Putting Large Energy Users in the Driver's Seat:

Giving Customers More Control with Self-Direct Programs

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Our research explores economic impacts, financing options, behavior changes, program design, and utility planning, as well as US national, state, & local policy.

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The large customer problem

- Opt-out provisions exist in 13 states
- More considering opt-out, some before states have even developed comprehensive energy efficiency programs (DE, LA, MS)
- Passage of a large customer exemptions in IL, which eliminates the option to participate in utility programs, even if they want to.



Why large customers want out

- Large customers feel they already invest in all costeffective EE on their own as a matter of good business practice
- 2. Utility programs are not responsive to the needs of large customers
- 3. Participation in EE program charges creates a competitive disadvantage & may force companies to relocate to other states
- 4. Transaction cost or uncertainty of participation too high for the benefit



A response: design something that works for large customers

Self Direct



Defining opt-out and self-direct

- Opt-out (or exclusion provisions) allow large customers to stop contributing funding for energy efficiency programs, and may prevent utilities from incentivizing, measuring, or otherwise accounting for these savings in resource planning efforts
- Self-direct policies typically allow large customers to control how some or all of their energy efficiency fees are used, but do not allow them to opt out of fees & programs completely



Challenges exist, but good design responds to diverse customer needs





Principles for self-direct options

- The Self-Direct Program should be simple.
- It should avoid changing rules and "moving targets."
- It should allow customers to spend their own earmarked energy efficiency funds to make effective investments in energy efficiency projects without excessive pre-approvals or bureaucracy.



Elements to consider in a self-direct

- Allow flexibility for the customer in projects
- Allow for multi-year aggregation
- Provide certainty for funding availability
- Provide an alternative to the utility administrator in cases where there is lack of trust with the customer
- Require verifiable reporting of energy savings
- Provide recourse if customer doesn't spend money



How utility investment can unlock industrial opportunities



Low-risk, high return private investments. A small percentage of all possible energy efficiency projects.

Short-term return (1–2 years)

Public infrastructure investments with long-term benefits, like generation, transmission, and distribution systems.

Long-term return (10–20 years)

Partnered investments the customer would not make alone, but that represent deep energy savings and cost less than utility infrastructure.

Medium-term return (3–9 years)



Five first-step considerations for self-direct program option

- 1. Who runs the self-direct?
- 2. Are customers exempt from fees entirely?
- 3. Can the utility count the savings?
- 4. Is the focus on energy savings or customer spending?
- 5. What is the program planning horizon?



Fact sheet series on the value of industrial efficiency programs

"Its time to implement good industrial energy efficiency programs in your state"

http://aceee.org/topics/industrial-energy-efficiency-programs





Conclusions

- Need to understand customer needs
- Need to be responsive to their needs
- Need to communicate the value of energy efficiency
- Need to make case why participation is in their benefit
- Need to become a partner with large customers





Thank You!

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