



Increasing Industrial Productivity

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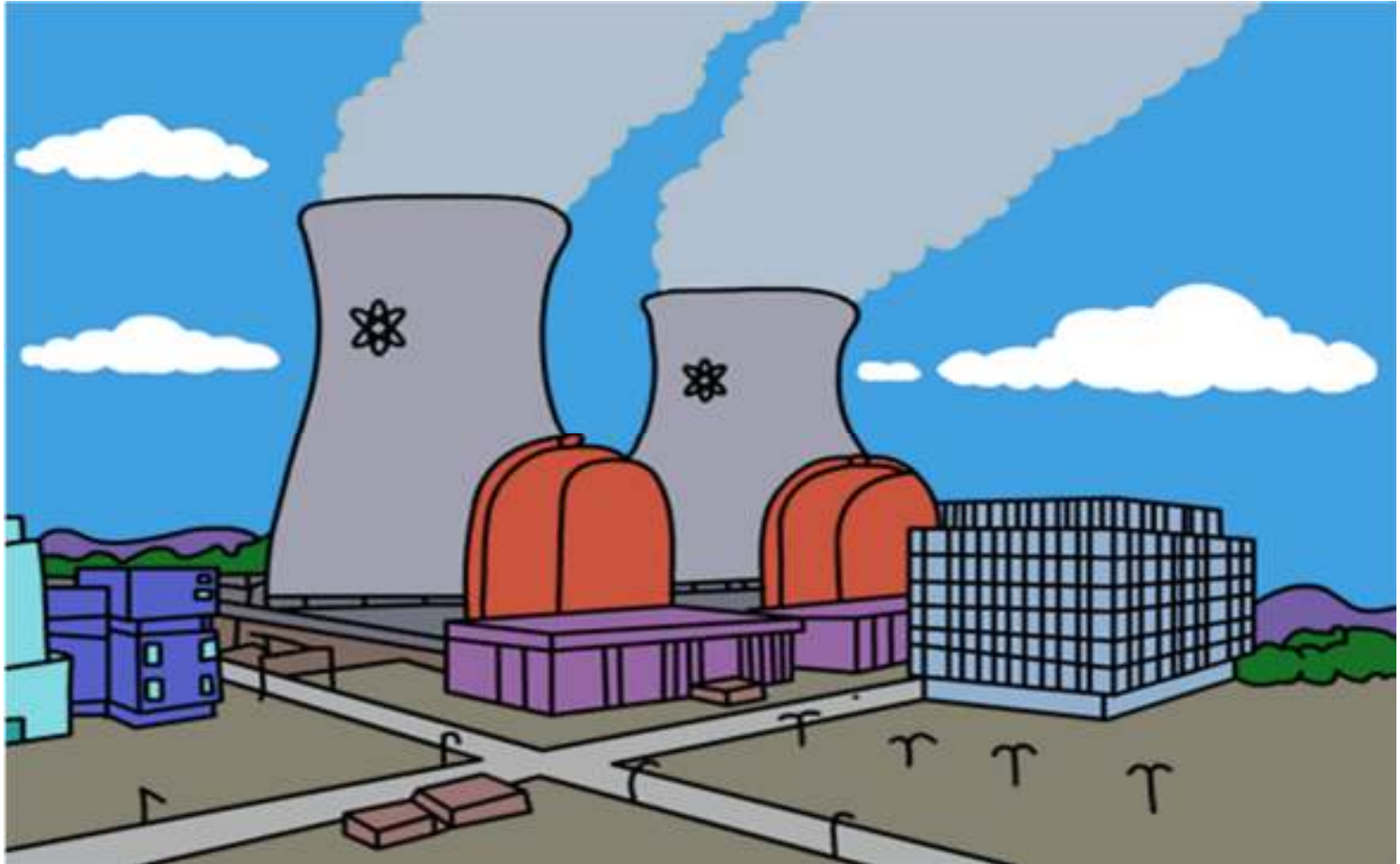
November 17, 2011



Reframe Policy Debates

- How do we increase the productivity and efficiency of basic American manufacturers?
- How do we reduce pollution profitably?
- How do we curtail energy waste?

Homer Simpson's Power Plant (Springfield)



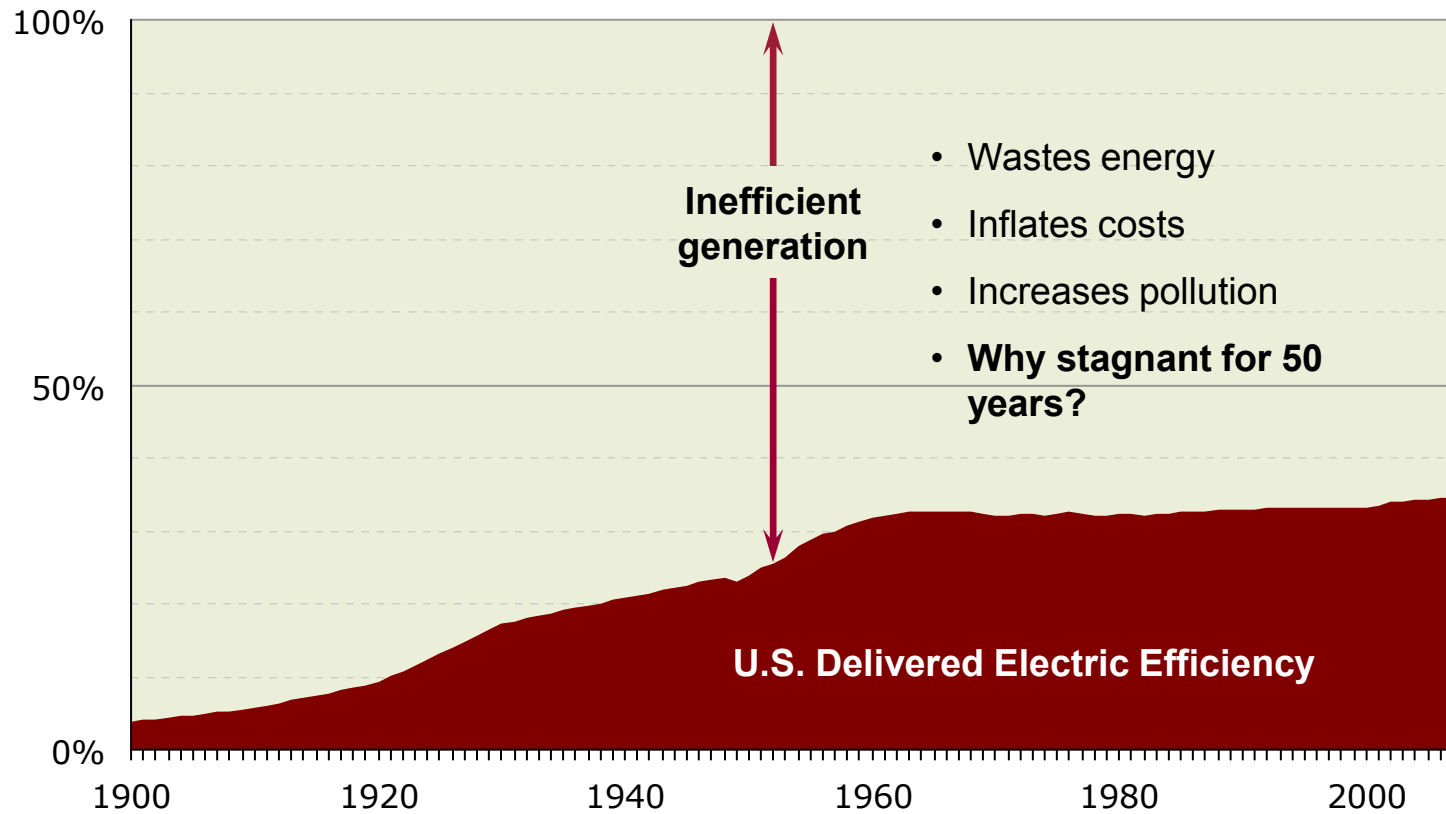


Real Electric Generation Plant (Craig, CO)





U.S. electricity generation is inefficient



Source: U.S. Energy Information Agency



65 MW from Silicon Production



- Recycles exhaust into 65 megawatts of clean power
- More efficient plant will expand production and jobs
- We can take silicon manufacturing back from China!

220 MW from Steel Smelter's Waste Energy



- Smelter saves \$100 million annually.
- Cuts CO₂ emissions by 916,000 metric tons/year

Courtesy Primary Energy



Policy Options

- **Markets for Power.** Clean Energy Standard Offer Program (CESOP), portfolio standards, feed-in tariffs.
- **Financing.** Tax credits. Loan guarantees.
- **Efficiency as Pollution Prevention.** See efficiency as preventing pollution. Focus on outputs.
- **Value for Provided Benefits.** Distributed generation can increase reliability, reduce line losses and curtail the need for new lines.



Alliance for Industrial Efficiency

- Corporations – Caterpillar, Dow Chemical, GE Energy, Libbey Glass, United Technologies
- Associations: American Chemistry Council, American Forest & Paper Assn, Electricity Consumers Resource Council, Glass Manufacturing Industry Council, Sheet Metal Contractors, Electrical Contractors
- Labor: United Steelworkers, Boilermakers, Sheet Metal Workers, Pharmaceutical Labor-Management Assn.
- Environmental – Environmental Defense, Environment America, Sierra Club, Alliance to Save Energy



Thank You

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