

GATEWAY TO SCIENCE ETHANOL EXHIBIT

Status Report: Contract R-027-036

Provided April 9, 2018

For the period of Jan. 1-March 31, 2018

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, Gavilon, 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 2018.

Strategy Progress

During this reporting period, 2,346 guests visited the gallery, including field trips/group visits from Naughton Elementary, Turtle Lake-Mercer, Christ the King, Little Heart Elementary, The Innovation School, Burdick Job Corps Center, Theodore Jamerson Elementary, Standing Rock Middle School and two homeschool groups.

Gateway to Science met with North Dakota Ethanol Council on March 1 to discuss adding video content to the ethanol exhibit. Growth Energy has given us permission to use a video about the American Ethanol NASCAR team for the exhibit. Gateway to Science and North Dakota Ethanol Council will work together to produce additional videos (e.g., a look inside an ethanol plant or a farmer feeding cows distillers grain) in the coming months. Finally, we will coordinate with Science Museum of Minnesota to integrate the video content into the exhibit with QR codes or other technology.