



Sustainability

Program or Culture?

**6th Annual
Nebraska Wind Conference**
The Cornhusker Hotel
Lincoln, NE

November 13- 15, 2013



A vertical photograph of several white wind turbines against a clear blue sky, positioned on the left side of the slide.

Sustainability is a Consideration in:

- ✓ Resource Planning
- ✓ Capital Budgets
- ✓ Customer Programs
- ✓ Operating Decisions
- ✓ Maintenance Initiatives
- ✓ Communications
- ✓ Purchase of Equipment and Services
- ✓ Rates & Tariffs
- ✓ Customer Consultation
- ✓ Environmental Compliance

“Sustainable Energy Service is Our Culture”

A vertical photograph of several white wind turbines against a clear blue sky, positioned on the left side of the slide.

Sustainability Incorporates:

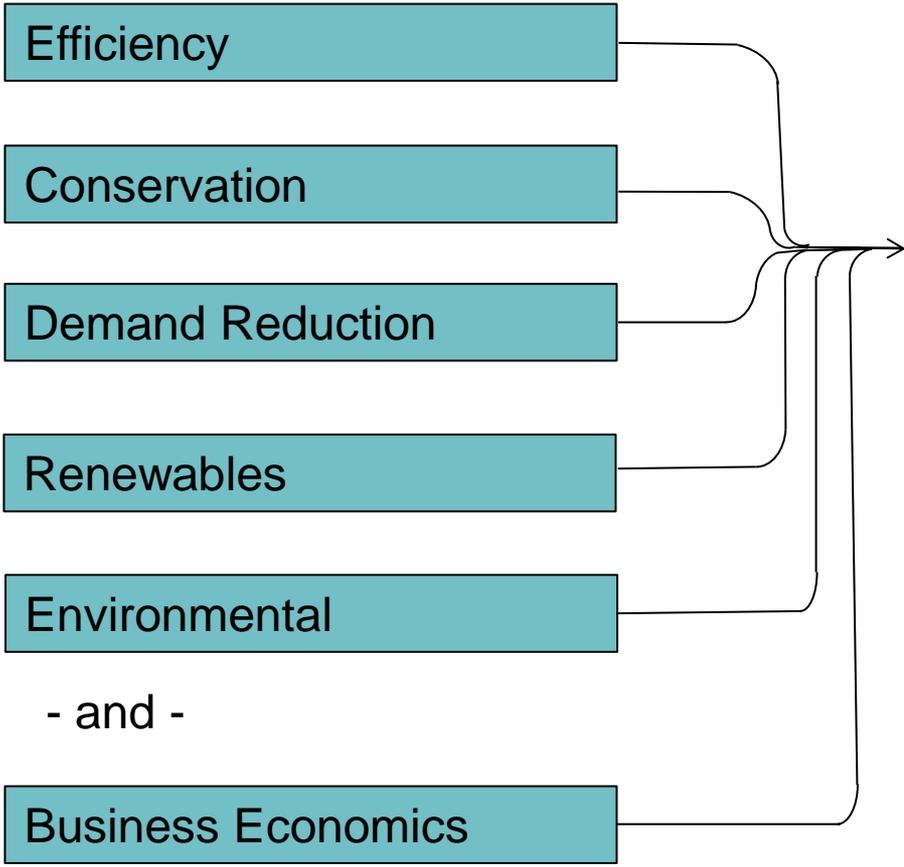
- + Efficiency
- + Conservation
- + Demand Reduction
- + Renewables
- + Environmental Compliance
- + Business Economics

There is an Essential “Competing Tension” in Sustainability Decisions.

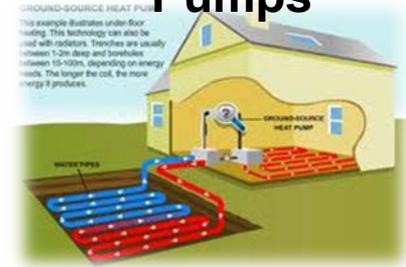


Sustainability Program Analysis

LPS Ground Coupled Heat Pump Systems



School Ground Coupled Heat Pumps



Details:

- ✓ 5.7 Million Square Feet
- ✓ Annual Savings ~ \$1 Million
- ✓ Eliminates On-Site Fossil Combustion
- ✓ Flexibility in School Operations



Sustainability Program Analysis

Landfill Gas Generation

Efficiency

Conservation

Demand Reduction

Renewables

Environmental

- and -

Business Economics

Landfill Gas Generation

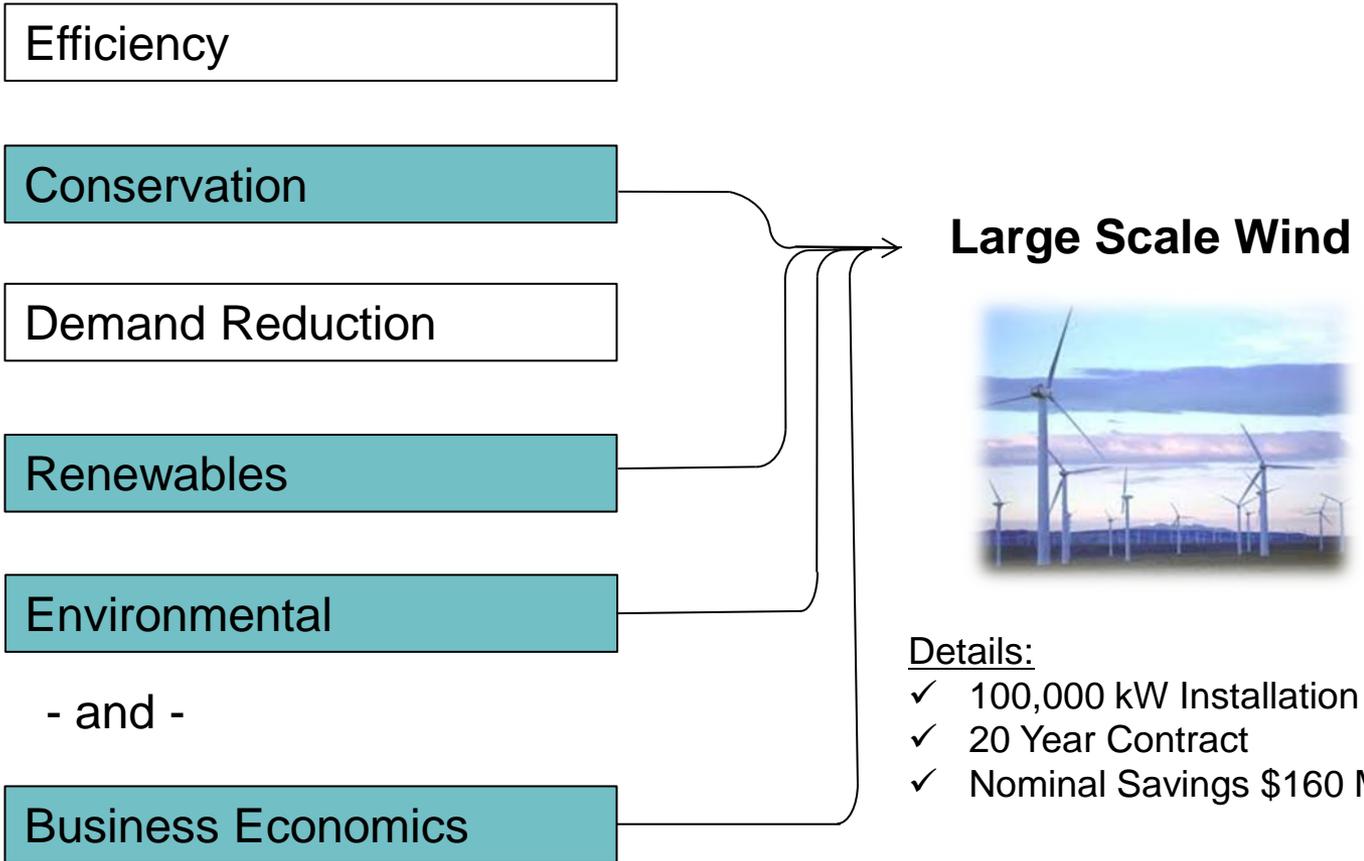


Details:

- ✓ 4,000 kW LES Capacity Addition
- ✓ Combustion of Waste Methane
- ✓ Revenue Stream to City

Sustainability Program Analysis

Large Scale Wind



A vertical photograph of several white wind turbines against a clear blue sky, positioned on the left side of the slide.

Summary:

- ❑ LES has an ongoing 30+ year history of including sustainability characteristics as factors in operational and project evaluation;
- ❑ All proposed projects and operational changes must compete for limited resources;
- ❑ We make every effort to include sustainability characteristics in projects and operational changes, if supported by business economics;
- ❑ If the business economics are marginal, we prefer to investigate/pilot the concept until proven feasible, infeasible or the concept matures and the economics improve;
- ❑ If economic justification cannot be identified, and there is significant potential adverse customer impact, it becomes a policy discussion and decision.