5 YR GOALS & OUTCOMES

• Increase Population to 82,000 (currently 80,671)
• Increase Per Capita Income to $42,000 (2012-$40,394)
• Decrease Unemployment rate to at or below State Avg. (Currently at WI 6.0%/ MC 6.10% - June 2014)

SHORT TERM GOALS - Through Dec 2015

• Assist in start-up or expansions resulting in $20 Million in investments.
• Cluster Transactions over $500,000
• 20 New Cluster relationships made
ENTREPRENEUR CULTURE PROGRAMMING

Start – Up Support System
- Intro to Entrepreneurship
  - Extreme Entrepreneurship Tour - K-12/Tech School
  - Business Building Blocks
- Entrepreneurship Start-up Support
  - Entrepreneurship Boot Camp
  - Business Planning
  - SCORE
  - SBDC
  - One on One Counseling
- Entrepreneur & Inventors Network (I & E Club)
- Business Assistance Navigator - Access to Resources
- Location assistance
- Regional Business Plan Contest

Business Expansion-Retention Assistance
- Business Assistance Navigator - Access to Resources
- Mentorship Program
- Let’s Talk Business Seminars
- Grant application assistance
- Exporting Assistance-LINKe
- Connect to Regional Programs
ACCELERATE BUSINESS SUCCESS

LAKESHORE INDUSTRY CLUSTER INITIATIVE

- Manufacturing
- Energy
- Dairy
- Local Foods
- Tourism

- Mapping Value Chain
- In-depth Supply Chain Analysis
- Industry Led Business to Business Industry Networking
- Two Way Sourcing Directory
- Strategic Alliances / Policy Education
- Assessing and Leveraging Infrastructure Assets
  - Water-Port Asset
  - Public Utilities – alternative energy generation
- Connecting to Regional Networks/Partners

www.lakeshoreinitiative.webs.com
Regional Biogas Value Chain

Manure

Commercial Waste?

Food Processing By-Products

By-Products Value?

Additional Benefits
- Greenhouse Gas reduction
- Waste Management
- Odor Control
- Sustainability Local
- Ground Water Protection
- Air pathogens
- Reducing Fossil fuel use

Digester Infrastructure
Specs & Cost
- Head 1000-15000
- $1.8 M - $15 M

Co-op Digester Independent Farm
27 in Wisconsin
Fertilizer Value Stays the same

Conditioning

Cleaning CO2 Removal
Cost to build w/digester $4 M

RINS Expertise - value $7 Mil
US Oil / Integris

RINS Value = $3.20 per M Btu

Heating Dry

Propane
Comparison 1.39 gal.
75K BTU/ Gal
$14/m BTU

Electricity

11 sites
3.5 cents KW
10,000 BTU / KW/HR

Cleaning CO2 Removal
Cost to build w/digester $4 M

Value = $48 M

$10/M BTU

Pipeline?
Baldwin WI Build interconnect / Gate Station
Quality - Unknown

Transportation

Collection

Food Processing By-Products

Manure

Commercial Waste?

Value = $48 M

Regional differential value $186 M,
CBG value + fuel value not purchased

Example - Fair Oaks Farm
4 Dairys-14000 cows – central cleaner

Cleaning CO2 Removal
Cost to build w/digester $4 M

Value = $48 M

$10/M BTU

Pipeline?
Baldwin WI Build interconnect / Gate Station
Quality - Unknown

Transportation

Commercial

Site
Corn Dryers

Fleet
75 vehicles
4 partial
$1-$16 M

Vessels

Badger – CNG Preferred Alternative
Marine companies retrofitting vessels

Vessels

Milk Trucks
Schneider
Pabl
Waste Mgmt
Vintor
Veino
UPS

Politics environment needs
to be considered and assessed

High Pressure – 3600 psi

Tube Trucks cost $250,000 to transport CNG

Gas Cheaper than Manure to haul

Additional Benefits
- Greenhouse Gas reduction
- Waste Management
- Odor Control
- Sustainability Local
- Ground Water Protection
- Air pathogens
- Reducing Fossil fuel use

Regional Biogas Value Chain

Digester

Solids

Liquid

Not reviewed during session, needs future analysis

Separator

Co-op Digester Independent Farm
27 in Wisconsin
Fertilizer Value Stays the same

RINS Value = $3.20 per M Btu

Value = $48 M

$10/M BTU

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ACCELERATE BUSINESS SUCCESS

DEVELOP A STRONG CULTURE OF INNOVATION - BUSINESS EXPEDITOR

- Leverage Cluster Supply Chain Analysis
- Business Expeditor System - Identify Business Development Opportunities
  - Collaborative /Influential Leadership
  - Analyze & Advance Investment Opportunities
  - Succession planning
  - Mergers
  - Acquisitions
- Broker Matchmaking
- Access to Capital
ACCELERATE
BUSINESS
SUCCESS

ACCESS TO CAPITAL

• Financial Packaging Assistance
• Public Revolving Loan Funds
  - Cities
  - County
  - State
• Tax Increment Financing
• Enterprise Growth Fund
• Business Expeditor
• Revolving Loan Fund
• Private Investment Committee
• Angel Networks
  - Lakeshore Angels
  - Angels on the Water
THANK YOU!!

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