Strategic Energy Management

- Energy consumption reduction
- Reduced exposure to escalating energy prices
- Cost reduction
- Volume
- Reduced risk

Components of Strategic Energy Management

1. Identifying and elevating energy cost as a strategic business issue
2. Identifying and executing the right projects to drive highest gain results
3. Implementing a vertically integrated management approach to drive results
4. Connecting many disconnected components of complex energy management
5. Developing skills and capabilities of the people in the organization

Energy-Intensive Industries

- Mining, Metals, and Minerals: 24%
- Oil and Gas: 20%
- Pulp and Paper: 4%
- Chemicals: 13%

Energy Efficiency at DuPont Started with Strategic Energy Management

- 135 diverse production facilities
- $6 billion savings since 1990 baseline
- 13% reduction in energy consumption since 1990 based on while production increased by 40%
- Site energy productivity (in BTU per pound of product) improved 40%
- Over $75 million savings in energy costs from 2008 to 2011
- Saved $19 million in 2011

Public Policy

- Public Accountability
- Corporate
- Business Unit
- Site

Volatility of Resource Costs

- Access to capital
- Public policy
- Competition

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Alexandra Ortiz

Energy Efficiency Solutions Architect

“An effective Sustainability Management System is rooted in people and corporate core values.”

Brian Rains

Global Practice Leader | Operations Excellence

“There needs to be a culture created where everyone is empowered to identify problems, bring them to the attention of others, and, as appropriate, work to solve them.”

Energy Value Creation

Energy Efficiency Through Cultural Change

DuPont Sustainable Solutions