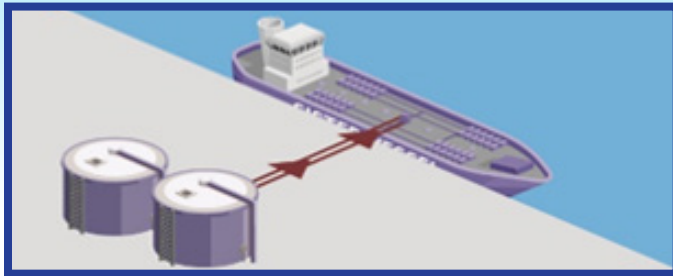


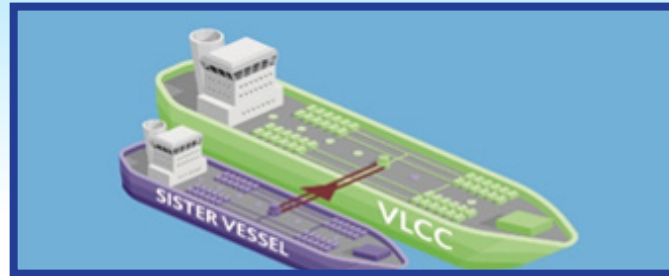
## BWTX is Best for Air Quality

- If built, our project would reduce the need for offshore reverse lightering operations.
- Most crude export from the U.S. Gulf Coast is loaded onto ships with vapor controls from an onshore facility, and then loaded for a second time without emissions controls onto a larger tanker.
- This “double-handling” and the need for more support vessels results in approximately five times the NO<sub>x</sub>, CO, SO<sub>2</sub>, particulate, and greenhouse gas emissions per load.
- Emissions from this loading process, called reverse lightering, are already taking place in the offshore waters of the Coastal Bend.

## Current Operations



1. Crude is loaded onto ships from dock with vapor control from an onshore facility.



2. Loaded a second time without emissions control onto a larger tanker (two support vessels not shown).



There are 600 buoys operating in the world today. None of them have vapor control technologies.



For more information, visit our website!

## BWTX will Not Impair Regional Air Quality

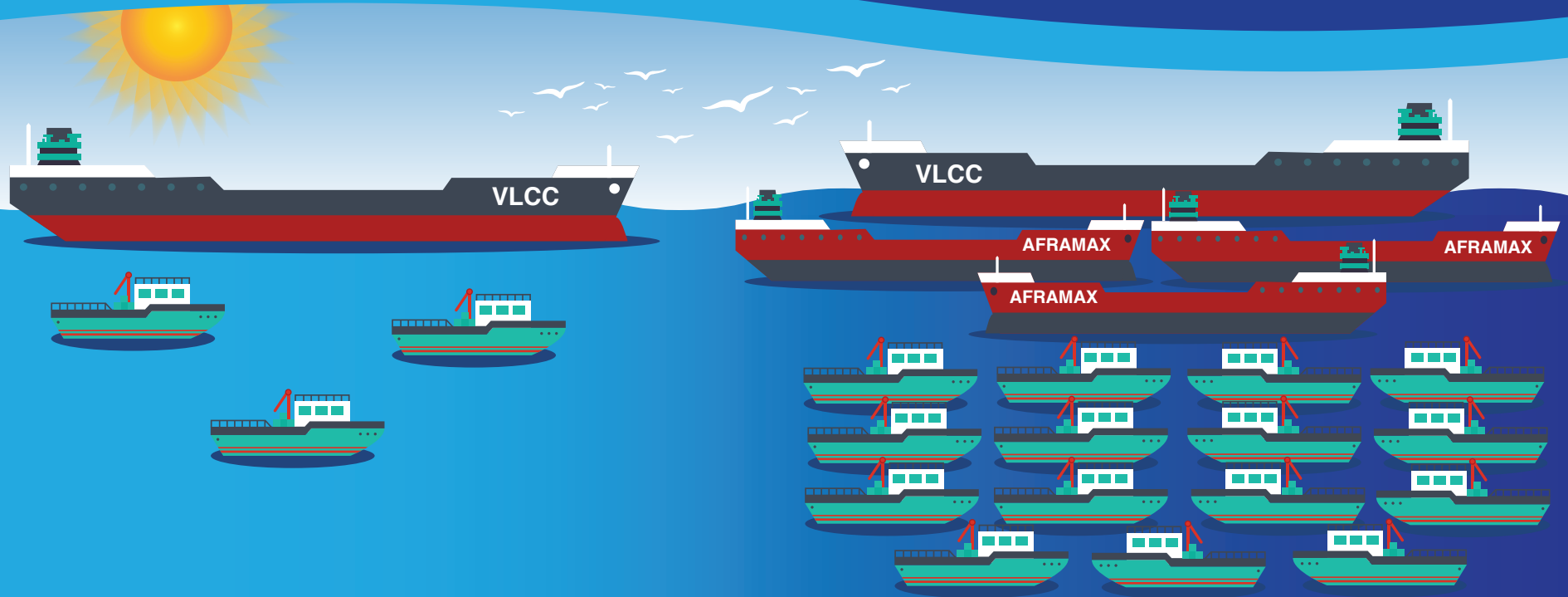
- The EPA requires the project to account for the emissions from loading of VLCCs in its calculations and has evaluated the project's air emissions, conducted a public hearing and a comment period.
- Air modeling and other studies performed as part of the rigorous permitting process demonstrate that the BWTX project will neither affect the Corpus Christi area National Ambient Air Quality Standards Attainment status, nor would it impair air quality and public health.

## Keep it Offshore

- BWTX project has slightly less emissions of criteria pollutants than the current reverse lightering activities because of the reduction in transportation and support vessels.
- The greenhouse gas emissions estimated for BWTX are approximately 90% lower than reverse lightering.
- Loading crude at a deepwater port is a safer, more efficient alternative to reverse lightering while also reducing nearshore ship traffic and inshore port congestion.



# BWTX is Better for Air Quality



## BWTX

Emission Sources

- 1 VLCC
- 3 Support Vessels



More Efficient, Safer, Less Traffic



Lower Spill Risk



90% Lower Greenhouse Gases

## Reverse Lightering

Emission Sources

- 1 VLCC
- 3 Shuttle Tankers
- 15 Support Vessels



Less Efficient, More Traffic



Higher Spill Risk



Higher Greenhouse Gases