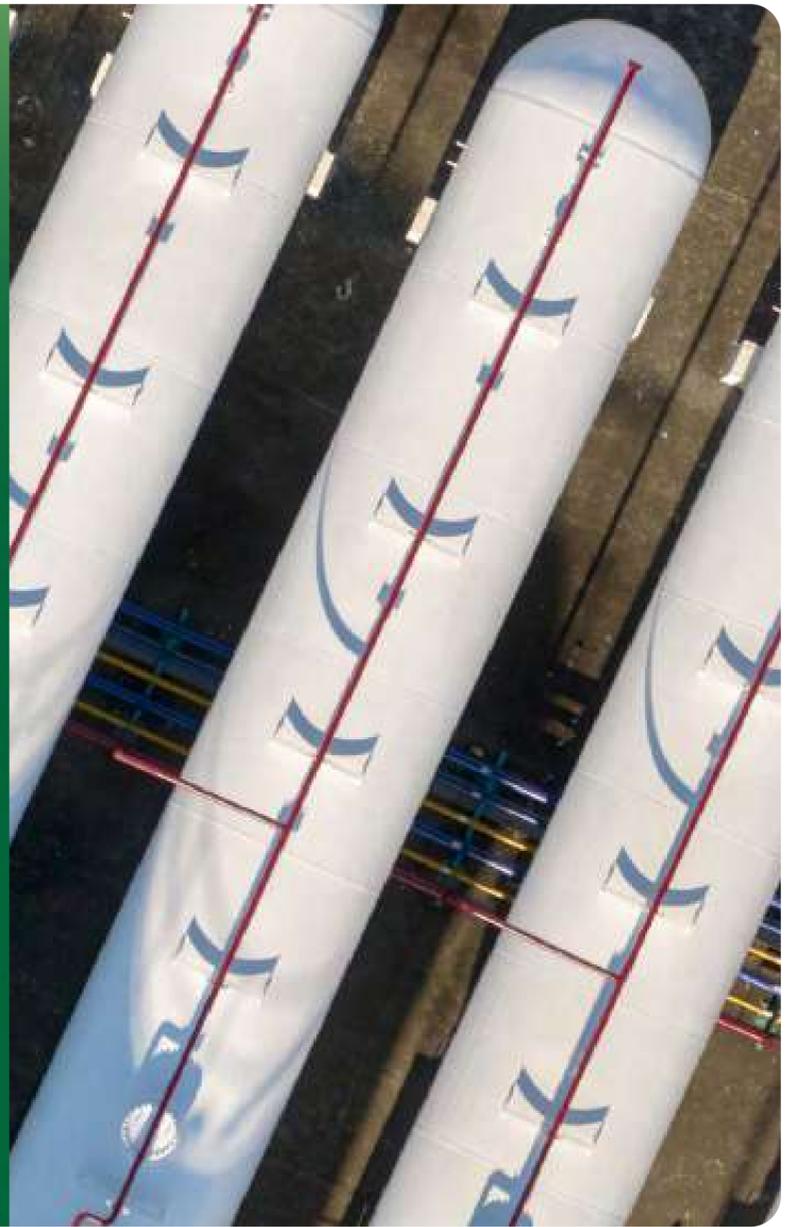


Liquefied Natural Gas (LNG) – Fact Sheet

This fact sheet outlines our transition to Liquefied Natural Gas (LNG), highlighting its benefits for the community and its role in achieving a sustainable energy future for Grand Cayman.



What is Liquefied Natural Gas?

01. Liquefied Natural Gas (LNG) is natural gas that has been cooled to an extremely low temperature, about -161°C (-259°F), transforming it into a liquid state.
02. This process reduces its volume to 1/600th of its original un-liquefied state, making it much more compact and easier to transport and store.
03. It is clear, odourless and colourless, and is considered a clean fossil fuel due to its lower carbon dioxide (CO₂) emissions compared to diesel.

What Does This Mean for You?

The adoption of LNG is a strategic step towards a cleaner and more sustainable energy future for Grand Cayman. As a result, customers can expect **a more secure and reliable energy supply**.

LNG also has the advantage of being **a lower cost fuel**. As natural gas is in abundance, and the lowest cost than other fossil fuels, this can lead to **reduced energy costs for you**.

Why LNG is Important to a Sustainable Future?

-  Critical to the transition to a more sustainable energy mix, while renewable energy technologies are further deployed at scale.
-  Natural Gas produces around 40% less CO₂ per unit of energy during combustion than diesel.

How LNG Impacts Our Environment?

-  Lower emissions than diesel.
-  Fewer pollutants, resulting in a smaller carbon footprint.
-  Essential part of the global energy mix to a sustainable, low-carbon future.

Why LNG?

01. **Reliable** – Diversifying our fuel sources ensures a secure and uninterrupted energy supply as we move to renewables, enhancing energy security.
02. **Affordable** – Price competition helps lower costs, and the actual converted commodity price is also lower in cost than diesel.

In 2019, The Utility Regulation and Competition Office (OfReg) announced that for large scale solar to be offered on Grand Cayman, there would be a competitive bid process for utility scale solar. In 2022, OfReg issued the Request for Qualification (RFQ) which is to be followed by a Request for Proposal (RFP). CUC eagerly awaits the proposal process with OfReg, this bid process will allow CUC to openly provide details on the plans that the company has for renewable energy and demonstrate to the public its commitment to finding affordable, reliable, and environmentally friendly energy for the people of Grand Cayman.