

“Expansion of EERC’s Gathering Pipeline Leak Detection Demonstration Project”

Submitted by:

**Energy & Environmental Research Center
(EERC)**

- ☐ Request for - \$248,559; Total Project Costs - \$248,559
Project Duration: 15 months**

PROJECT DESCRIPTION

- The EERC proposes a project to expand the original scope of the previously awarded and legislatively directed “Produced Fluids Gathering Pipeline Study.” The project expansion will accomplish two tasks: 1) create and populate a Web-based database to facilitate matches between commercially available pipeline technology and the needs of liquid gathering pipeline operators in North Dakota and 2) include newly identified industrial partners and leak detection technology in the already-under-way pipeline leak detection system demonstration project.
- The goal of this project expansion is to bridge the gap in understanding between capabilities claimed by vendors of pipeline technology and true operational needs of gathering pipeline operators. The results of the proposed work will encourage and facilitate adoption of commercially available and emerging technologies by liquids gathering pipeline operators in North Dakota to attain improvements in leak/spill incidents, volumes, and environmental impacts. The project will also serve to inform policy makers on technical issues related to suitability (or unsuitability) of various technologies to specific application on liquids gathering pipeline designs, thus helping to better understand the claims made by many vendors in this space.

TECHNICAL REVIEWERS' RATING SUMMARY

		Technical Reviewer			
Statement	Weighting Factor	<u>G-39-04A</u>	<u>G-39-04B</u>	<u>G-39-04C</u>	<u>Average Weighted Score</u>
Objectives	9	4	4	4	36
Achievability	7	4	4	4	28
Methodology	8	3	4	4	29
Contribution	8	3	4	3	26
Awareness / Background	5	4	4	3	18
Project Management	3	4	4	3	11
Equipment / Facilities	2	3	3	4	6
Value / Industry-Budget	4	4	3	4	14
Financial Match – Budget	4	3	1	3	9
Average Weighted Score		178	182	180	180
Maximum Weighted Score				250 possible points	

TECHNICAL REVIEWER TOTALS

- G-39-04A

Average Weighted Score: 178 out of 250

FUNDING TO BE CONSIDERED

- G-39-04B

Average Weighted Score: 182 out of 250

FUND

- G-39-04C

Average Weighted Score: 180 out of 250

FUND

DIRECTOR'S RECOMMENDATIONS

**To fund in the amount of \$ 248,559.00.
Because this was a legislative directed
project no match funding is being required.**