

Intelligent Pipeline Integrity Program (iPIPE)

Submitted by:

Hess Corp., Statoil ASA, and Oasis Midstream Partners

- ❑ Request for - \$1,600,000; Total Project Costs - \$3,714,000
Project Duration: 44 months**

PROJECT DESCRIPTION

- A core group of pipeline operators proposes an R&D program focused on advancement of emerging technology to prevent and detect pipeline leaks. The proposed work will lead to development and application of new tools that will assist industry's ongoing efforts to continuously improve pipeline integrity, thus reducing leaks and spills. and Madison conventional oil fields in North Dakota.
- Multiple field demonstrations of emerging technologies on working pipelines will simultaneously assist technology providers in refining designs, pave a path toward full commercialization in the North Dakota market, prepare pipeline operators for adoption of the new tools, and effectively decrease the number and volume of spills experienced in North Dakota. With demonstrated success, additional consortium members (pipeline operators) will join the effort, thus enabling field testing of more technologies and further proliferating new technology among all pipeline operators.
- The goal of this intelligent Pipeline Integrity Program (iPIPE) is to develop and demonstrate cutting-edge technology that can prevent and/or detect gathering pipeline leaks. This goal will be supported by accomplishment of the following objectives:
 - Select the most promising emerging (near-commercial) technologies for demonstration • Demonstrate multiple technologies on working gathering pipelines
 - Document results of technology demonstrations
 - Facilitate adoption of technologies into North Dakota pipeline operations

TECHNICAL REVIEWERS' RATING SUMMARY

		Technical Reviewer			
Statement	Weighting Factor	<u>G-46-01A</u>	<u>G-46-01B</u>	<u>G-46-01C</u>	<u>Average Weighted Score</u>
Objectives	9	4	3	4	27
Achievability	7	4	2	5	21
Methodology	8	3	3	5	24
Contribution	8	5	4	4	32
Awareness / Background	5	5	5	5	25
Project Management	3	4	3	4	9
Equipment / Facilities	2	4	3	5	8
Value / Industry-Budget	4	4	5	5	16
Financial Match – Budget	4	4	3	5	16
Average Weighted Score		205	169	230	201
Maximum Weighted Score				250 possible points	

TECHNICAL REVIEWER TOTALS

- G-46-01A

Average Weighted Score: **205 out of 250**

FUND

- G-46-01B

Average Weighted Score: **169 out of 250**

FUNDING TO BE CONSIDERED

- G-46-01C

Average Weighted Score: **230 out of 250**

FUND

DIRECTOR'S RECOMMENDATIONS

- **To further define the term and parameters of confidential reporting.**
- **To provide, at a minimum, annual presentations to the Oil and Gas Research Council and possibly the Industrial Commission.**
- **To fund in the amount of \$1,600,000 with no additional contingency funding. Additional funding could be requested through the regular process.**