

CHP for Food Processing

Frito-Lay Killingly CT.

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We're More Than Just Pepsi Cola

PepsiCo's Billion Dollar Brands



Global Presence

19 - Billion Dollar Brands
\$58 Billion in Revenue
300,000 Employees

Global Distribution

100,000 Sales Routes
Businesses in Virtually
Every
Country in the World
Largest Markets: USA,
Russia, Mexico

High Visibility

Water
Energy and GHG
Land Fill

PepsiCo has Incredible Products

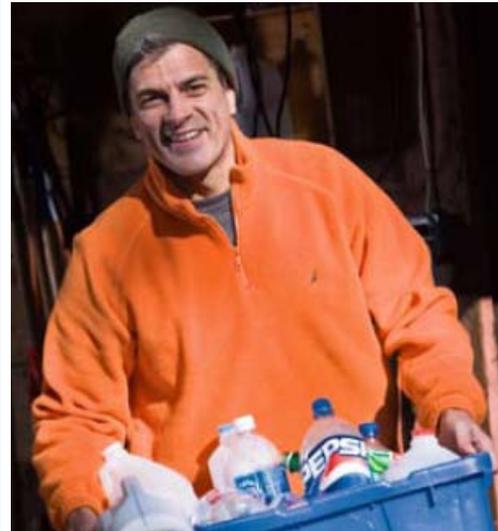


Performance with Purpose

**Nourish Consumers
with a Range of
Products**



**Be Responsible
Steward of Our
Planet's Resources**



**Attract, Retain
and Develop
World-Class Talent**



In support of the Environment Plank.....Killingly CHP Project

Solar Centaur 50

4.6 MW

Natural Gas

Turbine/Generator

HRSG / Duct Burner

**100% of Plant's
Electric Needs**

**80% of Plant's
Thermal Needs**



Killingly CHP Project



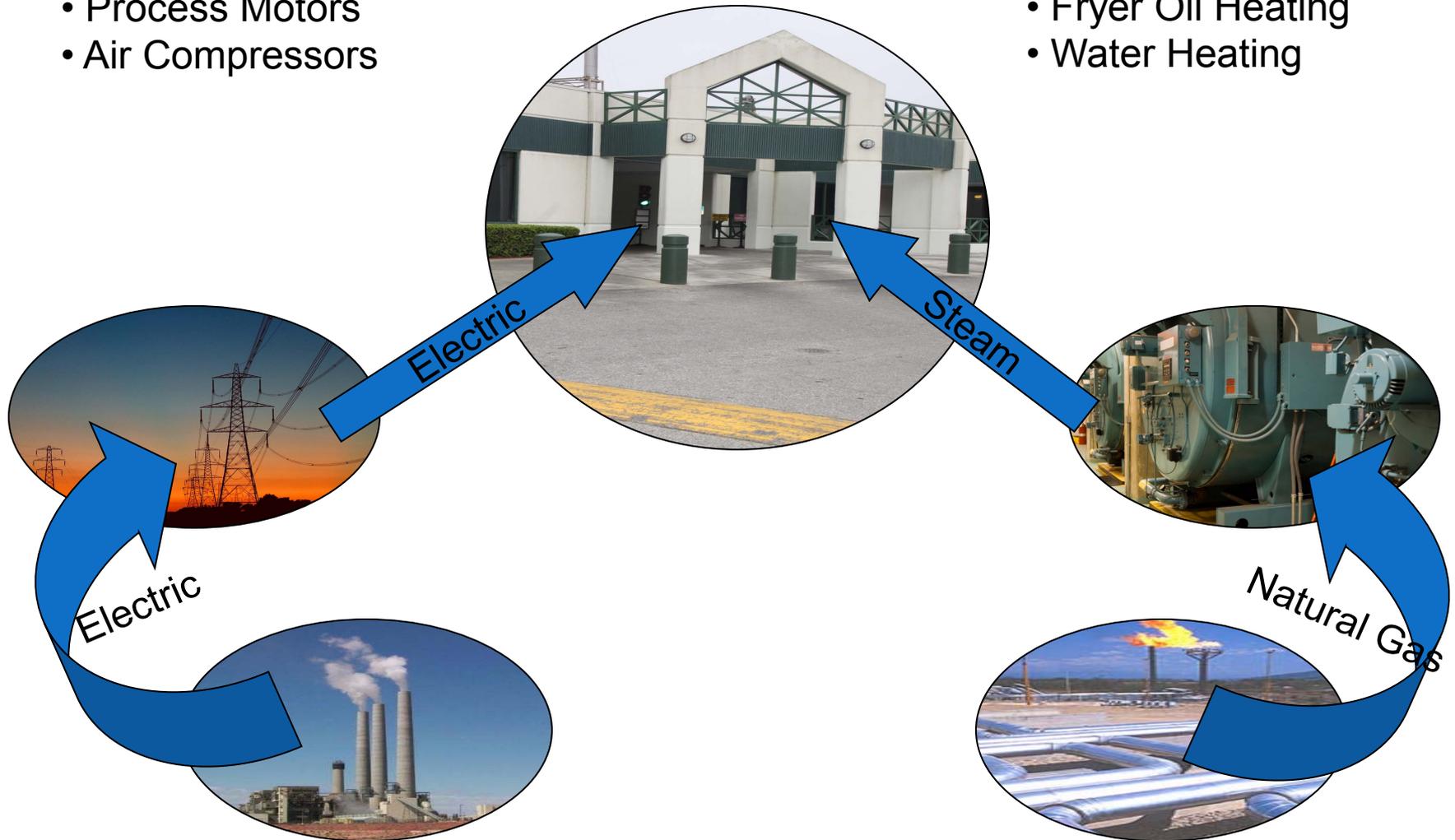
State of the Art - Before

Primary Electric Loads

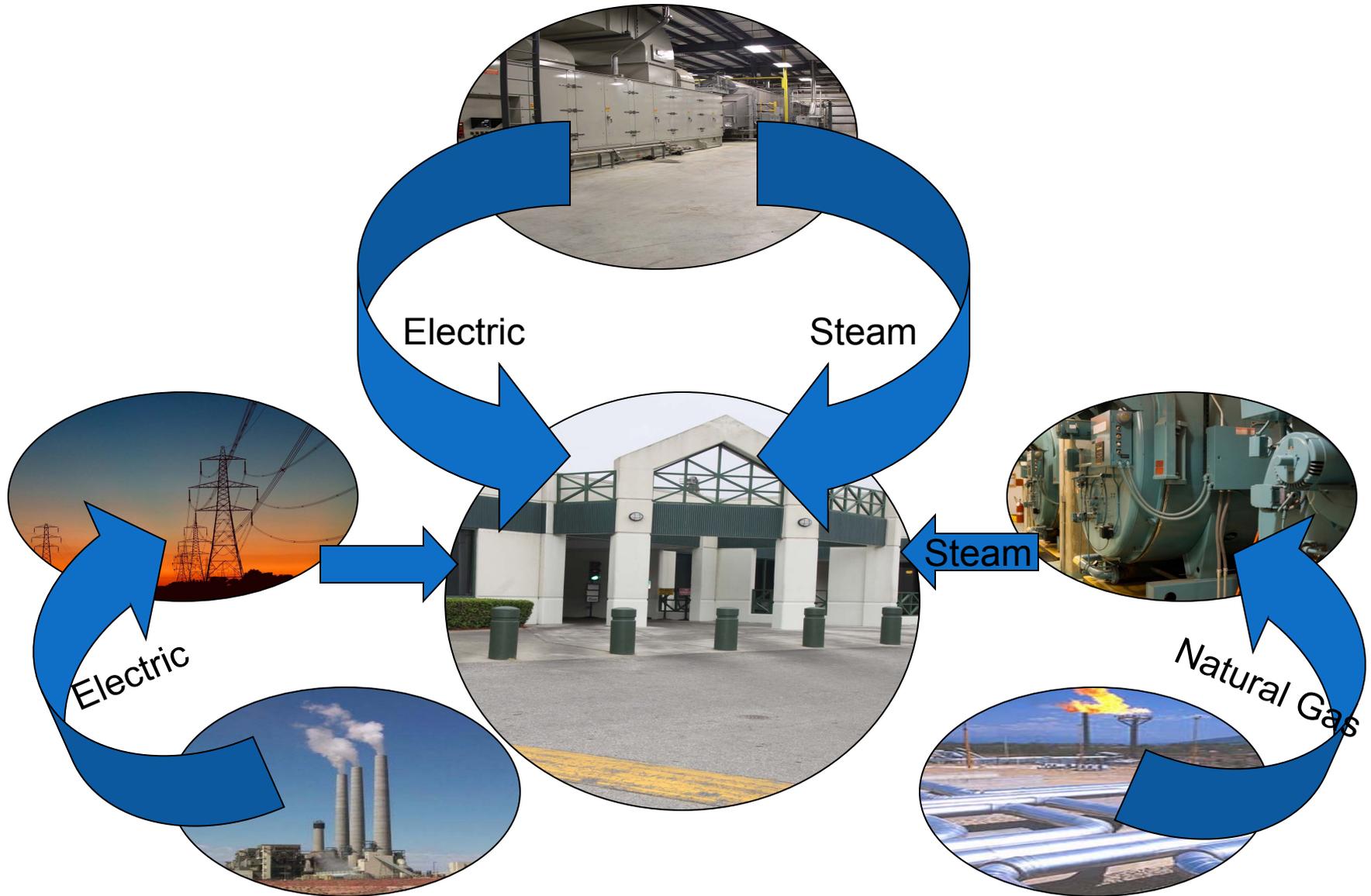
- Process Motors
- Air Compressors

Primary Steam Loads

- Fryer Oil Heating
- Water Heating



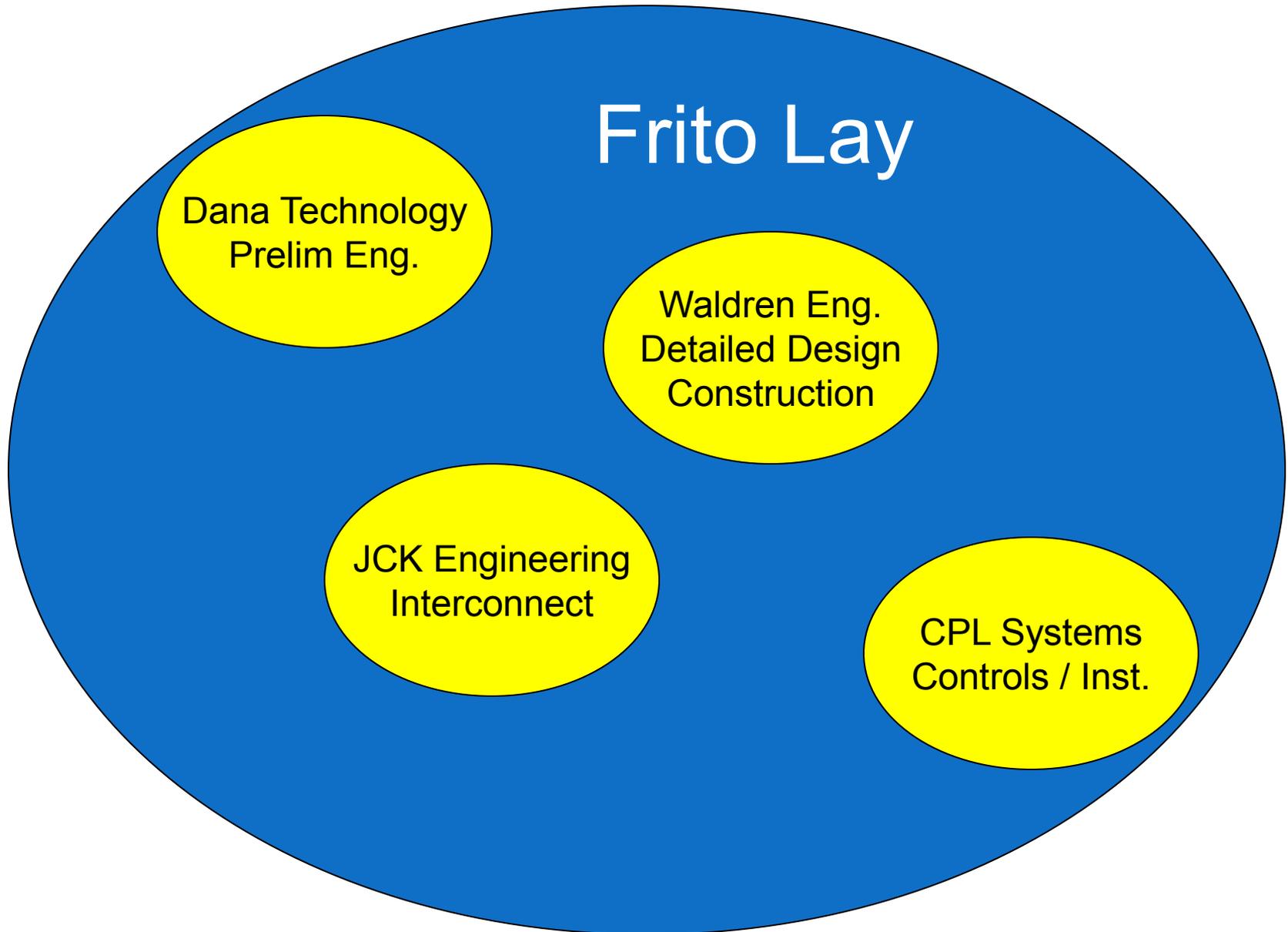
State of the Art - After



Technical Approach

- Low Nox Performance
- Parallel to Grid – Load Following
- Proven Highly Reliable Turbine / Generator Package
- Combined with Site Reliability Strategy
- Unique Project Structure – Strong Team
- Unleashed Future Plant Capabilities

Project Team Approach...Reduced Costs



Project Approach

- Preliminary Engineering
 - Frito-Lay, Inc.
 - Dana Technologies – Jim Leach, President
- Long Lead Equipment Purchase
 - Frito-Lay, Inc
- Detailed Engineering & Construction
 - Waldron Engineering & Construction, Inc.
 - Project Manager – Mark Letourneau
- Instrumentation & Controls
 - CPL Systems, Inc
 - Project Manager – Jack Hodges
- Utility Interconnect/Switchgear Design/Fabrication
 - JCK Engineers, Inc. – James Kuhn, President

Project Budget

- Equipment - \$6MM
 - Installation - \$4MM
 - Building - \$1.0MM
 - Engineering - \$1.0MM
 - Total - \$12MM
-
- State of Connecticut Grant - \$1.7MM
 - Investment Tax Credit – 10% (not in project economics)

Additional Benefits

Class III REC's

Lower NG Prices

Project Schedule Milestones

Project Development 01/06 – 12/06

State Grant Application/Award 03/06 – 08/06

Preliminary Engineering 06/06 – 06/07

Project Funding Approval 02/07

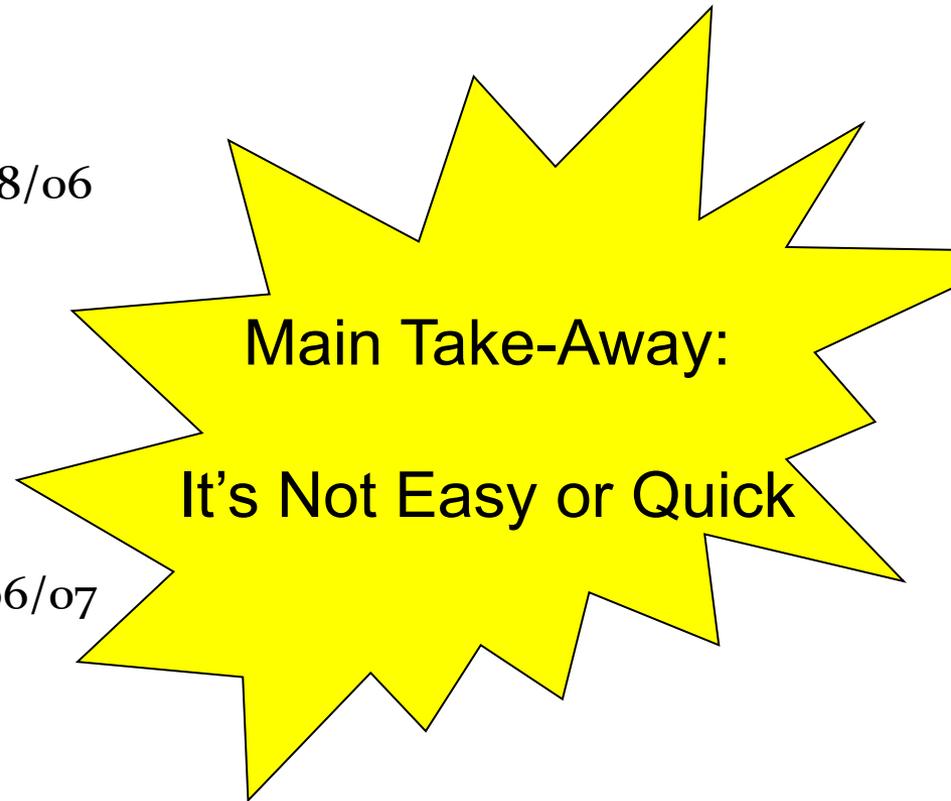
Purchase Long Lead Equipment 03/07 – 06/07

Permitting – Air & Construction 05/08

Engineering/Procurement/Construction 02/08 – 03/09

Commissioning 03/09

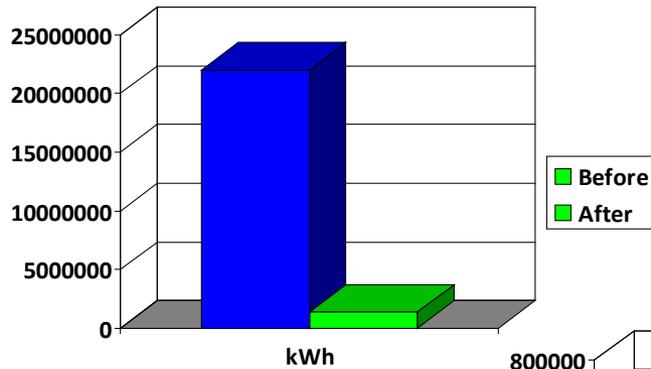
Emission Testing 08/09



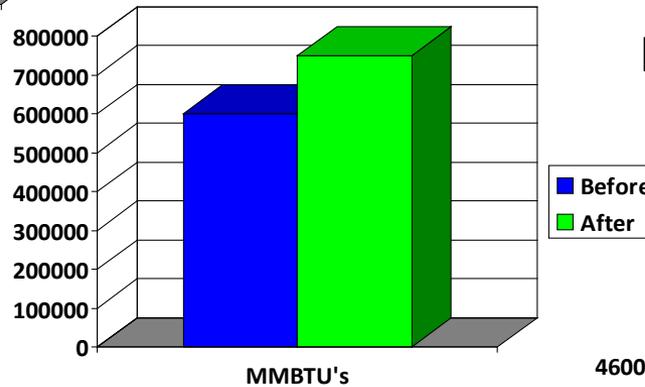
Main Take-Away:

It's Not Easy or Quick

Benefits

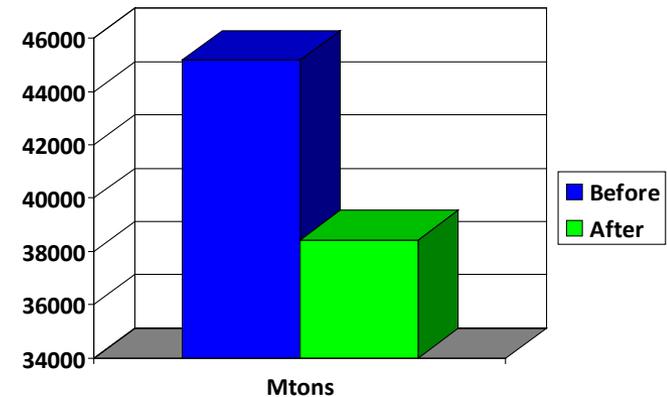


Electric = 94% Reduction



N. Gas = 25% Increase

GHG = 15% Reduction



Questions?

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