

APPENDIX B

LAWN AND GARDEN EQUIPMENT ACTIVITY SURVEYS

This appendix contains a survey questionnaire designed to gather information about business activity as it relates to lawn and garden equipment.

The survey was conducted by Freeman, Sullivan, & Co.

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INTRO1. Hello, my name is ----- and I'm calling on behalf of the US Department of Energy. Your business or facility has been randomly selected to participate in an important study about air quality in the Los Angeles area.

INTRO2. We are calling to ask Los Angeles businesses about normal business operations that may be related to air quality. By answering these questions you will be helping the Department of Energy better understand air quality within the LA basin.

The interview will take about 10 minutes of your time. Your responses will be kept confidential. Can I begin the interview now?

[INTERVIEWER]

If asked: Your information will be held in the strictest confidence and will not be used for any purpose other than the Los Angeles Air Quality Study. Freeman, Sullivan & Company will not identify individual study participants and will not report your personal information (such as name, address, or telephone) to the Department of Energy nor to any other party.

[Q1] TYPE

Our records show that this business or facility performs landscape, lawn, or garden maintenance operations. Is that correct ?

- [1] Yes
- [2] No (terminate)
- [8] DON'T KNOW (terminate)
- [9] REFUSED (terminate)

[Q2] PERSON

Are you the best person to talk to about day -to-day landscape, lawn or garden maintenance activities?

- [1] Yes (Go to Q#4)
- [2] No
- [8] DON'T KNOW
- [9] REFUSED

[Q3] BEST

Is there someone else I should talk with?

- [1] Yes (coming to the phone) (Go to Intro 1 and 2)
- [2] Yes (not available now) (Callback Business)
- [3] No (Terminate)
- [8] DON'T KNOW (Terminate)
- [9] REFUSED (Terminate)

[Q4] TYPE

From now on, I'll say "lawn service" instead of "landscape, lawn, or garden maintenance". For what types of properties do you provide lawn services?

- [1] Residential properties only (Go to Q#6)
- [2] Non-residential properties only (commercial, government-owned, or public)
- [3] Both residential and non-residential properties
- [8] DON'T KNOW
- [9] REFUSED

[Q5] COMMERCIAL

What types of non-residential properties do you serve? (Multiple Response)

- [1] Schools, colleges or university campuses
- [2] Cemeteries
- [3] Golf courses
- [4] Parks and recreation areas
- [5] Business parks or commercial spaces
- [6] Other (specify) _____
- [8] DON'T KNOW
- [9] REFUSED

[Q6] SERVE

About how many properties do you serve on a weekly basis? (Note: _____)

- [8] DON'T KNOW
- [9] REFUSED

[Q7] EQUIPMENT

- a. What equipment does your company use for landscape, lawn, and garden maintenance during the summertime? The summertime months include June through September (CORRECT???—yes, correct)
- b. How many of your (name of equipment) are powered by gasoline, diesel fuel, electricity, or manual power?

- [8] DON'T KNOW
- [9] REFUSED

Name of Equipment	A. USE	B. How Powered by Number?
1. Mowers	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____ 1. Gasoline _____ 2. Diesel _____ 3. Electricity _____ 4. Manual
2. Tractors	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____ 1. Gasoline _____ 2. Diesel _____ 3. Electricity _____ 4. Manual
3. Chainsaws	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____ 1. Gasoline _____ 2. Diesel _____ 3. Electricity _____ 4. Manual
4. Commercial turf equipment	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____ 1. Gasoline _____ 2. Diesel _____ 3. Electricity _____ 4. Manual
5. Leaf blowers	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____ 1. Gasoline _____ 2. Diesel _____ 3. Electricity _____ 4. Manual
6. Edgers/trimmers/cutters	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____ 1. Gasoline _____ 2. Diesel _____ 3. Electricity _____ 4. Manual

[Q8] CHEMICALS

Does your business or facility use pesticides or fertilizers for lawn services during the summertime?

- [1] Fertilizers only
- [2] Pesticides only (Go to Q#13)
- [3] Both fertilizers and pesticides
- [4] No (Go to Q#17)
- [8] DON'T KNOW (Go to Q#17)
- [9] REFUSED (Go to Q#17)

[Q9] FERTILIZERS1

Do you use fertilizers for lawn services more often on certain days of the week? Would you say...(Interviewer read all response choices)

- [1] Fertilizers are only used Monday through Friday
- [2] Fertilizers are only used Saturday or Sunday
- [3] Fertilizers are more likely used Monday through Friday than on the weekend
- [4] Fertilizers are more likely used Saturday or Sunday than during the week
- [5] Fertilizers are used any day of the week
- [8] DON'T KNOW (Go to Q#13)
- [9] REFUSED (Go to Q#13)

[Q11] FERTFREQ

On average, how often do you use fertilizers during the summertime for a typical property?

- [1] Daily to weekly
- [2] Weekly to monthly
- [3] Monthly to bimonthly
- [4] Only once or twice per summer
- [8] DON'T KNOW
- [9] REFUSED

[Q12] DAYS1

When you apply fertilizer on a typical property, how many days does it take?

Enter number: (1-365)

- [8] DON'T KNOW
- [9] REFUSED

(If Q#8 EQ 1, Go to Q#17, otherwise Go to Q#13)

[Q13] PESTICIDES1

Do you use pesticides for lawn services more often on certain days of the week? Would you say... (Interviewer read all response choices)

- [1] Pesticides are only used Monday through Friday
- [2] Pesticides are only used Saturday or Sunday
- [3] Pesticides are more likely used Monday through Friday than on weekends
- [4] Pesticides are more likely used Saturday or Sunday than during the week
- [5] Pesticides are used any day of the week
- [8] DON'T KNOW (Go to Q#17)
- [9] REFUSED (Go to Q#17)

[Q15] PESTICIDEFREQ

On average, how often do you use fertilizers during the summertime for lawn services?

- [1] Daily to weekly
- [2] Weekly to monthly
- [3] Monthly to bimonthly
- [4] Only once or twice per summer
- [8] DON'T KNOW
- [9] REFUSED

[Q16] DAYS2

How many days does it normally take to apply pesticides on a typical property?

When you apply pesticides on a typical property, how many days does it take?

Enter number: (1-365)

- [8] DON'T KNOW
- [9] REFUSED

[Q17] AREA

What is the total approximate land area for which your business or facility provides landscape and garden maintenanceservices during a typical summertime week? [Make your best guess].

- [1] Less than 1 acre
- [2] 1-10 acres
- [3] 11-50 acres
- [4] 51-250 acres
- [5] 251-1,000 acres

- [6] 1,001-5,000 acres
- [7] >5000 acres
- [88] DON'T KNOW
- [99] REFUSED

[Q18] WORKERS

On a typical summer workday at your business, how many people are employed as landscape and garden maintenance workers, including temporary and part-time laborers? _____

- [8] DON'T KNOW
- [9] REFUSED

[Q19] HOURS

We'd now like to ask you some questions about your landscape and garden maintenance workers' normal summertime working hours on weekdays, Monday through Friday.

Do landscape and garden maintenance employees normally work the same hours Monday through Friday during the summertime, or do their work hours vary?

- [1] Same hours on weekdays
- [2] Different hours on weekdays (Go to Q#21)
- [8] DON'T KNOW
- [9] REFUSED

[Q20] WEEKDAYS

What are the normal weekday hours during the summertime? _____ to _____ (military time)

- [8] DON'T KNOW
- [9] REFUSED (Go to Q#22)

[Q21] DIFFERENT1

I'd now like to ask you about your landscape and garden maintenance employees' normal working hours on weekdays during the summertime.

Let's start with Monday. What are their normal working hours on Monday during the summertime? How about Tuesday? What about Wednesday, Thursday and Friday?

- a. Monday _____ to _____ (military time)
- b. Tuesday _____ to _____ (military time)
- c. Wednesday _____ to _____ (military time)
- d. Thursday _____ to _____ (military time)
- e. Friday _____ to _____ (military time)

1.

- [8] DON'T KNOW
- [9] REFUSED

6[Q22] WEEKENDS

Do landscape and garden maintenance employees normally work for your business on Saturdays or Sundays during the summertime? Would you say...

- [1] Saturdays only (Go to Q#23a and then Q#24)
- [2] Sundays only (Go to Q#23b and then Q#24)
- [3] Both Saturdays and Sundays (Go to Q#23a & b and then Q#24)
- [4] Neither Saturday nor Sunday (Go to Q#24)
- [8] DON'T KNOW (Go to Q#24)
- [9] REFUSED (Go to Q#24)

[Q23] HOURS

What are their normal working hours on Saturday and Sunday during the summertime? Let's begin with Saturday. How about Sunday?

- 23a. Saturday _____ to _____ (military time)
- 23b. Sunday _____ to _____ (military time)

- [8] DON'T KNOW
- [9] REFUSED

[Q24] SHIFTS1

We'd like to ask about the work shifts for landscape and garden maintenance workers during the summertime. Are the shifts usually the same Monday through Friday? Would you say...

- [1] Each weekday uses the same shifts
- [2] Some weekdays use different shifts (Go to Q#26)
- [8] DON'T KNOW (If Q#22 EQ 1 or 3 Go to Q# 27, otherwise go to "Thank You"; If Q#22 EQ 2, go to Q#28)
- [9] REFUSED (If Q#22 EQ 1 or 3 Go to Q# 27, otherwise go to "Thank You", If Q#22 EQ 2, go to Q#28)

[Q25] WEEKDAY

How many landscape and garden maintenance workers are usually working on a weekday between the hours of:

SHIFTS	TOTAL NUMBER
a. 8 am and 12 noon?	_____
b. 12 noon and 4 pm?	_____
c. 4 pm and 8 pm?	_____
d. 8 pm and midnight?	_____
e. Midnight and 4 am?	_____
f. Between 4 am and 8 am?	_____

- [8] DON'T KNOW
- [9] REFUSED (Go to Q#27)

[Q26] DIFFERENT2

Starting with Monday, how many landscape and garden maintenance workers are usually working on a weekday between the hours of...Let's now talk about Tuesday...What about Wednesday, Thursday, and Friday?

SHIFTS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
a. 8 am and 12 noon?	_____	_____	_____	_____	_____
b. 12 noon and 4 pm?	_____	_____	_____	_____	_____
c. 4 pm and 8 pm?	_____	_____	_____	_____	_____
d. 8 pm and midnight?	_____	_____	_____	_____	_____
e. Midnight and 4 am?	_____	_____	_____	_____	_____
f. Between 4 am and 8 am?	_____	_____	_____	_____	_____

- [8] DON'T KNOW
 - [9] REFUSED
- (If Q#22 EQ 1, go to Q#27; If Q#22 EQ 2, go to Q#28; if Q#22 EQ 3, go to Q#27 and Q#28; If Q#22 EQ 4, go to "Thank You")

[Q27] SAT

How many landscape and garden maintenance workers are usually working on a Saturday between the hours of:

SHIFTS	TOTAL NUMBER
a. 8 am and 12 noon?	_____
b. 12 noon and 4 pm?	_____
c. 4 pm and 8 pm?	_____
d. 8 pm and midnight?	_____
e. Midnight and 4 am?	_____
f. Between 4 am and 8 am?	_____

[8] DON'T KNOW

[9] REFUSED

(If Q#22 EQ 3, go to Q#28, otherwise go to "Thank You")

[Q28] SUN

How many landscape and garden maintenance workers are usually working on a Sunday between the hours of:

SHIFTS	TOTAL NUMBER
a. 8 am and 12 noon?	_____
b. 12 noon and 4 pm?	_____
c. 4 pm and 8 pm?	_____
d. 8 pm and midnight?	_____
e. Midnight and 4 am?	_____
f. Between 4 am and 8 am?	_____

[8] DON'T KNOW

[9] REFUSED

THANK YOU

Those are all the questions I have for you. Thank you again for your time and your participation in this important project. Goodbye.