

Case studies from the utility sector and beyond

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POWERING WHAT'S **NEXT** 

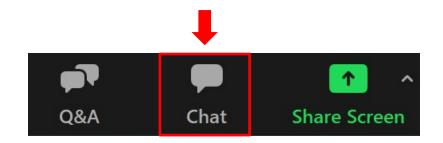
# This is a virtual roundtable discussion

- Participation is essential
- Use Zoom's chat feature to pose questions and share comments
- Unmute your line when you're ready to speak (\*6)
- Turn your video on



#### Logistics for our discussion

- Select Chat on the bottom toolbar
- Enter your question for Beth,
   Amy, or the discussion group
- We'll queue up your questions and work through as many as we can





### Today's agenda

- WattTime DR program enrollment strategies
- Postevent feedback and implications for ongoing participation and performance
- Using social science to improve program enrollment and participation
- Discussion—throughout!



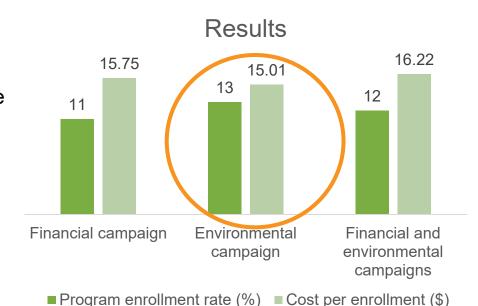
### Effectiveness of marketing and incentives



## WattTime and Great Lakes Protection Fund enrollment experiment

### Specific goal: Avoid running coal peaker plants

- Program type: Residential demand response
- Experiment
  - Group 1: financial campaign only
  - Group 2: environmental campaign only
  - Group 3: financial and environmental campaigns



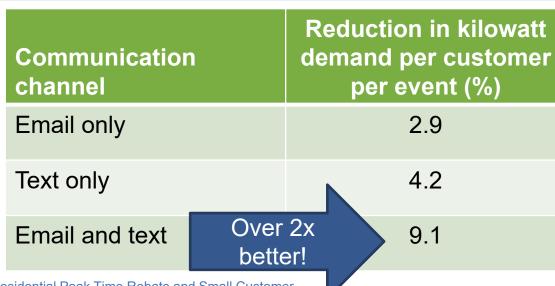
Source: Customer Response to Demand Response (PDF), WattTime

#### Case study on communication



#### SDG&E residential peak-time rebates

- Customers who enrolled in both email and text alerts outperformed those with only one communication channel.
- Consider having both email and phone alerts as the default option.



Source: 2017 Impact Evaluations of San Diego Gas & Electric's Residential Peak Time Rebate and Small Customer

Technology Deployment Programs, SDG&E







### Insights from behavioral science

- Commitment (including goal setting)
- Feedback
- Follow-through
- Framing (e.g., choice architecture)
- In-person interactions
- Rewards or gifts
- Social norms
- Efficiency beyond widgets





#### Related E Source research

<u>programs</u>
<u>resource center</u>
(a collection of reports)

From direct load control to flexible grid management:
The evolution of demand response (report)

Increasing
demand-response
program
performance
(data science case
study)

PowerTalking
episode 2: The
past, present, and
future of demand
response
(podcast)

## Demand-side management Upcoming research

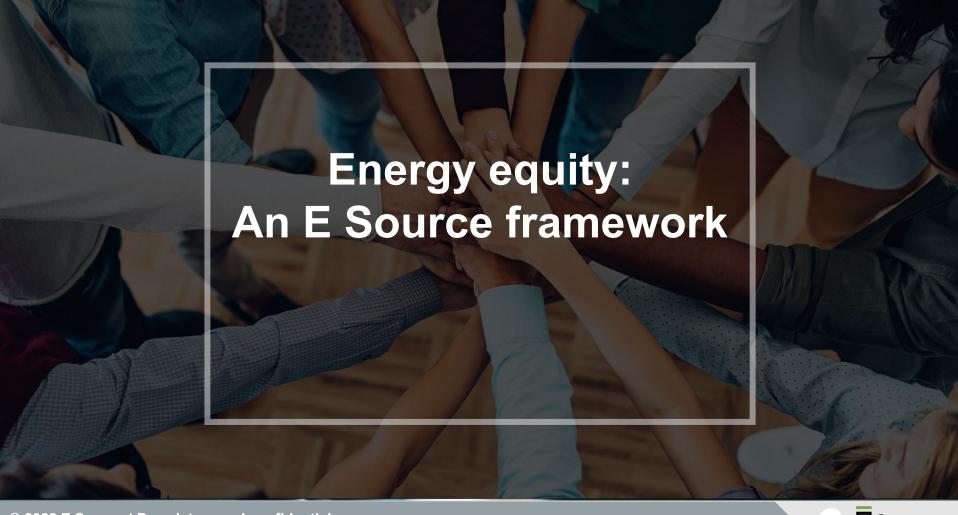
Designing a centralized data strategy for DSM programs

Understanding behavioral persistence of savings

Driving load flexibility with commercial and industrial automated DR

Residential DR programs and incentives comparison

From the E Source 2022 Residential DR Programs and Incentives Comparison study



### Thank you! Questions?



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