



An Energy Efficiency Workshop & Exposition
Palm Springs, California

Its Not Just Energy

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June 2 -5, 2002

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- During President Eisenhower's term we looked at reducing our dependency on foreign oil.
- Today we import 10 million barrels of oil per day.
- This represents approximately 60 to 70% of our oil consumption.

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- Café standards were first investigated in the 70's
- Recently congress has rejected increasing the standards.

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- **Energy Reduction Drivers**
- **NECPA 1978:** Audit all federal buildings by 2004
- **EPA Act 1992:** Mandated that all federal facilities reduce energy consumption by 10% between 1985 and 1995, and 20% reduction by 2000
 - Implement all ECMs with 10 yr payback.
- **EO 12902:** Mandated energy reduction of 30% by 2005
- **EO 13123:** Mandated energy reduction of 35% by 2010
 - Removed exemptions for industrial and lab facilities
 - Established baseline year as 1990 for I & L with 20% reduction by 2005 and 25% reduction by 2010
 - Establish green power goal of 2.5%

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- Methods of Reducing Our Dependency
 - Use of Renewable Energy
 - Deregulation
 - Cooling, Heating, and Power (On-site Generation)
 - Geothermal
 - Energy Conservation

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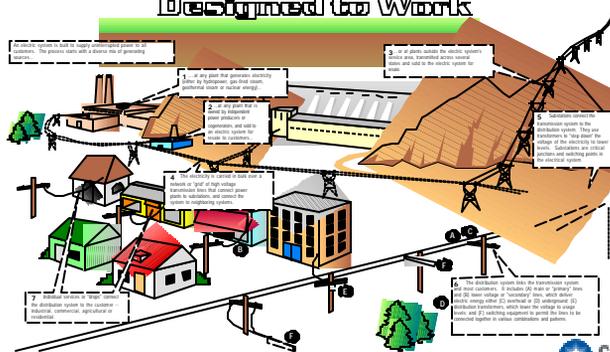
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How an Electric System is Designed to Work



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Alternative Financing



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- Energy Project Financing
 - Energy Savings Performance Contract
 - Utility Area Wide Contract (Utility Energy Savings Contract)
 - General Services Administration Federal Supply Schedule Contract
 - Venture Capital Contract

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- Facility Renovations
 - HVAC Systems
 - Water Systems
 - Electrical Upgrades
 - Energy Management Systems
 - Power Systems

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On-Site Energy Managers

**Federal Agencies
have an on-site energy
manager whose job is to
pursue energy conservation and
efficiency at their facilities.**



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- New proposed energy legislation
 - Energy Bank
 - Trust Fund
 - ESPC for New Construction
 - Tax Credits for Geothermal
 - Incentive Funds for New Technology (Fuel Cells, Micro turbines, Solar)
 - Water Conservation



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