

**GATEWAY TO SCIENCE ETHANOL EXHIBIT**  
**Status Report: Contract R-027-036**  
**Provided Oct. 15, 2018**  
**For the period of July 1-Sept. 30, 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, 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 2019.

**Strategy Progress**

During this reporting period, 2,574 guests visited the gallery, including numerous daycare and summer program groups. Gateway to Science hosted 11 weeks of STEM Adventure Camp over the summer. All campers had multiple opportunities to explore the exhibit gallery and interact with the ethanol exhibit.

Gateway to Science is working to incorporate video content in the ethanol exhibit. It has started conversations with Microsoft and other vendors about how to best utilize virtual or augmented reality technology.