

Contract No. G-049-094
“Weather Information System to Effectively Reduce Oilfield Delays and Disruption
And
Supplement to Secure Meteorological Services”

Submitted by: Western Dakota Energy Association (WDEA)

Principal Investigators: Geoff Simon/Brent Bogar

PARTICIPANTS

Sponsor

WDEA

WDEA

North Dakota Industrial Commission/OGRC Funding

Total Project Cost

Cost Share

\$375,000.00 (Cash)

\$ 63,500.00 (In-kind)

\$310,000.00 (Cash)

\$748,500.00

Project Schedule – 24 months

Contract Date – March 9, 2020

Start Date – June 1, 2019

Project Deliverables:

Status Report: November 1, 2019

Status Report: May 1, 2020

Status Report: November 1, 2020

Status Report: May 1, 2021

Final Report: November 30, 2021

OBJECTIVE/STATEMENT OF WORK:

This project will fund 25 of 50 research-grade weather monitoring equipment (weather stations) to be deployed throughout the oil-producing counties with initial siting in the top four producers - Dunn, McKenzie, Mountrail and Williams Counties. These stations will accurately record weather data, which will in turn be used as a management tool to reduce the scope and duration of weather-related road restrictions that impede the movement of truck traffic associated with the oil industry. The project will leverage the research expertise of two outreach centers of North Dakota State University to ensure the data collected is accurate and accessible. The goal of the Wise Roads project is to provide real-time weather information, especially precipitation data, to allow county/township road managers to more precisely identify those roads that require temporary restrictions, and more importantly, exclude those that do not. The stations collectively will generate an immense amount of data, the proper utilization of which will deliver multiple identifiable benefits. Because of the amount of data and information that will be generated, to fully realize the benefits the data can provide WDEA determined, in consultation with NDAWN, that it was necessary to secure the services of a full-time professional meteorologist. The meteorologist will collaborate with county/township road managers in the oil producing counties to make appropriate use of the weather station data in determining if, when, and where road restrictions are necessary. This project includes funding to support this meteorologist position.

STATUS

Contract has been executed.

Updated 4/9/2020