

Energy Curriculum Project

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OGRCMEETING • AUG 20, 2013

HISTORY

- **EmPower ND** – Appointed delegates from all energy sectors in ND to assist the Legislature and Governor on advancing all forms of energy in ND
- Two consistent themes from ND for 2013
 - **HOUSING**
 - **WORKFORCE**

WORKFORCE SUBCOMMITTEE

- Attract ND students to the energy industries for sustainability
- Input from gov't agencies, educators at all levels, regulatory groups and many other stakeholders
- Consensus
 - Interest students early
 - Improve existing materials to lead toward STEM
 - Best opportunity – 4th and 8th grade ND Studies

FUNDING CONSIDERATIONS

- Direct funding through legislature
 - Concept supported by legislature
 - Leadership requested funding be directed through existing allocations to Lignite and Oil & Gas
- Lignite Research Council and Oil & Gas Research Council
 - Grant round determined to be the appropriate vehicle
 - Required industry match achieved

PROJECT DETAILS

- BSC-lead project teams, driven by educator input
 - Delivery
 - Curriculum
 - Industry
- Industry match – cash and in-kind
 - \$250,000 total
 - \$125,000 Lignite industry (LRC Grant + 11 companies)
 - \$125,000 Petroleum industry (OGRC + NDPC)

PROJECT STAKEHOLDERS

- EmPower Commission
- Energy Industry
- State Historical Society of North Dakota
- Bismarck State College – Energy Corridor
- Department of Public Instruction:
 - “...we NEED to inform our young students how our energy resources impact our state and ARE IMPACTED by state decisions! I KNOW how critical is we show the PRACTICAL importance of math, science and SKILL TRADES.” – Kirsten Baesler, State Superintendent

PROJECT METHODOLOGY

- Curriculum Development
 - ND Studies experts
 - Teacher focus group
 - Industry input
- Marketing
 - Current ND Studies website/newsletter
 - Tracks hits, pageviews, etc.

PROJECT ACHIEVABILITY

- ND Launch of Common Core State Standards
 - Effective July 1, 2013
 - “Designed to be robust and relevant to the real world, reflecting the knowledge and skills that our young people need for success in college and careers.”
- Overall support of STEM Curricula
- Great interest in energy-related topics

PROJECT AWARENESS

- In addition to project team expertise:
 - National Energy Education Development Project (NEED.org)
 - Houston Museum of Natural Science
 - U.S. Department of Energy
 - ITCND interest in supporting: STEM Network
- Long-established industry resources
 - Lignite Energy Council Teachers Seminar
 - North Dakota Petroleum Council Teachers Seminar

QUESTIONS & CONTACT

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