



AB 2195: Out-of-State Greenhouse Gas Emissions from Imported Natural Gas

DECEMBER 8, 2020

AB 2195: Text of Provision

“Quantify and publish annually...the amount of greenhouse gas emissions...resulting from the loss or release of uncombusted natural gas to the atmosphere and emissions from natural gas flares...of natural gas that is imported into the state from out-of-state sources.”

Included and Excluded Emissions

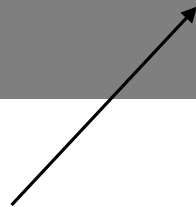
	Included	Excluded
Types	<ul style="list-style-type: none">• Fugitive and vented CH₄• Flaring CO₂, CH₄, and N₂O	<ul style="list-style-type: none">• Fugitive and vented CO₂• Combustion (non-flaring)• LNG processes
Stages	<ul style="list-style-type: none">• Exploration• Production• Processing• Transmission and Storage	<ul style="list-style-type: none">• Distribution• Use

Emissions Calculation

2018 US EPA GHGI Natural Gas Systems



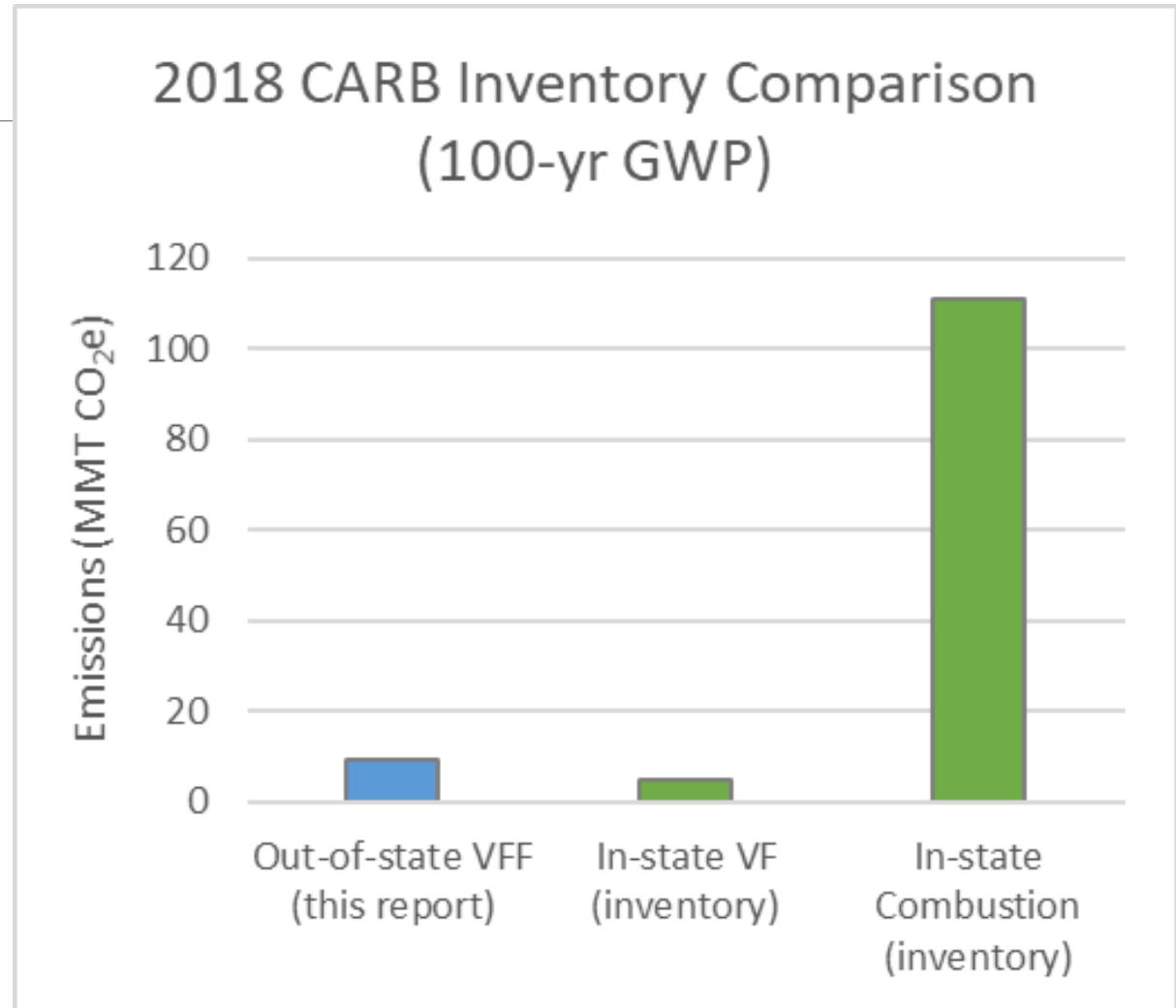
$$\frac{\text{US Emissions}}{\text{US Production}} * \text{CA Imports} = \text{CA Import Emissions}$$



2018 EIA Natural Gas Production (excluding associated gas) and Imports

Results

GWP Time Horizon	2018 GHG Emissions Estimate (MMT CO ₂ e/yr)
100-yr	9.4
20-yr	25.4



Conclusion

- Out-of-state emissions important to total impact of gas consumption
 - Total out-of-state vented, fugitive, and flaring emissions exceed those same emissions from in-state produced gas
 - Smaller than emissions from combusting the gas (100-yr GWP)
- Future versions of the report may include regional specificity and draw on new data sources as they become available

Questions?

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- [Direct Link to Report](#)
- GHG Inventory URL: ww2.arb.ca.gov/ghg-inventory-data