



# Air Quality Briefing Note

**Date:** December 2020  
**Issued by:** Prince George Refinery  
**Agency:** Tidewater Midstream and Infrastructure Ltd.



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## Description

Each member of PGAIR is requested to provide an annual update on implementation activities related to the 5-Year Strategic Plan. Tidewater Midstream and Infrastructure Ltd. activities (existing and planned) pertaining to the Prince George Refinery are provided below.

### PM 2.5 Goal:

To achieve an annual particulate matter average concentration of 8 micrograms per cubic meter of air, with an aspirational goal of 5 micrograms per cubic meter.

## Questions

### What have you done in the last 12 months to support the Strategic Plan goals?

- Blended renewable low-carbon liquids (ethanol and biodiesel) into sales gasoline and diesel which reduces emissions related to regional consumption of transportation fuels. Studies indicate that biodiesel combustion produces less particulate matter than conventional diesel fuel.
- Completed a project in partnership with 'CleanBC Program for Industry' which aims to reduce greenhouse gas emissions from industries across the province. This project included installation of a flare flow meter for improved output measurement and enhanced steam control resulting in lower greenhouse gas emissions, particulate matter and VOCs.
- Conducted equipment inspections, maintenance and thorough cleaning to ensure continued efficient refinery operation.
- Continued reductions in onsite vehicle traffic on unpaved roads via vehicle permitting and use of pedal tricycles by our workers.

### What are you planning to do in the next 12 months?

- Complete upgrades to a process heater burner management system resulting in reduced fuel usage and less emissions.

- Implementing a project which co-processes renewable feedstocks such as canola with conventional petroleum feedstocks in the refinery to produce lower carbon intensity fuels. This will result in lower carbon intensity in the regional transportation fuels supplied from the Tidewater Prince George Refinery.
- Product storage tank upgrades resulting in lower VOC emissions.
- Continued partnership with the 'CleanBC Program for Industry' to identify emission reduction opportunities.
- Begin implementing measures to meet the new Environment and Climate Change Canada *Reduction in the Release of Volatile Organic Compounds Regulations*. This regulation will enhance our existing Leak Detection and Repair Program (LDAR) at the Prince George Refinery.

**What is your long-term plan to meet the 2017-2021 goal?**

- Continue to develop opportunities to provide more clean burning, low-carbon fuel choices to further lower the GHG impact of the transportation fuels we supply.

**Please indicate your self-assessed progress during the past 12 months:**

Low

Medium

High