

DESIGN EXERCISE

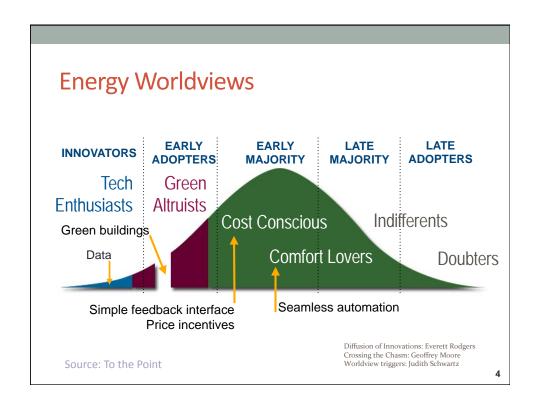
- 1. Choose a partner and discuss your personal energy worldviews. What is the table mix?
- 2. Discuss likely characteristics of your location
- 3. Determine the goals for your initiative to connect Climate Change, SG, EE, DER, etc.
- 4. What would be the measures of success?
- 5. Identify the strategy for your approach
- 6. Select, modify, or "design" new tools
- 7. Report back to the larger group

Vision Drivers = Big Picture Priorities vary across the country

- Energy independence & security
- Climate change and carbon footprint reduction
- Population growth
- Proliferation of consumer electronics
- Competitive, sustainable energy economy
- Green jobs and manufacturing
- Resale value of property

- More precise and efficient use of limited resources
- Empowering customers to be part of cost mitigation
- Make it easier for individuals to control their bills
- Infrastructure is aging to the point of unreliability
- Concern for future generations
- o Respond to extreme weather events

Source: NAPC Communications Umbrella Action Guide

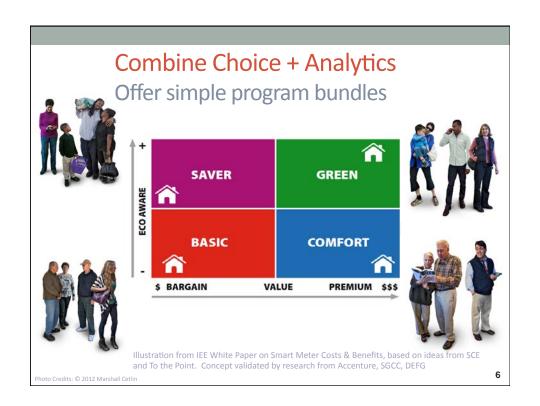


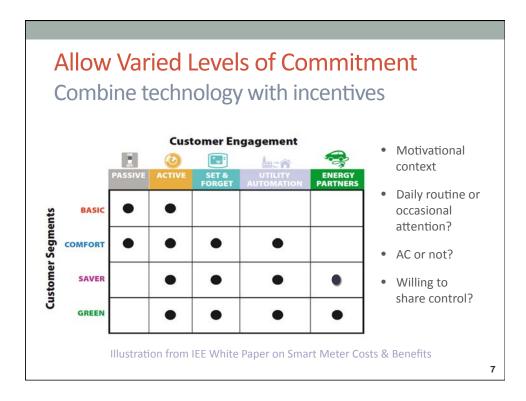
Value Propositions by Segment

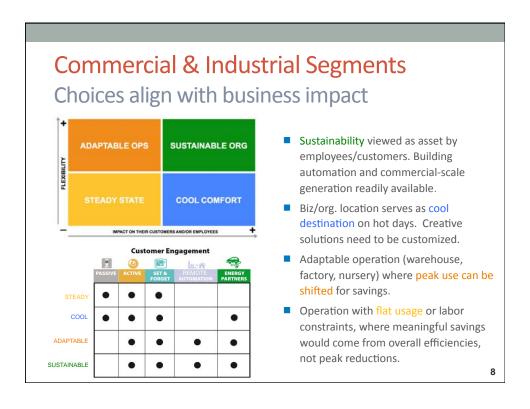
Medically-frail	Cost-conscious	Tech enthusiast
New technology will enable quicker responses and fewer outages in extreme weather, faster restoration of service for at-risk residents (after first responders), and pro-active contact with loved ones and EMT response teams.	Digital technology on the grid will allow you to know your current balance, get pricing feedback to allow simple actions and automation to keep your bills as low as possible. Frugal use of electricity will be rewarded financially.	The smart grid platform will allow you to know how your home is using energy and control usage anywhere from the device of your choosing. New and innovative tools and apps are hitting the market all the time.

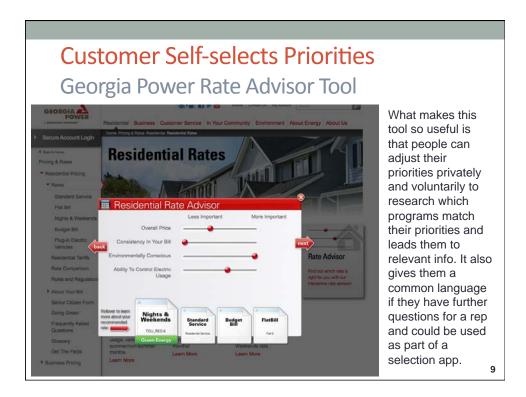
Indifferent	Green altruist	Comfort lover
Whether you choose to take any action or not, you will receive system-wide benefits including faster repairs and better customer service. You will be able to control who sees your usage information.	The smart grid makes it possible to support more varied renewable generation, electric vehicles, and energy-saving devices and appliances. Your smart energy choices reduce the need to build new power plants.	You'll stay comfortable with set and forget automation. You won't even be aware that your home energy management system is adjusting your AC, pool pump, and smart appliances to keep your bills manageable.

Source: NAPC Communications Umbrella Action Guide



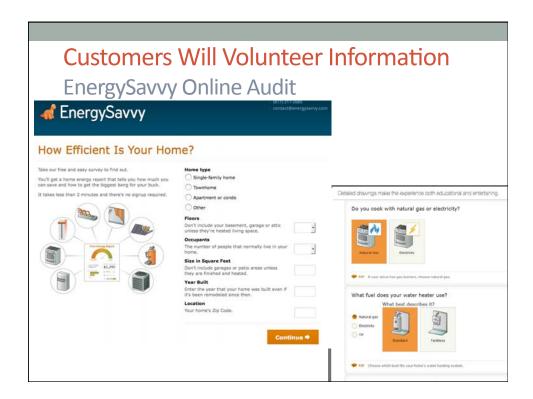












Social Media: Targeted, Two-Way Exchange

- Leverage where people already are congregating around a shared vision or interest
- Which partners and community groups already have thriving online networks?
- Outage and restoration updates during extreme weather provide incentives for customers to share contact details
- Staffing: pair digital natives with experienced experts
- Rapid response cycles needed
- People need their own reasons to participate in your online forums









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Reinforce Collective Impact

Portland General

- Self-selection + volunteered + account info + public databases
 personal energy profiles
- Analytics for content serving
- Requires staff participation
- Opportunities for residents to monetize data and behavior
- Relevant Green Button apps





Timely Reinforcement of Personal Action

One of the techniques that proved effective in the BGE peak time rebate program* was to follow the request to reduce usage on an event day with a reinforcing message letting people know how much they saved.

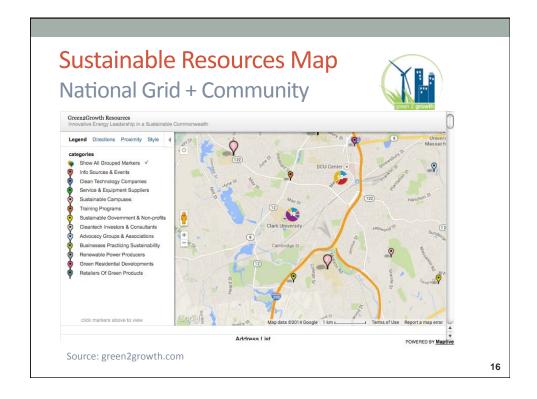
Timely visibility to one's energy budget or prepay account typically results in 14% reduction in usage.** Imagine how one could show the impact of personal and collective contribution to GHG reduction.

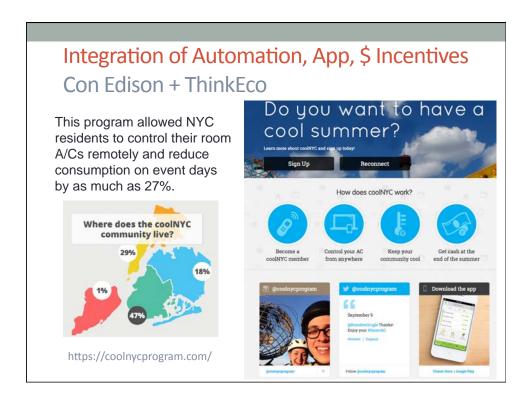
Sources: *BGE (Opower) 2013 rebate program
** DEFG Prepay studies

"This is a message from BGE. During the Wednesday, July 10th Energy Savings Day, you earned \$9.75 for reducing your energy use."

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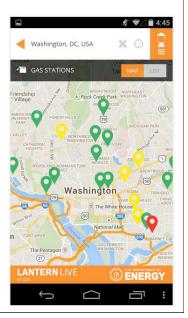


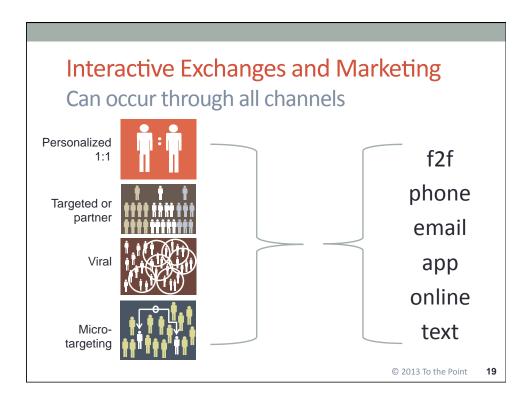
Lantern Live Mobile App

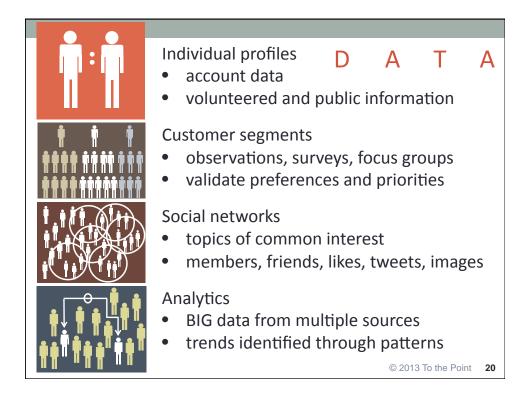
Department of Energy

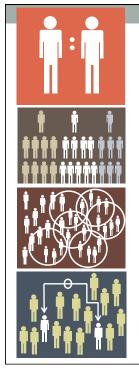
This new app "helps consumers quickly find and share critical information about nearby gas stations and power outages during energy emergencies. The app builds on the Obama Administration's commitment to improve national energy preparedness in the face of extreme weather and other events that can result in power disruptions."

Lantern Live is currently available free for Android devices through Google Play.









Profiles

- household
- **RELEVANCE**
- individual residents

Targeted content

- self-selected information paths
- delivery through channel partners

Integrated story or big vision

- multi-faceted narrative for everyone
- fluid self-selection within experiences

Analytics-driven content

- meta/detail data from multiple sources
- selections inferred from patterns
- dynamic, computer-generated output

2013 To the Point





