Where Are the Green Jobs?

Jon Wellinghoff
Chairman
Federal Energy Regulatory Commission
Why Green Jobs?
Green Jobs In
Large Wind Systems
Geothermal Systems
Distributed Energy
Green Jobs
Improving Energy Efficiency
Energy Efficiency at a Grand Scale
Energy Efficiency in Ordinary Places
Energy Efficiency on the Road
The Smart Grid Meets the Smart Store

Wal-Mart's Advanced Meter and Web Solution

Web Interface

Database Server

Wal-Mart Home Office

Oracle Database

Stores Meter Data

EMS System

Energy Logger

Collects Meter Data

Meters Loads in Store

Energy Logger Data

EMS System Data

Provides real-time & historical meter data

Programs EMS System to control loads in stores

Controls Loads in Store

HVAC

Lights

Refrigeration
Electric Grid Control Room
21st Century Electric Grid

TWO-WAY FLOW OF INFORMATION AND POWER

Dynamic Systems Control

Grid Operator

Customer Portal

PHEV

DISTRIBUTION OPERATIONS

Distributed Generation & Storage

Smart End-Use Device
Smart Controls for the Consumer
Consumer Appliances

Image of a refrigerator.
Electric Transportation-the Energy Intersection
The Green Jobs Are Out There and They Are In Here Too! Thank You