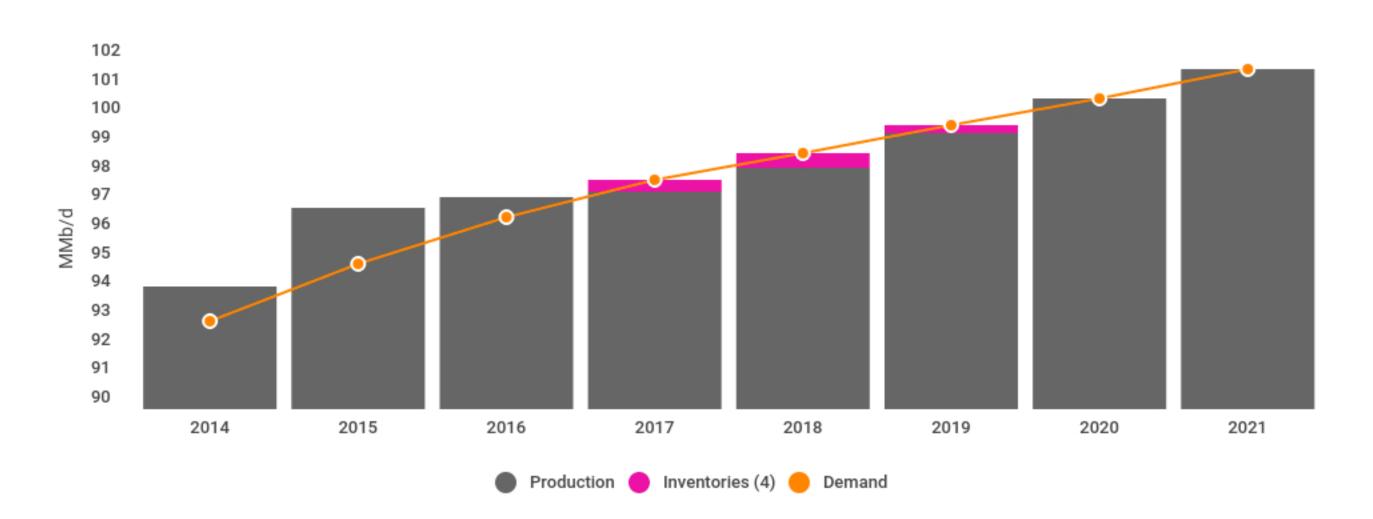
# Exhibit 1: The LNG market is expected to be oversupplied to 2025 while global oil market could start tightening by 2020-21

#### a) Global LNG supply and demand to 2030 (1,2,3,)



- The global LNG market will be oversupplied until ~2025, but an additional 17-20 bcfd of liquefaction capacity will be needed by 2030
  - Production from existing liquefaction facilities is generally flat with the exception of plants where supply is constrained due to resource availability or geopolitical disruption
  - The US accounts for ~10 bcfd of the ~17 bcfd of LNG supply under construction

#### b) Global oil market balance mid-term (lower for longer scenario)



In Lower for Longer scenario, it is likely to take 2-3 years for market to tighten and prices to rise

- Production from new projects FID'd after 2014 is not enough to fill the supply gap which results in tightening in global oil markets by 2020-21 as operators cut upstream oil and gas capex from ~\$800 billion in 2014 to ~\$400 billion in 2016
- Range of North America shale oil production outcomes increases the uncertainty regarding the pace of medium-term price recovery

SOURCE: Energy Insights Global Gas Model

<sup>1</sup> Onstream supply is based on bottom-up analysis of gas available for export after domestic demand is met

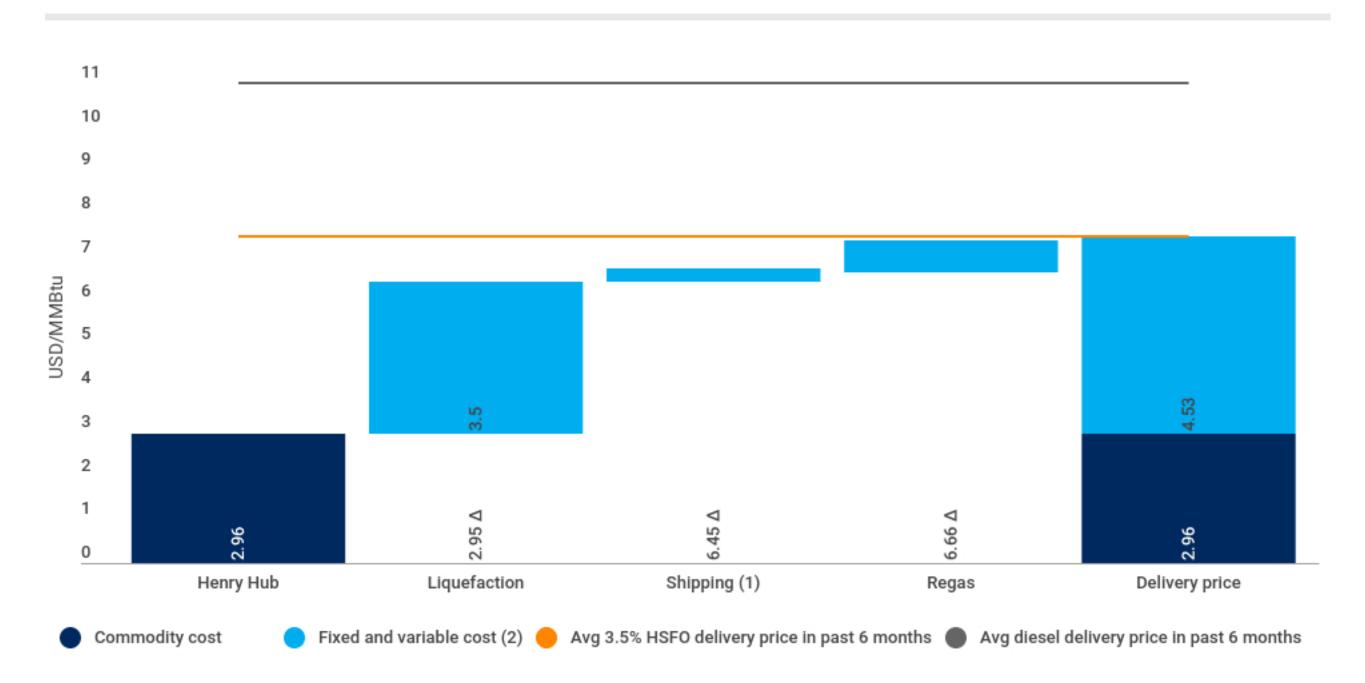
<sup>2</sup> New liquefaction projects are expected to produce at 50% of capacity in year one and 90% of capacity in the following years

<sup>3</sup> Existing projects output is expected to decline as several LNG exporters are projected to experience feed-gas supply constraints

<sup>4</sup> Includes OECD and Non-OECD (estimated) commercial inventories

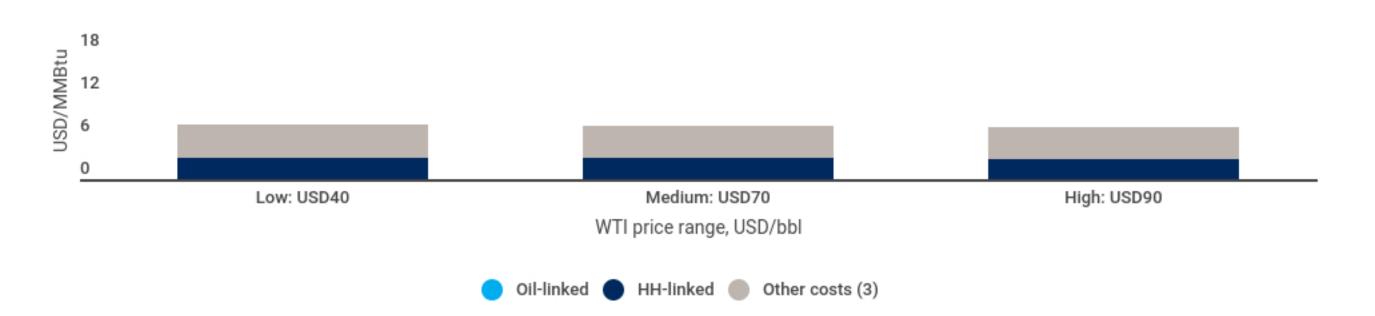
### Exhibit 2: Delivery cost breakdown of US LNG to the Caribbean

## a) Breakdown of US LNG delivery costs (large-scale onshore terminal)

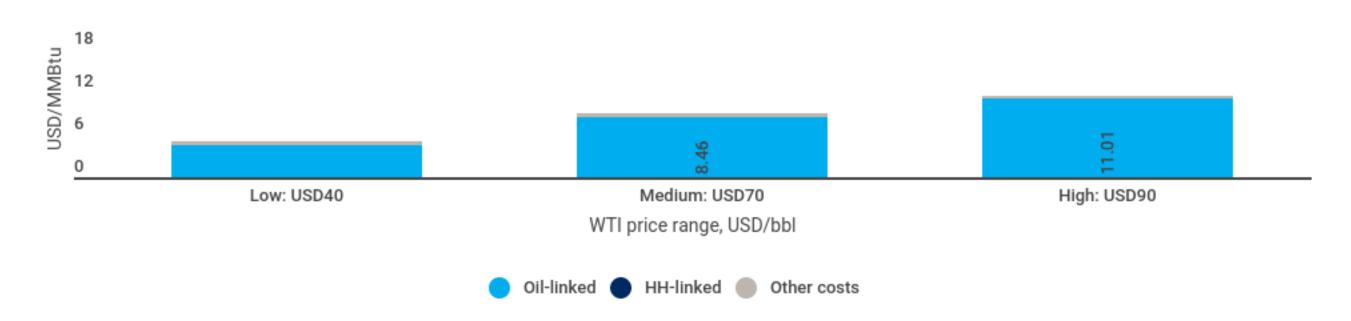


### b) Comparison of fuel costs to the Caribbean

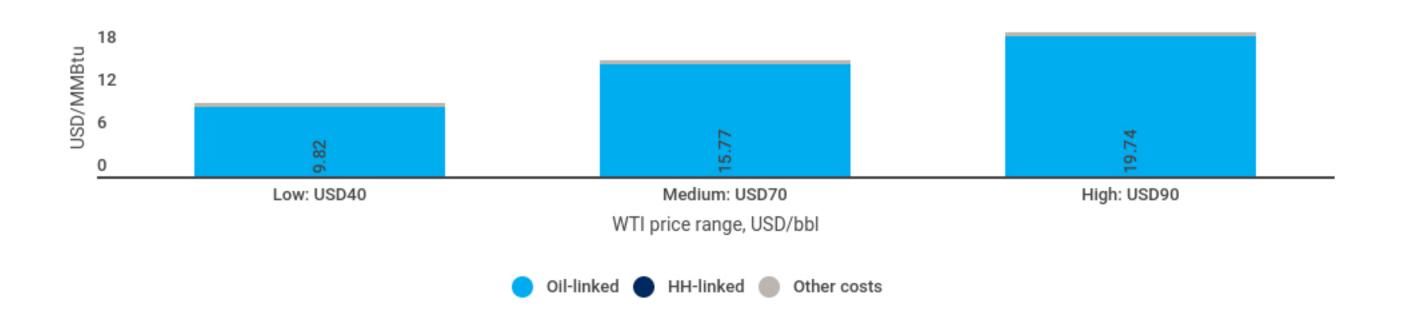
## Cost-based US LNG



## 3.5% fuel oil



# Diesel



<sup>1</sup> Shipping cost varies slightly based on distance, using an average distance of 2600 km

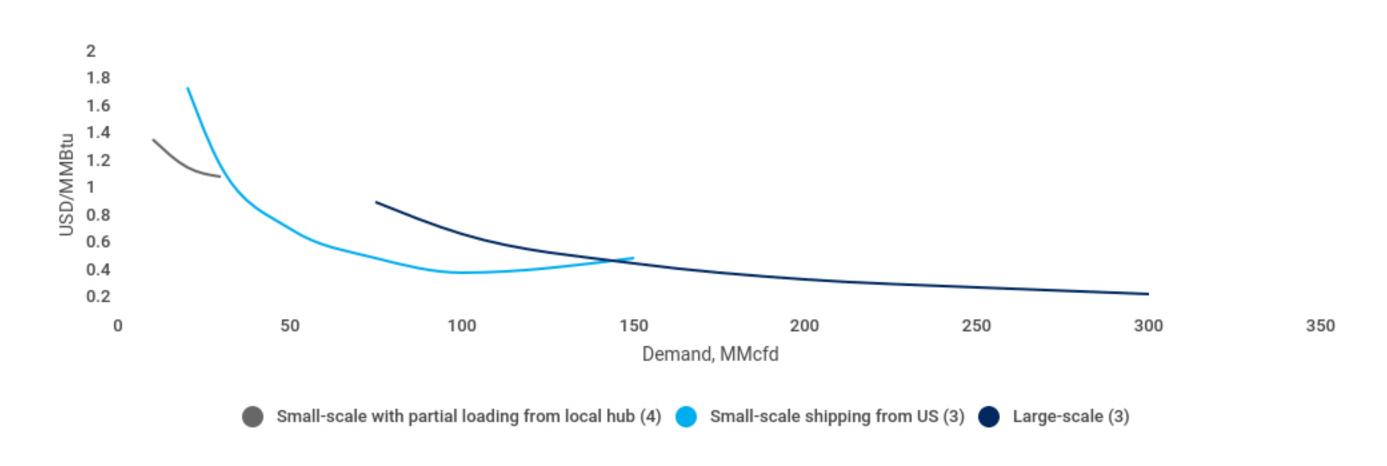
SOURCE: Energy Insights Natural gas distribution model, Oil desk

<sup>2</sup> Include capex, fixed tolling fee, fixed and variable opex. Assumes 30% tax rate and 10% cost of capital for a 20-year project at 90% utilization

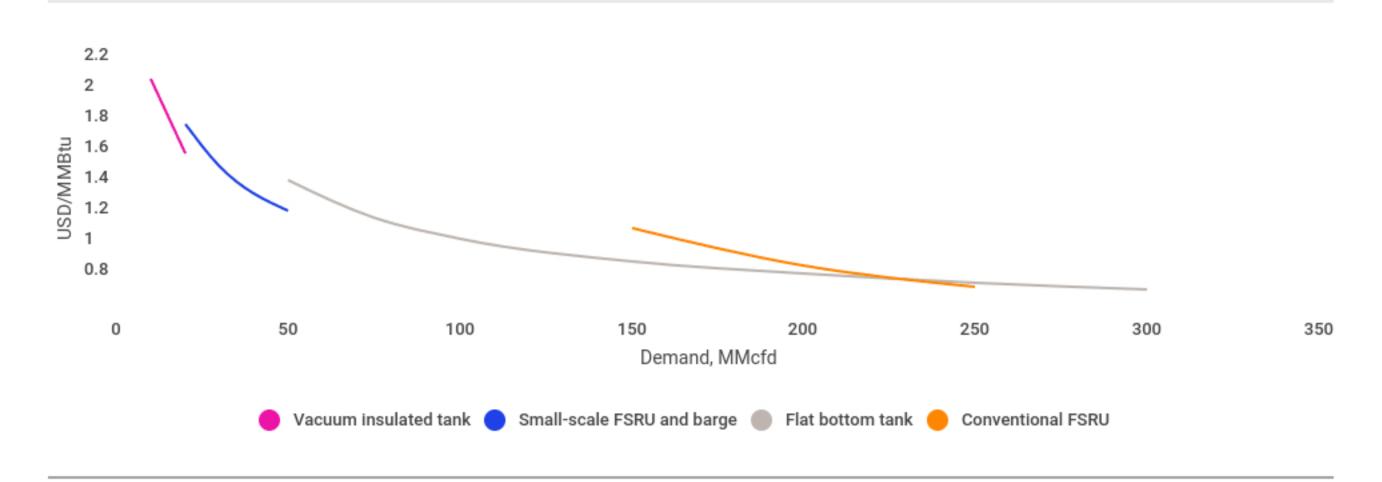
<sup>3</sup> Include distribution and other costs that not directly linked to commodity

### Exhibit 3: Shipping and regasification costs vary through different demand levels and technologies

### a) Shipping cost<sub>(1,2)</sub> estimates by different demand levels and technologies



### b) Regas cost(2) estimates by different demand levels and technologies



<sup>1</sup> Assumes an average of distance of 2500km to deliver US LNG to the Caribbean

SOURCE: Energy Insights Natural Gas Distribution Model

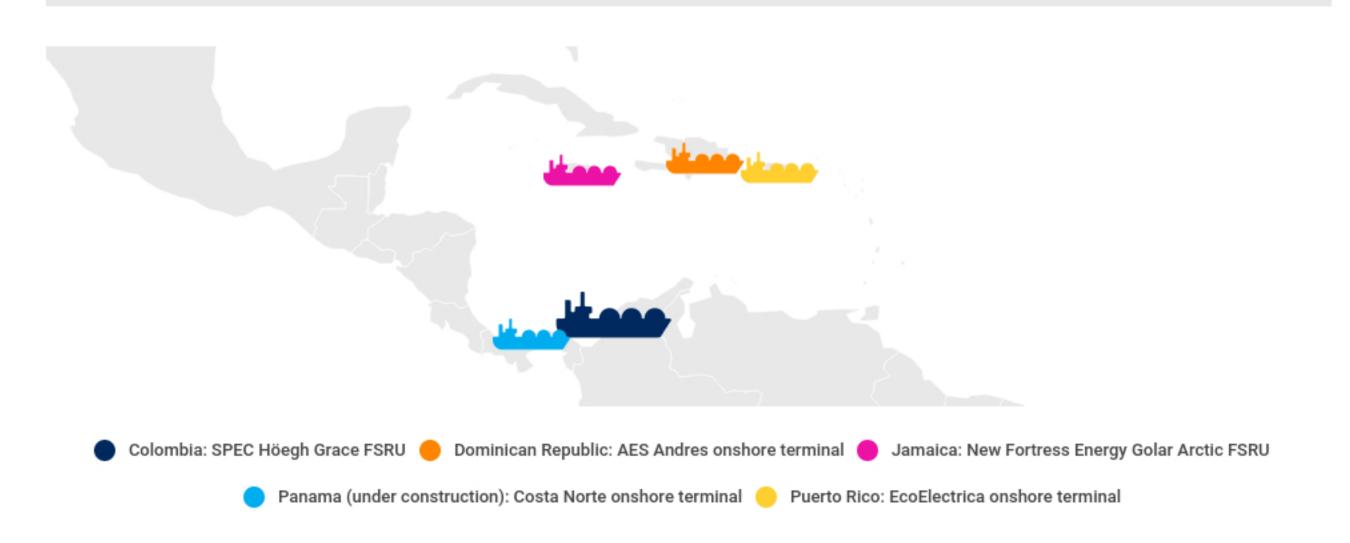
<sup>2</sup> Assumes 30% tax rate and 10% cost of capital, 20 year project at 90% utilization rate

<sup>3</sup> Assumes large scale tanker size of 135,000 m3, and mid-scale tanker size of 40,000 m3, 10-days per trip

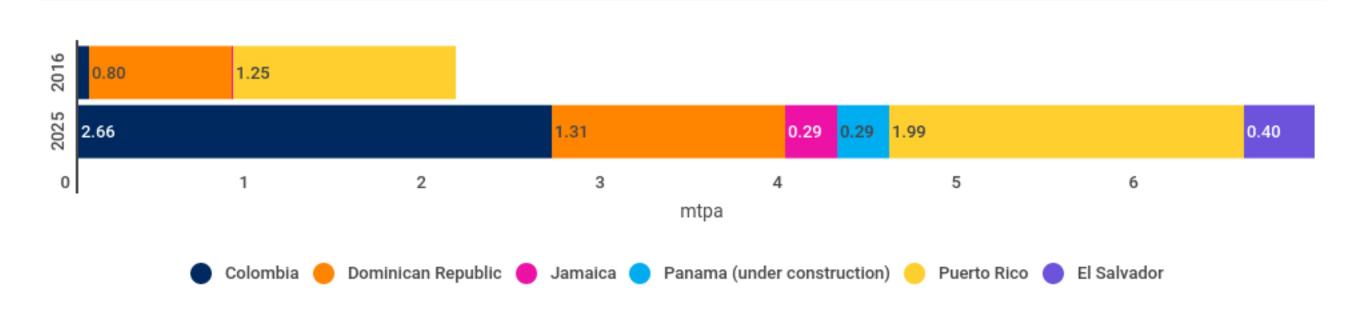
<sup>4</sup> Assumes a ship size of 20,000 m3, partial loading from a local hub 800km with additional hub fee of \$1/MMBtu

## Exhibit 4: The Caribbean gas market: infrastructure and future demand

## a) LNG import terminals and their capacities in the Caribbean



## b) LNG import forecast (1)



1 Base case scenario for six countries in the Caribbean and Mid-America SOURCE: Energy Insights Global Gas Model, Press release