



New Mexico Gas Company 2011- 2012 SCORE Pilot Program

June 3, 2011

Gadsden Independent School District

Pilot Program Overview

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- What is the SCORE Pilot Program?
 - Energy Efficiency Pilot sponsored by NM Gas Company.
 - Includes both financial incentives and NO COST services such as Benchmarking, Technical Assistance, and Communications Support.
 - Assess the energy performance of your schools,
 - Discuss 'best practices' in the field of energy efficiency,
 - Identify and evaluate prospective energy efficiency projects,
 - Highlight successful projects through check presentations and public relations activities.

Pilot Program Overview

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- Pilot Objectives Include:
 - Increase awareness of energy-efficiency projects and benefits.
 - Create lasting changes in the marketplace by addressing specified barriers.
 - Assist Pilot Program participants to identify & implement projects resulting in long term energy savings.
 - Create a simple and streamlined program & incentive process to stimulate strong participation.

Pilot Program Timeline

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2011 - 2012

- | | |
|----------------------|--|
| May 2011: | Collaborate with Staff to collect Benchmarking Data |
| May – Aug: | Work with Facilities Staff to identify and evaluate prospective project facilities, equipment, specifications, etc |
| Sept – Oct: | Convene appropriate Facilities, Finance, Construction, Executive Staff to review per-facility Benchmarking Reports & conduct Energy Master Planning Workshop |
| May 2011 - Aug 2012: | Earn direct incentive dollars for projects resulting in natural gas savings |

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Pilot Program Components

Benchmarking & Energy Master Planning
 Technical Support
 Financial Incentives
 Recognition

Benchmarking

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- Help identify opportunities for efficiency improvement.
- Utility bill analysis and comparison using a variety of metrics.
- Buildings compared to others of similar size in similar climate and scored according to energy use.

Sample Benchmarking Data

Local Texas Benchmarks	TX Average*	Your School	
Annual Energy Use (kBtu/sq. ft.)	54.2	43.9	81%
Annual Energy Cost (\$/sq. ft.)	\$1.27	\$1.39	38%
Annual Energy Cost (\$/student)	\$163	\$177	42%
National Benchmark	National Average	Your School	
U.S. EPA Portfolio Manager Score	50	61	61%

Energy Master Planning

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- Workshop with facility & energy managers, financial administrators, and engineers.
- Review benchmarking results and assess energy efficiency planning and decision-making.
- Review best practices and prioritize short and long-term energy-related objectives.
- Facilitate the creation of an Energy Master Plan that establishes processes by which projects are identified, financed, and implemented.

Technical Support

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- Perform walk-through energy assessments with school personnel:
 - Provide technology & equipment recommendations, along with ROI comparisons,
 - Work with Trade Allies to convey E-E education and installation.
- Review retrofit and/or new construction plans to identify and maximize energy efficiency savings opportunities.
- Provide information and engineering insight re: gas-saving E-E technologies



Financial Incentives & Recognition

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- Financial incentives based upon natural gas savings:
 - Incentive Rate: \$0.75/Therm
- Present incentive checks to School Board to recognize and highlight successful projects.
- Collaborate with school communications personnel to create and place PR.



Prospective Equip. & Project Types

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- **Water Heating**
 - Low-Flow Devices (spray valves, faucet aerators, showerheads)
 - Pipe insulation for hot water and/or steam
 - Dedicated hot water for kitchens
 - Swimming pool heating, Pool covers
- **Space Heating [generation > delivery > usage]**
 - Demand-controlled ventilation for large infrequently-occupied spaces (e.g. cafeteria, auditorium, gym)
 - Ventilation heat exchangers
 - Boiler replacements,
 - Boiler burner retrofits,
 - Boiler-related 'controls' (e.g. outside air reset)
 - Re-roofing insulation

Prospective Equip. & Project Types

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□ **New Construction**

- Building envelope & Equipment improvements over code (e.g. insulation, low-e windows, air sealing, roofing, etc) that affect natural gas usage

□ **Food Preparation / Commercial Kitchen Equipment**

- ENERGY STAR dishwashers
- ENERGY STAR ovens
- ENERGY STAR fryers
- ENERGY STAR griddles

Next Steps

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2011 - 2012

- | | |
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Questions & Contacts

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