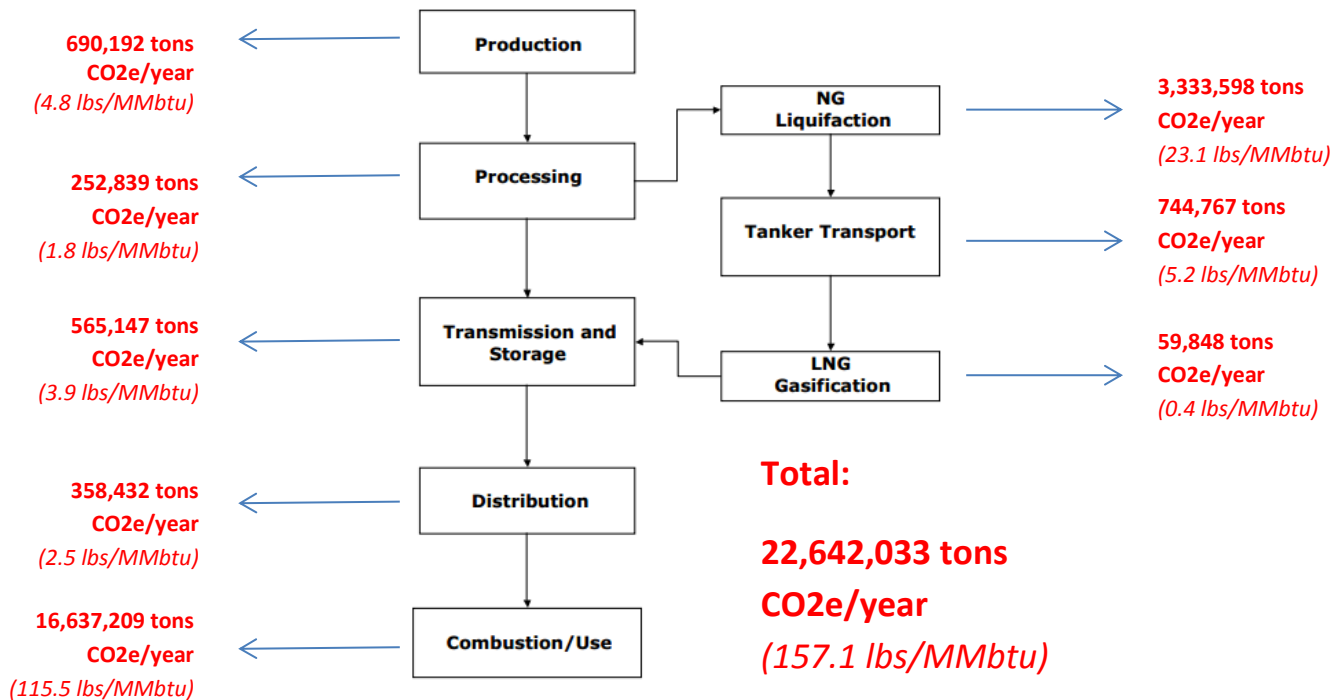


## The Proposed Cove Point Liquefied Natural Gas (LNG) Export Facility would be the Largest Lifecycle Climate Polluter in Maryland

The proposed Cove Point Liquefied Natural Gas (LNG) export facility alone would be the fourth biggest climate polluter in Maryland. However, the liquefaction facility is only one part of a much longer natural gas lifecycle. **The full lifecycle greenhouse gas emissions of the LNG that would be exported from Cove Point are equal to the combined life-cycle emissions of Maryland’s entire coal-fired power plant fleet.**

### Where do lifecycle emissions come from?



## Top Lifecycle GHG Emitters in Maryland



Natural gas is often touted as a “bridge fuel” that can reduce near-term greenhouse gas emissions as the U.S. transitions towards clean energy. However, **the infrastructure involved in exporting natural gas to the rest of the world would make Cove Point the biggest greenhouse gas emitter in Maryland by far.**

### Lifecycle Greenhouse Gas Comparison

**Maryland’s Existing Coal Fleet - 20,637,875 tons/yr.**

**Proposed Cove Point Facility – 22,642,033 tons/yr.**

## Emission Ranges

What’s more, 22.6 million tons is a very conservative estimate for Cove Point’s lifecycle greenhouse gas emissions. This analysis assumed a very low leakage rate of 1.4% and measured leaked methane emissions over a 100-year timeframe.

If the leakage rate for Cove Point’s gas is higher than 1.4%, and if the climate-forcing properties of leaked gas are measured more appropriately over a 20-year timeframe, the emissions profile of Cove Point increases drastically.

Source	Leakage Rate	100-year Timeframe		20-year Timeframe	
		GHG Emissions (tons)	GHG Emissions (lbs/Mmbtu)	GHG Emissions (tons)	GHG Emissions (lbs/Mmbtu)
EPA 2012	1.4%	<b>22,642,033</b>	<b>157</b>	<b>26,151,261</b>	<b>182</b>
Howarth, 2011 - low	1.7%	<b>22,885,044</b>	<b>160</b>	<b>27,067,674</b>	<b>189</b>
EPA 2010	2.4%	<b>23,881,815</b>	<b>164</b>	<b>29,748,288</b>	<b>205</b>
Howarth, 2011 - mid	3.6%	<b>25,350,357</b>	<b>173</b>	<b>34,167,773</b>	<b>234</b>
Howarth, 2011 - mid	6.0%	<b>28,036,125</b>	<b>192</b>	<b>42,587,490</b>	<b>291</b>
Howarth, 2011 - high	7.9%	<b>30,506,121</b>	<b>205</b>	<b>49,701,079</b>	<b>333</b>

