

New Generation Wide Base Single Tires (NGWBST) Limited Pilot

Alberta Transportation has is proceeding with a limited pilot program to confirm, under operating conditions, the fuel efficiency of New Generation Wide Base Single Tires (NGWBST). NGWBST are an extra wide, single tire alternative to the conventional two tire configuration.

The pilot will allow vehicles with NGWBST to carry up to the maximum allowable axle loads as allowed on a two tired configuration. This initial pilot will be specific to Westcan Bulk Transport in a limited capacity on a specific route between Edmonton and Calgary. Taking place between July 1 and August 31, 2016, Alberta Transportation and the Alberta Motor Transport Association will be tracking fuel consumption data. This data will help inform the Government of Alberta in future policy decisions regarding this technology.

Frequently Asked Questions

Q. What are New Generation Wide Base Single Tires?

A. NGWBST are an extra wide, single tire alternative used on large trucks in place of dual-tire configurations.

Q. Why would a shipping company decide to use NGWBST?

A. NGWBST are more fuel efficient than the dual-tire configuration, which can lead to reduced greenhouse gas emissions.

Q. How much fuel reduction is expected?

A. Establishing the data requirements to determine the net fuel reduction by allowing this change is the purpose of the pilot. The data captured will help establish the expected fuel efficiency and potential greenhouse gas emission reductions moving forward.

Q. Why is the Government of Alberta (GoA) engaging in this pilot?

A. Reduced fuel consumption as a result of trucks using NGWBST would help the GoA meet its Climate Leadership Plan policy to reduce greenhouse gas (GHG) emissions.

Q. Why is there an axle load restriction on vehicles with NGWBST?

A. The current axle load limits on NGWBST are in accordance with a national [Memorandum of Understanding on Vehicle Weights and Dimensions](#). NGWBST are generally more damaging to pavements, meaning their adoption could require more frequent highway repaving. The pilot will help establish the expected balance between the costs and advantages.

Q. Will all Alberta-based shippers be switching to NGWBST?

A. No. This pilot will only run for two months and will be specific to Westcan Bulk Transport. Westcan will have 98 trips per week (14 per day) running on one specific route from Edmonton to Calgary. This

pilot will limit the number of variables to measure, allowing for easy-to-decipher data. An expanded pilot including more routes and carriers may be considered after the first two months.