

COUNTY LEADERSHIP ON RENEWABLE ENERGY

A NAVAJO COUNTY PERSPECTIVE

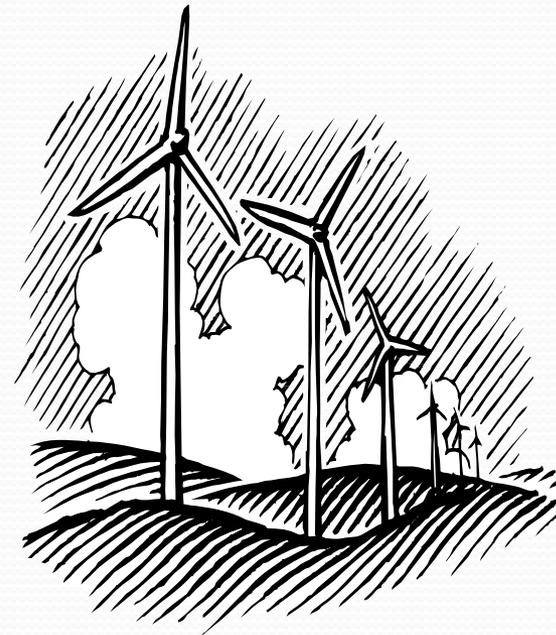
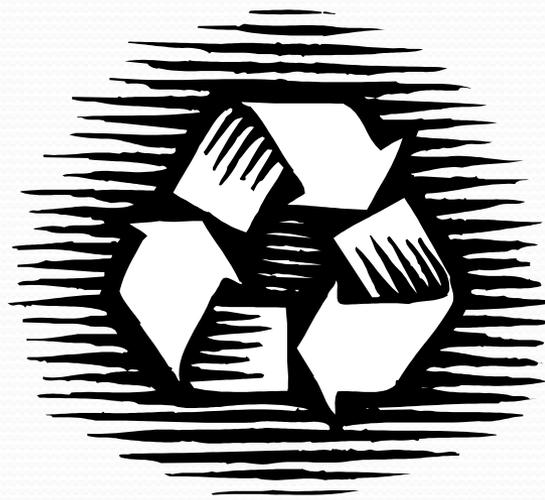
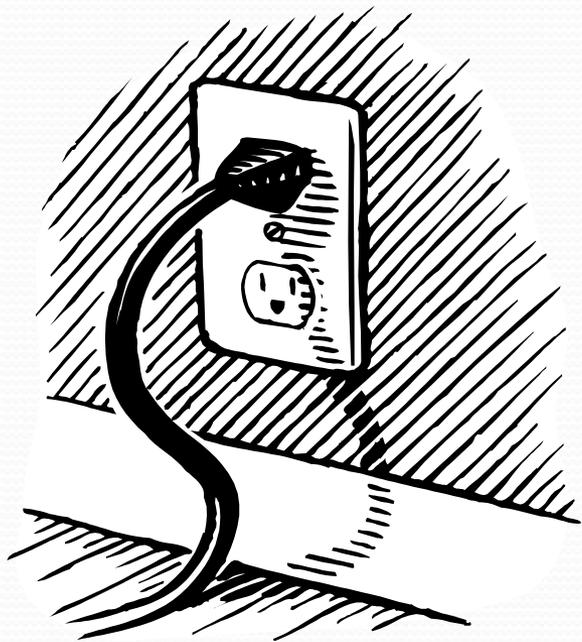


Navajo County strategy

Reduce

Construct

Facilitate



Strategy: Reduce Energy Use

Energy Conservation Working Group

Established January, 2008

“The purpose of the Energy Conservation Working Group is to establish Navajo County as a leader in energy efficiency by identifying, promoting, and recommending feasible conservation strategies that minimize the fiscal impact of rising energy costs and enhance the sustainability of County physical facilities.”

Holbrook Complex upgrades

Electrical system retrofit

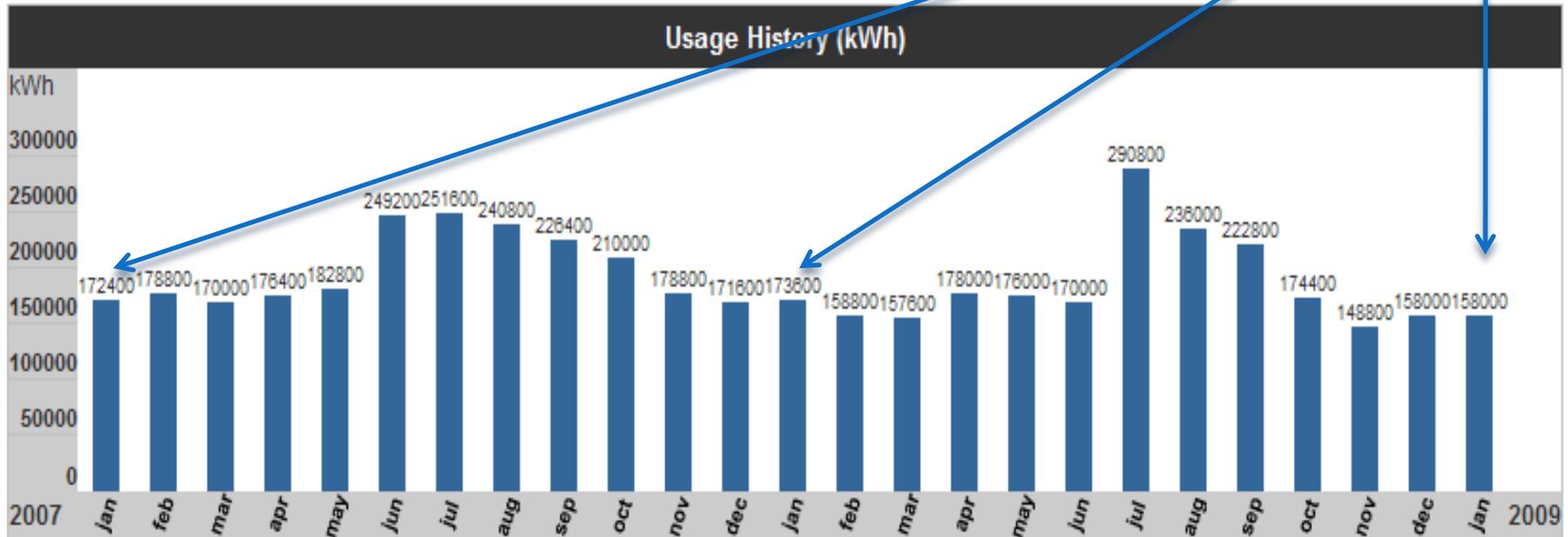
Heating/cooling system



TRACKING RESULTS

HOLBROOK – MAIN METER

KW usage reduced from
172400 (Jan 2007) to
158000 (Jan 2009)



Savings

- 14,000 KW drop in electricity use over two years
- 7.25% reduction in electrical costs
- Projected \$52,000 annual savings



Strategy: construct energy-efficient facilities



Health Department building – Show Low



Health Building – Green Features

- 18.9kWh grid-tie photovoltaic solar system
- Insulated low-E glass in all windows
- Natural lighting
- Native landscaping
- Energy efficient chiller system instead of heat pumps



Adaptive Re-use

National Bank building



Show Low City Hall



Strategy: Facilitate renewable energy generation



Interior Secretary Ken Salazar meets with County officials at Dry Lake Wind Farm dedication



Dry Lake Wind Farm

Dedicated October 12, 2009



Dry Lake Wind Farm

- Electricity for 15,000 homes
- 30 towers over 6000 acres of private, state, federal land
- Towers measure 300 ft. tall
- Blades measure 177 ft. and weigh 17,000 pounds
- Tower foundations measure 50 square ft., 8ft. deep

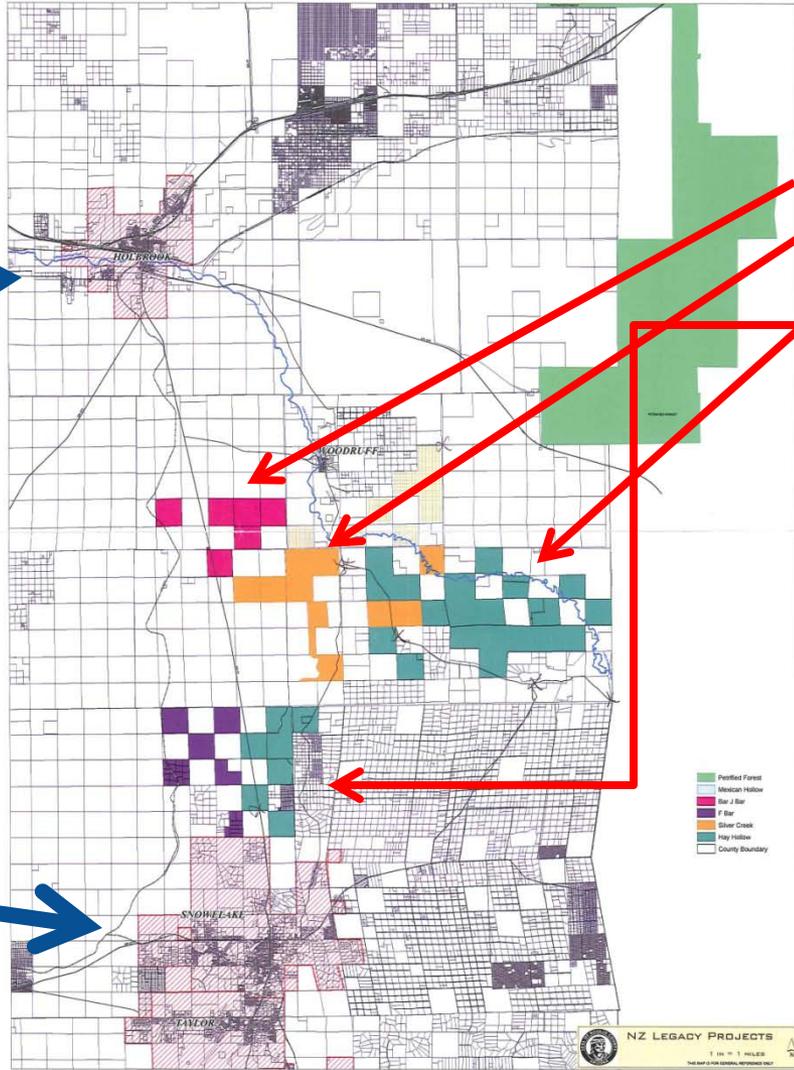


NZ Legacy

Holbrook

Snowflake

Proposed tower locations



NZ LEGACY PROJECTS

1 INCH = 1 MILE

THE MAP IS FOR GENERAL REFERENCE ONLY

Conclusion



fplanque.com/photo