EDUCATION BASED ECONOMIC DEVELOPMENT

The Iron Range Solution to Talent Development
Strength of Coming Together as a Region
Director of Workforce Development

Applied Learning Institute (ALI)
- Budget: $1 million
- Purpose: Renewal of Technical Education
  - Industrial Technology
  - Construction Trades
  - Pre-Engineering
  - Mechanical Systems
  - Healthcare
  - Technical Math
- Membership: 22 high schools; 5 community and technical colleges

Iron Range Higher Education Committee
- Budget: $1.9 million annually (based on taconite production)
- Purpose: 2- and 4-year graduates; Customized Training
- Iron Range Engineering
- Iron Range Nursing
- Advanced Minnesota
- University Partnerships
- 2-year technical programs

Workforce Development
- Budget: $300,000 annually
- Purpose: Provide grants to local companies for workforce training with a college partner
- Specifically designed to meet the unique needs of individual companies

Education Outreach
- Budget: $50,000 annually
- Purpose: Increase regional career awareness and educational opportunities for teachers and students
- Lee Bloomquist and Joy Rudebusch

Education Innovation Partners
- Budget: Annual funding TBD
- Purpose: Create a world class integrated learning model in Northeast Minnesota
  - Individualized education and career plans
  - Teaching and learning academies
  - Regional Technology plan
- Membership: 21 school districts; 5 community and technical colleges
IRRRB INVESTMENTS

Over $12 million invested in education and talent development.
A Changing Landscape

- Competition for skilled workers
- Increased demand for products and services
- Large Scale Projects on the horizon
- Renewed recognition of regional interdependence
- Retirements
- Decline in emerging workforce/ aging workforce
- Tremendous opportunities
Percent Change in NORTHEAST, MN

Source: U.S. Census Bureau

-30.0%
-20.0%
-10.0%
0.0%
10.0%
20.0%
30.0%
40.0%
50.0%
60.0%

"Future Workforce Entrants"  ↓ 4.7%  ↑ 27%  Declining Pool of "Skilled Workers"  The "Baby Boom" & Older Population

Percent Change in NORTHEAST, MN
Projected Population by Age Group (2005-2025)
Source: U.S. Census Bureau

-40.0%  -20.0%  0.0%  20.0%  40.0%  60.0%  80.0%  100.0%

"Future Workforce Entrants"  The "Echo Boom"  Declining Pool of "Skilled Workers"  The "Baby Boom" & Older Population

↓ 5.5%  ↑ 60.4%
<table>
<thead>
<tr>
<th>County</th>
<th>2008 Seniors</th>
<th>2015 Seniors</th>
</tr>
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<tbody>
<tr>
<td>Aitkin</td>
<td>194</td>
<td>150</td>
</tr>
<tr>
<td>Carlton</td>
<td>534</td>
<td>433</td>
</tr>
<tr>
<td>Cook</td>
<td>72</td>
<td>52</td>
</tr>
<tr>
<td>Itasca</td>
<td>579</td>
<td>474</td>
</tr>
<tr>
<td>Koochiching</td>
<td>122</td>
<td>112</td>
</tr>
<tr>
<td>Lake</td>
<td>122</td>
<td>94</td>
</tr>
<tr>
<td>St. Louis</td>
<td>2,322</td>
<td>1,816</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>3,945</strong></td>
<td><strong>3,131</strong></td>
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SKILLS = OPPORTUNITY
THE APPLIED LEARNING INSTITUTE

A Renewal of Secondary Technical Education in Northeastern Minnesota
PROGRAMS OF STUDY:

• Industrial Technology
• Pre-Engineering
• Construction Trades
• Advanced Automotive
• Health Care
Enacted in 2008.
$.05 per ton taconite production tax.
Five-member board.
Advise Commissioner of IRRRB.
Sector Specific Program Development:

- Mining
- Pulp and Paper
- Power Generation
- Iron Range Engineering
- Iron Range Nursing
Advanced MINNESOTA

Five colleges. One training solution.

- Rainy River Community College
- Vermillion Community College
- Mesabi Range College
- Hibbing Community College
- Itasca Community College

NHED
Northeast Higher Education District
EDUCATION INNOVATION PARTNERS (EIP)
EIP Call to Action

We call upon the educational and community leaders of Northeast Minnesota, in partnership, to embark on an immediate undertaking to proactively build a homegrown, integrated learning system that provides the 21st Century education deserved by the youth and adult learners of this region.
An integrated learning model for Northeastern Minnesota.

- Individualized Career Plans
- Teaching and Learning Academies
- Regional Technology Plan
QUESTIONS?

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