

Assessing Energy Efficiency Alternatives in North St. Paul

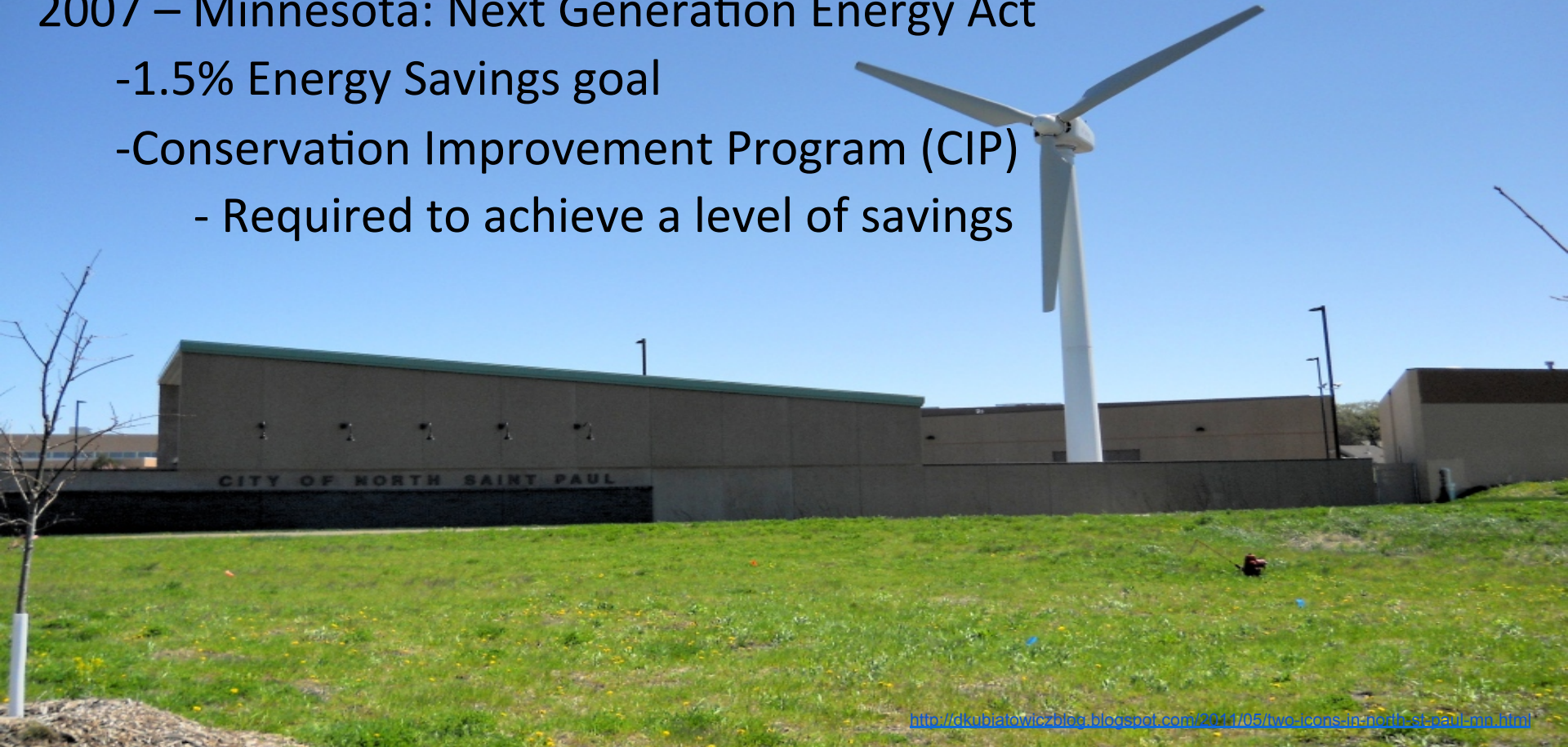


Joao Abreu
Tom Prebich
Peter Schmidt

What is driving energy efficiency?

2007 – Minnesota: Next Generation Energy Act

- 1.5% Energy Savings goal
- Conservation Improvement Program (CIP)
 - Required to achieve a level of savings



What programs are currently available?

- Fluorescent and LED lighting rebates
- Rebates for Energy Star appliances
- Subsidized energy audits
- Central A/C tune-up



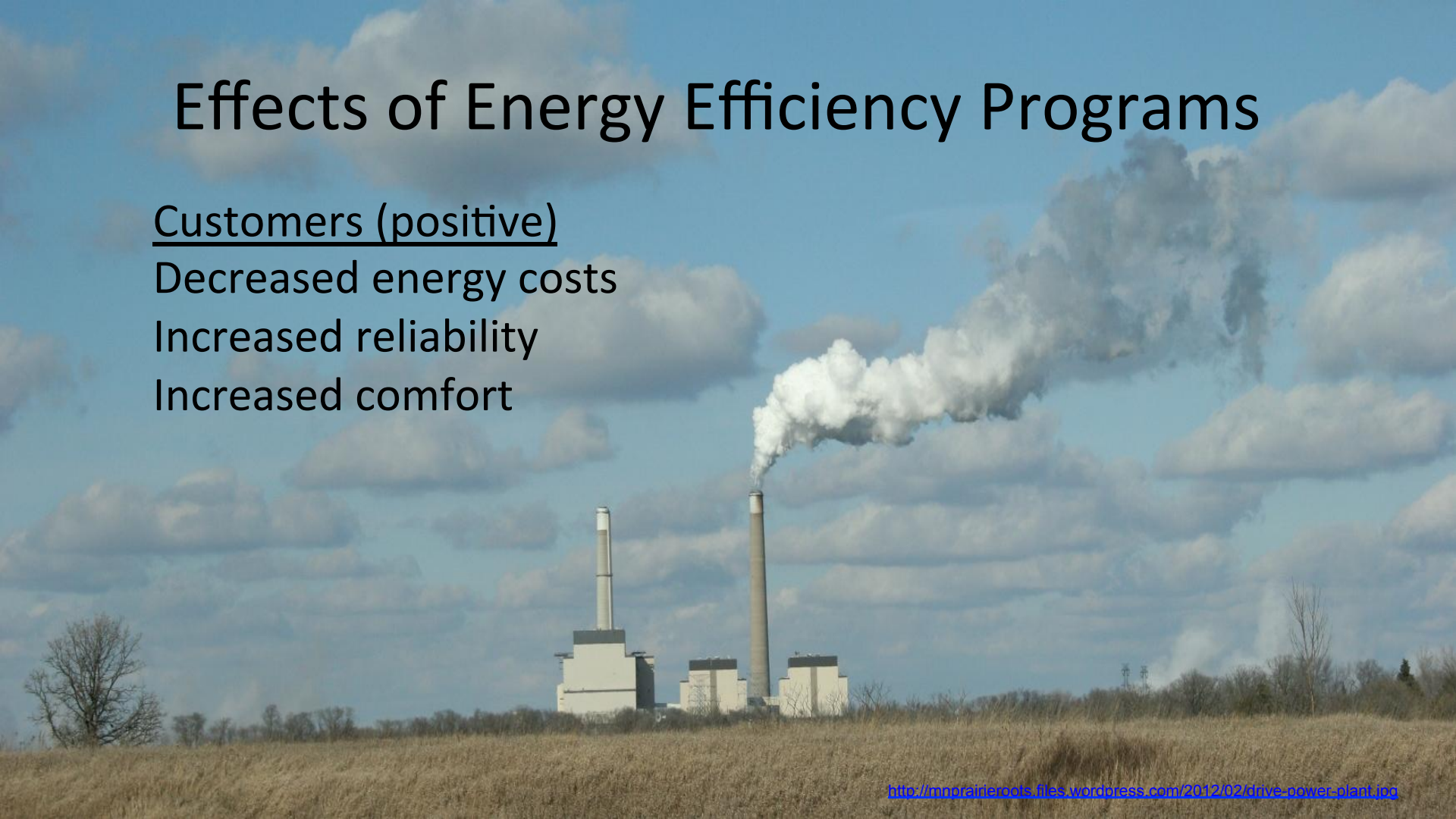
Effects of Energy Efficiency Programs

Customers (positive)

Decreased energy costs

Increased reliability

Increased comfort

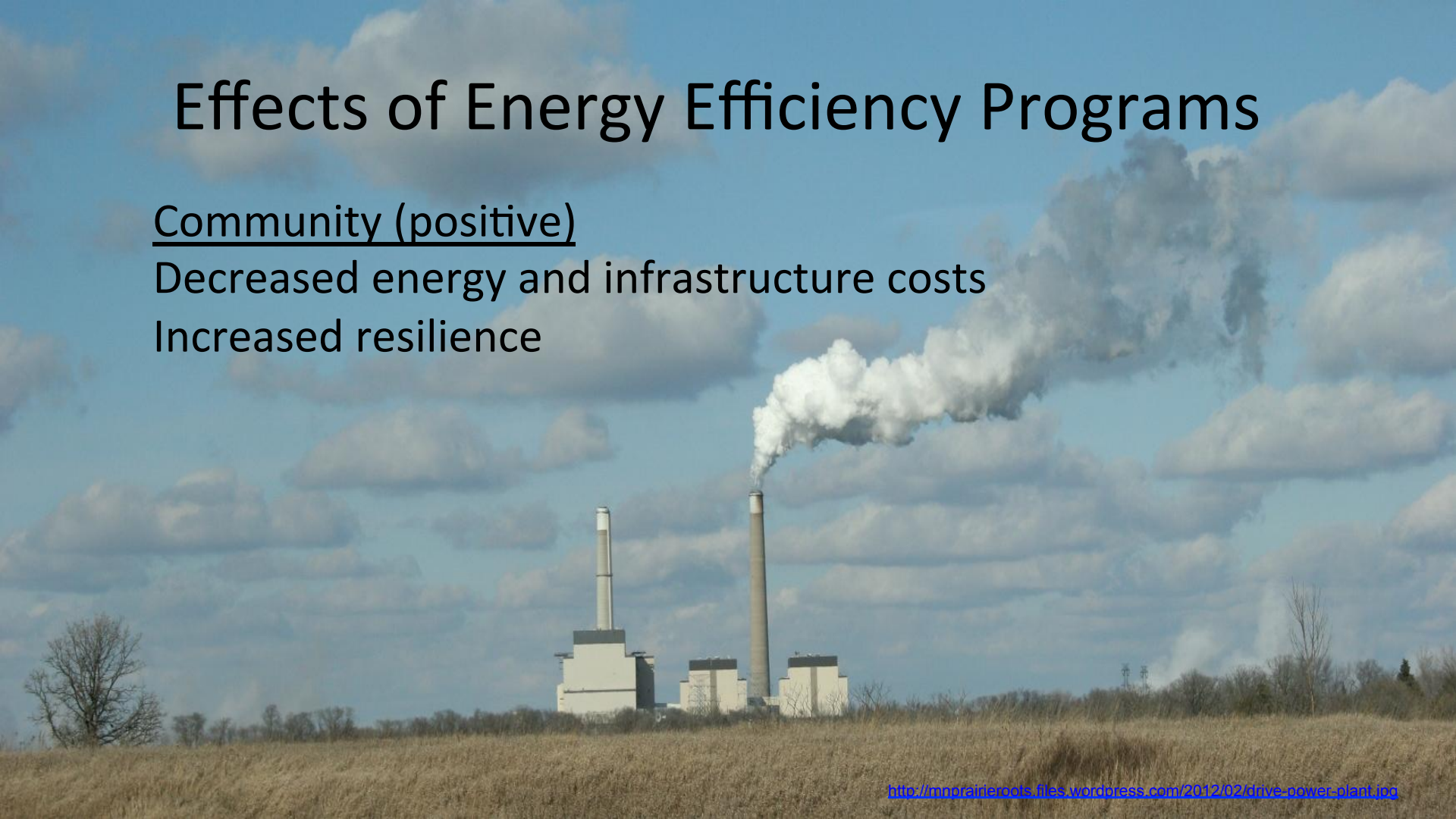


Effects of Energy Efficiency Programs

Community (positive)

Decreased energy and infrastructure costs

Increased resilience



Effects of Energy Efficiency Programs

Utility (positive)

Decreased peak energy demand

Increase customer satisfaction

Utility (negative)

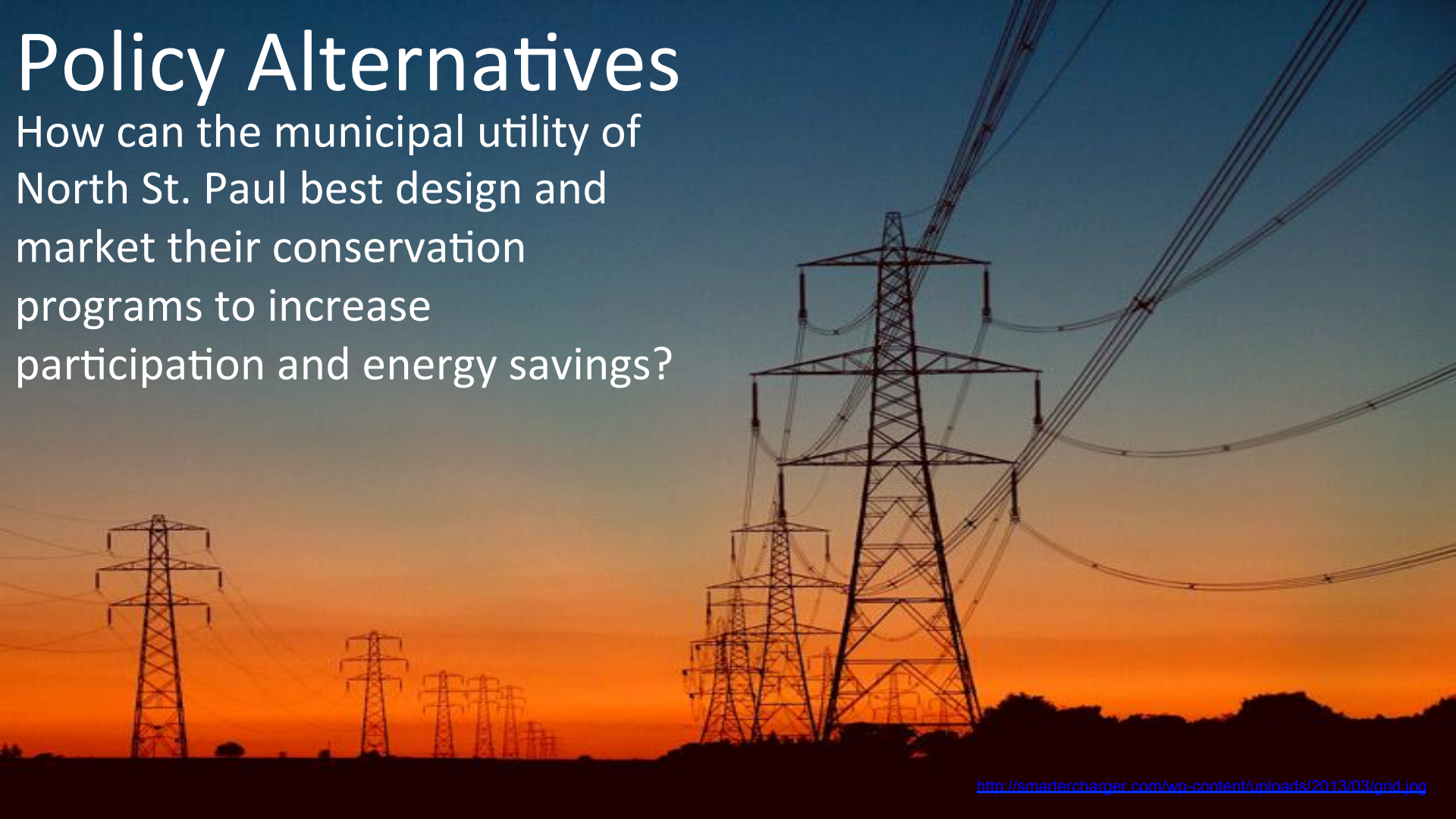
Increased costs from program administration

Decreased revenue



Policy Alternatives

How can the municipal utility of North St. Paul best design and market their conservation programs to increase participation and energy savings?



Policy Alternatives

- Increase marketing of existing programs
- New programs to help customers complete upgrades
- Establish community groups
- Lighting retrofits to homes and business