LAMAR, COLORADO
LOCATED AT THE
HEART OF AMERICA

PORTS TO PLAINS
TRADE CORRIDOR

PRESENTED BY LISA NOLDER
PROWERS COUNTY
DEVELOPMENT, INC.
US287 and US50 at Lamar

Lamar, at the Heart of US50 and Ports to Plains Corridors

Legend:
- Large Cities
- Small Cities
- Interstates
- State Border
- National Border
LAMAR IS LOCATED AT THE HEART OF AMERICA

• US Hwy 50 and US Hwy 287 intersect at Lamar, CO
• Approximately 3000 trucks pass through Lamar daily
• Located at a major trade intersection for Agriculture, Energy and Transportation
• Ideal location for manufacturing, agriculture, energy and transportation companies to expand and locate
PORTS TO PLAINS AS AN IMPORTANT ECONOMIC DEVELOPMENT RESOURCE

- PTP is a valuable economic development resource to Lamar and the surrounding region
- Considered one of Lamar’s primary strengths for economic development
- Provides strength for business retention, expansion and attraction efforts
- New business prospects ASK US about PTP when considering relocation
AWARENESS OF PORTS TO PLAINS

• Local businesses in Lamar and surrounding region have raised awareness of PTP to an international level
• Business owners view the PTP Trade Corridor as an asset to our region and economy
• Several local businesses as well as new prospects have weighed the PTP corridor heavily when considering expansion and location planning
AWARENESS PRODUCES SUCCESS

• Lamar experienced the Neoplan Bus Plant closure in December 2005
• Resulted in 250 sudden loss of jobs
• Bus plant facility was later purchased by a local company who had merged with a local manufacturer
• Company HQ located in Beaumont, TX
• Facility underwent a major retrofit in order to provide space for wind tower manufacturing
• Company diversified with the energy industry and provides manufacturing for the oil, gas, and wind industries
RESULTS DUE TO LOCATION

- Results of the re-purposing of bus plant facility has provided local company better opportunity to access markets
- Currently has ramped up to 165 employees due diversification
- Has increased ability and flexibility to access oil, gas, and wind industry markets with their products
- Hosted international business prospect from Germany who had knowledge of the Ports To Plains Corridor
- LOCATION, LOCATION, LOCATION!!
ECONOMIC ROLE OF RENEWABLE ENERGY IN OUR REGION
WIND ENERGY FOR RURAL ECONOMIC DEVELOPMENT

• PROWERS COUNTY IS HOME TO A VAST AMOUNT OF RENEWABLE ENERGY RESOURCES

• WIND ENERGY HAS BOOSTED THE LOCAL ECONOMY IN A NUMBER OF WAYS FOR:
  ➢ LOCAL BUSINESSES
  ➢ COUNTY TAX BASE
  ➢ SCHOOLS
  ➢ LANDOWNERS
  ➢ COMMUNITY INFRASTRUCTURE
  ➢ ADDED JOB CREATION
COLORADO GREEN WIND FARM

- 162 MW Wind Farm
- Owned by PPM and ShellWind Energy
- 108 1.5 GE Turbines
- Provides power for 50,000 homes
- Commissioned in 2003
- 15 Permanent FTE
- 400 jobs at height of construction
Prowers County reaps $750K per year in property tax revenues.

Herling Construction built 25 miles of roads and excavated 108 turbine foundations.

Mortenson employed 87 people to pour 35,000 yards of concrete.

Gate City Steel employed 14 people to install 45,000 pounds of rebar in each foundation.

Christensen employed 46 people to install 20 miles of underground cable and build the substation.
ENONOMIC BENEFITS CON’T

- Wilson Construction employed 25 people to install more than 50 miles of buried cable and 44 miles of poles and cables to the new substation.
- Ridge Crane devoted 2 cranes to the project for 3 months.
- All Rite Paving & Redi Mix, Inc. supplied concrete for 32 miles of poles and substation.
- Country Acres Motels and RV Park provided housing for construction and was booked solid for months.
ECONOMIC BENEFITS CON’T

- Wallace Gas & Oil provided up to two truckloads per day of fuel and lubricants for the vehicles and heavy equipment on the site
- The Haystack Steak House experienced a 30% increase in business
- Movie rentals increased 20%
- Many other local businesses experienced economic boost from the construction and operation of Colorado Green Wind Farm
LANDOWNER BENEFITS

• Wind energy offers landowners a new cash crop
• Landowner royalties vary, but provide landowners added benefits while still being able to run cattle and farming operations
• “It’s almost like renting out my farm and still having it. And the cows don’t seem to mind a bit…”
• Landowner benefits translates into better local business profits downtown, and boosts the economy on a regional scale
• Minimal effect on farm and ranch operations
John Stulp, Prowers County Commissioner-

“Converting the wind into a much needed commodity while providing good jobs, the Colorado Green Wind Farm is a boost to our local economy and local tax base.”
NREL JEDI: Jobs and Economic Impacts Model

- Download JEDI at [www.nrel.gov/analysis/jedi/](http://www.nrel.gov/analysis/jedi/)
- JEDI models are user friendly tools that estimate the economic impacts of constructing and operating power generation and biofuels plants at the local level
- JEDI has been expanded to biofuels, concentrated solar power, coal and natural gas plants
- Based on industry norms
- Designed to provide reasonable estimates, not exact numbers
WHO USES JEDI?

• JEDI models are used by county and state decision makers, economic developers, public utility commissions, potential project owners, and others interested in economic impacts from new projects

• Advanced users can incorporate specific data to tailor model inputs and refine conclusions
SAMPLE JEDI OUTPUT

- Wind Farm — Project Data Summary based on model default values
- Project Location: COLORADO
- Year of Construction: 2009
- Total Project Size - Nameplate Capacity (MW): 100
- Number of Projects (included in total): 1
- Turbine Size (KW): 1500
- Number of Turbines: 67
- Installed Project Cost ($/KW): $2,043
- Annual Direct O&M Cost ($/KW): $20.00
- Money Value (Dollar Year): 2008
- Installed Project Cost: $204,315,234
- Local Spending: $36,581,782
- Total Annual Operational Expenses: $33,598,101
- Direct Operating and Maintenance Costs: $2,000,000
- Local Spending: $697,527
- Other Annual Costs: $31,598,101
- Local Spending: $869,090
- Debt and Equity Payments: $0
- Property Taxes: $567,590
- Land Lease: $301,500

Local Economic Impacts — Summary Results

- During construction period
  - Jobs
  - Project Development and Onsite Labor Impact: 67
    - Earnings* (in millions): $4.24
    - Output** (in millions): $4.91
  - Construction and Interconnection Labor: 60
    - Earnings: $3.78
  - Construction Related Services: 7
    - Earnings: $0.45
  - Turbine and Supply Chain Impacts: 306
    - Earnings: $11.99
    - Output: $41.47
  - Induced Impacts: 122
    - Earnings: $4.30
    - Output: $14.63
  - Total Impacts: 495
    - Earnings: $20.52
    - Output: $61.02

- During operating years (annual)
  - Jobs
  - Onsite Labor Impacts: 6
    - Earnings: $0.41
    - Output: $0.41
  - Local Revenue and Supply Chain Impacts: 8
    - Earnings: $0.31
    - Output: $1.68
  - Induced Impacts: 7
    - Earnings: $0.23
    - Output: $0.79
  - Total Impacts: 21
    - Earnings: $0.95
    - Output: $2.89

* Earnings include wages and salaries for each category
** Output refers to all dollars flowing into the local economy from project-related activity

Researched by Stephen Hendrickson
COMMUNITY CHALLENGES

- Large traffic volume presents challenges going through the heart of Lamar downtown shopping district
- Main St shops are located right on Hwy 50
- Presents parking challenges
- What is the impact on local businesses?
  - Economic impact on local spending due to parking issues
  - Safety issues – truck traffic poses dangerous circumstances
  - 3000 semi tractor trailers daily
  - This does not include light vehicle traffic
PROPOSED RELIEVER ROUTE

- Reliever route around Lamar would ease safety concerns
- Community discussion: will this have positive or negative impact on downtown shopping area?
- Some business owners are supportive of the reliever route, and some are opposed
- Lamar is host to a wide variety of community events
- These events draw outside traffic and visitors to town
RELIEVER ROUTE BENEFITS

• This would provide better Highway access to some of our manufacturers who require semi tractor trailers for shipment
• Would ease traffic congestion on Main St and shopping district
• Wide loads present significant challenges to traffic
• Parked vehicles have suffered significant damage due to truck traffic
• Double lanes are too narrow for downtown parking and shopping
• Reliever route would provide safer downtown area
TRAFFIC CHALLENGES
POTENTIAL RISK OF DAMAGE TO VEHICLES AND PROPERTY
TRAFFIC VS PEDESTRIANS

- LAMAR is home to several events which provide foot traffic and opportunity to businesses in Lamar, many of which are on Main St
  - 2009 Babe Ruth World Series
  - 2010 Girls Softball World Series
  - Colorado High School Finals Rodeo
  - Colorado Junior Rodeo
  - Lamar Community College Rodeo
  - Annual Snow Goose Festival
  - 2 Shot Goose Hunt
  - Lamar Days
  - Sand and Sage Fair and Rodeo
LAMAR
PORTS TO PLAINS MEMBER

• Diversity in Lamar community provides economic development opportunities

• Community leadership plays an important role in problem solving traffic challenges in our area

• City of Lamar is a member of Ports to Plains and partners with the organization for solution driven answers to challenges and positive response to economic opportunities
RESOURCES

Windustry
2105 First Avenue, South
Minneapolis, MN 55404
(800) 946-3640
www.windustry.com

U.S. Department of Energy
Wind Energy Program
Forrestal Building
1000 Independence Avenue, SW
Washington, DC 20585
(202) 586-5318
www.eere.energy.gov/windpoweringamerica

National Renewable Energy Laboratory
National Wind Technology Center
1617 Cole Boulevard
Golden, CO 80401
(303) 384-6979
www.nrel.gov/wind

American Wind Energy Association
122 C Street NW, Suite 380
Washington, DC 20001
(202) 383-2500
www.awea.org