

Technical Reviewers' Rating Summary

Proposal Number **G-032-06** Application Title **Assessment of the Oil and Gas** Submitted By **NDSU**
 Request For **\$217,400.00** Total Project Costs **\$217,400.00**

Section A. Scoring

Statement	Weighting Factor	G-032-06a	G-032-06b	G-032-06c	Average Weighted Score
1. Objectives	9	5	3	4	36
2. Achievability	7	4	3	5	28
3. Methodology	8	4	3	5	32
4. Contribution	8	5	3	2	24
5. Awareness / Background	5	5	4	3	20
6. Project Management	3	4	2	3	9
7. Equipment / Facilities	2	5	4	3	8
8. Value / Industry - Budget	4	4	3	3	12
9. Financial Match - Budget	4	3	1	1	4
Average Weighted Score		220	146	173	179
	Total: 50				250 possible points

OVERALL RECOMMENDATION

FUND **X** **X**
 FUNDING TO BE CONSIDERED **X**
 DO NOT FUND

Section B. Ratings and Comments

- The objectives or goals of the proposed project with respect to clarity and consistency with North Dakota Industrial Commission/Oil and Gas Research Council goals are:

No comment
 - Reviewer: G-032-06a
 - Rating: 5

Supports priorities of promoting public awareness and developing baseline information.

- Reviewer: G-032-06b
- Rating: 3

The goal of understanding the current population and expected growth in the oil impacted area of ND is well spelled out. These numbers are very important to development and governmental decision-making.

- Reviewer: G-032-06c
- Rating: 4

2. With the approach suggested and time and budget available, the objectives are:

No comment

- Reviewer: G-032-06a
- Rating: 4

No comment

- Reviewer: G-032-06b
- Rating: 3

They have a proven track record of carrying out this type of assessment several times and the results have been widely distributed and used in ND.

- Reviewer: G-032-06c
- Rating: 5

3. The quality of the methodology displayed in the proposal is:

No comment

- Reviewer: G-032-06a
- Rating: 4

Methodology for gathering data aligns with activity necessary for collecting the data.

Methodology for extrapolating is not defined. This might be difficult, given the layers and nuances of workforce in the oil patch.

- Reviewer: G-032-06b
- Rating: 3

The methods used are tried methods. The procedures are widely used and accepted. The protocols for their use are reviewed and approved by a Review Board.

- Reviewer: G-032-06c
- Rating: 5

4. The scientific and/or technical contribution of the proposed work to specifically address North Dakota Industrial Commission/Oil and Gas Research Council goals will likely be:

No comment

- Reviewer: G-032-06a
- Rating: 5

While the information is highly desirable, it's fit with the goals of this grant program is limited.

- Reviewer: G-032-06b

- Rating: 3

No real new scientific or technical contribution from this work, but the data is critical to development and planning for the State of ND. As Energy Impact coordinator, I am using previous work along these lines quite a bit when talking to various entities.

- Reviewer: G-032-06c

- Rating: 2

5. The background of the principal investigator and the awareness of current research activity and published literature as evidenced by literature referenced and its interpretation and by the reference to unpublished research related to the proposal is:

No comment

- Reviewer: G-032-06a

- Rating: 5

No comment

- Reviewer: G-032-06b

- Rating: 4

Plenty of experience by the PI and certainly capable of making this assessment a success.

- Reviewer: G-032-06c

- Rating: 3

6. The project management plan, including a well-defined milestone chart, schedule, financial plan, and plan for communications among the investigators and subcontractors, if any, is:

No comment

- Reviewer: G-032-06a

- Rating: 4

Limited milestone/timeline information. Chart on page 12 for a previous application or just a typo (starts Jan 2013, ends March 2014)?

- Reviewer: G-032-06b

- Rating: 2

The Timetable chart does show starting in Jan 2013 and finishing in Mar 2014, but I'm certain this was meant to be 2014/15 for the years. The chart and finances are spelled out and not complicated.

- Reviewer: G-032-06c

- Rating: 3

7. The proposed purchase of equipment and the facilities available is:

Research will use existing facilities and equipment at NDSU.

- Reviewer: G-032-06a

- Rating: 5

No proposed purchases; aligns with normal research costs.

- Reviewer: G-032-06b

- Rating: 4

NDSU has all the equipment and facilities to carry out the work, so nothing additional is needed.

- Reviewer: G-032-06c

- Rating: 3

8. The proposed budget “value”¹ relative to the outlined work and the commitment from other sources is of

No comment

- Reviewer: G-032-06a

- Rating: 4

Costs appear aligned with similar projects. Value in relation to I/C goals is limited.

- Reviewer: G-032-06b

- Rating: 3

The budget is very well spelled out; containing the entire cost of the project, with no help from others.

- Reviewer: G-032-06c

- Rating: 3

9. The “financial commitment”² from other sources in terms of “match funding” have been identified:

Meets minimum requirements

- Reviewer: G-032-06a

- Rating: 3

No indication of match? Budget shows NDIC share of \$149,931, but cover sheet indicates a request of \$217,400 (which would include the indirect costs identified on the budget).

- Reviewer: G-032-06b

- Rating: 1

No funds from other sources.

- Reviewer: G-032-06c

- Rating: 1

1 “value” – The value of the projected work and technical outcome for the budgeted amount of the project, based on your estimate of what the work might cost in research settings with which you are familiar. A commitment of support from industry partners equates to a higher value.

2 “financial commitment” from other sources – A minimum of 50% of the total project must come from other sources to meet the program guidelines. Support less than 50% from Industrial Commission sources should be evaluated as favorable to the application; industry partnerships equates to increased favorability.

General Comments

The outcomes of this research proposal will be extremely valuable to a variety of stakeholders.

- Reviewer: G-032-06a

If the methodology for projections is sound (not clearly identified in proposal), the data will be widely useful. However, not tightly aligned with the goals of the I/C.

- Reviewer: G-032-06b

The results of this assessment are widely sought by a host of people involved with the rapid expansion of the oil & gas industry in ND. The data from a good comprehensive look will help all involved. I think this is noted by the support letters from the NDPC and the NDOGPC's. 90% of the current activity and production is from five counties (Divide, Mountrail, McKenzie, Williams, & Dunn). A good evaluation in these areas, especially McKenzie county (the biggest impact) is necessary. Having a good grasp on what the permanent population demographics may be is critical. The only drawback to the this whole project is the lack of other funds supporting it, but again, the data is needed.

- Reviewer: G-032-06c