

PepsiCo

Corporate Energy Management

Carbon Reduction Goals



Frito-Lay has set a goal of reducing its GHG emissions by 14 percent per pound of product from 2002 to 2010.

- In 1999, Frito-Lay joined EPA's Climate Wise program
- Frito-Lay reduced GHG emissions by 9.4 percent per pound of product between 1999 and 2002
- Frito-Lay joined Climate Leaders in 2004
- 14% Reduction Goal is Based Upon
 - Projections of Future Improvements in Energy Efficiency
 - Plus a Stretch Factor
- From 2002 to 2005, Frito-Lay Has Reduced its Emissions by 7.2 % per Pound of Product

Goals and Motivation



- Carbon Reduction Goals
 - Absolutely The Right Thing To Do
 - Hard to "Touch"
 - Difficult to Compensate for Goal Achievement
- Energy Savings Goals
 - Directly Tied to Carbon Reduction
 - Easier to Measure on a Daily Basis
- Dollar Productivity Goals
 - Aligned with Energy Saving and Carbon Reduction Goals
 - Aligned with your Corporate Strategy
 - Can Be Directly Tied to Compensation

Three Phases of Cost Control



- Procurement & Risk Management
 - Leverage PepsiCo Scale
 - Combined Contracts
 - Use Small Team of Experts For Multiple Divisions
 - Uniform Volatility Management
 - "Standard" Cost Process For Sites
 - Single Market Benchmark for Risk Control
- Conservation
 - Field Based Team of Volunteers
 - Coordinated Through Regional Captains
 - Peer To Peer Assistance Network
- Technological Innovation
 - Re-Applying Externally Developed Ideas Where Practical
 - Internally Developing Process Changes To Drive Productivity

Achieving Productivity



Requires Process, Strategy, Execution & Endless Determination

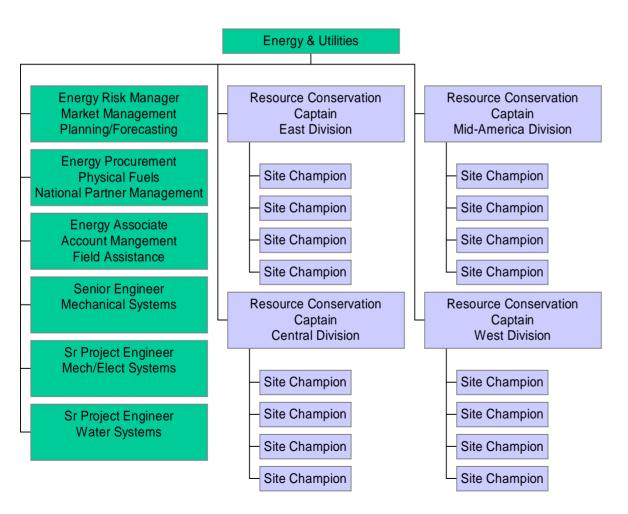
- Set A Big Challenge
 - Little Goals Produce
 Little Results
- Create A Team
 - Every Site Needs Experts
 With Enthusiasm
- Budget
 - We're All Driven
 By The Numbers
- Scorecard
 - The Budget Won't Show
 The Opportunities

- Audit
 - Demand Success & Help To Achieve It
- Innovate
 - You Know Your Own
 Business Best
- Execute
 - The Best Laid Plans ...
 Are Still Just Plans
- Communicate Results
 - Share The Stories & Rewards Of Success

Team Development



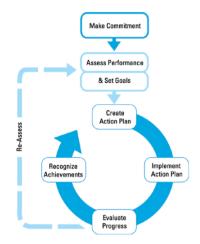
Core Corporate Support For Operations Execution Team



- Corporate Support
 - Procurement
 - Risk Management
 - Engineering
 - Project Development
- Operations Team
 - Collateral Responsibility
 - Execution Imperative

Team With Energy Star





Program Model



Self-Assessment Matrix



Networking Opportunities



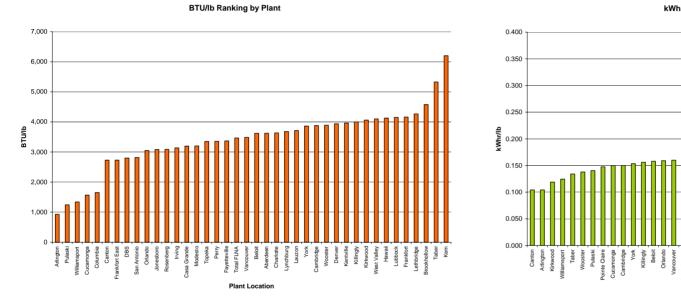
Employee Motivation

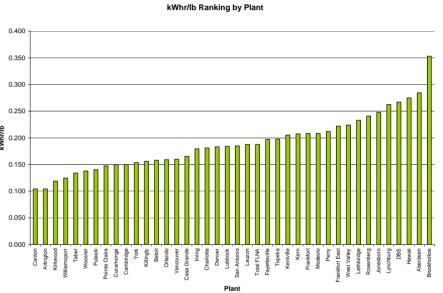


National Recognition

Benchmarking Plants





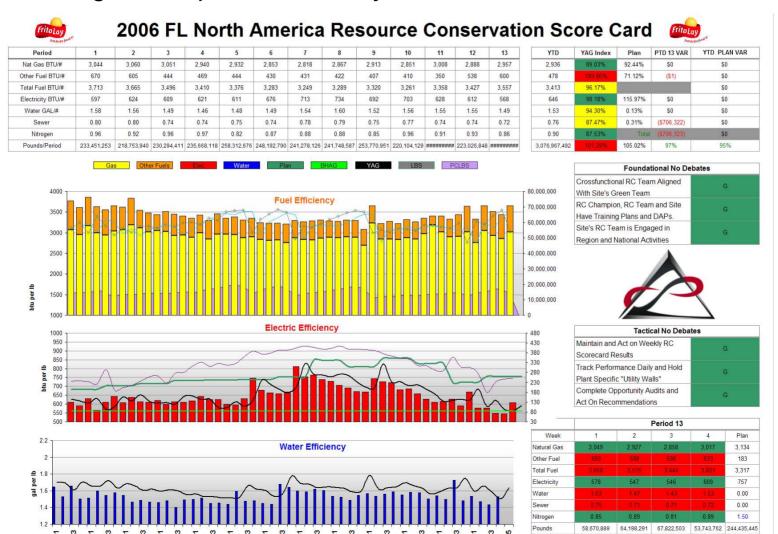


- Each Site Records Energy and Water Use Each Week
- Normalizes Use to Production Data
- Submits Scorecard to Resource Conservation Server
- Allows National Tracking and Benchmarking
- Operational Differences Between Plants Still Make Direct Comparisons Difficult

Scorecard



In Use Throughout PepsiCo - Globally



Site Opportunity Audits



Sharing Best Practices And Finding New Ones

Opportunity	<u>Section</u>	<u>Score</u>
\$0	Administrative	89%
\$12,000	Awareness & Accountability	62%
\$75,000	Electrical	76%
\$0	Alternate Fuels	93%
\$65,000	Boiler / Steam / Condensate System	ns 83%
\$15,000	Nitrogen System	80%
\$25,000	Process Combustion	65%
\$25,000	Water and Sewer Systems	86%
\$217,000	Total Site Score	79%

- Each Site Each Year
 - Ensure Project Ideas Are Implemented
 - Document Performance Trend
- Audit Team Composition
 - Division Resource Conservation Captain
 - Corporate Support
 - Alternate Site Champions

Capital Projects





Photovoltaics



DayLighting



Green DC

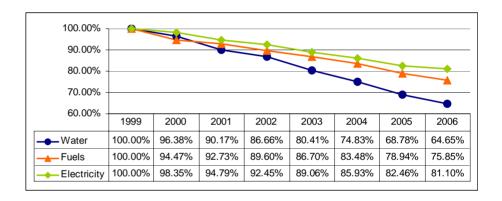
- Reduced Hurdle Rates
 - Less Execution Risk
 - Greater Lifecycle
 - Reliability Improvement
- Dedicated Capital
 - Demonstrates Commitment
 - Improves Profitability
 - Creates Excitement

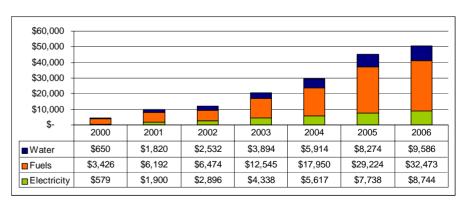
Communication



Up, Down & Across The Organization

- Executive Communication
 - Annual Planning Process
 - Quarterly Progress Updates
- Team Meetings
 - Period Conference Calls
 - Quarterly Tactical Sessions
 - Annual Energy Summit
- Rewards & Recognition
 - High Performing Sites
 - High Performing Individuals
 - High Performing Program





Summary



- Align Your Goals
 - In Order To Be Sustainable You Must Be Profitable
 - Saving Energy Saves Money
 - Saving Energy Reduces Carbon Emissions
- Team With Energy Star
 - Excellent Resources and Contacts
- Develop A Comprehensive Program
 - Procurement / Risk Management
 - Conservation
 - Capital Projects
 - Communication



Any Questions?

Rob Schasel Energy & Utilities Dept. PepsiCo, Inc. 972-334-5567