

## EC2HouseholdSurvey - TESTING

Q1 Dr. Ben Wooliscroft, from the Centre for Sustainability (CSAFE) at the University of Otago, is researching New Zealanders' use of and attitudes to energy and transportation. Please go through the following questions and mark the answers that apply to you. The questionnaire will take around 30 minutes of your time. Your participation in this survey is completely voluntary and you are free to withdraw at any time. You are assured of anonymity and individual responses will be confidential. According to University Policy the data will be stored on password-protected computers for a minimum of five years. The results of this research will be published in academic journals. This questionnaire includes questions about your home, work, shopping and school addresses. The addresses will not be used to identify you in any way. They are collected so we can calculate the distance (in kilometres and time) between your major destinations and the alternative modes (car, bike, public transport) available to you. This project has the approval of the Department of Marketing at the University of Otago. If you have any questions about the study, please e-mail [ben.wooliscroft@otago.ac.nz](mailto:ben.wooliscroft@otago.ac.nz). Full contact details are provided at the end of the survey. By clicking on the link below, you confirm that you agree to participate in this research. Thank you for taking time to complete this questionnaire!

Q2 By clicking on this link, I confirm that I agree to participate in this research.

- I agree to participate in this study (1)

Q3 Before proceeding to the survey I need to check that you would be representative of the population. That is there aren't too many people from one area, age or gender.

Are you:

- Male (1)
- Female (2)

Q4 Your age is:

- 18-29 (1)
- 30-44 (15)
- 45-59 (16)
- 60-74 (17)
- 75 and over (18)

Q5 The region that you live in is:

- Northland Region (4)
- Auckland Region (5)
- Waikato Region (6)
- Bay of Plenty Region (7)
- Gisborne & Hawke's Bay Region (8)
- Taranaki Region (10)
- Manawatu-Wanganui Region (11)
- Wellington Region (12)
- Nelson, Tasman and Marlborough Regions (21)
- Canterbury and West Coast Regions (14)
- Otago Region (15)
- Southland Region (16)

Q6 What type of dwelling do you live in? (please select the option which applies to you)

- Separate house (1)
- Flat/apartment adjoining other flats (or buildings) (2)
- Other (3)

Q7 When was your house built?

- Before 1978 (1)
- Between 1978 – 1999 (2)
- Between 2000 - 2007 (3)
- After 2007 (4)
- Don't know (5)

Q8 How are your external walls constructed?

- Timber or steel framing (including those with brick veneer cladding) (1)
- Concrete, brick or solid timber (2)
- Other, please specify (3)

Answer If How are your external walls constructed? Other, please specify Is Selected

Q9 What are the external walls of your house constructed from?

Q10 How many rooms does your dwelling have and which do you heat regularly? – (please write the number of rooms in the boxes provided)

	Number of	
	Rooms (1)	Rooms heated regularly (2)
Bedrooms (1)		
Lounges or living rooms (2)		
Dining rooms or kitchen/dining rooms (3)		
Separate Kitchens (4)		
Studies or offices (5)		
Bathrooms (6)		
Separate toilets (7)		
Laundries (8)		

Q11 How many hours of direct sunshine would your house get on a clear winter's day in June-July?

\_\_\_\_\_ Hours (1)

Q12 Do you rent or own the dwelling you live in?

- Rent from private owner (1)
- Rent from Housing NZ (2)
- Rent from Local Council (3)
- Own debt-free (4)
- Own, with mortgage(s) on it (5)
- Other (6)

Answer If Do you rent or own the dwelling you live in? Other Is Selected

Q13 Please specify your other situation

Q14 How long have you lived in your current house? (in years)

\_\_\_\_\_ Years (1)

Q15 How much longer do you plan to live in your house?

\_\_\_\_\_ Years (1)

Q16 Can you apply a temperature setting to your main living area (e.g. with a thermostat for heat pump or central heating)?

- Yes (1)
- No (2)

Answer If Can you apply a temperature setting to your main living area (e.g. with a thermostat for heat pump or central heating)? Yes Is Selected

Q17 What temperature do you set your main living area at in degrees Celsius?

\_\_\_\_\_ Degrees Celsius (1)

Q18 What temperature would you like your main living area to be, in degrees Celsius?

\_\_\_\_\_ Degrees Celsius (1)

Q19 Which of the following methods do you have available for heating your house?

- Heat pump (1)
- Electric night-store (2)
- Portable electric heaters (3)
- Electric heaters fixed in place (4)
- Enclosed coal burner (5)
- Enclosed wood burner (6)
- Portable gas heater (7)
- Gas heaters fixed in place (8)
- Central heating – gas (flued) (9)
- Central heating – electric (10)
- DVS or other heat transfer system (11)
- HRV or other ventilation system (12)
- Underfloor electric heating (13)
- Underfloor gas heating (14)
- Central heating pellet burner (17)
- Open fire (15)
- Other (16)

Q20 Which of the following is your main method of heating?

Q21 Do you use any heat transfer ducts to spread the heat between rooms?

- Yes (1)
- No (2)

Q22 Have you changed your main method of heating in the past year?

- Yes (1)
- No (2)

Answer If Have you changed your main method of heating in the past year? Yes Is Selected

Q23 What was your main method of heating previously?

Answer If Have you changed your main method of heating in the past year? Yes Is Selected

Q24 Why did you change your main method of heating?

Q25 How satisfactory is your main method heating? (please choose one)

- I am happy with it and don't want to change (1)
- I like it but would like to get something better if the opportunity arose (2)
- I am unhappy with my current method and want to get something else (3)

Answer If How satisfactory is your main method heating? (please choose one) I am happy with it and don't want to change Is Not Selected

Q26 Why are you unhappy with your main method of heating?

Answer If How satisfactory is your main method heating? (please choose one) I am happy with it and don't want to change Is Not Selected

Q27 What alternative heating method would you consider purchasing?

Q28 What times during the day do you typically have heating on in your house (select as many as appropriate for both the week and the weekend/holidays)?

	7am-9am (1)	9am-12pm (2)	12pm-3pm (3)	3pm-6pm (4)	6pm-9pm (5)	9pm-7am (6)
During the week (Monday-Friday) (1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
During the weekend and holidays (2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Answer If Which of the following methods do you have available for heating your house? Heat pump Is Selected

Q29 Do you also use your heat pump for cooling?

- Yes (1)
- No (2)

Answer If Do you also use your heat pump for cooling? Yes Is Selected

Q30 What temperature do you set your heat pump to for cooling, in degrees Celcius?

\_\_\_\_\_ Degrees Celsius (1)

Answer If Do you also use your heat pump for cooling? Yes Is Selected

Q31 When do you typically use your heat pump for cooling (please tick all appropriate for both week days and weekends/holidays)?

	7am-9am (1)	9am-12pm (2)	12pm-3pm (3)	3pm-6pm (4)	6pm-9pm (5)	9pm-7am (6)
Week days (1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Week ends/holidays (2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q32 Which of the following methods do you use for heating your water?

- Cylinder - Solar (1)
- Cylinder - Electric (2)
- Cylinder - Gas (3)
- Cylinder - Wood (wetback) (4)
- Cylinder - Heatpump (5)
- Instant - Gas (6)
- Combination (e.g. solar with instant gas or electric backup) (7)
- Other (8)

Q33 If known, what temperature do you set your hot water to? (degrees Celsius)

\_\_\_\_\_ Degrees Celsius (1)

Q34 What facilities does your household have and use?

	Do not have (1)	Have and do not use (2)	Have and use (3)
Shower (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bath (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Answer If Which of the following methods do you use for heating your water?

Cylinder - Electric Is Selected And What facilities does your household have and use? Bath - Have and use Is Selected Or Which of the following methods do you use for heating your water? Cylinder - Solar Is Selected And What facilities does your household have and use? Bath - Have and use Is Selected

Q35 Typically how many baths does your household have each morning?

Week days (1)

Week ends/holidays (2)

Answer If Which of the following methods do you use for heating your water?  
Cylinder - Solar Is Selected And What facilities does your household have and use?  
Shower - Have and use Is Selected Or Which of the following methods do you use  
for heating your water? Cylinder - Electric Is Selected And What facilities does your  
household have and use? Shower - Have and use Is Selected

Q36 Typically how many showers does your household have each morning?

Week days (1)

Week ends/holidays (2)

Answer If Which of the following methods do you use for heating your water?  
Cylinder - Solar Is Selected And What facilities does your household have and use?  
Bath - Have and use Is Selected Or Which of the following methods do you use for  
heating your water? Cylinder - Electric Is Selected And What facilities does your  
household have and use? Bath - Have and use Is Selected

Q37 Typically how many baths does your household have each evening?

Week days (1)

Week ends/holidays (2)

Answer If Which of the following methods do you use for heating your water?  
Cylinder - Solar Is Selected And What facilities does your household have and use?  
Shower - Have and use Is Selected Or Which of the following methods do you use  
for heating your water? Cylinder - Electric Is Selected And What facilities does your  
household have and use? Shower - Have and use Is Selected

Q38 Typically how many showers does your household have each evening?

Week days (1)

Week ends/holidays (2)

Answer If Which of the following methods do you use for heating your water?  
Cylinder - Solar Is Selected Or Which of the following methods do you use for  
heating your water? Cylinder - Electric Is Selected Or Which of the following methods  
do you use for heating your water? Cylinder - Gas Is Selected Or Which of the  
following methods do you use for heating your water? Cylinder – Wood (wetback) Is  
Selected Or Which of the following methods do you use for heating your water?  
Cylinder - Heatpump Is Selected

Q39 Has your cylinder been fitted with any extra insulation wrapping? (for example a  
woollen or fibreglass wrap)

Yes (1)

No (2)

Don't know (3)

Q40 Please indicate which of the following appliances you own and use:

	Do not own (1)	Own and never use (2)	Own and use (3)
Dehumidifier (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dishwasher (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Separate deep-freezer (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fridge/freezer (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Second fridge/garage fridge (21)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clothes dryer (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Plasma screen TV (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
LCD or LED Screen TV (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Video recorder or Digital recorder (hard disc) (9)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
DVD/Bluray player (10)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Games console (11)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Home computer – Desktop (12)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Laptop computer (13)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Heated towel rail (14)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Electric blanket (15)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Heated swimming pool (16)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Front load washing machine (17)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Top load washing machine (18)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Toaster (19)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Microwave (20)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Spa pool (38)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q41 Do any of the appliances that you have include a delay function that you use?

Q42 How many televisions are there in your household?

\_\_\_\_\_ (1)





Answer If Please indicate which of the following appliances you own and use:

Dishwasher - Own and use Is Selected

Q47 Which dishwasher settings do you typically use?

	Never (1)	Rarely (2)	Sometimes (3)	Often (4)	All of the Time (5)
Quick/Eco wash (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Normal wash (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Heavy/pot wash (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q48 How often do you cook the following?

	Never (1)	Less than Once a Month (2)	Once a Month (3)	2-3 Times a Month (4)	Once a Week (5)	2-3 Times a Week (6)	Daily (7)
Breakfast (hot) (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lunch (cooked) (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dinner (cooked) (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Baking (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q49 What type are the majority of your light bulbs?

- Halogen (1)
- LED (2)
- Energy saving - compact florescent (3)
- Incandescent - old style bulbs (4)

Answer If Please indicate which of the following appliances you own and use:

Heated towel rail - Own and use Is Selected

Q50 When do you use your heated towel rail?

- All the time (1)
- On a timer (2)
- sometimes with manual switching (3)

Answer If When do you use your heated towel rail? On a timer Is Selected Or When do you use your heated towel rail? sometimes with manual switching Is Selected

Q51 When is your heated towel rail typically on (please select as many as appropriate for both week days and weekend/holidays)?

	7am-9am (1)	9am-12pm (2)	12pm-3pm (3)	3pm-6pm (4)	6pm-9pm (5)	9pm-7am (6)
Week days (1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Weekend/holidays (2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Answer If Please indicate which of the following appliances you own and use:

Heated towel rail - Own and use Is Selected

Q52 What is the main reason you use your heated towel rail?

- To dry towels (1)
- To warm towels before use (2)
- Background heating of bathroom (3)

Q53 What are your households approximate monthly energy bills in the SUMMER? (dollars)

- \_\_\_\_\_ Electricity (1)
- \_\_\_\_\_ Gas (2)
- \_\_\_\_\_ Coal (3)
- \_\_\_\_\_ Wood (4)
- \_\_\_\_\_ Petrol (5)
- \_\_\_\_\_ Diesel (6)
- \_\_\_\_\_ Other (7)

Q54 What are your household approximate monthly energy bills in the WINTER? (dollars)

- \_\_\_\_\_ Electricity (1)
- \_\_\_\_\_ Gas (2)
- \_\_\_\_\_ Coal (3)
- \_\_\_\_\_ Wood (4)
- \_\_\_\_\_ Petrol (5)
- \_\_\_\_\_ Diesel (6)
- \_\_\_\_\_ Other (7)

Q55 What is your approximate combined household income before tax?

- under \$10 000 (1)
- \$10 001 - \$20 000 (2)
- \$20 001 - \$30 000 (3)
- \$30 001 - \$40 000 (4)
- \$40 001 - \$50 000 (5)
- \$50 001 - \$60 000 (6)
- \$60 001 - \$70 000 (7)
- \$70 001 - \$80 000 (8)
- \$80 001 - \$90 000 (9)
- \$90 001 - \$100 000 (10)
- \$100 001 - \$110 000 (11)
- \$110 001 - \$120 000 (12)
- \$120 001 - \$130 000 (13)
- \$130 001 - \$140 000 (14)
- \$140 001 - \$150 000 (15)
- \$150 001 - \$160 000 (16)
- \$160 001 - \$170 000 (17)
- \$170 001 - \$180 000 (18)
- \$180 001 - \$190 000 (19)
- \$190 001 - \$200 000 (20)
- \$200 001 - \$210 000 (21)
- \$210 001 - \$220 000 (22)
- \$220 001 - \$230 000 (23)
- \$230 001 - \$240 000 (24)
- \$240 001 - \$250 000 (25)
- More than \$250 000 (26)

Q56 Have you ever gone without heating/power because you felt unable to pay for it?

- Yes (1)
- No (2)

Q57 How many people live in your household?

- 1 (1)
- 2 (2)
- 3 (3)
- 4 (4)
- 5 (5)
- 6 (6)
- 7 (7)
- 8 (8)
- 9 (9)
- 10 (10)
- 11 (11)
- 12 (12)



Answer If How many people live in your household? 2 Is Not Selected And How many people live in your household? 1 Is Not Selected

Q60 About you and your household members

The third member of your household (3)	Gender	Year of birth	Employment status			Highest educational qualification														
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

(Table Truncated to 63 Columns)

Answer If How many people live in your household? 4 Is Selected Or How many people live in your household? 5 Is Selected Or How many people live in your household? 6 Is Selected Or How many people live in your household? 7 Is Selected Or How many people live in your household? 8 Is Selected Or How many people live in your household? 9 Is Selected Or How many people live in your household? 10 Is Selected Or How many people live in your household? 11 Is Selected Or How many people live in your household? 12 Is Selected

Q61 About you and your household members

The fourth member of your household (4)	Gender	Year of birth	Employment status			Highest educational qualification														
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

(Table Truncated to 63 Columns)

Answer If How many people live in your household? 5 Is Selected Or How many people live in your household? 6 Is Selected Or How many people live in your household? 7 Is Selected Or How many people live in your household? 8 Is Selected Or How many people live in your household? 9 Is Selected Or How many people live in your household? 10 Is Selected Or How many people live in your household? 11 Is Selected Or How many people live in your household? 12 Is Selected

Q62 About you and your household members

	Gender	Year of birth	Employment status	Highest educational qualification
The fifth member of your household	F	2000	2	1
	M	2001	2	1
	F	2002	2	1
	F	2003	2	1
	F	2004	2	1
	F	2005	2	1
	F	2006	2	1
	F	2007	2	1
	F	2008	2	1
	F	2009	2	1
	F	2010	2	1
	F	2011	2	1
	F	2012	2	1
	F	2013	2	1
	F	2014	2	1
	F	2015	2	1
	F	2016	2	1
	F	2017	2	1
	F	2018	2	1
	F	2019	2	1
	F	2020	2	1
	F	2021	2	1
	F	2022	2	1
	F	2023	2	1
	F	2024	2	1
	F	2025	2	1





Answer If How many people live in your household? 6 Is Selected Or How many people live in your household? 7 Is Selected Or How many people live in your household? 8 Is Selected Or How many people live in your household? 9 Is Selected Or How many people live in your household? 10 Is Selected Or How many people live in your household? 11 Is Selected Or How many people live in your household? 12 Is Selected

Q63 About you and your household members

	Gender	Year of birth	Employment status	Highest educational qualification
The sixth member of your household	F	2000	2	1
	M	2001	2	1
	F	2002	2	1
	F	2003	2	1
	F	2004	2	1
	F	2005	2	1
	F	2006	2	1
	F	2007	2	1
	F	2008	2	1
	F	2009	2	1
	F	2010	2	1
	F	2011	2	1
	F	2012	2	1
	F	2013	2	1
	F	2014	2	1
	F	2015	2	1
	F	2016	2	1
	F	2017	2	1
	F	2018	2	1
	F	2019	2	1
	F	2020	2	1
	F	2021	2	1
	F	2022	2	1
	F	2023	2	1
	F	2024	2	1
	F	2025	2	1































(8)							
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Q73 The following is a list of possible energy-saving behaviours. Please indicate which behaviours you do always or almost always:

- Turning off appliances at the wall (1)
- Rinsing the dishes with cold water (2)
- Reduce heating in unoccupied rooms (3)
- Switching off lights in unused rooms (4)
- Wait for a full load before using the washing machine (5)
- Put on more clothing before turning up heating (6)
- Keep household heating low to save energy (below 18°C) (7)
- Line drying of laundry (8)
- Taking shorter showers (9)
- Doing dishes by hand (10)
- Pulling curtains at night (11)
- Wash laundry on cold (12)
- Open a few windows and doors at least once a day to air the house (13)
- Clean windows regularly (14)
- Prune trees to keep windows unshaded (15)
- Monitor the temperature in living room(s) (16)
- Cover pots when cooking (17)

Q74 Please indicate which behaviours you intend to do always or almost always in the next 12 months:



Q75 The following is a list of possible energy saving changes that can be done to a house. Please indicate which items are currently in your house

- Double glazing (1)
- Ceiling insulation (2)
- Underfloor insulation (3)
- Wall insulation (4)
- Floor coverings (carpet/rugs) (5)
- Solar hot water panels (6)
- Solar electricity panels (7)
- Micro windfarm (8)
- Water proof membrane between ground and house (9)
- Heat pump (10)
- Heat pump hot water cylinder (11)
- Timers on heaters (12)
- Externally vented drier (13)
- Externally vented cooking rangehood (14)
- Low flow shower head (15)
- Washing line outside (16)
- Energy efficient light bulbs in all main rooms (17)
- Thermally lined/heavy curtains installed (18)
- Wrap installed on hot water cylinder (19)
- Lagging (insulation) on hot water pipes (20)
- Heat transfer system between rooms (21)

Q76 Which of the following energy saving modifications do you intend to undertake in the next 12 months?

Q77 Which of the following energy saving modifications do you intend to undertake in the next 5 years?

Q78 Have you made a change recently to help your household use energy more efficiently? (Within the last year)

- Yes (1)
- No (2)

Answer If Have you made a change recently to help your household use energy more efficiently? (Within the last year) Yes Is Selected

Q79 Who helped you make decisions about the most recent energy-related change to your house? (tick all that apply)

- Family member (1)
- Friend (2)
- Work colleague (3)
- Neighbour (4)
- Another member of the community (5)
- Builder/plumber (6)
- Building inspector (7)
- Television and/or print campaigns (8)
- Internet sources (12)
- No one helped me (10)
- Other (9)

Answer If Who helped you make decisions about the most recent energy-related change to your house? (tick all that apply) Other Is Selected

Q80 Please specify the other who helped you make decisions about your most recent energy-related change to your house

Q81 Do you agree or disagree with the following statements?

	Agree strongly (1)	Agree (2)	Neither agree or disagree (3)	Disagree (4)	Disagree Strongly (5)
I only buy appliances with high energy efficiency ratings even if they cost more (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't think very much about ways of saving energy in my own home (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't pay much attention to what my energy bill is each month (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I find it hard to find information about energy efficiency around the home (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It's difficult to know what information to trust in regards to energy efficiency (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Making choices about energy efficiency in the home is complex (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am confident I can invest the time and	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

effort to make changes towards being energy efficient (7) I know where to find the right information about being energy efficient (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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Q82 Which of the following statements best describes your overall attitude to energy usage

- I would like to reduce my consumption in order to save money (1)
- I would like to reduce my consumption in order to help conserve the environment (2)
- I am happy with my current level of consumption and don't want to change what I do (3)
- I am happy with my current level of consumption, but would like to use it more efficiently (4)
- I would like to increase the amount of energy that I consume (5)

Q83 Which of the remaining statements best describes your overall attitude to energy usage

Q84 Does anyone in your household suffer from an illness that requires use of energy?

- Yes (1)
- No (2)

Answer If Does anyone in your household suffer from an illness that requires use of energy? Yes Is Selected

Q85 Please indicate below what extra health energy use is required for: (tick all that apply)

- Washing (1)
- Heating (2)
- Drying (3)
- Operating health or medical appliances (4)
- Other (5)

Answer If Please indicate below what extra health energy use is required for: (tick all that apply) Other Is Selected

Q86 Please specify the other extra health energy use required.

Q87 Is your workplace concerned about energy consumption?

- A great deal (5) (1)
- 4 (2)
- 3 (3)
- 2 (4)
- Not at all (1) (5)

Q88 Please indicate the degree to which you agree or disagree with all of the following statements:

	Agree Strongly (1)	Agree (2)	Unsure (3)	Disagree (4)	Disagree Strongly (5)
We are approaching the limit of the number of people the Earth can support. (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Humans have the right to modify the natural environment to suit their needs. (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When humans interfere with nature it often produces disastrous consequences. (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Human ingenuity will ensure that we do not make the Earth unlivable. (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Humans are seriously abusing the environment. (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The Earth has plenty of natural resources if we just learn how to develop them. (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Plants and animals have as much right as humans to exist. (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The balance of nature is strong enough	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>







Q89 If the government is going to take a lead in order to improve energy efficiency in NZ households, how do you feel about them using the following measures?

	Agree strongly (1)	Agree (2)	Neither Agree nor Disagree (3)	Disagree (4)	Disagree strongly (5)
Applying energy standards that require minimum levels of energy efficiency on most appliances (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensuring energy information is provided by requiring labels on appliances that indicate typical energy usage (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Providing customised energy advice: free or low-cost information about energy efficiency improvements (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Providing financing at low or no-interest for energy efficiency improvements (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Banning inefficient technologies, such as incandescent light bulbs where more	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

<p>energy effective options exist (5)</p> <p>Granting direct subsidies so that the cost of energy efficient technologies is shared (6)</p>	<p>○</p>	<p>○</p>	<p>○</p>	<p>○</p>	<p>○</p>
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Q90 Please indicate the degree to which you disagree or agree with the following statements.

	Completely Agree (1)	Agree (2)	Neither Disagree or Agree (3)	Disagree (4)	Completely Disagree (5)
Climate change is the result of human activity (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There are too many trucks on the roads (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Roads are for cars first and foremost (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The trucks on New Zealand roads are too large (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
More use should be made of rail for heavy transportation (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
If public transportation was available to me, I would use it (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I often feel unsafe on New Zealand roads (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There is insufficient enforcement of the road rules in New Zealand (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would like to be able to live without using electricity company services (off-grid) (9)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Government	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

<p>should prioritise people moving under their own power (walking and cycling) when making roading decisions (10)</p>					
<p>The railways should not be supported by government (11)</p>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<p>It is not safe for children to walk to school in New Zealand (12)</p>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<p>It is not safe for children to cycle to school in New Zealand (13)</p>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<p>Road users should meet the full costs of their impact on roading (14)</p>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<p>A good public transportation system is an indication of developed nation (15)</p>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<p>I would like to cycle if there were safe routes to travel (16)</p>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<p>We need to change the way we move about our cities and country (17)</p>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Citizens should have a number of choices of safe comfortable transportation (18)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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Q91 Which statement best describes your attitude to electricity supply

- I am happy with electricity from electricity companies (1)
- I would like to supplement my electricity with my own generation (e.g. Photovoltaic, micro wind generation, etc.) while staying attached to the national grid (2)
- I would like to be independent of the national electricity grid and generate all my own power (3)
- Don't know (4)



Q93 Please indicate whether you would be interested in obtaining any of this information about your own electricity use. Please select as many as you like.

- Which appliance is using the most electricity (1)
- Electricity use by appliance (2)
- How much you are spending on electricity at a given time (3)
- Overall electricity use (4)
- Patterns of electricity use over a day, week, month, years (5)
- Electricity use by room (6)
- Information about how much electricity is used on average by people in homes like yours (7)
- None of these (8)
- Other (9)

Q94 How much, if at all, do you think having this kind of information would help you reduce your electricity use?

- A great deal (1)
- A fair amount (2)
- Not very much (3)
- None at all (4)
- Don't know (5)

Q95 The information collected by smart meters would also be available to your electricity supplier. How positively or negatively do you feel about this?

- Very positive (1)
- Fairly positive (2)
- Neither positive nor negative (3)
- Fairly negative (4)
- Very negative (5)
- Don't know (6)





<p>the next morning. The electricity company would then determine the best time to turn the washing machine on, by sending a signal to the appliance (3)</p> <p>Allowing your fridge, or fridge-freezer to be switched off by your electricity company for short periods of time (provided the temperature of the fridge/fridge-freezer remains within a certain specified range (4)</p> <p>Allowing your electricity company to decide when to heat your hot water cylinder while maintaining hot water (5)</p>	○	○	○	○	○	○
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Q97 How positively or negatively do you feel about your electricity company controlling some of your appliances for the purpose of balancing the electricity grid (such as avoiding peaks in electricity demand)?

- Very positive 1 (1)
- 2 (2)
- Neither positive nor negative 3 (3)
- 4 (4)
- Very negative 5 (5)
- Don't know (6)

Q98 The following are NZ Government energy priorities. Which is the most important priority for you?

- Develop renewable energy resources (1)
- Develop petroleum and mineral fuel resources (2)
- Embrace new energy technologies (3)
- Best practice in environmental management for energy projects (4)
- Reduce energy-related greenhouse gas emissions (5)
- Warm, dry, energy efficient homes (6)
- An energy efficient transport system (7)
- Enhance business competitiveness through energy efficiency (8)
- Better consumer information to inform energy choices (9)
- Competitive energy markets (10)
- Reliable electricity supply (11)
- Oil security and transport (12)

Q99 Of the remaining NZ Government energy priorities, which is the most important for you?

Q100 The third most important NZ Government energy priority for you is?

Q101 Please indicate which of the following issues is most important for New Zealand

- Changing the way we produce energy (being less reliant on coal, gas and oil) (1)
- Affordable energy prices (2)
- Energy independence for NZ (i.e. not having to rely on buying energy from other countries) (3)
- Helping to prevent climate change (4)
- Reducing the amount of energy we use as a country (5)
- Avoiding blackouts and fuel shortages (6)
- Using the energy resources available in our country (coal, oil, gas) (7)
- Don't know (8)

Q102 Of the remaining issues which is most important for New Zealand?

Q103 How concerned, if at all, are you that in the next 5-10 years...

	Not at all concerned (1)	Not very concerned (2)	Fairly concerned (3)	Very concerned (4)	Don't know (5)
... electricity and gas will become unaffordable for you? (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... petrol and diesel will become unaffordable for you? (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... there will be frequent power cuts? (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... NZ will become too dependent on energy from other countries? (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... there will be a national petrol and/or diesel shortage? (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q104 Please select which of the following statements best matches your opinion about New Zealand's overall energy use.

- We should allow our energy use to continue to increase (1)
- We should maintain our current levels of energy use (2)
- We should reduce the amount of energy that we use (3)
- Don't know (4)

Q105 To what extent, if any, do you think New Zealand's electricity market is fair?

- Completely fair (1)
- 2 (2)
- 3 (3)
- 4 (4)
- Completely unfair (5)
- Don't know (6)

Q106 How much do you trust your electricity supplier?

- Not at all 1 (1)
- 2 (2)
- 3 (3)
- 4 (4)
- Completely 5 (5)
- Don't know (6)

Q107 To what extent do you agree or disagree that we in New Zealand need to radically change how we produce and use energy by 2050?

- Strongly Agree 1 (1)
- 2 (2)
- Neither Agree nor Disagree 3 (3)
- 4 (4)
- Strongly Disagree 5 (5)
- Don't know (6)

Q108 We might change how we PRODUCE energy (what energy sources we use), and how we USE energy (how much energy we use and for what). Please indicate which best describes your opinion.

- We should focus on how we PRODUCE energy 1 (1)
- 2 (2)
- We should focus on both how we USE and PRODUCE energy 3 (3)
- 4 (4)
- We should focus on how we USE energy 5 (5)
- Don't know (6)

Q109 Which one of these, if any, do you think should be mainly responsible for ensuring that appropriate changes are made to the New Zealand energy system over the next 40 years?

- New Zealand Government (1)
- Energy companies (2)
- Individuals and their families (3)
- Environmental groups (4)
- Local authorities (5)
- None of these (6)
- Don't know (7)

Q110 Do you have a driving licence?

- Learners licence (1)
- Provisional licence (2)
- Full licence (3)
- Motor cycle licence (4)
- No vehicle licence at all (5)

Q111 How often do you...?

	Several times a day (1)	Once a day (2)	Two or three times a week (3)	About once a week (4)	Two or three times a month (5)	Less often (6)	Never (7)
Use a car (whether as a driver or a passenger) (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use public transport (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ride a motorbike (whether as a driver or a passenger) (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cycle (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Walk (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q112 How many motor vehicles, including motor bikes, are owned by, or available to, your household (please use numerals only)?

Q113 How many bicycles are owned by, or available to, your household (please use numerals only)?

Q114 Is public transportation available for your main trips (to work, school, shops) from your home?

	Yes (1)	No (2)	Not applicable (3)
Work (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
School(s) (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shops (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q115 Ideally for trips to work in New Zealand there would be more/less trips by each mode?

	A lot less (1)	Less (2)	The same as now (3)	More (4)	A lot more (5)
Car (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Motor bike (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bicycle (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public transport (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Walking (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q116 Ideally for trips to school in New Zealand there would be more/less trips by each mode?

	A lot less (1)	Less (2)	The same as now (3)	More (4)	A lot more (5)
Car (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Motor bike (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bicycle (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public transport (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Walking (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q117 Ideally for trips to shopping in New Zealand there would be more/less trips by each mode?

	A lot less (1)	Less (2)	The same as now (3)	More (4)	A lot more (5)
Car (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Motor bike (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bicycle (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public Transport (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Walking (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Answer If Do you have a driving licence? No vehicle licence at all Is Not Selected

Q120 Which of these driving behaviours do you do always, or almost always

- Combine errands into one trip rather than several trips. (1)
- Avoid peak hour traffic. (2)
- Use public transport where practical. (3)
- In a manual shift, change through the gears to remain in the most efficient rev zone. OR In an automatic shift, accelerate smoothly and ease back on the accelerator once the car gathers momentum. (4)
- Drive at a good distance from the car in front so you can anticipate and travel with the flow of traffic, avoiding unnecessary acceleration and frequent repetitive braking. (5)
- Stop the engine whenever your car is stopped or held up for an extended period of time. (6)
- Remove roof racks when not in use (7)
- Make sure your tyres are correctly inflated to the manufacturer's recommendations and make sure your wheels are properly aligned. (8)
- Avoid air conditioning use below 80km/h. (9)
- At speeds of over 80 km/h, use of air conditioning instead of an open window. (10)
- Keeping your vehicle properly serviced and well tuned. (11)
- Don't wait to warm up your vehicle (12)
- Don't fill the tank past the first click (13)
- Drive cleaner vehicles with the latest emissions control equipment (14)
- Remove excess weight from your vehicle (for example, sporting equipment or tools in the boot). (15)
- Keep the windows closed to minimise the drag and improve fuel efficiency. (16)
- Keep track of fuel economy (17)
- Minimise trips and kilometres walk, cycle, carpool, use public transport. (18)
- Avoid short trips (19)
- Travel at moderate, steady speeds and avoid high speeds as they result in greater emissions. (20)

Answer If Do you have a driving licence? No vehicle licence at all Is Selected

Q121 Why do you not have a vehicle licence (tick all that apply)?

- No need (1)
- No access to a vehicle (2)
- I haven't got around to it (3)
- It is too expensive (4)
- I am opposed to driving a vehicle (5)
- Medical reasons (6)
- My licence has been taken from me (7)



Q122 How often do you travel within cities?

- Several times a day (1)
- Once a day (2)
- Two or three times a week (3)
- About once a week (4)
- Two or three times a month (5)
- Less often (6)
- Never (7)

Q123 When travelling within cities, how often do you encounter problems that limit your access to activities, goods or services?

- Often (1)
- Sometimes (2)
- Rarely (3)
- Never (4)
- Don't know (5)

Q124 Do you think that the following issues are an important problem or not within cities?

	A very important problem (1)	A fairly important problem (2)	Not a very important problem (3)	Not an important problem at all (4)	Don't know (5)
Road congestion (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Noise pollution (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air pollution (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Accidents (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Travel costs (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q125 In the future, do you think the traffic situation within cities will improve, stay the same or get worse?

- Will improve a lot (1)
- Will improve slightly (2)
- Will stay the same (3)
- Will get slightly worse (4)
- Will get a lot worse (5)
- Don't know (6)

Q126 Which of the following measures could improve travel within cities (select as many as apply)?

- Better public transport (1)
- Reduce the number of parking spaces (2)
- Lower speed limits (3)
- Improved walking facilities (4)
- Improved cycling facilities (5)
- Access restrictions at certain times (6)
- Access restrictions on certain types of vehicles (eg. trucks) (7)
- Charges for road use (e.g. city tolls) (8)
- Lower prices for public transport (9)
- Incentives for carpooling or car sharing (10)
- Other (11)

Q127 What other measures could improve travel within cities?

Q128 How effective do you think each of the following measures would be to improve travel within cities...?

	Very effective (1)	Fairly effective (2)	Not very effective (3)	Not effective at all (4)	Don't know (7)
Restrictions on the use of certain types of vehicles (e.g. trucks) (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Awareness campaigns encouraging people to limit the use of their cars (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Additional charges for the use of specific roads at specific times (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q129 In your opinion, who should be mainly responsible for reducing the traffic in cities?

- New Zealand government (1)
- Regional authorities (2)
- City authorities (3)
- Private companies (4)
- Citizens themselves (5)
- Other (6)

Answer If In your opinion, who should be mainly responsible for reducing the traffic in cities?&nbsp; Other Is Selected

Q130 Please enter the other who is responsible for reducing traffic in cities

Q131 The following questions request your address and the address of major destinations. They will be used to compute the ways you could get to the destinations (if public transportation is available, if there is a cycle route, etc.) and the time and distance associated with each way of getting there. The addresses will not be used in any other analysis and will not be reported in any research reports or publications arising from this research.

Q132 My home address is:

Q133 I work at: `function handleInputChange ( name, value ) { console.log( "The variable " + name + " has changed to " + value +"" )  
Qualtrics.SurveyEngine.setEmbeddedData( "WorkNameSearched", value ); }`

Q134 I do most of my shopping at: `function handleInputChange ( name, value ) { console.log( "The variable " + name + " has changed to " + value +"" )  
Qualtrics.SurveyEngine.setEmbeddedData( name + "NameSearched", value ); }`

Answer If About you and your household members - Gender - Male Is Selected Or About you and your household members - Age - 2012 Is Selected Or About you and your household members - Employment status - Part time employed Is Selected Or About you and your household members - Highest educational qualification - Trade qualified Is Selected Or About you and your household members 5 Is Selected

Q135 Which pre-school or kindergarten does your child or children attend?  
`function handleInputChange ( name, value ) { console.log( "The variable " + name + " has changed to " + value +"" )  
Qualtrics.SurveyEngine.setEmbeddedData( name + "NameSearched", value ); }`

Answer If About you and your household members 5 Is Selected Or About you and your household members 6 Is Selected Or About you and your household members 7 Is Selected Or About you and your household members 8 Is Selected Or About you and your household members 9 Is Selected Or About you and your household members 10 Is Selected Or About you and your household members 11 Is Selected Or About you and your household members 12 Is Selected

Q136 Which primary school does your child or children attend? `function handleInputChange ( name, value ) { console.log( "The variable " + name + " has`

```
changed to "" + value + "" ) Qualtrics.SurveyEngine.setEmbeddedData( name +
"NameSearched", value ); }
```

Answer If About you and your household members 11 Is Selected Or About you and your household members 12 Is Selected Or About you and your household members 13 Is Selected Or About you and your household members 14 Is Selected

```
Q137 Which intermediate school does your child or children attend?    function
handleInputChange ( name, value ) { console.log( "The variable "" + name + "" has
changed to "" + value + "" ) Qualtrics.SurveyEngine.setEmbeddedData( name +
"NameSearched", value ); }
```

Answer If About you and your household members 13 Is Selected Or About you and your household members 14 Is Selected Or About you and your household members 15 Is Selected Or About you and your household members 16 Is Selected Or About you and your household members 17 Is Selected Or About you and your household members 18 Is Selected

```
Q138 Which secondary school does your child or children attend?    function
handleInputChange ( name, value ) { console.log( "The variable "" + name + "" has
changed to "" + value + "" ) Qualtrics.SurveyEngine.setEmbeddedData( name +
"NameSearched", value ); }
```

Q139 How positive or negative do you feel about driving an electric car?

- Very positive (1)
- Fairly positive (2)
- Neither positive or negative (3)
- Fairly negative (4)
- Very negative (5)
- Don't know (6)

Q140 Please indicate how willing you would be, if at all, to drive an electric car in the future.

- Very unwilling (1)
- Unwilling (2)
- Neither willing nor unwilling (3)
- Willing (4)
- Very willing (5)
- Don't know (6)

Q141 ... what if your friends, family and neighbours drove electric cars? How willing would you be, if at all, to drive an electric car in the future if this was the case?

- Very unwilling (1)
- Unwilling (2)
- Neither willing nor unwilling (3)
- Willing (4)
- Very willing (5)
- Don't know (6)

Q142 ... what if the performance of an electric car was the same as a petrol car (e.g. speed, range, availability of charging points)? How willing would you be, if at all, to drive an electric car in the future if this was the case?

- Very unwilling (1)
- Unwilling (2)
- Neither willing nor unwilling (3)
- Willing (4)
- Very willing (5)
- Don't know (6)

Q143 ... what if the cost of buying and running an electric car was significantly less than the cost of a petrol car? How willing would you be, if at all, to drive an electric car in the future if this was the case?

- Very unwilling (1)
- Unwilling (2)
- Neither willing nor unwilling (3)
- Willing (4)
- Very willing (5)
- Don't know (6)

Q144 How positive or negative do you feel about photovoltaic panels on the roof of your dwelling?

- Very positive (1)
- Fairly positive (2)
- Neither positive or negative (3)
- Fairly negative (4)
- Very negative (5)
- Don't know (6)

Q145 Please indicate how willing you would be, if at all, to photovoltaic panels in the future.

- Very unwilling (1)
- Unwilling (2)
- Neither willing nor unwilling (3)
- Willing (4)
- Very willing (5)
- Don't know (6)

Q146 ... what if the cost of buying and running photovoltaic panels was significantly less than the cost of a power from the national grid ? How willing would you be, if at all, to install photovoltaic panels in the future if this was the case?

- Very unwilling (1)
- Unwilling (2)
- Neither willing nor unwilling (3)
- Willing (4)
- Very willing (5)
- Don't know (6)

Q147 Thank you for taking part in this research. Your answers are important to understanding New Zealand's energy use and future.