

1710SOR

Small Off-Road Engine (SORE) 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 Social Science Research Center, at California State Fullerton. We're conducting a randomized telephone survey of 1,152 California residents 18 and over to obtain information on lawn and garden and similar equipment used by individuals in their households. This survey takes about 15 to 20 minutes to complete and consists of questions about your household's use of lawn and garden as well other types of outdoor power equipment. Even if your household does not have such equipment, your feedback is very important to our study. The data being 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.

Are you willing to participate in our study now?

1. YES, CONTINUE
2. CALLBACK
3. REFUSED

TO 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, END SURVEY

LSC1 Do you own a landscaping or yard care business?

1. YES
0. NO [SKIP TO INT2]

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>
0. NO

[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. Only research staff at the SSRC will have access to the data collected during this survey. Our center director, Laura Gil-Trejo, has no financial interest in the results of this study, and the research is being done solely for academic purposes.

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.

Now that you have this information, would you like to proceed?

1. YES, CONTINUE
2. REFUSED [END SURVEY]

[ASK IF ON FILE AS LANDLINE]

CHKLAND 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]

CHKCELL 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 Does the place where you live have a lawn, garden, or other landscaped area that needs to be maintained? If you live in an apartment, condo, or mobile home, do not include shared areas such as courtyards that are maintained by the property owner or an association.

1. YES

- 0. NO [SKIP TO T2]
- 7. DON'T KNOW
- 9. REFUSED

Q3 Who maintains the lawn, garden or landscaped areas at your home? Is it...

- 1. Yourself or someone in your household
- 2. Some other person or entity
- 3. A combination of the two
- 7. DON'T KNOW
- 9. REFUSED

[IF Q3 = 1, SKIP TO T2]

Q4 How many times per month does the gardener or landscaper work on your yard?

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

Q5 How long does it take the gardener or landscaper to complete services each time?

- 0. SPECIFY IN MINUTES> SKIP TO T2
- 1. SPECIFY IN HOURS SKIP TO T2
- 777. DON'T KNOW
- 999. REFUSED

Q5a Would you say it takes them....

- 1. Less than 15 minutes
- 2. 15 to 29 minutes
- 3. 30 to 44 minutes
- 4. 45 to 59 minutes
- 5. 1 hour to under 2 hours
- 6. 2 to 3 hours
- 7. More than 3 hours, SPECIFY>
- 77. DON'T KNOW
- 99. REFUSED

T2 Now I'd like to ask you some questions about the power lawn and garden equipment you might own.

Q6 Do you own any power lawn and garden equipment such as a lawn mower or weedwacker at your residence?

- 1. YES
- 0. NO
- 7. DON'T KNOW
- 9. REFUSED

[IF Q6 = 0, SKIP TO Q14, OTHERWISE CONTINUE]

Q7 I am going to read a list a several different types of power lawn and garden equipment. For

each, please tell me whether you own that type of equipment at your residence and how many you own. Do you own a(n)...

- i. Chainsaw
- ii. Lawn mower (walk-behind)
- iii. Leaf blower or vacuum
- iv. String trimmer/weedwacker
- v. Some other type of power lawn/garden equipment, SPECIFY TYPE>
 1. YES SPECIFY NUMBER OF EACH EQUIPMENT TYPE>
 0. NO
 7. DON'T KNOW
 9. REFUSED

[CYCLE THROUGH FOR Q8 TO Q13 FOR EACH Q7 = 1]

Q8 What is the power type for this piece of equipment?

1. Gasoline engine [SKIP TO Q10]
2. Electric motor
3. Other, SPECIFY> [SKIP TO Q10]
7. DON'T KNOW
9. REFUSED

Q9 Is this electric equipment corded or cordless?

1. CORDED
2. CORDLESS
7. DON'T KNOW
9. REFUSED

Q10 On average, how often do you use this piece of equipment throughout the year?

1. SPECIFY IN TIMES PER YEAR> SKIP TO Q11
2. SPECIFY IN TIMES PER MONTH> SKIP TO Q11
3. SPECIFY IN TIMES PER WEEK> SKIP TO Q11
7. DON'T KNOW
9. REFUSED

Q10a Would you say you use it...

1. Less than four times a year
2. Four to 11 times per year
3. Twelve to 24 times per year
4. Twenty-five to 51 times per year
5. Fifty-two times per year
6. More than 52 times per year, SPECIFY HOW OFTEN>
7. DON'T KNOW
9. REFUSED

Q11 How long do you use this piece of equipment each time?

1. SPECIFY IN MINUTES> SKIP TO Q12
2. SPECIFY IN HOURS SKIP TO Q12

- 777. DON'T KNOW
- 999. REFUSED

Q11a Would you say use it...

- 1. Five minutes or less
- 2. Six to ten minutes
- 3. 11 to 15 minutes
- 4. 16 to 30 minutes
- 5. 31 to 45 minutes
- 6. 46 to 60 minutes
- 7. More than an hour, SPECIFY HOW LONG>
- 77. DON'T KNOW
- 99. REFUSED

Q12 What is the approximate age of this equipment?

- 1. SPECIFY IN YEARS> SKIP TO Q13
- 2. SPECIFY IN MONTHS> SKIP TO Q13
- 777. DON'T KNOW
- 999. REFUSED

Q12a Would you say it is...

- 1. Less than a year old
- 2. One year old but less than three years old
- 3. Three years old but less than six years old
- 4. Six years old but less than ten years old
- 5. Ten years old but less than 20 years old
- 6. Twenty years old but less than 30 years old
- 7. More than 30 years old
- 77. DON'T KNOW
- 99. REFUSED

Q13 How much longer do you plan to keep this equipment?

- 1. SPECIFY IN YEARS> SKIP TO T3
- 2. SPECIFY IN MONTHS> SKIP TO T3
- 777. DON'T KNOW
- 999. REFUSED

Q13a Would you say you will keep it...

- 1. Less than a year more
- 2. One year but less than three years more
- 3. Three years but less than six years more
- 4. Six to ten years
- 5. Greater than 10 years or more
- 6. Until it breaks/fails
- 7. DON'T KNOW
- 9. REFUSED

CONTINUE TO T3

- Q14 Do you own any manual lawn and garden equipment (such as reel mowers, rakes)?
1. YES
 0. NO
 7. DON'T KNOW
 9. REFUSED

T3 Now I want to ask you about other types of outdoor power equipment you might use at your home aside from lawn and garden equipment

- Q15 I am going to read a list a several different types of outdoor power equipment. For each, please tell me whether you own that type of equipment at your residence. Do you own at least one...
1. Compressor (not hard-wired)
 2. Generator
 3. Go cart
 4. Pressure washer
 5. Pump, such as motor driven water or gas pumps
 6. Snow blower
 7. Utility cart/golf cart
 8. Welder
 9. Some other type of outdoor power equipment, SPECIFY>
 1. YES, SPECIFY NUMBER>
 0. NO
 7. DON'T KNOW
 9. REFUSED

[CYCLE THROUGH FOR Q16 TO Q21 FOR EACH Q15 = 1]

[IF Q15_1 THROUGH Q15_9 ALL = 0, SKIP TO TRANS 4]

- Q16 What is the power type for this piece of equipment?
1. Gasoline engine SKIP TO Q18
 2. Electric motor
 3. Other, SPECIFY> SKIP TO Q18
 7. DON'T KNOW
 9. REFUSED

- Q17 Is this electric equipment corded or cordless?
1. CORDED
 2. CORDLESS
 7. DON'T KNOW
 9. REFUSED

- Q18 On average, how often do you use this piece of equipment throughout the year?
1. SPECIFY IN TIMES PER YEAR> SKIP TO Q19
 2. SPECIFY IN TIMES PER MONTH> SKIP TO Q19
 3. SPECIFY IN TIMES PER WEEK> SKIP TO Q19
 7. DON'T KNOW

9. REFUSED

Q18a Would you say that you use it...

1. Less than four times a year
2. Four to 11 times per year
3. Twelve to 24 times per year
4. Twenty-five to 51 times per year
5. Fifty-two times per year
6. More than 52 times per year, SPECIFY HOW OFTEN>
7. DON'T KNOW
9. REFUSED

Q19 How long do you use this piece of equipment each time?

1. SPECIFY IN MINUTES> SKIP TO Q20
2. SPECIFY IN HOURS> SKIP TO Q20
777. DON'T KNOW
999. REFUSED

Q19a Would you say that you use it...

1. Five minutes or less
2. Six to ten minutes
3. 11 to 15 minutes
4. 16 to 30 minutes
5. 31 to 45 minutes
6. 46 to 60 minutes
7. More than an hour
77. DON'T KNOW
99. REFUSED

Q20 What is the approximate age of this equipment?

1. SPECIFY IN YEARS> SKIP TO Q21
2. SPECIFY IN MONTHS> SKIP TO Q21
777. DON'T KNOW
999. REFUSED

Q20a Would you say it is...

1. Less than a year old
2. One year old but less than three years old
3. Three years old but less than six years old
4. Six years old but less than ten years old
5. Ten years old but less than 20 years old
6. Twenty years old but less than 30 years old
7. More than 30 years old
77. DON'T KNOW
99. REFUSED

Q21 How much longer do you plan to keep this equipment?

- 1. SPECIFY IN YEARS> SKIP TO Q22
- 2. SPECIFY IN MONTHS> SKIP TO Q22
- 777. DON'T KNOW
- 999. REFUSED

Q21a Would you say you will keep it...

- 1. Less than a year more
- 2. One year but less than three years more
- 3. Three years but less than six years more
- 4. Six to ten years
- 5. Greater than 10 years or more
- 6. Until it breaks/fails
- 7. DON'T KNOW
- 9. REFUSED

[IF Q7 ALL = 0 AND Q15 ALL = 0, SKIP TO T4]

Q22 Is engine maintenance ever performed on any of your power equipment?

- 1. YES
- 0. NO [SKIP TO T4]
- 7. DON'T KNOW [SKIP TO T4]
- 9. REFUSED [SKIP TO T4]

Q23 Who performs the engine maintenance on your equipment?

- 1. A dealer or small engine shop
- 2. You or a household member
- 3. Someone else, SPECIFY>
- 7. DON'T KNOW
- 9. REFUSED

Q24 How often is engine maintenance performed on your equipment?

- 1. Per manufacturer's recommended schedule
- 2. Annually
- 3. Only when it stops working or breaks
- 4. On some other schedule, SPECIFY>
- 7. DON'T KNOW
- 9. REFUSED

T4 Now I'd like to ask you some questions about your future plans to purchase power equipment.

Q25 Are you planning to buy [IF ANY Q7 = 1 OR Q15 = 1, "additional"] power lawn and garden or other outdoor power equipment in the next 12 months?

- 1. YES
- 0. NO [SKIP TO Q33]
- 7. DON'T KNOW [SKIP TO Q33]
- 9. REFUSED [SKIP TO Q33]

Q26 Will this equipment replace old equipment you are getting rid of or will you add it to the equipment you already have?

1. REPLACEMENT
2. ADDITIONAL
3. BOTH REPLACEMENT/ADDITIONAL
7. DON'T KNOW
9. REFUSED

Q27 How many pieces of equipment do you plan to purchase?

1. SPECIFY NUMBER OF PIECES>
7. DON'T KNOW [SKIP TO Q32]
9. REFUSED [SKIP TO Q32]

Q28 What type of equipment do you plan to purchase?

1. SPECIFY UP TO 6 EQUIPMENT TYPES>
7. DON'T KNOW
9. REFUSED

[CYCLE THROUGH Q29 THROUGH Q31 FOR EACH PIECE IN Q28]

Q29 And do you plan to purchase an electric or gasoline powered version of this equipment?

1. ELECTRIC
2. GASOLINE ENGINE POWERED
3. Other, SPECIFY>
7. DON'T KNOW
9. REFUSED

[IF Q29 ≠ 1, SKIP TO Q30]

Q29a And do you plan to purchase a corded or cordless version of this equipment?

1. CORDED
2. CORDLESS
7. DON'T KNOW
9. REFUSED

[IF Q29 = 1, SKIP TO Q32]

Q30 To your knowledge, is this piece of equipment available in an electric version?

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

Q31 What factors might you consider if deciding between an electric version and the engine-powered one you said you expect to buy? I'm going to read a few options. You can select more than one.

1. Cost
2. Power
3. The time the equipment will run before needing to fill the gas tank or recharge batteries
4. Some other factor, SPECIFY

- 7. DON'T KNOW
- 9. REFUSED

[Q26 = 1 CONTINUE, OTHERWISE SKIP TO T5]

Q32 What will you do with your old equipment when you replace it with new equipment? Please select the most likely option from the following list.

- 1. Throw it in the trash
- 2. Recycle it
- 3. Give it away/sell it
- 4. Keep it
- 5. Do something else with it, SPECIFY>
- 7. DON'T KNOW
- 9. REFUSED

[SKIP TO T5]

Q33 If you were to purchase a piece of lawn and garden or outdoor power equipment, what factors might you consider if deciding between electric equipment and gas-powered equipment? I'm going to read a few options. You can select more than one.

- 1. Cost
- 2. Power
- 3. The time the equipment will run before needing to fill the gas tank or recharge batteries
- 4. Some other factor, SPECIFY>
- 5. I am not aware of an electric version of the equipment I would want
- 7. DON'T KNOW
- 9. REFUSED

T5 Now I am going to ask you a few questions regarding gas cans.

Q34 How many gas cans do you own to refuel your equipment or automobiles?

- 1. SPECIFY NUMBER OF CANS> [IF # = 0, SKIP TO T6]
- 7. DON'T KNOW [SKIP TO T6]
- 9. REFUSED [SKIP TO T6]

Q35 How many of these [INSERT NUMBER OF CANS FROM Q34] are made of?

- 1. Plastic SPECIFY NUMBER
- 2. Metal SPECIFY NUMBER
- 3. Some other material, SPECIFY MATERIAL AND NUMBER>
- 7. DON'T KNOW
- 9. REFUSED

Q36 What size is this gas can/most of these cans? Is it/ are they...

- 1. 1-gallon
- 2. 2.5 gallon
- 3. 5 gallon
- 4. Some other size, SPECIFY IN GALLONS>
- 7. DON'T KNOW

9. REFUSED

Q37 What is the approximate age of this /these gas cans?

- 1. SPECIFY IN YEARS> SKIP TO Q38
- 2. SPECIFY IN MONTHS> SKIP TO Q38
- 777. DON'T KNOW
- 999. REFUSED

Q37a Would you say it is/they are...

- 1. Less than a year old
- 2. One year old but less than three years old
- 3. Three years old but less than six years old
- 4. Six years old but less than ten years old
- 5. Ten years old but less than 20 years old
- 6. Twenty years old but less than 30 years old
- 7. More than 30 years old
- 77. DON'T KNOW
- 99. REFUSED

Q38 How often do you typically refill this gas can/these gas cans?

- 1. SPECIFY IN TIMES PER YEAR> SKIP TO Q19
- 2. SPECIFY IN TIMES PER MONTH> SKIP TO Q19
- 3. SPECIFY IN TIMES PER WEEK> SKIP TO Q19
- 7. DON'T KNOW
- 9. REFUSED

Q38a Would you say you typically refill it/them...

- 1. Less than four times a year
- 2. Four to 11 times per year
- 3. Twelve to 24 times per year
- 4. Twenty-five to 51 times per year
- 5. Fifty-two times per year
- 6. More than 52 times per year, SPECIFY HOW OFTEN>
- 7. DON'T KNOW
- 9. REFUSED

Q39 Have you made any changes to your gas cans to make them easier to use?

- 1. YES
- 0. NO [SKIP TO T6]
- 7. DON'T KNOW [SKIP TO T6]
- 9. REFUSED [SKIP TO T6]

Q40 What changes have you made? Have you...

- 1. Replaced the spout
- 2. Modified the spout
- 3. Made some other change, SPECIFY>
- 7. DON'T KNOW
- 9. REFUSED

T6 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.

Q41 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

Q42 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

Q43 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

T7 Now, I have just a few final questions to ensure that our survey represents everyone in the state well.

[ASK IF LANDLINE]
LNDCEL Do you have a working cell phone?

1. YES
2. NO [SKIP TO ELSECEL]

[ASK IF LANDLINE]
CELNUM 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 RESPONDENT DOES NOT WISH TO PROVIDE FULL NUMBER, TELL THEM THE AREA CODE AND LAST FOUR DIGITS IS 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 LNDCEL=1]
 ELSECEL Does anyone else in your household have a working cell phone?
 1. YES
 2. NO

[ASK IF CELLULAR]
 CELLND 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 DUALUSE]

[ASK IF CELLULAR, SKIP IF CELLND=1]
 LLPHN 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 RESPONDENT DOES NOT WISH TO PROVIDE FULL NUMBER, TELL THEM THE AREA CODE AND LAST FOUR DIGITS IS 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]
 DUALUSE Of all the telephone calls that your household receives are...

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

[IF Q3 = 1, SKIP TO END]
 Q44 We are almost done with the survey. Before you go, would you be willing to provide the contact information for your gardener/landscaper or the name of their business so they can potentially participate in a survey of garden/landscape business owners?

- 1. YES, SPECIFY NAME>
 SPECIFY PHONE>
 SPECIFY EMAIL>
- 0. NO

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