

# Energy Use and Travel by Austin Area Households

UT Austin Internal Review Board # 2008-08-0049

Dear Resident,

Graduate students at the University of Texas at Austin are conducting a research study to explore Central Texans' energy consumption and preferences for future energy policy and vehicle technologies. In today's world of rising energy prices and climate concerns, energy use is an important topic. The responses will be analyzed all together, providing full anonymity for all respondents, and the results will be of interest to many at the Department of Energy, local utilities like Austin Energy, state departments of transportation, and other institutions with opportunity for policymaking in the energy and transportation arenas.

- The survey will take approximately 20 minutes to complete.
- The survey will ask questions about you, your travel, and your household's energy use. Note that it will be useful to have recent energy bills handy.
- No names or other identifying information will be used in preparing the data for analysis.
- There are no risks involved in participation in this study and no direct benefits.
- You are not obligated to participate in the survey and you can stop at anytime.
- However, ***your input and opinions are VERY IMPORTANT***, since it is critical that all perspectives and types of residents be represented in this survey.

If you have any questions or comments about this study, please feel free to contact me personally at (512) 471-0210. If you have any questions or concerns about your rights as a research participant, please contact Jody Jensen, Ph.D., Chair of UT Austin's Institutional Review Board for the Protection of Human Subjects, (512) 471-8871.

Please feel free to keep this cover letter. Your completion of the survey indicates your willingness to participate in the study.

***Thank you very much*** for your time and cooperation.

Sincerely,

Dr. Kara Kockelman  
Associate Professor of Transportation Engineering & Faculty Sponsor

**Please continue on the next page. ►**

## Section 1 – Transportation

1. Which of the following is your **primary means of travel** for the following activities? (Please select one for each activity type.)

	Walk	Bicycle	Drive <b>ALONE</b>	Drive <b>WITH OTHERS</b> (Carpool)	Bus	Not Applicable
Work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
School	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Food Shopping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-food Shopping (example: clothing & home items)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Errands/Personal Business (example: banking or doctor's appointment)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Social & Recreational Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. When traveling **from home**, **HOW LONG** does it typically take you to travel **ONE-WAY** for the following purposes?

	Less than 5 minutes	5-14 minutes	15-29 minutes	30-44 minutes	45-59 minutes	60-89 minutes	90 or more minutes	Not Applicable
Work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
School	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Food Shopping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-food Shopping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Errands/Personal Business	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Social & Recreational Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. How many **ROUND TRIPS** did you make for the following purposes over the **LAST SEVEN (7) DAYS** (for example, to and from work would be one round trip)?

	0	1-2	3-4	5-6	7 or more
Work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
School	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Food/grocery Shopping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-food Shopping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Errands/Personal Business	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Social & Recreational Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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4. Please answer the following questions about **LONG DISTANCE TRAVEL** (where your destination was **more than 100 miles** away from your starting location) over the **PAST TWELVE (12) MONTHS**.

	Airplane	Train or Bus (for example, Amtrak or Greyhound)	Automobile
How many <b>ROUND TRIPS</b> did you make using this form of transport?	_____ round trips	_____ round trips	_____ round trips
How many <b>MILES (TOTAL)</b> did you travel using this form of transport for <b>LONG</b> distance travel?	<input type="checkbox"/> 0-1000 miles <input type="checkbox"/> 1001-2000 <input type="checkbox"/> 2001-3000 <input type="checkbox"/> 3001-4000 <input type="checkbox"/> More than 4000 miles <input type="checkbox"/> Don't know	<input type="checkbox"/> 0-300 miles <input type="checkbox"/> 301-600 <input type="checkbox"/> 601-900 <input type="checkbox"/> 901-1200 <input type="checkbox"/> More than 1200 miles <input type="checkbox"/> Don't know	<input type="checkbox"/> 0-500 miles <input type="checkbox"/> 501-1000 <input type="checkbox"/> 1001-1500 <input type="checkbox"/> 1501-2000 <input type="checkbox"/> More than 2000 miles <input type="checkbox"/> Don't know

5. Please answer the following questions about **round trips** you made of **5 MILES OR LESS** in the **LAST SEVEN (7) DAYS**.

	Drive <b>ALONE</b>	Drive <b>WITH OTHERS</b> (carpool)	Bus (Capital Metro)	Bicycle	Walk
How many <b>ROUND TRIPS</b> did you make using this form of transport?	_____ round trips	_____ round trips	_____ round trips	_____ round trips	_____ round trips

6. Over the last **30 DAYS**, how many times did you travel for a **business meeting**?

- Zero (0)
- One (1)
- Two (2)
- Three (3)
- Four (4)
- Five or more (5+)

7. Over the last **30 DAYS**, how many times did you engage in a **business teleconference** (versus traveling for a meeting)?

- Zero (0)
- One (1)
- Two (2)
- Three (3)
- Four (4)
- Five or more (5+)

8. If your answer to question 7 was one or more (1+), why did you choose to **teleconference**? (Check all that apply)

- Save *personal* money on transport costs.
- Save *company* money on transport costs.
- It *saves me time* to communicate in this manner.
- It is more *enjoyable* to communicate in this manner.
- Other: \_\_\_\_\_

9. Over the last **SEVEN (7) DAYS**, how many days did you **WORK AT HOME** (versus traveling to a regular work building/location)?

- Zero (0)
- One (1)
- Two (2)
- I am not employed.
- Three (3)
- Four (4)
- Five or more (5+)

10. If your answer to question 9 was one or more (1+), why did you choose to **work at home**? (Check all that apply)

- Save *personal* money on transport costs.
- Save *company* money on transport costs.
- I save valuable time by not traveling.
- It is more enjoyable.
- I am more productive when working from home.
- I don't have a work building/location.
- Other: \_\_\_\_\_

**Please continue on the next page. ►**

11. Currently, a monthly bus pass for Capital Metro costs \$17. Would you ride the bus more often if...

a) ... The bus pass was offered to you for only **HALF** the regular cost?

- Yes, I would use the bus as my primary means of transportation.
- Yes, I would use the bus more often, but still rely on my automobile as well.
- No, I would not ride the bus more often.

b) ... The bus pass was offered to you **FREE OF CHARGE**?

- Yes, I would use the bus as my primary means of transportation.
- Yes, I would use the bus more often, but still rely on my automobile as well.
- No, I would not ride the bus more often.

12. Imagine that **GAS PRICES RISE to \$6 TO \$7** per gallon and stay there.

a) How would you be most likely to respond in the **SHORT** term (the next six months)? Please **RANK** from 1 to 9 the following options (1 being the **most** likely and 9 being the **least** likely).

- \_\_\_\_\_ Do Nothing
- \_\_\_\_\_ Ride the bus more often
- \_\_\_\_\_ Walk or bike more often
- \_\_\_\_\_ Carpool more often
- \_\_\_\_\_ Choose closer destinations
- \_\_\_\_\_ Use different (more fuel efficient) automobile more often
- \_\_\_\_\_ Drive more slowly to conserve fuel
- \_\_\_\_\_ Make fewer trips
- \_\_\_\_\_ Cut spending elsewhere

b) How would you be most likely to respond in the **LONG** term (the next 1 to 3 years)? Again, please **RANK** the following options (1 being the **most** likely and 7 being the **least** likely).

- \_\_\_\_\_ Do Nothing
- \_\_\_\_\_ Purchase a more fuel efficient vehicle
- \_\_\_\_\_ Use other means of transport more often
- \_\_\_\_\_ Begin telecommuting
- \_\_\_\_\_ Seek four-day work week
- \_\_\_\_\_ Change place of employment
- \_\_\_\_\_ Move closer to work or another common destination

13. In your opinion, what would be the best ways to improve public transit, in order to encourage you to use your car less? Please **RANK** the **THREE (3) most important** improvements according to their priority level (with 1 being the **most** important to you and 3 being **third most** important).

- \_\_\_\_\_ Improve the safety of public transit
- \_\_\_\_\_ Improve reliability of public transit
- \_\_\_\_\_ Add stops closer to where you live
- \_\_\_\_\_ Make better connection to my regular destinations
- \_\_\_\_\_ Add more frequent service
- \_\_\_\_\_ Reduce costs
- \_\_\_\_\_ Other: \_\_\_\_\_

- None of the above. I would not use the car less regardless of how Austin transit service is provided.
- I don't know.

14. If you do or were to commute to work by driving alone, at what gasoline price would you likely seek other means of travel to work? (Please select only **ONE** option.)

- \$5 per gallon
- \$6 per gallon
- \$7 per gallon
- \$8 per gallon
- I would not seek other means of transport to work even at \$8 per gallon.
- I do not work.

**Please continue on the next page. ►**

## Section 2 – Vehicles

15. Please indicate the **MAKE, MODEL, YEAR** of manufacture, and approximate **MILES traveled per year** for **EACH** passenger vehicle that is owned, leased, or otherwise available for use by people who currently live in your home.

Example:

Make Toyota Model Camry Year 2006 Miles traveled per year 15,000

Make \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_ Miles traveled per year \_\_\_\_\_

Make \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_ Miles traveled per year \_\_\_\_\_

Make \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_ Miles traveled per year \_\_\_\_\_

Make \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_ Miles traveled per year \_\_\_\_\_

Make \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_ Miles traveled per year \_\_\_\_\_

Make \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_ Miles traveled per year \_\_\_\_\_

Make \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_ Miles traveled per year \_\_\_\_\_

16. If you were to **consider purchasing a new vehicle today**, please **RANK the five (5) most important characteristics** according to their priority level (with 1 being **most** important to you, and 5 being the **fifth most** important to you).

\_\_\_\_\_ Purchase cost

\_\_\_\_\_ Overall visual appeal

\_\_\_\_\_ Cabin size

\_\_\_\_\_ Vehicle type/class (e.g. compact car, SUV, pickup truck, etc)

\_\_\_\_\_ Amenities (sunroof, power windows, GPS, CD/DVD player, etc.)

\_\_\_\_\_ Safety

\_\_\_\_\_ Acceleration and handling

\_\_\_\_\_ Cargo/towing capacity

\_\_\_\_\_ Reliability

\_\_\_\_\_ Fuel economy

\_\_\_\_\_ Resale value

\_\_\_\_\_ Vehicle warranty

\_\_\_\_\_ Maintenance cost

\_\_\_\_\_ Other: \_\_\_\_\_

17. U.S. **fuel economy standards** require vehicle makers to meet certain limits on the average fuel economy of vehicles they sell. If the standard **is not** met, the vehicle maker **pays a fine**. Currently, cars and light trucks are held to the standard of **25 miles per gallon (mpg)**. Federal legislation recently passed that increases the standard to **35 mpg by 2020**, and current European standards are 45 mpg. In your opinion, what do you think fuel economy standards **should be** in 2020?

Maintain current standards (25 mpg).

I agree with the increase to 35 mpg by 2020.

Increase standard to 40 mpg by 2020.

Increase standard to 45 mpg by 2020.

Increase standard to 50 mpg or more by 2020.

I don't know.

Other: \_\_\_\_\_

18. Road transport generates **29%** of Austin's harmful greenhouse gas emissions. In your opinion, what would be the best way to reduce carbon emissions generated by road transport? (Please select only **ONE** option.)

Carbon emissions do not need to be reduced.

Introduce restrictions to the use of autos.

Only allow the sale of less polluting vehicles.

Create travel options to lessen auto dependence.

Promote the purchase of fuel-efficient vehicles through tax incentives.

Offer cash incentives for less automobile use.

I don't know.

Other: \_\_\_\_\_

**Please continue on the next page. ►**

19. Consider a new vehicle purchase policy, where **rebates** are given to those purchasing relatively fuel **efficient** vehicles and **fees** are assessed on the purchase of relatively **inefficient** vehicles. Assume the amounts vary with fuel economy, as shown in the chart below, where a (+) indicates a rebate and a (-) indicates a fee. How do you feel about such a policy?

Fuel Economy (in miles per gallon)	Rebate (+) or Fee (-)
More than 40 mpg	+\$6,000
40 mpg	+\$4,000
35 mpg	+\$2,000
30 mpg	\$0
25 mpg	-\$2,000
20 mpg	-\$4,000
15 mpg	-\$6,000
Less than 15 mpg	-\$10,000

- I strongly oppose this policy.
- I somewhat oppose this policy.
- I am neutral regarding such policy.
- I somewhat support this policy.
- I strongly support this policy.

### Section 3 – Home Design & Energy Use

The following questions are about your home or apartment, also known as a residential unit.

20. In what **YEAR** was your residential unit **built**?

- 2005 to present
- 1995 to 2004
- 1985 to 1994
- 1975 to 1984
- 1965 to 1974
- 1955 to 1964
- Before 1955
- I don't know.

21. What is the **SIZE** of your residential unit in **square feet** (sf)?

- Less than 500 sf
- 500-749 sf
- 750-999 sf
- 1,000-1,249 sf
- 1,250-1,499 sf
- 1,500-1,999 sf
- 2,000-2,499 sf
- 2,500-2,999 sf
- 3,000-3,999 sf
- 4,000-4,999 sf
- 5,000 or more sf

22. How many **ROOMS** does your residential unit have? (Only include areas used as living space. Do **NOT** include bathrooms and hallways.)

- 1-2 rooms
- 3-4 rooms
- 5-6 rooms
- More than 12: \_\_\_\_\_ (please specify actual number)
- 7-8 rooms
- 9-10 rooms
- 11-12 rooms

23. Do you **OWN** or **RENT** your home?

- Own (includes paying off a mortgage)
- Rent/Lease
- My home is provided by my employer.

24. Which of the following best describes the **exterior material** of your residential unit?

- Brick/Stone
- Vinyl/Aluminum siding
- Wood
- Brick/Stone & Other material
- Other: \_\_\_\_\_ (please specify)

25. Which of the following best describes **your residential unit**?

- One-story house detached
- Two-story house detached
- Three-story house detached (includes more than 3 stories)
- Townhouse, duplex, triplex, or fourplex
- Apartment/Condominium (1 to 3 stories)
- Apartment/Condominium (4 or more stories)
- Mobile home/trailer
- Dormitory/group quarters
- Other: \_\_\_\_\_

26. Does your residential unit have a **SWIMMING POOL**?

- Yes
- No

**Please continue on the next page. ►**

27. This past **SUMMER** (June, July, or August of 2008), how many **UNITS of electricity** did you use **PER MONTH**, and how much was the electricity portion of your monthly bill?

\_\_\_\_\_ kWh, \$\_\_\_\_\_, or ...

- I don't pay my own electric bill.
- I did not live at my current residence last summer.

28. Last **WINTER** (December of 2007, or January or February of 2008), how many **UNITS of electricity** did you use **PER MONTH**, and how much was the electricity portion of your monthly bill?

\_\_\_\_\_ kWh, \$\_\_\_\_\_, or ...

- I don't pay my own electric bill.
- I did not live at my current residence last winter.

29. This past **SUMMER** (June, July, or August of 2008), how many **UNITS of natural gas/propane** did you use **PER MONTH**, and how much was your monthly bill?

\_\_\_\_\_ ccf/gallons, \$\_\_\_\_\_, or ...

- My home does not use gas or propane.
- I don't pay my own gas bill.
- I did not live at my current residence last summer.

30. Last **WINTER** (December of 2007, or January or February of 2008), how many **UNITS of natural gas/propane** did you use **PER MONTH**, and how much was your monthly bill?

\_\_\_\_\_ ccf/gallons, \$\_\_\_\_\_, or ...

- My home does not use gas or propane.
- I don't pay my own gas bill.
- I did not live at my current residence last winter.

31. Do you have **more than one (1)** full-size refrigerator/freezer unit **plugged in**? (Please consider all full-size units as well as any full-size stand-alone refrigerator and/or freezer units you may have in your home.)

- No, I have only one (1).
- No, I have zero (0) full-size refrigerators.
- Yes, I have two or more (2+): \_\_\_\_\_ (please specify number)

32. What type of **air conditioning** does your residential unit use? (Please check all that apply)

- Central air conditioning
- No air conditioning
- Window units (Please indicate the number of units at your home: \_\_\_\_\_)

33. Do you ever use any of the following **INSTEAD** of turning on the **air conditioner**? (Check all that apply.)

- Portable Fan
- Ceiling Fan
- Other: \_\_\_\_\_
- No, I use none of these instead of the air conditioner.

34. Do you have **space heaters**, and **how often are they used** in place of central heating during the cooler months of the year?

- Yes, and they are *used frequently* instead of central heat.
- Yes, and they are *used sometimes* instead of central heat.
- Yes, and they are *used rarely* instead of central heat.
- Yes, but they are *not used*.
- No.

35. Do you have a **clothes washer** that you regularly use in your home and what **water temperature** setting do you normally set it at?

- No, I don't have a washer.
- Yes, usually set on hot wash.
- Yes, usually set on warm wash.
- Yes, usually set on cold wash.

36. If you have a **dishwasher**, how many times per week do you run it?

- 0 times per week
- 1 to 2 times/week
- 3 to 4
- 5 to 6
- 7 to 8
- 9 to 10
- More than 10 times per week: \_\_\_\_\_ (please specify)
- I do not have a dishwasher.

**Please continue on the next page. ►**

37. On **weekdays**, at what temperature is the **thermostat** in your home set during the **SUMMER** months?

**Daytime** (8 am to 5 pm):

- Turned off
- 65 °F or below
- 66 to 70 °F
- 71 to 75 °F
- 76 to 80 °F
- Above 80 °F

**Evening** (5 pm to 10 pm):

- Turned off
- 65 °F or below
- 66 to 70 °F
- 71 to 75 °F
- 76 to 80 °F
- Above 80 °F

**Nighttime** (10 pm to 8 am):

- Turned off
- 65 °F or below
- 66 to 70 °F
- 71 to 75 °F
- 76 to 80 °F
- Above 80 °F

38. On **weekdays**, at what temperature is the **thermostat** in your home set during the **WINTER** months?

**Daytime** (8 am to 5 pm):

- Turned off
- 60 °F or below
- 61 to 65 °F
- 66 to 70 °F
- 71 to 75 °F
- Above 75 °F

**Evening** (5 pm to 10 pm):

- Turned off
- 60 °F or below
- 61 to 65 °F
- 66 to 70 °F
- 71 to 75 °F
- Above 75 °F

**Nighttime** (10 pm to 8 am):

- Turned off
- 60 °F or below
- 61 to 65 °F
- 66 to 70 °F
- 71 to 75 °F
- Above 75 °F

39. What are you **doing now (or have recently done)**, or plan to do within the **next 12 months** to reduce your household's energy consumption? (Check all that apply.)

Doing now /  
Have done

Will do soon

- |                          |                          |   |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <b>Hang-drying</b> your <b>clothes</b> (not using a gas or electric dryer)                            |
| <input type="checkbox"/> | <input type="checkbox"/> | Living in/moving to a <b>smaller</b> home/unit  |
| <input type="checkbox"/> | <input type="checkbox"/> | <b>Replacing</b> household <b>appliances</b> with more energy efficient equivalents                   |
| <input type="checkbox"/> | <input type="checkbox"/> | Purchasing <b>solar panels</b> for your home  |
| <input type="checkbox"/> | <input type="checkbox"/> | Upgrading your home's <b>insulation</b>   |
| <input type="checkbox"/> | <input type="checkbox"/> | Eating 25% <b>less meat</b> (If you are a vegetarian, choose "Have done")                             |
| <input type="checkbox"/> | <input type="checkbox"/> | <b>Turning off</b> electronics (television, computer, etc.) when not in use                           |
| <input type="checkbox"/> | <input type="checkbox"/> | Buying <b>more locally</b> produced products (food and/or other goods)                                |
| <input type="checkbox"/> | <input type="checkbox"/> | Being sure to <b>turn off lights</b> when not in use  |
| <input type="checkbox"/> | <input type="checkbox"/> | Using <b>energy efficient light bulbs</b> in place of incandescent ones                               |
| <input type="checkbox"/> | <input type="checkbox"/> | <b>Turning up/down your thermostat</b> by 2 degrees (from its typical setting) during hot/cold months |
| <input type="checkbox"/> | <input type="checkbox"/> | Other: _____  |
| <input type="checkbox"/> | <input type="checkbox"/> | Other: _____  |

## Section 4 – Energy Policy

40. In your opinion, **what should the U.S. do** about global climate change? (Please **check all that apply**.)

- Research & development will provide new technologies that solve the problem soon.
- Lifestyle changes are necessary to reduce energy consumption.
- Regulations should be imposed.
- We will have to adapt to a warmer climate.
- The U.S. should not do anything about global warming.
- Global warming is not a problem.
- Other: \_\_\_\_\_

**Please continue on the next page. ►**



41. The U.S. could invest in a variety of policies and technologies to combat climate change. **Which** of the following **policies and technologies would you support** and which would you **oppose**?

Policy/Technology	Strongly Support	Somewhat Support	Neutral	Somewhat Oppose	Strongly Oppose
<b>Carbon capture &amp; sequestration</b> , (where greenhouse gas emissions are stored, rather than allowed to enter the atmosphere).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Build 5+ <b>nuclear</b> power plants.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Triple nation's production of <b>biofuels</b> .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Impose a limit on greenhouse gas emissions & allow <b>trading</b> of purchased <b>emission</b> credits.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Energy taxes</b> (example: \$50 per ton of greenhouse gases produced by electricity generation and motor fuel use).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increase <b>motor fuel taxes</b> by \$1 per gallon.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stricter vehicle <b>fuel economy standards</b> (example: 40 mpg).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Offer rebates to consumers for purchasing very <b>fuel efficient vehicles</b> (like hybrid & plug-in hybrid vehicles).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Require <b>Energy Star</b> standards on <b>ALL</b> household appliances.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Require strict <b>energy efficiency standards</b> on virtually <b>ALL</b> new buildings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

42. Do you or do you not agree with the following statements related to energy policy and climate change?

	Strongly Agree	Agree	Disagree	Strongly Disagree	No Opinion / Don't Know
Our current level of energy use is changing the climate rapidly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The U.S. government needs to take much more action to reduce energy use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel it is everyone's duty to reduce energy use and protect the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
There should be a limit on all households' energy use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
People should be allowed to use more energy if they are willing to pay for it.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

43. Consider a policy that places a **TARGET MAXIMUM** on the **amount of greenhouse gas emissions** that households are allowed over the course of a year for home utilities and travel. Assume that this target is per person, and so rises with the number of people living in the household, and **households using more energy** than their target would **pay a fine**. Households **using less energy** than the maximum would receive **tax credits**. Unlike energy taxes or upstream caps on greenhouse gas production, this policy generates no new revenue for the government, sets a clear cap, and will cost energy-efficient households nothing. **How would you feel** about this policy?

Strongly Oppose       Somewhat Oppose       Neutral       Somewhat Support       Strongly Support

**Please continue on the next page. ►**

44. Consider an alternative policy to the one in question 43, where the **ALL ENERGY USE IS TAXED** and taxes rise with the amount of electricity, gas, and gasoline consumed. However, **no limits** are set on a household's maximum energy consumption. **How would you feel** about this policy?

Strongly  
Oppose

Somewhat  
Oppose

Neutral

Somewhat  
Support

Strongly  
Support

## Section 5 - Demographics

45. Including yourself, **HOW MANY PEOPLE** live in your household? (Please do **not** include anyone who usually lives somewhere else or is just visiting, such as a college student away at school.)

- One (1)                       Two (2)  
 Three (3)                     Four (4)  
 Five or more (5+): \_\_\_\_\_ (please specify)

46. How many persons **UNDER the age of 16 years** usually live in your home?

- Zero (0)                       One (1)  
 Two (2)                       Three (3)  
 Four or more (4+): \_\_\_\_\_ (please specify)

47. Including yourself, how many **WORKERS** usually live in your home? (Please include part-time workers.)

- Zero (0)                       One (1)  
 Two (2)                       Three (3)  
 Four or more (4+): \_\_\_\_\_ (please specify)

48. What is your current **AGE**?

- Less than 25 years             45 to 54  
 25 to 34 years                 55 to 64  
 35 to 44                         65 or older

49. Which of the following best describes your household's **TOTAL INCOME** from all sources, before taxes, **for all members of your household** in 2007?

- Less than \$10,000             \$60,000-74,999  
 \$10,000-19,999               \$75,000-99,999  
 \$20,000-29,999               \$100,000-124,999  
 \$30,000-39,000               \$125,000-149,999  
 \$40,000-49,999               \$150,000-199,999  
 \$50,000-59,999               \$200,000 or more

50. Are you **male** or **female**?

- Male                               Female

51. Which of the following best describes your **ETHNICITY**?

- Hispanic                         Asian  
 African American               Caucasian/White  
 Other: \_\_\_\_\_ (please specify)

52. Do you have a valid **DRIVER'S LICENSE**?

- Yes                                 No

53. Are you currently enrolled as a **STUDENT**?

- No, I am not a student.  
 Yes, I am enrolled full-time (12 or more credit hours this semester).  
 Yes, I am enrolled part-time (less than 12 credit hours).

54. Which of the following best describes your **EMPLOYMENT STATUS**?

- I work full-time (35 hours or more per week).  
 I work part-time (less than 35 hours per week).  
 I am a homemaker.  
 I am self-employed.  
 I am unemployed, but looking for employment.  
 I am unemployed, and not looking for employment.  
 I am retired.

55. What is the highest level of **EDUCATION** you have **completed**?

- Did not complete high school  
 High school (or equivalent)  
 Associate's or technical degree (or equivalent)  
 Bachelor's degree  
 Master's degree or higher

**Please continue on the next page. ►**

56. What is **your HOME ADDRESS** here in Austin? (For privacy reasons, you are welcome to use XX to represent the last two digits of the street number. Also, please include your zip code. Example: 12XX E. Dean Keeton St., 78722, instead of 1234 E. Dean Keeton St., 78722.) Location data is very important for the planning process. Please note that all information will be kept highly confidential.

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57. What is the **address** of your **primary WORKPLACE or SCHOOL**? If you do not work and you are not a student, please skip this question. (For privacy reasons, you are welcome to use XX to represent the last two digits of the street number. Also, please include your zip code. Example: 12XX E. Dean Keeton St., 78722, instead of 1234 E. Dean Keeton St., 78722.) If you do not know the exact address of your workplace or school, you may use a key point of reference. (For example, writing "UT Campus" is fine for those employed and/or studying on the campus.) Location data is very important for the planning process. Please note that all information will be kept highly confidential.

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## THANK YOU FOR COMPLETING OUR SURVEY!

May we contact you with follow-up questions at a later date? (This is especially helpful if we need to clarify an answer provided here.)

Yes  No

If so, please provide an **email address**, a phone number, or both: \_\_\_\_\_

We would be delighted to send you **an electronic copy of the report** via email. Please let us know where to send that:

Email address: \_\_\_\_\_

We also would be delighted to include you in a **vehicle-choice survey**. **May we contact you again** in a few months?

Yes  No

## Comments

If you have any comments, or any other information you would like to share with us, please write these in the space provided below. *Thank you again* for your kind attention to this important survey.

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