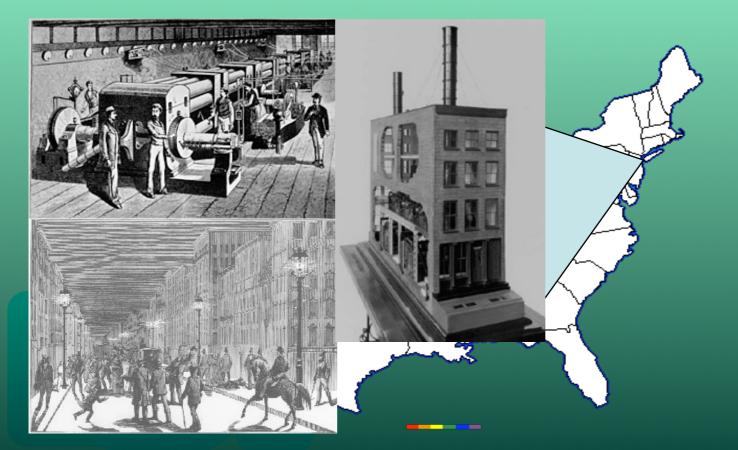
#### How to Improve the Efficiency of the World's Biggest Machine While Solving a Few Other Problems Along the Way

## 4th Annual Great Energy Efficiency Day

**Alliance to Save Energy** 

Jon Wellinghoff, Commissioner Federal Energy Regulatory Commission February 14, 2007

#### Point of Departure: Edison's Pearl St. Station and the Neighborhood Grid



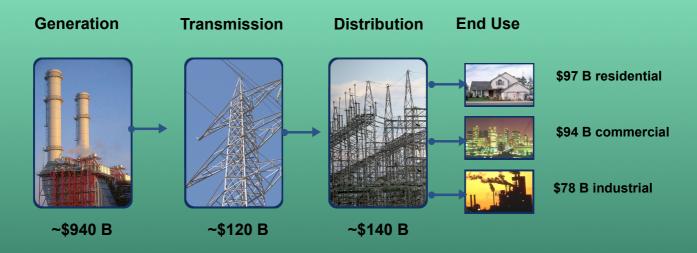
### A Little Over a Century Later ... "Most Complex Machine in the World"



#### Over 160,000 Miles of Transmission Lines

Over 978,020 Megawatts of Generating Capacity

# Electric Grid: Billions in Investment & in Costs



(replacement costs)

# Multiple Issues Seeking Solutions

