

Determinants of Demand Response Program Participation

Title	Determinants of Demand Response Program Participation
Identifier	Willingness-to-pay
Identifier	Demand Response
Identifier	Smart Thermostat
Identifier	Electricity Use
Variable Count	139

consent

Type	Numeric (Integer)
Description	Participant response to the informed consent form.

coolingthermo

Type	Numeric (Integer)
Numeric Details	Scale: 1
Description	<p>Does your household have a controllable thermostat connected to a cooling system (e.g., AC, evaporative cooler, heat pump, etc.)?</p> <p>No (0) Yes (1) I don't have a cooling system in my home (2)</p>

getsbill

Type	Numeric (Integer)
Description	<p>Does your household receive a monthly electric bill directly from a power or utility company?</p> <p><input type="radio"/> No (0) <input type="radio"/> Yes (1)</p>

paysbill

Type	Numeric (Integer)
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Description	<p>Is the monthly electric bill you pay only for your household’s electricity use (and not for other houses, other apartments, or any other residential housing unit)?</p> <p>o No, the monthly electric bill I pay is for multiple houses, apartments, or other residential units (0)</p> <p>o Yes, the monthly electric bill I pay is only for my household’s electricity use (1)</p>
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rent

Type	Numeric (Integer)
Description	<p>Do you rent or own your primary residence?</p> <p>o Rent (0)</p> <p>o Own (1)</p>

rentpermis

Type	Numeric (Integer)
Description	<p>Since you indicated that you rent your primary residence, do you have permission (or could likely obtain permission) from your landlord to upgrade your cooling thermostat?</p> <p>o No (0)</p> <p>o Yes, I have permission from my landlord (1)</p> <p>o Yes, I could likely obtain permission from my landlord (2)</p>

gender

Type	Numeric (Integer)
Description	<p>What is your gender?</p> <p>o Male (0)</p> <p>o Female (1)</p> <p>o Other or none of the above (2)</p>

age

Type	Numeric (Integer)
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Description	<p>What year were you born?</p> <p>I was born in the year... (please specify below; YYYY)</p> <p>(Age calculated from answer)</p>
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hispanic

Type	Numeric (Integer)
Description	<p>Do you consider yourself to be Hispanic, Latino, or Spanish?</p> <p><input type="radio"/> No (0)</p> <p><input type="radio"/> Yes (1)</p>

race

Type	Text
Description	<p>Which of the following best describes your race? Check all that apply.</p> <p><input type="checkbox"/> White (1)</p> <p><input type="checkbox"/> Black or African American (2)</p> <p><input type="checkbox"/> Asian (3)</p> <p><input type="checkbox"/> Native Hawaiian or Pacific Islander (4)</p> <p><input type="checkbox"/> Native American or Alaska Native (5)</p> <p><input type="checkbox"/> Other (please specify below) (6)</p>

race_6_TEXT

Type	Unknown
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region

Type	Numeric (Integer)
Description	<p>What region do you live in?</p> <p><input type="radio"/> Midwest (1)</p> <p><input type="radio"/> Northeast (2)</p> <p><input type="radio"/> South (3)</p> <p><input type="radio"/> West (4)</p>

coolingown

Type	Unknown
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Description	<p>Do you have any of the following cooling devices in your home? Check all that apply.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Central electric air conditioner ("AC") (1) <input type="checkbox"/> Evaporative cooler ("swamp cooler") (2) <input type="checkbox"/> Individual electric window or wall cooling unit (3) <input type="checkbox"/> Ground heat exchanger or heat pump (4) <input type="checkbox"/> Fans (ceiling, floor, or tabletop) (5) <input type="checkbox"/> Other cooling device (6)
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summertemp_1

Type	Numeric (Integer)
Description	<p>Matrix Style Question.</p> <p>(Main Q) During a typical summer day (June-August), what temperature do you set on your primary home cooling thermostat?</p> <p>(Modifier Q) When someone is at home (choose one option)</p> <ul style="list-style-type: none"> <input type="radio"/> Lower than 64°F (1) <input type="radio"/> 64-69°F (2) <input type="radio"/> 70-74°F (3) <input type="radio"/> 75-79°F (4) <input type="radio"/> 80-84°F (5) <input type="radio"/> Higher than 84°F (6)

summertemp_2

Type	Numeric (Integer)
Description	<p>Matrix Style Question.</p> <p>(Main Q) During a typical summer day (June-August), what temperature do you set on your primary home cooling thermostat?</p> <p>(Modifier Q) When no one is at home (choose one option)</p> <ul style="list-style-type: none"> <input type="radio"/> Lower than 64°F (1) <input type="radio"/> 64-69°F (2) <input type="radio"/> 70-74°F (3) <input type="radio"/> 75-79°F (4) <input type="radio"/> 80-84°F (5) <input type="radio"/> Higher than 84°F (6)

summertemp_3

Type	Numeric (Integer)
Description	<p>Matrix Style Question.</p> <p>(Main Q) During a typical summer day (June-August), what temperature do you set on your primary home cooling thermostat?</p> <p>(Modifier Q) When someone is at home (choose one option)</p> <ul style="list-style-type: none"> <input type="radio"/> Lower than 64°F (1) <input type="radio"/> 64-69°F (2) <input type="radio"/> 70-74°F (3) <input type="radio"/> 75-79°F (4) <input type="radio"/> 80-84°F (5) <input type="radio"/> Higher than 84°F (6)

summertemp_4

Type	Numeric (Integer)
Description	<p>Matrix Style Question.</p> <p>(Main Q) During a typical summer day (June-August), what temperature do you set on your primary home cooling thermostat?</p> <p>(Modifier Q) When no one is at home (choose one option)</p> <ul style="list-style-type: none"> <input type="radio"/> Lower than 64°F (1) <input type="radio"/> 64-69°F (2) <input type="radio"/> 70-74°F (3) <input type="radio"/> 75-79°F (4) <input type="radio"/> 80-84°F (5) <input type="radio"/> Higher than 84°F (6)

timehome_1 - Weekday

Type	Text
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Description	<p>On a typical summer day (June-August), is anyone at your home during the following hours?</p> <p>Weekday (Check all that apply) (1) 5am - 9am (early morning) (1) 9am - 5pm (daytime) (2) 5pm - 9pm (evening) (3) 9pm - 5am (overnight) (4)</p>
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timehome_2 - Weekend

Type	Text
Description	<p>On a typical summer day (June-August), is anyone at your home during the following hours?</p> <p>Weekend (Check all that apply) (2) 5am - 9am (early morning) (1) 9am - 5pm (daytime) (2) 5pm - 9pm (evening) (3) 9pm - 5am (overnight) (4)</p>

applianceown

Type	Text
Description	<p>Do you have any of the following household appliances? Check all that apply.</p> <p><input type="checkbox"/> Washing machine (1) <input type="checkbox"/> Electric clothes dryer (non-gas) (2) <input type="checkbox"/> Dishwasher (3) <input type="checkbox"/> Electric water heater (non-gas) (4) <input type="checkbox"/> Refrigerator and/or stand-alone freezer (5) <input type="checkbox"/> I have none of the above appliances in my home (6)</p>

applianceuse_1 - Washing Machine

Type	Numeric (Integer)
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Description	<p>Matrix Question.</p> <p>(Main Q) During a typical summer week, how many times do you or your family members use the following appliances at your home?</p> <p>(Modifer Q) Washing Machine (choose one option)</p> <p>I don't have this device in my home (9)</p> <p>0 times per week (0)</p> <p>1 time per week (1)</p> <p>2 times per week (2)</p> <p>3 times per week (3)</p> <p>4 times per week (4)</p> <p>5 times per week (5)</p> <p>6 times per week (6)</p> <p>7 times per week (7)</p>
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applianceuse_2 - Electric Clothes Dryer

Type	Numeric (Integer)
Description	<p>Matrix Question.</p> <p>(Main Q) During a typical summer week, how many times do you or your family members use the following appliances at your home?</p> <p>(Modifer Q) Electric Clothes Dryer (choose one option)</p> <p>I don't have this device in my home (9)</p> <p>0 times per week (0)</p> <p>1 time per week (1)</p> <p>2 times per week (2)</p> <p>3 times per week (3)</p> <p>4 times per week (4)</p> <p>5 times per week (5)</p> <p>6 times per week (6)</p> <p>7 times per week (7)</p>

applianceuse_3 - Dishwasher

Type	Numeric (Integer)
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Description	<p>Matrix Question.</p> <p>(Main Q) During a typical summer week, how many times do you or your family members use the following appliances at your home?</p> <p>(Modifier Q) Dishwasher (choose one option)</p> <p>I don't have this device in my home (9)</p> <p>0 times per week (0)</p> <p>1 time per week (1)</p> <p>2 times per week (2)</p> <p>3 times per week (3)</p> <p>4 times per week (4)</p> <p>5 times per week (5)</p> <p>6 times per week (6)</p> <p>7 times per week (7)</p>
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washtime_week

Type	Numeric (Integer)
Description	<p>On a typical summer weekday, when is your household likely to wash clothes at home? Select the option that best applies to your household.</p> <p><input type="radio"/> 6am - 9am (early morning) (1)</p> <p><input type="radio"/> 9am - 2pm (midday) (2)</p> <p><input type="radio"/> 2pm - 8pm (late afternoon/evening) (3)</p> <p><input type="radio"/> 8pm - midnight (late evening) (4)</p> <p><input type="radio"/> Midnight - 6am (overnight) (5)</p> <p><input type="radio"/> I don't wash clothes on weekdays (6)</p>

washtime_weekend

Type	Numeric (Integer)
Description	<p>On a typical summer weekend, when is your household likely to wash clothes at home? Select the option that best applies to your household.</p> <p><input type="radio"/> 6am - 9am (early morning) (1)</p> <p><input type="radio"/> 9am - 2pm (midday) (2)</p> <p><input type="radio"/> 2pm - 8pm (late afternoon/evening) (3)</p> <p><input type="radio"/> 8pm - midnight (late evening) (4)</p> <p><input type="radio"/> Midnight - 6am (overnight) (5)</p> <p><input type="radio"/> I don't wash clothes on weekends (6)</p>

dryertime_weekday

Type	Numeric (Integer)
Description	<p>On a typical summer weekday, when is your household likely to dry clothes at home using an electric clothes dryer? Select the option that best applies to your household.</p> <ul style="list-style-type: none"> <input type="radio"/> 6am - 9am (early morning) (1) <input type="radio"/> 9am - 2pm (midday) (2) <input type="radio"/> 2pm - 8pm (late afternoon/evening) (3) <input type="radio"/> 8pm - midnight (late evening) (4) <input type="radio"/> Midnight - 6am (overnight) (5) <input type="radio"/> I don't dry clothes on weekdays (6)

dryertime_weekend

Type	Numeric (Integer)
Description	<p>On a typical summer weekend, when is your household likely to dry clothes at home using an electric clothes dryer? Select the option that best applies to your household.</p> <ul style="list-style-type: none"> <input type="radio"/> 6am - 9am (early morning) (1) <input type="radio"/> 9am - 2pm (midday) (2) <input type="radio"/> 2pm - 8pm (late afternoon/evening) (3) <input type="radio"/> 8pm - midnight (late evening) (4) <input type="radio"/> Midnight - 6am (overnight) (5) <input type="radio"/> I don't dry clothes on weekends (6)

dishtime_weekday

Type	Numeric (Integer)
Description	<p>During a typical summer weekday, when is your household likely to run the dishwasher? Select the option that best applies to your household.</p> <ul style="list-style-type: none"> <input type="radio"/> 6am - 9am (early morning) (1) <input type="radio"/> 9am - 2pm (midday) (2) <input type="radio"/> 2pm - 8pm (late afternoon/evening) (3) <input type="radio"/> 8pm - midnight (late evening) (4) <input type="radio"/> Midnight - 6am (overnight) (5) <input type="radio"/> I don't use the dishwasher during weekdays (8)

dishtime_weekend

Type	Numeric (Integer)
Description	<p>During a typical summer weekend, when is your household likely to run the dishwasher? Select the option that best applies to your household.</p> <ul style="list-style-type: none"> <input type="radio"/> 6am - 9am (early morning) (1) <input type="radio"/> 9am - 2pm (midday) (2) <input type="radio"/> 2pm - 8pm (late afternoon/evening) (3) <input type="radio"/> 8pm - midnight (late evening) (4) <input type="radio"/> Midnight - 6am (overnight) (5) <input type="radio"/> I don't use the dishwasher during the weekends (8)

typethermo

Type	Numeric (Integer)
Description	<p>What type of thermostat do you currently have at your home for your primary cooling system? If you have multiple thermostats in your home, please select the option that best describes the most common type you own.</p> <ul style="list-style-type: none"> <input type="radio"/> Manual, analog, or mechanical thermostat (non-digital) (1) <input type="radio"/> Digital non-programmable thermostat (2) <input type="radio"/> Programmable digital thermostat (3) <input type="radio"/> Wi-Fi enabled "smart" digital thermostat (4) <input type="radio"/> Not sure (5)

essentialapps

Type	Text
Description	<p>Thinking carefully about which devices you would absolutely need to use, no matter what, which of the following devices do you consider to be the most essential in your home? Check all that apply.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Cooling system (1) <input type="checkbox"/> Heating system (2) <input type="checkbox"/> Fans (ceiling, floor, or tabletop) (3) <input type="checkbox"/> Water heater (4) <input type="checkbox"/> Dishwasher (5) <input type="checkbox"/> Refrigerator and/or stand-alone freezer (6) <input type="checkbox"/> Clothes dryer (7) <input type="checkbox"/> Washing machine (8) <input type="checkbox"/> Other (please specify below) (9)

essentialapps_9_TEXT

Type	Text
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Description	Other (please specify below) text response from essentialapps
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outage_occurrence

Type	Numeric (Integer)
Description	<p>How long ago was your household's most recent power outage?</p> <ul style="list-style-type: none"> <input type="radio"/> My home has never experienced a power outage (1) <input type="radio"/> Less than 6 months ago (2) <input type="radio"/> More than 6 months, but less than 1 year ago (3) <input type="radio"/> More than 1 year ago (4) <input type="radio"/> Not sure (5)

outage_recent_length

Type	Numeric (Integer)
Description	<p>Approximately how long was your household's most recent power outage?</p> <ul style="list-style-type: none"> <input type="radio"/> A few minutes, but less than one hour (1) <input type="radio"/> A few hours (1-4 hours) (2) <input type="radio"/> Multiple hours (5-11 hours) (3) <input type="radio"/> Half a day to a full day (12-24 hours) (4) <input type="radio"/> 1-3 days (5) <input type="radio"/> 4-6 days (6) <input type="radio"/> One week (7 days) (7) <input type="radio"/> More than one week, but less than one month (8) <input type="radio"/> Greater than one month (9)

outage_longest

Type	Numeric (Integer)
Description	<p>To the best of your memory, what is the longest power outage ever experienced by your household?</p> <ul style="list-style-type: none"> <input type="radio"/> A few minutes, but less than one hour (1) <input type="radio"/> A few hours (1-4 hours) (2) <input type="radio"/> Multiple hours (5-11 hours) (3) <input type="radio"/> Half a day to a full day (12-24 hours) (4) <input type="radio"/> 1-3 days (5) <input type="radio"/> 4-6 days (6) <input type="radio"/> One week (7 days) (7) <input type="radio"/> More than one week, but less than one month (8) <input type="radio"/> Greater than one month (9)

outage_longest_lengt

Type	Numeric (Integer)
Description	<p>How long ago was your household’s longest power outage?</p> <ul style="list-style-type: none"> <input type="radio"/> Less than 6 months ago (0) <input type="radio"/> More than 6 months, but less than 1 year ago (1) <input type="radio"/> More than 1 year ago (2)

dr_experience

Type	Numeric (Integer)
Description	<p>Has your household ever participated (or is currently participating) in a demand response or energy management program with an electricity provider? For example, a program that rewards your household for reducing electricity and/or appliance use during certain hours of the day.</p> <ul style="list-style-type: none"> <input type="radio"/> No (0) <input type="radio"/> Yes (1)

vote_programA_1

Type	Numeric (Integer)
Description	<p>Think about a situation in which your household has the opportunity to participate in Program A for one summer (June-August), such as by signing up on your electricity provider’s website or by responding to a form mailed to you by your provider. At the end of the summer, your household would have the option of deciding whether or not to continue its future participation in the program. Keeping in mind the details of Program A, its impacts to your household and the environment, and the fact that it would not cost you anything, would your household participate in Program A for one summer (June-August)?</p> <ul style="list-style-type: none"> <input type="radio"/> No (0) <input type="radio"/> Yes (1) <input type="radio"/> Not sure (2)

cvbid_continuousA1t1 - Track 1

Type	Numeric (Integer)
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Description	<p>Assuming that you do not know by how much your electric bill would decrease under Program A, would your household participate in Program A for one summer (June-August) if your electric provider gave you a \$\$\{cv_bid_A\} monthly money reward for each of the months of June, July, and August?</p> <p><input type="radio"/> No (0) <input type="radio"/> Yes (1) <input type="radio"/> Not sure (2)</p>
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cvbid_continuousA1t2 - Track 2

Type	Numeric (Integer)
Description	<p>Assuming that you do not know by how much your electric bill would decrease under Program A, would your household participate in Program A for one summer (June-August) if your electric provider gave you a \$\$\{cv_bid_A\} monthly money reward for each of the months of June, July, and August?</p> <p><input type="radio"/> No (0) <input type="radio"/> Yes (1) <input type="radio"/> Not sure (2)</p>

cvbid_continuousA1t3 - Track 3

Type	Numeric (Integer)
Description	<p>Assuming that you do not know by how much your electric bill would decrease under Program A, would your household participate in Program A for one summer (June-August) if your electric provider gave you a \$\$\{cv_bid_A\} monthly money reward for each of the months of June, July, and August?</p> <p><input type="radio"/> No (0) <input type="radio"/> Yes (1) <input type="radio"/> Not sure (2)</p>

cvconf_continuousA_n

Type	Numeric (Integer)
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Description	<p>On a scale from zero to ten, where zero means not at all certain and ten means completely certain, how certain are you that your household would not participate in Program A for one summer (June-August) if it received a \$\$\{cv_bid_A\} monthly money reward for each of the months of June, July, and August?</p> <ul style="list-style-type: none"> o 0 - Not at all certain (1) o 1 (2) o 2 (3) o 3 (4) o 4 (5) o 5 (6) o 6 (7) o 7 (8) o 8 (9) o 9 (10) o 10 - Completely certain (11)
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cvconf_continuousA_u

Type	Numeric (Integer)
Description	<p>On a scale from zero to ten, where zero means not at all certain and ten means completely certain, how certain are you that your household would participate in Program A for one summer (June-August) if it received a \$\$\{cv_bid_A\} monthly money reward for each of the months of June, July, and August?</p> <ul style="list-style-type: none"> o 0 - Not at all certain (1) o 1 (2) o 2 (3) o 3 (4) o 4 (5) o 5 (6) o 6 (7) o 7 (8) o 8 (9) o 9 (10) o 10 - Completely certain (11)

protest_noA

Type	Numeric (Integer)
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Description	<p>(Order of answers displayed randomly)</p> <p>We would like to know why your household would not participate in Program A. Please select the most important reason.</p> <ul style="list-style-type: none"> o I'm opposed to giving my electricity provider automatic control of my thermostat (1) o The proposed temperature setting changes would make it too hot in my home (2) o I don't like smart digital thermostats (3) o I don't feel safe having somebody come into my home to install the thermostat (4) o I need more information about how my electricity provider would decide on which days to raise my home temperature (5) o I don't trust my electricity provider (6) o This program is not worth it to me (7) o The program lasts too long (i.e., one summer is too long) (8) o The duration of the temperature change (90 minutes) is too long (9) o The temperature changes of 2-3°F on normal weekdays and up to 5°F on extremely hot weekdays are too large (10) o The offered money reward is too small (11) o I'm concerned that my smart thermostat could be hacked (12) o Other reason (please specify below) (13)
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protest_noA_13_TEXT

Type	Unknown
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protest_notsureA

Type	Numeric (Integer)
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Description	<p>(Order of answers displayed randomly)</p> <p>We would like to know why your household is not sure if it would participate in Program A. Please select the most important reason.</p> <ul style="list-style-type: none"> o I'm opposed to giving my electricity provider automatic control of my thermostat (1) o The proposed temperature setting changes would make it too hot in my home (2) o I don't like smart digital thermostats (3) o I don't feel safe having somebody come into my home to install the thermostat (4) o I need more information about how my electricity provider would decide on which days to raise my home temperature (5) o I don't trust my electricity provider (6) o This program is not worth it to me (7) o The program lasts too long (i.e., one summer is too long) (8) o The duration of the temperature change (90 minutes) is too long (9) o The temperature changes of 2-3°F on normal weekdays and up to 5°F on extremely hot weekdays are too large (10) o The offered money reward is too small (11) o I'm concerned that my smart thermostat could be hacked (12) o Other reason (please specify below) (13)
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protest_notsureA_13_TEXT

Type	Unknown
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believe_energyA

Type	Numeric (Integer)
Description	<p>Do you think that Program A would actually reduce your home electricity use?</p> <ul style="list-style-type: none"> o No (0) o Yes (1)

believe_billA

Type	Numeric (Integer)
Description	<p>Without the monthly money reward, do you think that Program A would actually reduce your monthly electric bill?</p> <ul style="list-style-type: none"> o No (0) o Yes (1)

believe_gridA

Type	Numeric (Integer)
Description	<p>Do you think that Program A would actually improve the reliability of the power supply, thereby decreasing the likelihood of blackouts or brownouts in your service area?</p> <p><input type="radio"/> No (0)</p> <p><input type="radio"/> Yes (1)</p>

believe_infrasA

Type	Numeric (Integer)
Description	<p>Do you think that Program A would actually delay the need for additional infrastructure investments in power plants and transmission lines?</p> <p><input type="radio"/> No (0)</p> <p><input type="radio"/> Yes (1)</p>

believe_GHGA

Type	Numeric (Integer)
Description	<p>Do you think that Program A would actually lead to a small decrease in the amount of greenhouse gases, including CO2, emitted into the atmosphere by power plants, which could decrease the negative effects of climate change?</p> <p><input type="radio"/> No (0)</p> <p><input type="radio"/> Yes (1)</p>

believe_healthA

Type	Numeric (Integer)
Description	<p>Do you think that Program A would actually reduce air pollution emissions by power plants, which might positively impact the health of residents and families across the US?</p> <p><input type="radio"/> No (0)</p> <p><input type="radio"/> Yes (1)</p>

autocontrolA_1

Type	Numeric (Integer)
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Description	<p>In general, how likely are you to give your electricity provider the option of automatically controlling your thermostat at your home, for any part of the day, during the following conditions?</p> <p>On a typical summer weekday:</p> <p>Very Unlikely (1) Unlikely (2) Likely (3) Very Likely (4)</p>
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autocontrolA_2

Type	Numeric (Integer)
Description	<p>In general, how likely are you to give your electricity provider the option of automatically controlling your thermostat at your home, for any part of the day, during the following conditions?</p> <p>On days when the electricity demand is very high (e.g., on an extremely hot day):</p> <p>Very Unlikely (1) Unlikely (2) Likely (3) Very Likely (4)</p>

autocontrolA_3

Type	Numeric (Integer)
Description	<p>In general, how likely are you to give your electricity provider the option of automatically controlling your thermostat at your home, for any part of the day, during the following conditions?</p> <p>During disaster events (e.g., a severe storm, wildfire, earthquake):</p> <p>Very Unlikely (1) Unlikely (2) Likely (3) Very Likely (4)</p>

vote_programB

Type	Numeric (Integer)
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Description	<p>Think about a situation in which your household has the opportunity to participate in Program B for one summer (June-August), such as by signing up on your electricity provider’s website or by responding to a form mailed to you by your provider. At the end of the summer, your household would have the option of deciding whether or not to continue its future participation in the program. Keeping in mind the details of Program B and its impacts to your household and the environment, would your household participate in Program B for one summer (June-August)?</p> <p> <input type="radio"/> No (0) <input type="radio"/> Yes (1) <input type="radio"/> Not sure (2) </p>
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vote_programB_No

Type	Numeric (Integer)
Description	<p>You indicated that your household would not or was not sure if it would participate in Program B if it decreased your household’s monthly electric bill by 10%. If the program instead decreased your electric bill by 20%, would your household participate in Program B for one summer (keeping in-mind all the details of the program, including that your household would have to move 20% of its 4pm-9pm electric use to other times of day or incur an up to 10% electric bill cost increase)?</p> <p> <input type="radio"/> No (0) <input type="radio"/> Yes (1) <input type="radio"/> Not sure (2) </p>

vote_programB_No2

Type	Numeric (Integer)
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Description	<p>You indicated that your household would not or was not sure if it would participate in Program B if it decreased your household’s monthly electric bill by 20%. What percentage reduction in your monthly electric bill, if any, would persuade your household to participate in Program B for one summer (again, keeping in-mind all the details of the program, including that your household would have to move 20% of its 4pm-9pm electric use to other times of day or incur an up to 10% electric bill cost increase)?</p> <p><input type="radio"/> In order to participate in Program B, my household would need a reduction in our monthly electric bill of _____% for moving 20% of our 4pm-9pm electric use (Fill in bellow, between 20-100%) (0)</p> <p>_____</p> <p><input type="radio"/> My household would never participate in this program no matter the electric bill savings (1)</p>
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vote_programB_No2_0_TEXT

Type	Numeric (Float)
Description	Text entry for vote_programB_No2_0

vote_programB_Yes

Type	Numeric (Integer)
Description	<p>You indicated that your household would participate in Program B if it increased your household’s monthly electric bill by up to 10% for not moving 20% of its 4pm-9pm electric use to other times of the day. If the program instead increased your bill by up to 20% for not moving 20% of its electric use to other times of the day, would your household still participate in Program B for one summer (keeping in-mind all the details of the program, including the 10% bill reduction for moving 20% of its 4pm-9pm electric use)?</p> <p><input type="radio"/> No (0)</p> <p><input type="radio"/> Yes (1)</p> <p><input type="radio"/> Not sure (2)</p>

vote_programB_Yes2

Type	Numeric (Integer)
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Description	<p>You indicated that your household would continue to participate in Program B if it increased your household’s monthly electric bill by up to 20% for not moving 20% of its 4pm-9pm electric use to other times. What potential electric bill cost increase, if any, would you have to incur for your household to not participate in Program B for one summer?</p> <p><input type="radio"/> In order to not participate in Program B, my household would have to incur an increase in our monthly electric bill of _____% for not moving 20% of our 4pm-9pm electric use (Fill in below, between 20-100%) (0)</p> <p>_____</p> <p><input type="radio"/> My household would always participate in this program no matter the electric bill cost increase for not moving 20% of our 4pm-9pm electric use (1)</p>
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vote_programB_Yes2_0_TEXT

Type	Numeric (Float)
Description	Text entry for vote_programB_Yes2_0

vote_programB_2

Type	Numeric (Integer)
Description	<p>Think about a situation in which your household has the opportunity to participate in Program A for one summer (June-August), such as by signing up on your electricity provider’s website or by responding to a form mailed to you by your provider. At the end of the summer, your household would have the option of deciding whether or not to continue its future participation in the program. Keeping in mind the details of Program A and its impacts to your household and the environment, would your household participate in Program A for one summer (June-August)?</p> <p><input type="radio"/> No (0)</p> <p><input type="radio"/> Yes (1)</p> <p><input type="radio"/> Not sure (2)</p>

vote_programB_No_2

Type	Numeric (Integer)
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Description	<p>You indicated that your household would not or was not sure if it would participate in Program A if it decreased your household’s monthly electric bill by 10%. If the program instead decreased your electric bill by 20%, would your household participate in Program A for one summer (keeping in-mind all the details of the program, including that your household would have to move 20% of its 4pm-9pm electric use to other times of day or incur an up to 10% electric bill cost increase)?</p> <p>o No (0) o Yes (1) o Not sure (2)</p>
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vote_programB_No2_2

Type	Numeric (Integer)
Description	<p>You indicated that your household would not or was not sure if it would participate in Program A if it decreased your household’s monthly electric bill by 20%. What percentage reduction in your monthly electric bill, if any, would persuade your household to participate in Program A for one summer (again, keeping in-mind all the details of the program, including that your household would have to move 20% of its 4pm-9pm electric use to other times of day or incur an up to 10% electric bill cost increase)?</p> <p>o In order to participate in Program A, my household would need a reduction in our monthly electric bill of _____% for moving 20% of our 4pm-9pm electric use (Fill in bellow, between 20-100%) (0) o My household would never participate in this program no matter the electric bill savings (1)</p>

vote_programB_No2_2_0_TEXT

Type	Unknown
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vote_programB_Yes_2

Type	Numeric (Integer)
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Description	<p>You indicated that your household would participate in Program A if it increased your household’s monthly electric bill by up to 10% for not moving 20% of its 4pm-9pm electric use to other times of the day. If the program instead increased your bill by up to 20% for not moving 20% of its electric use to other times of the day, would your household still participate in Program A for one summer (keeping in-mind all the details of the program, including the 10% bill reduction for moving 20% of its 4pm-9pm electric use)?</p> <p>o No (0) o Yes (1) o Not sure (2)</p>
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vote_programB_Yes2_2

Type	Numeric (Integer)
Description	<p>You indicated that your household would continue to participate in Program A if it increased your household’s monthly electric bill by up to 20% for not moving 20% of its 4pm-9pm electric use to other times. What potential electric bill cost increase, if any, would you have to incur for your household to not participate in Program A for one summer?</p> <p>o In order to not participate in Program A, my household would have to incur an increase in our monthly electric bill of _____% for not moving 20% of our 4pm-9pm electric use (Fill in below, between 20-100%) (0) o My household would always participate in this program no matter the electric bill cost increase for not moving 20% of our 4pm-9pm electric use (1)</p>

vote_programB_Yes2_2_0_TEXT

Type	Unknown
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vote_programA_2

Type	Numeric (Integer)
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Description	<p>Think about a situation in which your household has the opportunity to participate in Program B for one summer (June-August), such as by signing up on your electricity provider’s website or by responding to a form mailed to you by your provider. At the end of the summer, your household would have the option of deciding whether or not to continue its future participation in the program. Keeping in mind the details of Program B, its impacts to your household and the environment, and the fact that it would not cost you anything, would your household participate in Program B for one summer (June-August)?</p> <p>o No (0) o Yes (1) o Not sure (2)</p>
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cvbid_continuousA2t1

Type	Numeric (Integer)
Description	<p>Assuming that you do not know by how much your electric bill would decrease under Program B, would your household participate in Program B for one summer (June-August) if your electric provider gave you a \$\$ {cv_bid_A} monthly money reward for each of the months of June, July, and August?</p> <p>o No (0) o Yes (1) o Not sure (2)</p>

cvbid_continuousA2t2

Type	Numeric (Integer)
Description	<p>Assuming that you do not know by how much your electric bill would decrease under Program B, would your household participate in Program B for one summer (June-August) if your electric provider gave you a \$\$ {e://Field/cv_bid_A} monthly money reward for each of the months of June, July, and August?</p> <p>o No (0) o Yes (1) o Not sure (2)</p>

cvbid_continousA2t3

Type	Numeric (Integer)
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Description	<p>Assuming that you do not know by how much your electric bill would decrease under Program B, would your household participate in Program B for one summer (June-August) if your electric provider gave you a \$\$e://Field/cv_bid_A} monthly money reward for each of the months of June, July, and August?</p> <p>o No (0) o Yes (1) o Not sure (2)</p>
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cvconf_continuousA2N

Type	Numeric (Integer)
Description	<p>On a scale from zero to ten, where zero means not at all certain and ten means completely certain, how certain are you that your household would not participate in Program B for one summer (June-August) if it received a \$\$e://Field/cv_bid_A} monthly money reward for each of the months of June, July, and August?</p> <p>o 0 - Not at all certain (1) o 1 (2) o 2 (3) o 3 (4) o 4 (5) o 5 (6) o 6 (7) o 7 (8) o 8 (9) o 9 (10) o 10 - Completely certain (11)</p>

cvconf_continuousA2Y

Type	Numeric (Integer)
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Description	<p>On a scale from zero to ten, where zero means not at all certain and ten means completely certain, how certain are you that your household would participate in Program B for one summer (June-August) if it received a \$\$e://Field/cv_bid_A} monthly money reward for each of the months of June, July, and August?</p> <ul style="list-style-type: none"> <input type="radio"/> 0 - Not at all certain (1) <input type="radio"/> 1 (2) <input type="radio"/> 2 (3) <input type="radio"/> 3 (4) <input type="radio"/> 4 (5) <input type="radio"/> 5 (6) <input type="radio"/> 6 (7) <input type="radio"/> 7 (8) <input type="radio"/> 8 (9) <input type="radio"/> 9 (10) <input type="radio"/> 10 - Completely certain (11)
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protest_noA_2

Type	Numeric (Integer)
Description	<p>We would like to know why your household would not participate in Program B. Please select the most important reason.</p> <ul style="list-style-type: none"> <input type="radio"/> I'm opposed to giving my electricity provider automatic control of my thermostat (1) <input type="radio"/> The proposed temperature setting changes would make it too hot in my home (2) <input type="radio"/> I don't like smart digital thermostats (3) <input type="radio"/> I don't feel safe having somebody come into my home to install the thermostat (4) <input type="radio"/> I need more information about how my electricity provider would decide on which days to raise my home temperature (5) <input type="radio"/> I don't trust my electricity provider (6) <input type="radio"/> This program is not worth it to me (7) <input type="radio"/> The program lasts too long (i.e., one summer is too long) (8) <input type="radio"/> The duration of the temperature change (90 minutes) is too long (9) <input type="radio"/> The temperature changes of 2-3°F on normal weekdays and up to 5°F on extremely hot weekdays are too large (10) <input type="radio"/> The offered money reward is too small (11) <input type="radio"/> I'm concerned that my smart thermostat could be hacked (12) <input type="radio"/> Other reason (please specify below) (13)

protest_noA_2_13_TEXT

Type	Unknown
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protest_notsureA_2

Type	Numeric (Integer)
Description	<p>We would like to know why your household is not sure if it would participate in Program B. Please select the most important reason.</p> <ul style="list-style-type: none"> <input type="radio"/> I'm opposed to giving my electricity provider automatic control of my thermostat (1) <input type="radio"/> The proposed temperature setting changes would make it too hot in my home (2) <input type="radio"/> I don't like smart digital thermostats (3) <input type="radio"/> I don't feel safe having somebody come into my home to install the thermostat (4) <input type="radio"/> I need more information about how my electricity provider would decide on which days to raise my home temperature (5) <input type="radio"/> I don't trust my electricity provider (6) <input type="radio"/> This program is not worth it to me (7) <input type="radio"/> The program lasts too long (i.e., one summer is too long) (8) <input type="radio"/> The duration of the temperature change (90 minutes) is too long (9) <input type="radio"/> The temperature changes of 2-3°F on normal weekdays and up to 5°F on extremely hot weekdays are too large (10) <input type="radio"/> The offered money reward is too small (11) <input type="radio"/> I'm concerned that my smart thermostat could be hacked (12) <input type="radio"/> Other reason (please specify below) (13)

protest_notsureA_2_13_TEXT

Type	Unknown
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believe_energyA_2

Type	Numeric (Integer)
Description	<p>Do you think that Program B would actually reduce your home electricity use?</p> <ul style="list-style-type: none"> <input type="radio"/> No (0) <input type="radio"/> Yes (1)

believe_billA_2

Type	Numeric (Integer)
Description	Without the monthly money reward, do you think that Program B would actually reduce your monthly electric bill? <input type="radio"/> No (0) <input type="radio"/> Yes (1)

believe_gridA_2

Type	Numeric (Integer)
Description	Do you think that Program B would actually improve the reliability of the power supply, thereby decreasing the likelihood of blackouts or brownouts in your service area? <input type="radio"/> No (0) <input type="radio"/> Yes (1)

believe_infrasA_2

Type	Numeric (Integer)
Description	Do you think that Program B would actually delay the need for additional infrastructure investments in power plants and transmission lines? <input type="radio"/> No (0) <input type="radio"/> Yes (1)

believe_GHGA_2

Type	Numeric (Integer)
Description	Do you think that Program B would actually lead to a small decrease in the amount of greenhouse gases, including CO ₂ , emitted into the atmosphere by power plants, which could decrease the negative effects of climate change? <input type="radio"/> No (0) <input type="radio"/> Yes (1)

believe_healthA_2

Type	Numeric (Integer)
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Description	<p>Do you think that Program B would actually reduce air pollution emissions by power plants, which might positively impact the health of residents and families across the US?</p> <p><input type="radio"/> No (0) <input type="radio"/> Yes (1)</p>
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autocontrolA_2_1

Type	Numeric (Integer)
Description	<p>[Matrix]</p> <p>In general, how likely are you to give your electric provider the option of automatically controlling your thermostat at your home, for any part of the day, during the following conditions?</p> <p>On a typical summer weekday</p> <p>Very Unlikely (1) Unlikely (2) Likely (3) Very Likely (4)</p>

autocontrolA_2_2

Type	Numeric (Integer)
Description	<p>[Matrix]</p> <p>In general, how likely are you to give your electric provider the option of automatically controlling your thermostat at your home, for any part of the day, during the following conditions?</p> <p>On days when the electricity demand is very high (e.g., on an extremely hot day)</p> <p>Very Unlikely (1) Unlikely (2) Likely (3) Very Likely (4)</p>

autocontrolA_2_3

Type	Numeric (Integer)
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Description	<p>[Matrix]</p> <p>In general, how likely are you to give your electric provider the option of automatically controlling your thermostat at your home, for any part of the day, during the following conditions?</p> <p>During disaster events (e.g., a severe storm, wildfire, earthquake)</p> <p>Very Unlikely (1) Unlikely (2) Likely (3) Very Likely (4)</p>
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vote_disaster

Type	Numeric (Integer)
Description	<p>Would you voluntarily reduce your electricity use if asked to do so by your electricity provider in order to reduce the likelihood of blackouts or brownouts after this disaster?</p> <p><input type="radio"/> No (0) <input type="radio"/> Yes (1) <input type="radio"/> Not sure (2)</p>

neigh_disaster

Type	Numeric (Integer)
Description	<p>How likely do you think it is that your immediate neighbors would voluntarily reduce their electricity use if asked to do so by their electricity provider after this disaster?</p> <p><input type="radio"/> Highly unlikely (0) <input type="radio"/> Unlikely (1) <input type="radio"/> Likely (2) <input type="radio"/> Highly likely (3)</p>

cvbid_continuous_dis

Type	Numeric (Integer)
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Description	<p>Would your household reduce its daily electricity use by half during the several day disaster event period if your electric provider gave you a one-time lump sum $\\$e://Field/cv_bid_dis$ money reward, which would be in addition to your savings from your reduced electricity use?</p> <p>o No (0) o Yes (1) o Not sure (2)</p>
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cvconf_continuous_dn

Type	Numeric (Integer)
Description	<p>On a scale from zero to ten, where zero means not at all certain and ten means completely certain, how certain are you that your household would not reduce its daily electricity use by half during the disaster event period if it received a one-time lump sum $\\$e://Field/cv_bid_dis$ money reward?</p> <p>o 0 - Not at all certain (1) o 1 (2) o 2 (3) o 3 (4) o 4 (5) o 5 (6) o 6 (7) o 7 (8) o 8 (9) o 9 (10) o 10 - Completely certain (11)</p>

cvconf_continuous_dy

Type	Numeric (Integer)
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Description	<p>On a scale from zero to ten, where zero means not at all certain and ten means completely certain, how certain are you that your household would reduce its daily electricity use by half during the disaster event period if it received a one-time lump sum $\\$ \{e://Field/cv_bid_dis\}$ money reward?</p> <ul style="list-style-type: none"> o 0 - Not at all certain (1) o 1 (2) o 2 (3) o 3 (4) o 4 (5) o 5 (6) o 6 (7) o 7 (8) o 8 (9) o 9 (10) o 10 - Completely certain (11)
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protest_no_dis

Type	Numeric (Integer)
Description	<p>We would like to know why your household would not reduce its average electricity use by half after the disaster event. Please select the most important reason.</p> <ul style="list-style-type: none"> o There will be a blackout or brownout anyways, even if I save electricity (1) o I don't think there will actually be any blackouts or brownouts due to the disaster event (2) o I don't think my electricity-saving behaviors will make a difference (3) o I'm just not willing to reduce my electricity use during a disaster event (4) o I or another member of my household has a medical or health condition that would require electricity use, and I'm not willing to risk my/their health to save electricity (5) o I need more information (6) o I don't trust my current electricity provider (7) o The offered money reward is too small (8) o The event period is too long for me (9) o I don't think all my neighbors would participate (10) o Other reason (please specify below) (11)

protest_no_dis_11_TEXT

Type	Unknown
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protest_notsure_dis

Type	Numeric (Integer)
Description	<p>We would like to know why your household is not sure if it would reduce its average electricity use by half after the disaster event. Please select the most important reason.</p> <ul style="list-style-type: none"> <input type="radio"/> There will be a blackout or brownout anyways, even if I save electricity (1) <input type="radio"/> I don't think there will actually be any blackouts or brownouts due to the disaster event (2) <input type="radio"/> I don't think my electricity-saving behaviors will make a difference (3) <input type="radio"/> I'm just not willing to reduce my electricity use during a disaster event (4) <input type="radio"/> I or another member of my household has a medical or health condition that would require electricity use, and I'm not willing to risk my/their health to save electricity (5) <input type="radio"/> I need more information (6) <input type="radio"/> I don't trust my current electricity provider (7) <input type="radio"/> The offered money reward is too small (8) <input type="radio"/> The event period is too long for me (9) <input type="radio"/> I don't think all my neighbors would participate (10) <input type="radio"/> Other reason (please specify below) (11)

protest_notsure_dis_11_TEXT

Type	Unknown
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control

Type	Numeric (Integer)
Description	<p>Suppose your household had smart appliances (i.e., they are internet controllable) that your electricity provider could control with your permission. In general, would you be willing to let your electricity provider control your household's smart appliances in order to improve power grid reliability?</p> <ul style="list-style-type: none"> <input type="radio"/> No (0) <input type="radio"/> Yes (1)

neighbors

Type	Numeric (Integer)
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Description	<p>How likely do you think it is that your immediate neighbors would participate in energy management programs similar to those described in this survey, if given the opportunity to do so?</p> <ul style="list-style-type: none"> <input type="radio"/> Highly unlikely (0) <input type="radio"/> Unlikely (1) <input type="radio"/> Likely (2) <input type="radio"/> Highly likely (3)
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consider

Type	Numeric (Integer)
Description	<p>Do you think that electricity providers will consider the results of this study, along with other evidence, when designing future energy management programs similar to those described in this survey?</p> <ul style="list-style-type: none"> <input type="radio"/> No (0) <input type="radio"/> Yes (1)

saveenergy

Type	Numeric (Integer)
Description	<p>On a scale from zero to four, where zero means not at all important and four means very important, in general, how important is energy conservation to you personally?</p> <ul style="list-style-type: none"> <input type="radio"/> 0 - Not at all important (0) <input type="radio"/> 1 (1) <input type="radio"/> 2 (2) <input type="radio"/> 3 (3) <input type="radio"/> 4 - Very important (4)

energycost

Type	Numeric (Integer)
Description	<p>On a scale from zero to four, where zero means not carefully at all and four means very carefully, how carefully do you track your household electricity use from month-to-month?</p> <ul style="list-style-type: none"> <input type="radio"/> 0 - Not carefully at all (0) <input type="radio"/> 1 (1) <input type="radio"/> 2 (2) <input type="radio"/> 3 (3) <input type="radio"/> 4 - Very carefully (4)

energysupply	
Type	Numeric (Integer)
Description	<p>On a scale from zero to four, where zero means strongly disagree and four means strongly agree, how much do you agree with the following statement?: “It is important to have as much electricity as I need when I need it.”</p> <ul style="list-style-type: none"> <input type="radio"/> 0 - Strongly disagree (0) <input type="radio"/> 1 (1) <input type="radio"/> 2 (2) <input type="radio"/> 3 (3) <input type="radio"/> 4 - Strongly agree (4)

reliable	
Type	Numeric (Integer)
Description	<p>On a scale from zero to four, where zero means not at all reliable and four means very reliable, how reliable do you think your current electricity provider is at supplying your household with electricity?</p> <ul style="list-style-type: none"> <input type="radio"/> 0 - Not at all reliable (0) <input type="radio"/> 1 (1) <input type="radio"/> 2 (2) <input type="radio"/> 3 (3) <input type="radio"/> 4 - Very reliable (4)

bestinterest	
Type	Numeric (Integer)
Description	<p>Do you think that your current electricity provider always keeps customers’ best interests in mind when making decisions?</p> <ul style="list-style-type: none"> <input type="radio"/> No (0) <input type="radio"/> Yes (1)

budgetconstraint	
Type	Numeric (Integer)

Description	<p>On a scale from zero to four, where zero means not at all difficult and four means very difficult, given your household's monthly income, how difficult do you find it to pay your electricity bill each month?</p> <ul style="list-style-type: none"> <input type="radio"/> 0 - Not at all difficult (0) <input type="radio"/> 1 (1) <input type="radio"/> 2 (2) <input type="radio"/> 3 (3) <input type="radio"/> 4 - Very difficult (4)
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reasonable

Type	Numeric (Integer)
Description	<p>Do you think the prices offered by your electricity provider are reasonable, in your opinion?</p> <ul style="list-style-type: none"> <input type="radio"/> No (0) <input type="radio"/> Yes (1)

habits_1

Type	Numeric (Integer)
Description	<p>[Matrix]</p> <p>How often do you perform the following actions during a typical week at your home?</p> <p>Turn off the lights when they are not in use or when you leave a room:</p> <ul style="list-style-type: none"> Never or rarely (1) Sometimes (2) Most of the time (3) Always (4) NOT APPLICABLE (N/A) (5)

habits_2

Type	Numeric (Integer)
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Description	<p>[Matrix]</p> <p>How often do you perform the following actions during a typical week at your home?</p> <p>Raise the thermostat setting on your cooling system when you leave the house in the summer:</p> <p>Never or rarely (1) Sometimes (2) Most of the time (3) Always (4) NOT APPLICABLE (N/A) (5)</p>
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habits_3

Type	Numeric (Integer)
Description	<p>[Matrix]</p> <p>How often do you perform the following actions during a typical week at your home?</p> <p>Lower the thermostat setting on your heating system when you leave the house in the winter:</p> <p>Never or rarely (1) Sometimes (2) Most of the time (3) Always (4) NOT APPLICABLE (N/A) (5)</p>

habits_4

Type	Numeric (Integer)
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Description	<p>[Matrix]</p> <p>How often do you perform the following actions during a typical week at your home?</p> <p>Only use the washing machine and clothes dryer when you have a full load of clothes:</p> <p>Never or rarely (1) Sometimes (2) Most of the time (3) Always (4) NOT APPLICABLE (N/A) (5)</p>
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habits_5

Type	Numeric (Integer)
Description	<p>[Matrix]</p> <p>How often do you perform the following actions during a typical week at your home?</p> <p>Only run the dishwasher when you have a full load of dishes:</p> <p>Never or rarely (1) Sometimes (2) Most of the time (3) Always (4) NOT APPLICABLE (N/A) (5)</p>

nature

Type	Numeric (Integer)
Description	<p>On a scale from zero to four, where zero means that nature is robust and not easily damaged and four means nature is fragile and easily damaged, how do you view nature?</p> <p>o 0 - Robust and not easily damaged (0) o 1 (1) o 2 (2) o 3 (3) o 4 - Fragile and easily damaged (4)</p>

pollution

Type	Numeric (Integer)
Description	<p>On a scale from zero to four, where zero means not at all concerned and four means very concerned, how concerned are you about air and water pollution created by electricity production at power plants?</p> <ul style="list-style-type: none"> <input type="radio"/> 0 - Not at all concerned (0) <input type="radio"/> 1 (1) <input type="radio"/> 2 (2) <input type="radio"/> 3 (3) <input type="radio"/> 4 - Very concerned (4)

climate

Type	Numeric (Integer)
Description	<p>On a scale from zero to four, where zero means not at all concerned about four means very concerned, how concerned are you about greenhouse gas and CO2 emissions created by electricity production at power plants?</p> <ul style="list-style-type: none"> <input type="radio"/> 0 - Not at all concerned (0) <input type="radio"/> 1 (1) <input type="radio"/> 2 (2) <input type="radio"/> 3 (3) <input type="radio"/> 4 - Very concerned (4)

tech

Type	Numeric (Integer)
Description	<p>On a scale from zero to four, where zero means not at all confident about four means very confident, how confident are you that technology can minimize the impacts of climate change?</p> <ul style="list-style-type: none"> <input type="radio"/> 0 - Not at all confident (0) <input type="radio"/> 1 (1) <input type="radio"/> 2 (2) <input type="radio"/> 3 (3) <input type="radio"/> 4 - Very confident (4)

rural

Type	Numeric (Integer)
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Description	<p>Which of the following best describes the location of your primary residence?</p> <ul style="list-style-type: none"> <input type="radio"/> Urban location in a densely populated area (1) <input type="radio"/> Suburban location in a neighborhood that is near a densely populated area (2) <input type="radio"/> Rural location in a sparsely populated area (3)
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type

Type	Numeric (Integer)
Description	<p>Which of the following best describes your primary residence?</p> <ul style="list-style-type: none"> <input type="radio"/> A single-family detached house (1) <input type="radio"/> A single-family attached house (e.g., a townhome, garden home, or duplex that is attached to one or more other houses) (2) <input type="radio"/> An apartment, condominium, or loft (3) <input type="radio"/> A mobile home or trailer home (4) <input type="radio"/> An individual room in a house or apartment (5) <input type="radio"/> Other (please describe below) (6)

type_6_TEXT

Type	Unknown
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workathome

Type	Numeric (Integer)
Description	<p>Do you or anyone in your household telecommute and/or work from home more than three days per week?</p> <ul style="list-style-type: none"> <input type="radio"/> No (0) <input type="radio"/> Yes (1)

averagebill

Type	Numeric (Integer)
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Description	<p>What is your household's average monthly electric bill during the summer (June-August)?</p> <ul style="list-style-type: none"> <input type="radio"/> Less than \$50/month (1) <input type="radio"/> \$50 to \$99/month (2) <input type="radio"/> \$100 to \$149/month (3) <input type="radio"/> \$150 to \$249/month (4) <input type="radio"/> More than \$250/month (5) <input type="radio"/> Not sure (6)
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large

Type	Numeric (Integer)
Description	<p>Approximately, how large is your primary residence (in square feet)?</p> <ul style="list-style-type: none"> <input type="radio"/> Less than 500 square feet (1) <input type="radio"/> 500-999 square feet (2) <input type="radio"/> 1,000-1,999 square feet (3) <input type="radio"/> 2,000-2,999 square feet (4) <input type="radio"/> 3,000-3,999 square feet (5) <input type="radio"/> 4,000 square feet or more (6)

conservation

Type	Numeric (Integer)
Description	<p>Have you improved the energy efficiency of your home? For example, installing energy efficient windows, high R-value insulation, Energy Star appliances, or solar panels?</p> <ul style="list-style-type: none"> <input type="radio"/> No (0) <input type="radio"/> Yes (1)

people

Type	Numeric (Integer)
Description	<p>How many people are currently living in your primary residence (including yourself)?</p> <ul style="list-style-type: none"> <input type="radio"/> 1 person (just me) (1) <input type="radio"/> 2 people (2) <input type="radio"/> 3 people (3) <input type="radio"/> 4 people (4) <input type="radio"/> 5 or more people (5)

sensitive_groups

Type	Text
Description	<p>Does your household include any of the following people? Check all that apply.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Seniors (65 years old and above) (1) <input type="checkbox"/> Children (3-18 years old) (2) <input type="checkbox"/> Babies and toddlers (younger than 3 years) (3) <input type="checkbox"/> Individuals with physical disabilities (4) <input type="checkbox"/> Individuals with special needs (5) <input type="checkbox"/> My household does not include any of these people (6)

party

Type	Numeric (Integer)
Description	<p>With which political party do you most identify?</p> <ul style="list-style-type: none"> <input type="radio"/> Democratic Party (1) <input type="radio"/> Republican Party (or GOP) (2) <input type="radio"/> Independent (3) <input type="radio"/> Other party (please specify below) (4)

party_4_TEXT

Type	Unknown

ideol

Type	Numeric (Integer)
Description	<p>On a scale of political ideology, individuals can be arranged from strongly liberal to strongly conservative. Which of the following categories best describes your views?</p> <ul style="list-style-type: none"> <input type="radio"/> Strongly liberal (1) <input type="radio"/> Liberal (2) <input type="radio"/> Slightly liberal (3) <input type="radio"/> Middle of the road (4) <input type="radio"/> Slightly conservative (5) <input type="radio"/> Conservative (6) <input type="radio"/> Strongly conservative (7)

education

Type	Numeric (Integer)
Description	<p>Which of the following best indicates your highest education level?</p> <ul style="list-style-type: none"> <input type="radio"/> Less than high school (no diploma or GED) (1) <input type="radio"/> High school diploma or GED (2) <input type="radio"/> Some college, but no degree (3) <input type="radio"/> Associate degree (4) <input type="radio"/> Bachelor's degree (5) <input type="radio"/> Master's degree (6) <input type="radio"/> Professional or doctorate degree (e.g. Ph.D., MD, DDS, JD) (7)

employment

Type	Text
Description	<p>What is your current employment status? Check all that apply.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Employed (full-time) (1) <input type="checkbox"/> Employed (part-time) (2) <input type="checkbox"/> Self-employed (3) <input type="checkbox"/> Not currently employed (4) <input type="checkbox"/> Retired (5) <input type="checkbox"/> Student (6) <input type="checkbox"/> Other (please specify below) (7)

employment_7_TEXT

Type	Unknown
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income

Type	Numeric (Integer)
Description	<p>What is the range that best describes your total household income in 2018?</p> <ul style="list-style-type: none"> <input type="radio"/> Less than \$20,000 (1) <input type="radio"/> \$20,000 to \$29,999 (2) <input type="radio"/> \$30,000 to \$49,999 (3) <input type="radio"/> \$50,000 to \$74,999 (4) <input type="radio"/> \$75,000 to \$99,999 (5) <input type="radio"/> \$100,000 to \$149,999 (6) <input type="radio"/> \$150,000 to \$199,999 (7) <input type="radio"/> More than \$200,000 (8)

Zipcode	
Type	Text
Constraints	Minimum Length: 5, Maximum Length: 5
Description	What is the 5-digit zip code of your primary residence?

end	
Type	Text
Description	If you have any additional comments that you would like to share, please write them below and click the arrow to submit.

race	
Type	Unknown
Description	Qualtrics race quota assignment.

Group	
Type	Unknown
Description	Research Track

cv_bid_A	
Type	Unknown
Description	CV Bid for smart thermostat program.

cv_bid_dis	
Type	Unknown
Description	CV bid for disaster program.