



Beth Fitzjarrald, Contractor, Customer Energy Solutions



POWERING WHAT'S NEXT

Your host for today's event



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This is a virtual roundtable discussion

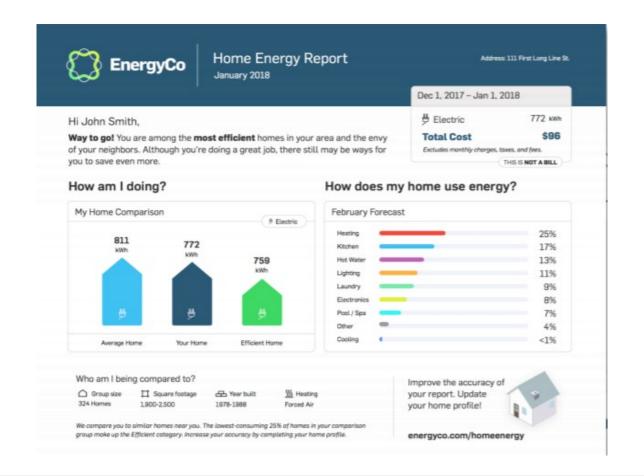
- Participation is essential
- Use Zoom's chat feature to pose questions and share comments
- Unmute your line when you're ready to speak (*6)
- Turn your video on



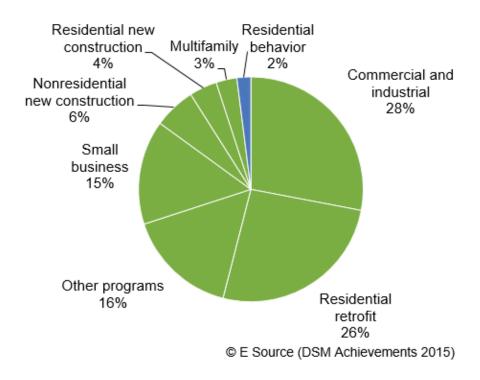


What the heck is behavior science?

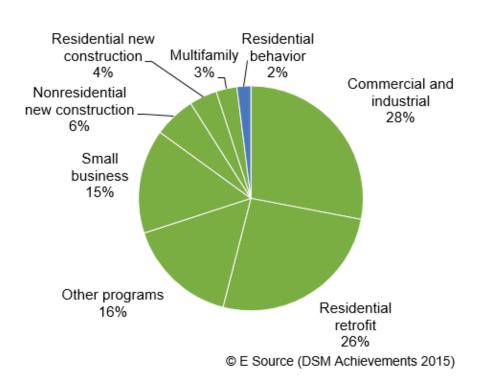


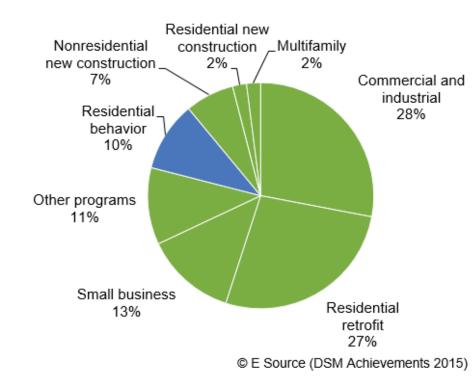


Role of behavior in portfolios

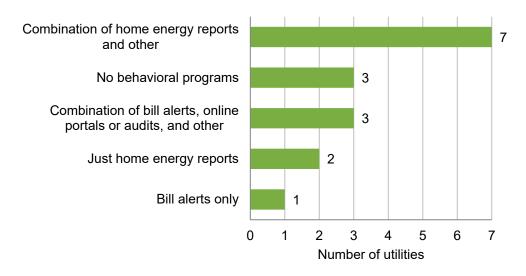


Role of behavior in portfolios





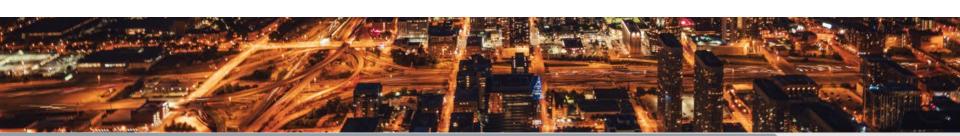
Poll: What behavioral programs does your utility offer?



© E Source. **Base:** Event attendees (n = 16). **Question:** What behavioral programs does your utility offer? **Note:** Respondents could choose more than one option.



Behavior tools for demandside management



A menu of opportunities

Common behavioral strategies useful for utility programs







Convenience



Feedback



Framing



Goal-setting



Incentives



Prompts



Social diffusion



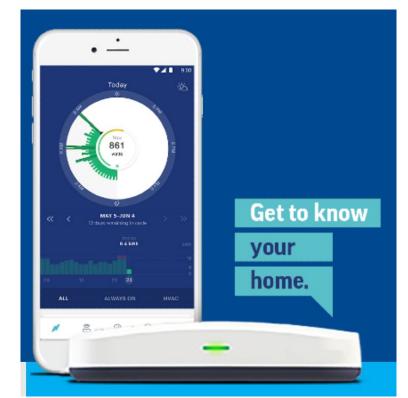
Social norms



Trusted messenger

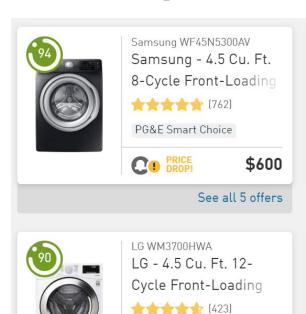
Usage portals and apps

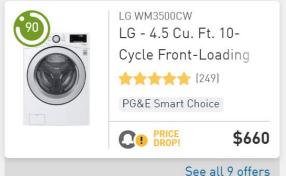
- Bill estimates, goals, usage info, tips
- Weekly challenges and rewards
- Feedback, goals, norms, convenience, competition



Source: DTE Energy

Marketplaces for behavior?









Source: PG&E



PRICE DROP!

PG&F Smart Choice

\$527

See all 8 offers

Energy advisers



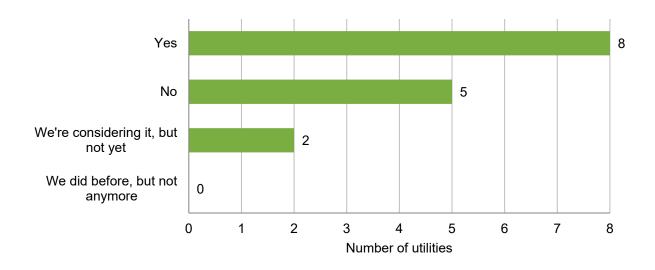
Source: Xcel Energy

- Customer advocate through program
- Trusted messenger, prompts and follow-through, convenience, information

Is prepay a behavior program?

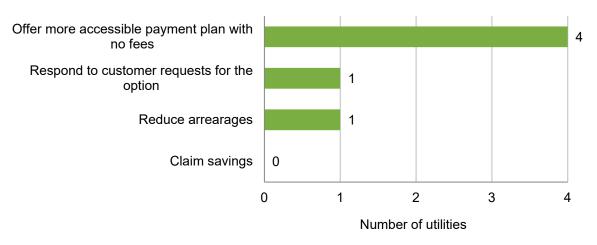


Poll: Do you offer prepaid billing at your utility?



© E Source. Base: Event attendees (n = 15). Question: Do you offer prepaid billing at your utility?

Poll: If you offer prepaid billing, why? What is your utility's goal?



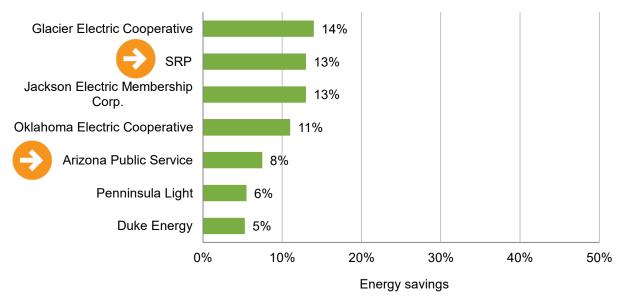
© E Source. **Base:** Event attendees (n = 5). **Question:** If you offer prepaid billing, why? What is your utility's goal? **Note:** Respondents could choose more than one option.

Prepay offers customers feedback, prompts, convenience, goal setting.



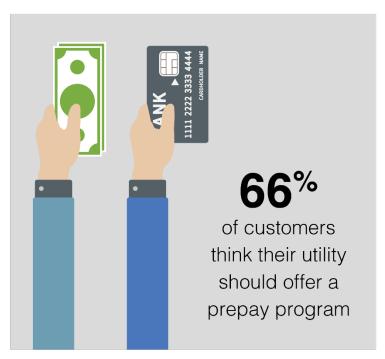


Prepay produces savings of 5%–14%

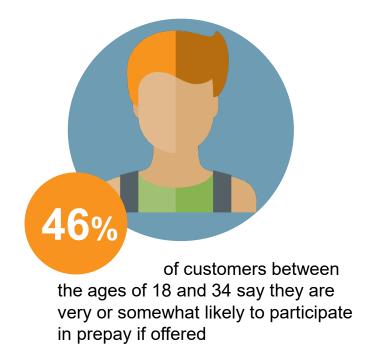


© E Source. Notes: Data current as of 2016. SRP's energy savings ranged from 11% to 13%.

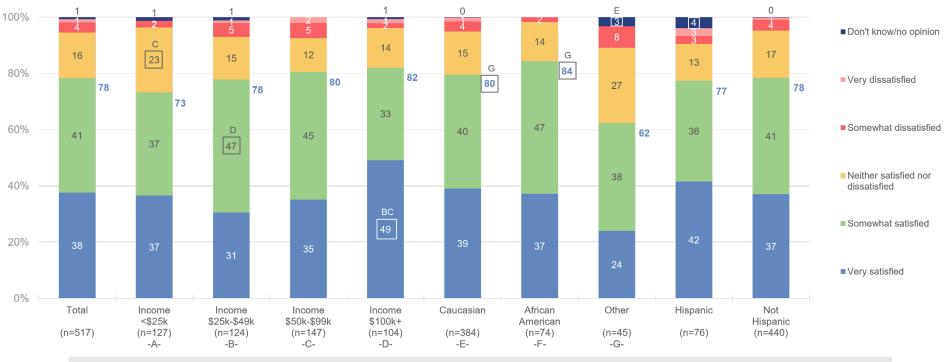
Customers want prepay



Source: E Source 2023 Annual Prepay Survey



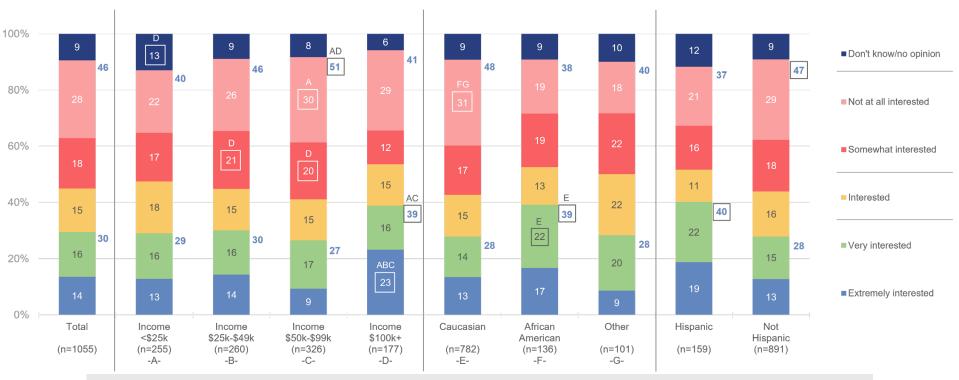
Satisfaction with prepayment



Base: Total Used Prepaid Card

M5. How would you generally rate your satisfaction with using prepayment as an option to make purchases or contract for services?

Interest in voluntary prepayment for utilities

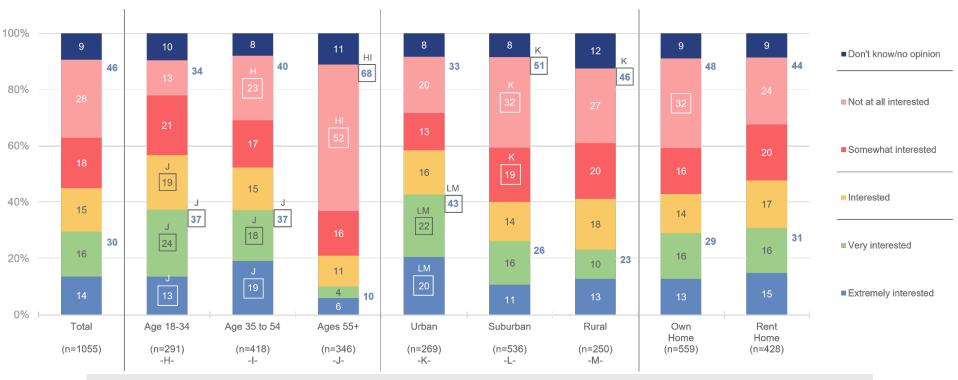


Base: Total Respondents

M6. (See slide notes for full question) If your local utility or provider were to offer a voluntary prepaid option for consumers, how interested would you be?



Interest in voluntary prepayment for utilities (cont'd.)



Base: Total Respondents

M6. (See slide notes for full question) If your local utility or provider were to offer a voluntary prepaid option for consumers, how interested would you be?

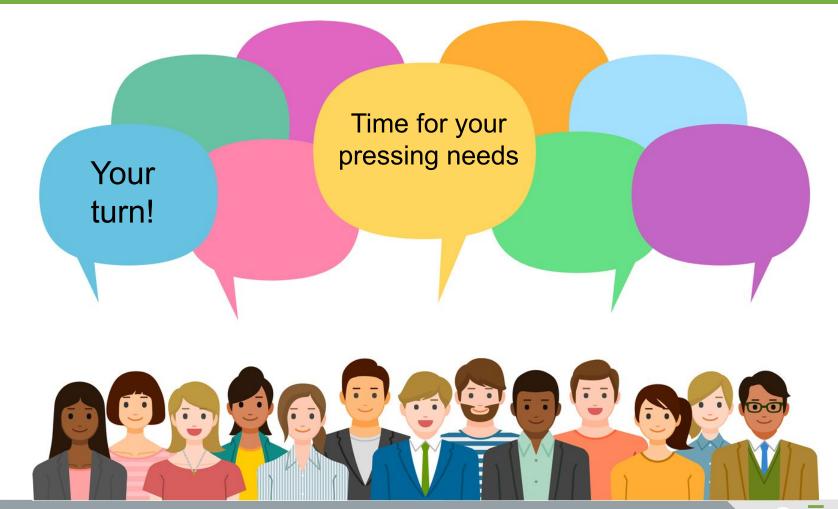


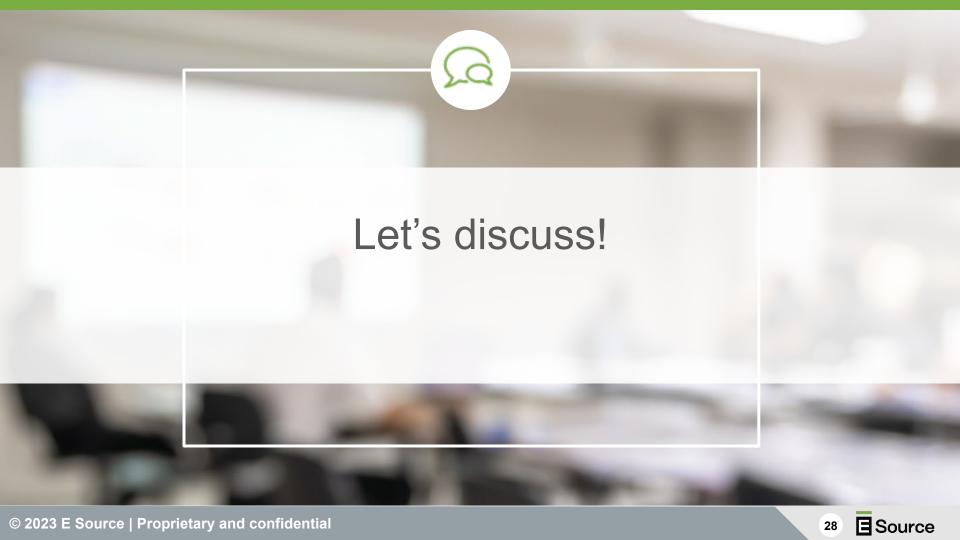
Two benefits of prepaying for energy service

		Household Income				Race			Ethnicity	
	Total	Income <\$25k -A-	Income \$25k-\$49k -B-	Income \$50k-\$99k -C-	Income \$100k+ -D-	Caucasian -E-	African American -F-	Other -G-	Hispanic	Not Hispanic
Total Respondents	(1055)	(255)	(260)	(326)	(177)	(782)	(136)	(101)	(159)	(891)
	%	%	%	%	%	%	%	%	%	%
It eliminates surprises on the size of the utility bill	41	34	47 A	40	41	43 G	35	30	38	41
It improves family budgeting	35	34	36	35	35	36	30	37	32	36
I get control over my usage and cost	35	36	36	33	35	33	40	39	38	34
There is no need to make a security deposit to start service	29	28	27	30	27	29	31	30	27	29
It is a way to simultaneously keep lights on and pay down debt in small amounts	26	27	24	25	26	25	29	26	24	25
It is an alternative to making utility payment arrangement	21	21	15	21	26 B	20	21	24	25	20
You can apply the existing security deposit to pay any past due amount	14	18 D	14	16	9	14	16	13	15	14

Base: Total Respondents

M10. From your perspective, what would be the top two benefits of prepaying for energy service?







Related research

- Behavioral DSM programs resource center (a collection of our research)
- Residential behavioral programs and strategies, Beth Fitzjarrald, E Source (2023)—recently updated!
- Prepay programs can change customer behavior and save energy, Beth Fitzjarrald, E Source (2021)



Demand-side management and PEWG Upcoming research and events

2023 Prepay Energy Working Group

October 4 and 5
JEA headquarters
Jacksonville, Florida

DSM portfolios without lighting

Residential demand response update

State of the midstream



FORUM 2023



www.esource.com/forum2023

Thank you!



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