

Gas Can Population and Activity Survey: Residential Survey

SHLO Hello, this is _____, calling from the Social Science Research Center at California State University, Fullerton. Have I reached [TELEPHONE NUMBER]?

1. CONTINUE
2. DISPOSITION RECORD APPROPRIATELY

INT I am calling from the SSRC at Cal State Fullerton, to learn about how California residents 18 years and older use gas cans, which are plastic or metal containers used to safely carry and store fuel. We are conducting a survey that takes about 15 minutes to complete and consists of questions about your household's experience with gas cans. The data collected in this survey will be kept strictly confidential.

Is it ok to ask you these questions now?

1. YES, CONTINUE
2. CALLBACK
3. REFUSED

T0 I have a few questions to make sure you are eligible to participate in our study.

AGE1 First, may I confirm that you are 18 years of age or older?

1. YES [CONTINUE]
2. NO [ASK FOR INDIVIDUAL OVER 18 AND RETURN TO INT]
3. NO INDIVIDUAL OVER 18 [END SURVEY]

CAL And may I confirm that you live within the state of California?

1. LIVES IN CA [CONTINUE]
2. DOES NOT LIVE IN CA [END SURVEY]

LSC1 Do you own a landscaping or yard care business?

1. YES
2. NO [SKIP TO PGAS]

BUS Unfortunately individuals who own a landscaping or yard care business are not eligible to participate in the current study, however, we will be conducting a survey of such businesses at a later date.

LSC2 Would you be willing to provide the contact information and name of your business for potential participation in a survey of landscaping businesses at a later date?

- 1. YES SPECIFY NAME>
SPECIFY PHONE>
SPECIFY EMAIL>
- 2. NO [END SURVEY]

PGAS Do you own or use one or more gas cans for personal purposes only? Do not include those gas cans used for business purposes.

- 1. YES [SKIP TO INT2]
- 2. NO
- 7. DON'T KNOW
- 9. REFUSED

HGAS Does anyone in your household own or use one or more gas cans for personal purposes? This does not include those gas cans used for business purposes only.

- 1. YES
- 2. NO [END SURVEY]
- 7. DON'T KNOW [END SURVEY]
- 9. REFUSED [END SURVEY]

SPKT May we speak to the person who owns or uses one or more gas cans in your household?

- 1. YES [GO BACK TO INT2]
- 2. NO [SCHEDULE INDEFINITE CALL BACK]
- 3. INDIVIDUAL NOT AVAILABLE [SCHEDULE INDEFINITE CALLBACK]
- 7. DON'T KNOW [SCHEDULE INDEFINITE CALLBACK]
- 9. REFUSED [END SURVEY]

BETT Is there a better time that we can reach them?

- 1. NO [SCHEDULE INDEFINITE CALLBACK]
- 2. YES [SCHEDULE CALLBACK]
- 7. DON'T KNOW [SCHEDULE INDEFINITE CALLBACK]
- 9. REFUSED [END SURVEY]

INT2 Before we begin, I need to read you some information about your rights as a study participant. This study involves no more than minimal risk, and there are no known harms or discomforts associated with this study beyond those encountered in daily life. You are free to decline to answer any survey question or to decline to participate entirely. The data collected in this survey will be kept strictly confidential to the extent permitted by law and in no case will be used to identify any one individual or household. Our center director, Laura Gil-Trejo, has no financial interest in the results of this study.

If you have questions about your rights as a research participant, I have some numbers I can provide for you. [IF REQUESTED] You may contact California State University, Fullerton Regulatory Compliance Coordinator at (657) 278-7719, or the Institutional Review Board (IRB) Chair at (657) 278-5062. For any other questions about the study, contact Laura Gil-Trejo at 657-278-7691.

PROC Now that you have this information, may we proceed?

1. YES [CONTINUE]
2. NOT AT THIS TIME [SCHEDULE CALLBACK]
9. REFUSED [END SURVEY]

[ASK IF ON FILE AS LANDLINE]

LND And may I verify that I am speaking to you on a landline telephone?

1. YES, LANDLINE
2. NO, CELLULAR

[ASK IF ON FILE AS CELLULAR]

CELL And may I verify that I am speaking to you on a cellular telephone?

1. NO, LANDLINE
2. YES, CELLULAR

T1 First, I'd like to ask you some questions about the place where you live.

Q1. Which of the following best describes the property where you currently live?

1. Single-family home
2. Apartment
3. Condominium
4. Townhouse
5. Manufactured or mobile home
6. Other, SPECIFY>
7. DON'T KNOW
9. REFUSED

Q2. How many gasoline-operated vehicles, such as cars, boats, utility carts, go-carts, and ATVs, are there at your residence?

1. SPECIFY NUMBER>
7. DON'T KNOW
9. REFUSED

Q3. How many gasoline-operated pieces of equipment such as lawnmowers, hedge trimmers, pressure washers, chainsaws, or generators are there at your residence?

1. SPECIFY NUMBER>
7. DON'T KNOW
9. REFUSED

INT3 Now I'd like to ask you some questions about the gas cans you own.

Q4. How many gas cans do you currently own or use?

1. SPECIFY NUMBER>
7. DON'T KNOW
9. REFUSED

Q5. Are any of these gas cans used for business purposes only?

1. YES
2. NO [SKIP TO T2]
7. DON'T KNOW [SKIP TO T2]
9. REFUSED [SKIP TO T2]

Q5a. How many of these [TOTAL NUMBER FROM Q4] gas cans are used for business purposes only?

1. SPECIFY NUMBER>
7. DON'T KNOW
9. REFUSED

T2 We are interested in learning more about the gas cans you use for personal use only. For the next series of questions, please think only of the gas cans you use for personal use only.

[IF TOTAL OF Q4 MINUS Q5a IS GREATER THAN 3, GO TO Q26 AND CYCLE THROUGH Q44B]

[IF TOTAL OF Q4 MINUS Q5a IS LESS THAN OR EQUAL TO 3, CYCLE THROUGH Q6 TO Q25a FOR EACH PIECE]

Q6. What material is this can made of?

1. Plastic
2. Metal
3. Other, SPECIFY>
7. DON'T KNOW
9. REFUSED

Q7. What type of container is this gas can?

1. Round, square, or rectangular with a handle, also known as a standard gas can
2. Container on wheels or a gas can that is mobile with or without a hose
3. Military style-Jerry Can that is tall and thin made of plastic or metal
4. Utility jug style or square plastic container popular in motorsports
5. 2-compartment container with two holding tanks and two spouts
6. ATV fuel pack, a mountable container that attaches to ATV
7. Safety can or cylindrical metal can
8. OTHER, SPECIFY>
77. REFUSED
99. OTHER

- Q8. What size is this gas can?
1. 1 gallon
 2. 2 gallon
 3. 2.5 gallon
 4. 3 gallon
 5. 5 gallon
 6. 10 gallon
 7. Other, SPECIFY SIZE>
 77. DON'T KNOW
 99. REFUSED
- Q9. Which of the following types of liquids are stored inside this gas can?
1. Gasoline
 2. Kerosine
 3. Diesel
 4. Water
 5. Other, SPECIFY>
 7. DON'T KNOW
 9. REFUSED
- Q10. Do you alternate the types of liquids stored in your gas can?
1. YES
 2. NO [SKIP TO Q13]
 7. DON'T KNOW [SKIP TO Q13]
 9. REFUSED [SKIP TO Q13]
- Q11. Do you clean the can in between the use of different liquids?
1. YES
 2. NO [SKIP TO Q13]
 7. DON'T KNOW [SKIP TO Q13]
 9. REFUSED [SKIP TO Q13]
- Q12. How do you clean the can in between the use of different liquids?
1. SPECIFY>
 7. DON'T KNOW
 9. REFUSED

Q13. Which of the following equipment is this gas can primarily used to refuel...?

1. A vehicle or car
2. Lawn and garden equipment – Lawnmower, Trimmer
3. A Personal Watercraft – Jet Ski, Boat
4. A Recreational Vehicle – Off-Road Motorcycle, ATV
5. Light Commercial equipment – Generator, Pressure Washer
6. Other, SPECIFY>
7. DON'T KNOW
9. REFUSED

Q13a. While refueling this equipment with this gas can, how much fuel approximately spills?

1. A few drops or about 0.5 ml
2. A teaspoon or about 5 ml
3. A tablespoon or about 15 ml
4. Half a cup or about 120 ml
5. One cup or about 240 ml
6. More than a cup or over 240 ml
7. A lot more than a cup
8. None, no spillage occurs
77. DON'T KNOW
99. REFUSED

Q14. How often is the gas can refilled at the gas station?

1. Daily [GO TO Q14_1]
2. Weekly [GO TO Q14_2]
3. Monthly [GO TO Q14_3]
4. Yearly [GO TO Q14_4]
5. Less than once a year [SKIP TO Q15]
7. DON'T KNOW [SKIP TO Q15]
9. REFUSED [SKIP TO Q15]

Q14_1. On average, how many times a day do you fill your gas can at the gas station?

Q14_2. On average, how many times a week do you fill your gas can at the gas station?

Q14_3. On average, how many times a month do you fill your gas can at the gas station?

Q14_4. On average, how many times a year do you fill your gas can at the gas station?

1. SPECIFY> [SKIP TO Q15]
7. DON'T KNOW [SKIP TO Q14_a_1, 2, 3, OR 4, DEPENDING ON Q14]
9. REFUSED [SKIP TO Q15]

- Q14_a_1. Would you say you fill your gas can at the gas station....per day?
- Q14_a_2. Would you say you fill your gas can at the gas station....per week?
- Q14_a_3. Would you say you fill your gas can at the gas station....per month?
- Q14_a_4. Would you say you fill your gas can at the gas station....per year?
1. 0 times
 2. 1 time
 3. 2-3 times
 4. 4-7 times
 5. 8-10 times
 6. More than 10 times
 7. DON'T KNOW
 9. REFUSED
- Q15. While you are refilling this gas can at the gas station, how often does spillage occur? Would you say...
1. Never [SKIP TO Q17]
 2. Occasionally, or less than half of the time
 3. Frequently, or more than half of the time
 7. DON'T KNOW
 9. REFUSED
- Q16. How much liquid approximately spills?
1. A few drops or about 0.5 ml
 2. A teaspoon or about 5 ml
 3. A tablespoon or about 15 ml
 4. Half a cup or about 120 ml
 5. One cup or about 240 ml
 6. More than a cup or over 240 ml
 7. A lot more than a cup
 8. None, no spillage occurs
 77. DON'T KNOW
 99. REFUSED

- Q17. Where do you store this gas can?
1. Enclosed indoor, such as a garage
 2. Indoor but open, such as a carport
 3. Enclosed outdoor, such as a storage shed
 4. Outdoor in the open, such as the side of the house
 5. Other SPECIFY>
 7. DON'T KNOW
 9. REFUSED
- Q18. During storage, is there typically still fuel or liquid in the can?
1. YES
 2. NO
 7. DON'T KNOW
 9. REFUSED
- Q19. Is this gas can stored in direct sunlight?
1. YES
 2. NO
 7. DON'T KNOW
 9. REFUSED
- Q20. What type of spout does this gas can have?
1. Flexible plastic or metal spout
 2. Rigid plastic or metal spout
 3. Hose and nozzle assembly
 4. Dispensing hose, no nozzle
 5. Pump or hose assembly
 7. DON'T KNOW
 9. REFUSED
- Q20a. Is this spout?
1. The original that came with the gas can
 2. A replacement spout of a different design
 3. A replacement spout of the same design as the original spout
 7. DON'T KNOW
 9. REFUSED

[IF Q20a = 1, SKIP TO Q21]

- Q20b. How many years old is this spout?
1. SPECIFY>
 7. DON'T KNOW
 9. REFUSED

- Q21. How old is this gas can?
1. SPECIFY IN YEARS [IF LESS THAN A YEAR OLD, ENTER 0]> [SKIP TO Q22]
 7. DON'T KNOW
 9. REFUSED [SKIP TO Q22]

- Q21a. Would you say this gas can is...
1. Less than a year old
 2. Between one and five years old
 3. Between six and ten years old
 4. Between 11 and 15 years old
 5. Between 16 and 20 years old
 5. More than 20 years old
 7. DON'T KNOW
 9. REFUSED

[IF Q21 ≤ 14 OR Q21a = option 1 through 4, CONTINUE, OTHERWISE SKIP TO Q23]

- Q22. Is the spout designed to close automatically?
1. YES
 2. NO
 7. DON'T KNOW
 9. REFUSED

- Q23. After purchase, have you or any other users of this can made modifications to make it easier to use?
1. YES
 2. NO [SKIP TO Q25]
 7. DON'T KNOW [SKIP TO Q25]
 9. REFUSED [SKIP TO Q25]

- Q24. What changes have been made? Have you or someone else...
1. Replaced the spout or nozzle
 2. Modified the spout or nozzle
 3. Made some other change, SPECIFY>
 7. DON'T KNOW
 9. REFUSED

- Q25. Has this gas can ever become damaged for any reason?
1. YES
 2. NO
 7. DON'T KNOW
 9. REFUSED

[IF Q25 ≠ 1, SKIP TO NEXT CAN OR T3]

- Q25a. Please describe the damage.
1. SPECIFY>
 7. DON'T KNOW
 9. REFUSED

[SKIP TO NEXT CAN OR T3]

Q26. Thinking of the material these cans are made of, how many of these gas cans are made of?

1. Plastic SPECIFY NUMBER>
2. Metal SPECIFY NUMBER>
3. Other SPECIFY NUMBER>
7. DON'T KNOW
9. REFUSED

[ASK IF Q26 = 7 OR 9. OTHERWISE, SKIP TO Q27]

Q26a. Are the majority of these gas cans....

1. Plastic
2. Metal
3. Some other material
7. DON'T KNOW
9. REFUSED

Q27. And thinking of the container type of these cans, how many of them are?

1. Round, square, or rectangular with handles, also known as standard gas cans, SPECIFY NUMBER>
2. Containers on wheels that are mobile with or without hoses, SPECIFY NUMBER>
3. Military style-Jerry Cans that are tall and thin that is tall and thin made of plastic or metal SPECIFY NUMBER>
4. Utility jug styles or square plastic containers popular in motorsports SPECIFY NUMBER>
5. 2-compartment containers with two holding tanks and two spouts, SPECIFY NUMBER>
6. ATV fuel packs, mountable containers that attach to ATVs SPECIFY NUMBER>
7. Safety cans or cylindrical metal cans SPECIFY NUMBER>
8. OTHER, SPECIFY NUMBER>
77. REFUSED
99. OTHER

[ASK IF Q27 = 77 OR 99. OTHERWISE, SKIP TO Q28]

Q27a Are the majority of these gas cans....

1. Round, square, or rectangular with handles, also known as standard gas cans
2. Containers on wheels that are mobile with or without hoses
3. Military style-Jerry Cans that are tall and thin that is tall and thin made of plastic or metal
4. Utility jug styles or square plastic containers popular in motorsports
5. 2-compartment containers with two holding tanks and two spouts
6. ATV fuel packs, mountable containers that attach to ATVs
7. Safety cans or cylindrical metal can
8. OTHER, SPECIFY>
77. REFUSED
99. OTHER

Q28. How many of these gas cans are...in size?

1. 1 gallon SPECIFY NUMBER>
2. 2 gallon SPECIFY NUMBER>
3. 2.5 gallon SPECIFY NUMBER>
4. 3 gallon SPECIFY NUMBER>
5. 5 gallon SPECIFY NUMBER>
6. 10 gallon SPECIFY NUMBER>
7. Other, SPECIFY SIZE> SPECIFY NUMBER>
77. DON'T KNOW
99. REFUSED

[ASK IF Q28 = 77 OR 99. OTHERWISE, SKIP TO Q29]

Q28a. Are the majority of these gas cans...in size?

1. 1 gallon
2. 2 gallon
3. 2.5 gallon
4. 3 gallon
5. 5 gallon
6. 10 gallon
7. Other, SPECIFY SIZE>
77. DON'T KNOW
99. REFUSED

Q29. How many of these gas cans are...

- | | | |
|----|--------------------------------|-----------------|
| 1. | Less than a year old | SPECIFY NUMBER> |
| 2. | Between one and five years old | SPECIFY NUMBER> |
| 3. | Between six and ten years old | SPECIFY NUMBER> |
| 4. | Between 11 and 15 years old | SPECIFY NUMBER> |
| 5. | Between 16 and 20 years old | SPECIFY NUMBER> |
| 6. | More than 20 years old | SPECIFY NUMBER> |
| 7. | DON'T KNOW | |
| 9. | REFUSED | |

[ASK IF Q29 = 7 OR 9. OTHERWISE, SKIP TO Q30]

Q29a. Would you say the majority of these gas cans are?

1. Less than a year old
2. Between one and five years old
3. Between six and ten years old
4. Between 11 and 15 years old
5. Between 16 and 20 years old
5. More than 20 years old
7. DON'T KNOW
9. REFUSED

Q30. How many of these gas cans are used to store...?

- | | | |
|-----|------------|-----------------|
| 1. | Gasoline | SPECIFY NUMBER> |
| 2. | Kerosine | SPECIFY NUMBER> |
| 3. | Diesel | SPECIFY NUMBER> |
| 4. | Water | SPECIFY NUMBER> |
| 5. | Other | SPECIFY NUMBER> |
| 77. | DON'T KNOW | |
| 99. | REFUSED | |

[ASK IF Q30 = 77 OR 99. OTHERWISE, SKIP TO Q31]

Q30a. Are the majority of these cans used to store...?

1. Gasoline
2. Kerosine
3. Diesel
4. Water
5. Other
7. DON'T KNOW
9. REFUSED

Q31. Do you alternate the types of liquids stored in any of these gas cans?

1. YES
2. NO [SKIP TO Q32]
7. DON'T KNOW [SKIP TO Q32]
9. REFUSED [SKIP TO Q32]

Q31a. For how many of these gas cans do you alternate the types of liquids stored?

1. SPECIFY NUMBER>
7. DON'T KNOW
9. REFUSED

[IF Q31a = 0, SKIP TO Q32]

[ASK IF Q31a = 7 OR 9. OTHERWISE, SKIP TO Q31c]

Q31b. Do you alternate the types of liquids stored in the majority of these gas cans?

1. YES [SKIP TO Q31c]
2. NO [SKIP TO Q32]
7. DON'T KNOW [SKIP TO Q32]
9. REFUSED [SKIP TO Q32]

Q31c. Of these, how many cans do you clean in between the use of different liquids?

1. SPECIFY NUMBER>
7. DON'T KNOW
9. REFUSED

[IF Q31c = 0, SKIP TO Q32]

[ASK IF Q31c = 7 OR 9 OR Q31b = option 1. OTHERWISE, SKIP TO 31e]

Q31d. Do you clean the majority of your gas cans in between the use of different liquids?

1. YES
2. NO [SKIP TO Q32]
7. DON'T KNOW [SKIP TO Q32]
9. REFUSED [SKIP TO Q32]

[IF Q31c = 0 OR 31d=2, SKIP TO Q32]

Q31e. How do you clean this/these gas cans in between the use of different liquids?

1. SPECIFY>
7. DON'T KNOW
9. REFUSED

Q32. How many of these gas cans are used to refuel...?

- | | | |
|----|---|-----------------|
| 1. | A vehicle or car | SPECIFY NUMBER> |
| 2. | Lawn and garden equipment – Lawnmower, Trimmer | SPECIFY NUMBER> |
| 3. | A Personal Watercraft – Jet Ski, Boat | SPECIFY NUMBER> |
| 4. | A Recreational Vehicle – Off-Road Motorcycle, ATV | SPECIFY NUMBER> |
| 5. | Light Commercial equipment – Generator, Pressure Washer | SPECIFY NUMBER> |
| 6. | Other, SPECIFY> | SPECIFY NUMBER> |
| 7. | DON'T KNOW | |
| 9. | REFUSED | |

[ASK IF Q32 = 7 OR 9. OTHERWISE, SKIP TO 32b]

Q32a. Are the majority of these gas cans used to refuel?

1. A vehicle or car
2. Lawn and garden equipment – Lawnmower, Trimmer
3. A Personal Watercraft – Jet Ski, Boat
4. A Recreational Vehicle – Off-Road Motorcycle, ATV
5. Light Commercial equipment – Generator, Pressure Washer
6. Other, SPECIFY>
7. DON'T KNOW
9. REFUSED

Q32b. While refueling this equipment using these gas cans, how many ...?

- | | | |
|-----|--------------------------------------|----------|
| 1. | Don't spill at all | SPECIFY> |
| 2. | Spill a few drops or about 0.5 ml | SPECIFY> |
| 3. | Spill a teaspoon or about 5 ml | SPECIFY> |
| 4. | Spill a tablespoon or about 15 ml | SPECIFY> |
| 5. | Spill a half a cup or about 120 ml | SPECIFY> |
| 6. | Spill one cup or about 240 ml | SPECIFY> |
| 7. | Spill more than a cup or over 240 ml | SPECIFY> |
| 8. | Spill a lot more than a cup | SPECIFY> |
| 77. | DON'T KNOW | |
| 99. | REFUSED | |

[ASK IF Q32b = 77 OR 99. OTHERWISE, SKIP TO Q33]

Q32c. While refueling this equipment using these gas cans, do the majority...?

1. Not spill at all
2. Spill a few drops or about 0.5 ml
3. Spill a teaspoon or about 5 ml
4. Spill a tablespoon or about 15 ml
5. Spill a half a cup or about 120 ml
6. Spill one cup or about 240 ml
7. Spill more than a cup or over 240 ml
8. Spill a lot more than a cup
9. Not spill at all

Q33. How many of these gas cans are refilled at the gas station?

1. Daily SPECIFY NUMBER & SKIP TO Q33_1>
2. Weekly SPECIFY NUMBER & SKIP TO Q33_2>
3. Monthly SPECIFY NUMBER & SKIP TO Q33_3>
4. Yearly SPECIFY NUMBER & SKIP TO Q33_4>
5. Less than once a year SPECIFY NUMBER & SKIP TO Q34>
7. DON'T KNOW
9. REFUSED

[ASK IF Q33 = 7 OR 9. OTHERWISE, SKIP TO Q34]

Q33a. Are the majority of these gas cans refilled at the gas station?

1. Daily SKIP TO Q33_a_1>
2. Weekly SKIP TO Q33_a_2>
3. Monthly SKIP TO Q33_a_3>
4. Yearly SKIP TO Q33_a_4>
5. Less than once a year SKIP TO Q34>
7. DON'T KNOW [SKIP TO Q34]
9. REFUSED [SKIP TO Q34]

Q33_1. On average, how many times a day do you fill these gas cans at the gas station?

Q33_2. On average, how many times a week do you fill these gas cans at the gas station?

Q33_3. On average, how many times a month do you fill these gas cans at the gas station?

Q33_4. On average, how many times a year do you fill these gas cans at the gas station?

1. SPECIFY> [SKIP TO Q34]
7. DON'T KNOW
9. REFUSED [SKIP TO Q34]

- Q33_a_1. Would you say you fill your gas can at the gas station....per day?
- Q33_a_2. Would you say you fill your gas can at the gas station....per week?
- Q33_a_3. Would you say you fill your gas can at the gas station....per month?
- Q33_a_4. Would you say you fill your gas can at the gas station....per year?

- 1. 0 times
- 2. 1 time
- 3. 2-3 times
- 4. 4-7 times
- 5. 8-10 times
- 6. More than 10 times
- 7. DON'T KNOW
- 9. REFUSED

Q34. Thinking of how often spillage occurs when refilling these gas cans at the gas station. For how many of these gas cans does spillage occur...?

- 1. Never SPECIFY NUMBER>
- 2. Occasionally, or less than half of the time SPECIFY NUMBER>
- 3. Frequently, or more than half of the time SPECIFY NUMBER>
- 7. DON'T KNOW
- 9. REFUSED

[ASK IF Q34 = 7 OR 9. OTHERWISE, SKIP TO Q34b]

Q34a. While refilling these gas cans at the gas station, do the majority of these gas cans experience spillage...

- 1. Never
- 2. Occasionally, or less than half of the time
- 3. Frequently, or more than half of the time
- 7. DON'T KNOW
- 9. REFUSED

[IF Q34_1 > 0 OR Q34a = 1, SKIP TO Q35, OTHERWISE CONTINUE]

Q34b. Now thinking about how much spillage occurs, for how many of these gas cans does approximately?

- | | | |
|-----|-----------------------------|-----------------|
| 1. | No spillage occurs | SPECIFY NUMBER> |
| 2. | A few drops spill | SPECIFY NUMBER> |
| 3. | A teaspoon spill | SPECIFY NUMBER> |
| 4. | A tablespoon spill | SPECIFY NUMBER> |
| 5. | Half a cup spill | SPECIFY NUMBER> |
| 6. | One cup spill | SPECIFY NUMBER> |
| 7. | More than a cup spill | SPECIFY NUMBER> |
| 8. | A lot more than a cup spill | SPECIFY NUMBER> |
| 77. | DON'T KNOW | |
| 99. | REFUSED | |

[ASK IF Q34b = 77 OR 99. OTHERWISE, SKIP TO Q35]

Q34c. Do the majority of these cans spill approximately...?

- | | |
|-----|-------------------------------------|
| 1. | Nothing, no spillage occurs |
| 2. | A few drops |
| 3. | A teaspoon |
| 4. | A tablespoon |
| 5. | Half a cup |
| 6. | One cup |
| 7. | More than a cup |
| 8. | A lot more than a cup |
| 9. | Nothing, that is no spillage occurs |
| 77. | DON'T KNOW |
| 99. | REFUSED |

Q35. Turning to how these gas cans are stored, how many are...?

- | | | |
|----|--|-----------------|
| 1. | Enclosed indoors, such as a garage | SPECIFY NUMBER> |
| 2. | Indoor but open, such as a carport | SPECIFY NUMBER> |
| 3. | Enclosed outdoor, such as a storage shed | SPECIFY NUMBER> |
| 4. | Outdoor in the open, such as the side of the house | SPECIFY NUMBER> |
| 5. | Other, SPECIFY> | |
| 7. | DON'T KNOW | |
| 9. | REFUSED | |

[ASK IF Q35 = 7 OR 9. OTHERWISE, SKIP TO Q36]

Q35a. Are the majority of these gas cans ...?

1. Enclosed indoors, such as a garage
2. Indoor but open, such as a carport
3. Enclosed outdoor, such as a storage shed
4. Outdoor in the open, such as the side of the house
5. Other, SPECIFY>
7. DON'T KNOW
9. REFUSED

Q36. During storage, how many of these cans still have fuel or liquid inside?

1. SPECIFY NUMBER>
7. DON'T KNOW
9. REFUSED

[ASK IF Q36 = 7 OR 9. OTHERWISE, SKIP TO Q37]

Q36a. During storage, do the majority of these cans still have fuel or liquid inside?

1. YES
2. NO
7. DON'T KNOW
9. REFUSED

Q37. How many of these cans are stored in direct sunlight?

1. SPECIFY NUMBER>
77. DON'T KNOW
99. REFUSED

[ASK IF Q37 = 77 OR 99. OTHERWISE, SKIP TO Q38]

Q37a. Are the majority of these cans stored in direct sunlight?

1. YES
2. NO
7. DON'T KNOW
9. REFUSED

Q38. Thinking about the spouts on the gas cans you own or use, how many of your gas cans would you say have...?

- 1. Flexible plastic or metal spouts SPECIFY NUMBER>
- 2. Rigid plastic or metal spouts SPECIFY NUMBER>
- 3. Hose and nozzle assembly SPECIFY NUMBER>
- 4. Dispensing hose, no nozzles SPECIFY NUMBER>
- 5. Pump or hose assembly SPECIFY NUMBER>
- 7. DON'T KNOW
- 9. REFUSED

[ASK IF Q38 = 7 OR 9. OTHERWISE, SKIP TO Q39]

Q38a. Would you say the majority of the spouts on the gas cans you own or use have...?

- 1. Flexible plastic or metal spouts
- 2. Rigid plastic or metal spouts
- 3. Hose and nozzle assembly
- 4. Dispensing hoses, no nozzle
- 5. Pump or hose assembly
- 7. DON'T KNOW
- 9. REFUSED

Q39. How many of your gas can spouts...?

- 1. Are the original that came with the gas can SPECIFY NUMBER>
- 2. Replacement spouts of a different design SPECIFY NUMBER>
- 3. Replacement spouts of the same design as the original spout SPECIFY NUMBER>
- 7. DON'T KNOW
- 9. REFUSED

[ASK IF Q39 = 7 OR 9. OTHERWISE, SKIP TO Q40]

Q39a. Are the majority of your gas can spouts...?

- 1. The original that came with the gas can
- 2. Replacement spouts of a different design
- 3. Replacement spouts of the same design as the original spout
- 7. DON'T KNOW
- 9. REFUSED

[IF Q39_1 = TOTAL NUMBER OF CANS OR Q39a = 1, SKIP TO Q41]

- Q40. How many of these spouts are?
- | | | |
|----|--------------------------------|-----------------|
| 1. | Less than a year old | SPECIFY NUMBER> |
| 2. | Between one and five years old | SPECIFY NUMBER> |
| 3. | Between six and ten years old | SPECIFY NUMBER> |
| 4. | Between 11 and 15 years old | SPECIFY NUMBER> |
| 5. | Between 16 and 20 years old | SPECIFY NUMBER> |
| 5. | More than 20 years old | SPECIFY NUMBER> |
| 7. | DON'T KNOW | |
| 9. | REFUSED | |

[ASK IF Q40 = 7 OR 9. OTHERWISE, SKIP TO Q41]

- Q40a. Are the majority of these spouts?
- | | |
|----|--------------------------------|
| 1. | Less than a year old |
| 2. | Between one and five years old |
| 3. | Between six and ten years old |
| 4. | Between 11 and 15 years old |
| 5. | Between 16 and 20 years old |
| 5. | More than 20 years old |
| 7. | DON'T KNOW |
| 9. | REFUSED |

[IF ANY OF Q40_1 THROUGH Q40_4 > 0 OR Q40a ≤ 4, CONTINUE, OTHERWISE SKIP TO Q42]

- Q41. How many of your spouts are designed to close automatically?
- | | |
|-----|-----------------|
| 1. | SPECIFY NUMBER> |
| 77. | DON'T KNOW |
| 99. | REFUSED |

[ASK IF Q41 = 77 OR 99. OTHERWISE, SKIP TO Q42]

- Q41a. Are the majority of your spouts designed to close automatically?
- | | |
|----|------------|
| 1. | YES |
| 2. | NO |
| 7. | DON'T KNOW |
| 9. | REFUSED |

- Q42. After purchase, how many of these gas cans have you or other users modified to make them easier to use?
- | | | |
|----|-----------------|---------------|
| 1. | SPECIFY NUMBER> | [SKIP TO Q43] |
| 7. | DON'T KNOW | |
| 9. | REFUSED | |

[ASK IF Q42 = 7 OR 9. OTHERWISE, SKIP TO Q43]

Q42a. After purchase, have you or other users made modifications to the majority of these gas cans to make them easier to use?

1. YES [SKIP TO Q43a]
2. NO [SKIP TO Q44]
7. DON'T KNOW
9. REFUSED

[IF Q42 = 0, SKIP TO Q44]

Q43. Of the changes that have been made, for how many of these gas cans has the...

1. The spout or nozzle been replaced. SPECIFY NUMBER AND SKIP TO Q44>
2. The spout or nozzle been modified SPECIFY NUMBER AND SKIP TO Q44>>
3. Some other change been made, SPECIFY CHANGE AND NUMBER AND SKIP TO Q44>>
7. DON'T KNOW
9. REFUSED

[GO TO Q44]

[ASK IF Q42a = 7 OR 9. OTHERWISE, SKIP TO Q44]

Q43a. Of the changes that have been made, have the majority of these gas cans had...

1. The spout or nozzle replaced.
2. The spout or nozzle modified
3. Some other change made, SPECIFY>
7. DON'T KNOW
9. REFUSED

Q44. How many of your gas cans have been damaged for any reason?

1. SPECIFY NUMBER>
77. DON'T KNOW
99. REFUSED

[ASK IF Q44 = 77 OR 99. OTHERWISE, SKIP TO Q44b]

Q44a. Have the majority of your gas cans sustained damage?

1. YES
2. NO [SKIP TO T3]
7. DON'T KNOW [SKIP TO T3]
9. REFUSED [SKIP TO T3]

[IF Q44 = 0 OR Q44a = 2, SKIP TO T3]

Q44b. Please describe the damage.

1. SPECIFY>
7. DON'T KNOW
9. REFUSED

T3 Finally, I have a few questions for you for descriptive purposes. As I mentioned before, all information you provide is completely confidential, and your name will not be connected to your responses in the final report created for this study.

Q45. First, how many people live in your household most or all of the time?

1. SPECIFY NUMBER OF PEOPLE>
7. DON'T KNOW
9. REFUSED

Q46. Which of the following categories best describes your age? You can stop me when I get to the one that applies to you.

1. 18-24
2. 25-44
3. 45-64
4. 65+
7. DON'T KNOW
9. REFUSED

Q47. Is your annual household income from all sources...

READ ONLY IF NECESSARY:

1. LESS THAN \$25,000
2. \$25,000 TO \$49,999
3. \$50,000 TO \$74,999
4. \$75,000 TO \$99,999
5. \$100,000 OR MORE
77. DON'T KNOW
99. REFUSED

Q48. What county do you live in?

1. SPECIFY COUNTY>
7. DON'T KNOW
9. REFUSED

T4 Now, I have just a few final questions to ensure that our survey represents everyone in the state well.

[ASK IF LANDLINE]

LND Do you have a working cell phone?

- 1. YES
 - 2. NO [SKIP TO EL]
- [ASK IF LANDLINE]

CEL In order to confirm your household is not counted twice in our survey, could I please have the number of this cell phone? This information will not be used to contact you, and will be destroyed after our study is complete.

[NOTE: IF THE RESPONDENT DOES NOT WISH TO PROVIDE FULL NUMBER, TELL THEM THE AREA CODE AND LAST FOUR DIGITS ARE FINE AND WOULD STILL HELP US. ENTER AREA CODE, "000", AND THEN THE LAST FOUR DIGITS.]

- 1. SPECIFY>
- 7. DON'T KNOW
- 9. REFUSED

[ASK IF LANDLINE, SKIP IF LND AND CEL=1]

EL Does anyone else in your household have a working cell phone?

- 1. YES
- 2. NO

[ASK IF CELLULAR]

CLND Is there at least one telephone INSIDE your home that is currently working and is not a cell phone?

- 1. YES
- 2. NO [SKIP TO DUA]

LLPN In order to confirm your household is not counted twice in our survey, could I please have the number of this landline? This information will not be used to contact you, and will be destroyed after our study is complete.

[NOTE: IF THE RESPONDENT DOES NOT WISH TO PROVIDE FULL NUMBER, TELL THEM THE AREA CODE AND LAST FOUR DIGITS ARE FINE AND WOULD STILL HELP US. ENTER AREA CODE, "000", AND THEN THE LAST FOUR DIGITS.]

- 1. SPECIFY>
- 7. DON'T KNOW
- 9. REFUSED

[ASK IF HAS BOTH LANDLINE AND CELL]

DUA Of all the telephone calls that your household receives are...

1. All or almost all calls received on cell phones,
2. Some were received on cell phones and some on regular phones, or
3. Very few or none on cell phones?

Q49. We are almost done with the survey. Before you go, would you be willing to provide the SSRC with one of your gas cans in exchange for a \$50 Amazon gift card if your gas can is selected for further study? We will send you the materials needed to ship it to us. If you opt to send us your gas cans, it will not be returned to you. That said, would you be willing to provide us with one of your gas cans at a later date if chosen?

1. YES
2. NO [SKIP TO CON]
7. DON'T KNOW [SKIP TO CON]
9. REFUSED [SKIP TO CON]

T5 In case your gas can is selected, I would like to verify your contact information.

Q50. Is this the best number to reach you at?

1. YES
2. NO [SKIP TO Q52]
7. DON'T KNOW [SKIP TO Q52]
9. REFUSED [SKIP TO Q52]

Q51. What is the best phone number to reach you at?

1. SPECIFY PHONE NUMBER>
7. DON'T KNOW
9. REFUSED

Q52. And may we text you at this number?

1. YES
2. NO
7. DON'T KNOW
9. REFUSED

Q53. And finally, in case we can't reach you by phone, what is your name and your email address?

1. SPECIFY NAME>
SPECIFY EMAIL ADDRESS>
2. WILL NOT PROVIDE
7. DON'T KNOW
9. REFUSED

CON That is the end of our survey. Thank you for your input. We greatly appreciate it. Have a good afternoon/evening.

DRAFT