

GATEWAY TO SCIENCE ETHANOL EXHIBIT

Status Report: Contract R-027-036

Provided April 15, 2019

For the period of Oct. 1-Dec. 31, 2018 and Jan. 1-March 31, 2019

Provided by the North Dakota Ethanol Council

Objectives

The objectives of this project are: 1) to increase the long-term use of ethanol in North Dakota by educating students, parents and educators in the region on the benefits of ethanol to the economy, environment and energy independence; and 2) to ensure the future of the ethanol industry workforce by engaging students, parents and educators in the lifecycle of ethanol production, specifically the scientific process of converting an agricultural product, which is a growing source of sustainable energy, into high-value co-products, including ethanol and distillers grains.

In addition to the North Dakota Ethanol Council (NDEC), partners in the program are Gateway to Science (GTS) and Science Museum of Minnesota (SMM), as well as ethanol industry stakeholders including: CTE Global Inc, Dupont, Gaviion, Growth Energy, Lallemand and New Age Cryo.

The strategy that will be implemented to meet the objectives is the installation of a hands-on, interactive, ethanol-specific exhibit to be utilized as a pilot at the current facility and then permanently installed at the new GTS facility in Bismarck, ND, which is scheduled to open in 2020.

Strategy Progress

From October 1, 2018 through December 31, 2018, 1,686 guests visited the Gateway to Science gallery. For January 1, 2019 through March 31, 2019, gallery visitors totaled 2,084. Gateway to Science hosted group visits from MOPS of Evangel, Hazen Elementary, ND Farmers Union, Missouri Valley YMCA Youth Development Centers, White Shield School, Roosevelt Elementary, Cathedral School, Mary Stark Elementary, Innovation School, Naughton School, Center-Stanton Elementary, Brentwood Adventist Christian School, Christ the King School, Hope Christian Academy (Dickinson), and several homeschooling associations. During this period, Bismarck Mayor Steve Bakken toured Gateway to Science and had the opportunity to interact with the ethanol exhibit, as did several North Dakota legislators.

On October 10, 2018, a group of preservice teachers from University of Mary joined us for their annual Day of Service. They compiled a guide for educators visiting Gateway to Science that connects our exhibits (including the ethanol exhibit) to North Dakota Science Standards: <https://gatewaytoscience.org/wp-content/uploads/2018/10/18.10.9-Gallery-Exhibit-Standards-Assessment-Promo.pdf>.

There are no expenses to submit for this reporting period.