



Tesoro Refining & Marketing Company LLC  
19100 Ridgewood Parkway  
San Antonio, TX 78259  
Telephone: (210) 626-6000

**July 31, 2020**  
[Sent Via Email]

Karlene Fine  
Executive Director  
North Dakota Industrial Commission

**RE: Tesoro Refining & Marketing Company LLC Renewable Energy Contract**

Dear Ms. Fine,

In conjunction with Contract No. R-033-042, section 2b (Semi-Annual Report), Marathon Petroleum Corporation kindly submits the following information in compliance with Section 5.11 of the North Dakota Industrial Commission – Renewable Energy Development Program Policies.

**Historical Summary of the Project**

This project provided the capability to co-process up to 5% of soybean oil, (16,800 gallons/day), with conventional crude diesel feedstock in the Andeavor Dickinson Refinery's existing Diesel Hydrotreater Unit.

The Project scope included:

- Modification of an existing 1.26-million-gallon storage tank for storing soybean oil feed – this includes, tank internal cleaning, installing nitrogen blanketing to prevent soybean oil oxidation and installation of emergency pressure/vacuum relief.
- Modification of an existing crude oil truck unloading station for soybean oil service – this includes piping modifications and the electrical heat tracing and insulation of pipe and equipment.
- Installation of 1,100 feet of new 4" pipe, electrically heat traced and insulated, to route the soybean oil from the truck unloading station to the storage tank. And electrically heat trace and insulate 1,240 feet of existing 4" pipe to enable transfer of the soybean oil from tankage to the Diesel Hydrotreater Unit.
- Installation of a new control valve station and flow meter for soybean oil feed control to the existing Diesel Hydrotreater Unit
- Replacement of the reaction catalysts in the existing Diesel Hydrotreater Unit Reactors.

**Summary of Operations**

In March of 2020, Dickinson refinery completed P40 winter diesel production and transitioned from P40 to a seasonal blend. Beginning November 2020, the refinery will produce 100% renewable diesel product.