



ED/EUS/01



Energy Use Survey 2008/2009 for the primary sector

For help and information:

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Are the address details above correct? If not, use the boxes below to correct any errors.

Legal name		0001
Building / Level / Unit		0002
Street / PO Box / Rural Delivery		0003
Suburb		0004
Town / City	Postcode	0005
Attention		0006

Please complete, sign and return this questionnaire in the envelope supplied.

Return date:

Purpose of this survey

The purpose of this survey is to fill gaps in the information held about the use of energy in New Zealand. This information is used by government, business, and private citizens to inform planning and decision making related to energy consumption.

Compulsory requirement

The taking of this survey has been approved by the Minister of Statistics and the return of this questionnaire, duly filled in and signed, is a compulsory requirement under the Statistics Act 1975.

Confidentiality of information supplied

Only people authorised by the Statistics Act 1975 are allowed to see your individual information, and they must use it only for statistical purposes. Your information will be combined with similar information to prepare summary statistics.

As Government Statistician I thank you for completing this survey. Your information contributes to statistics available for business decision-making. To find out how Statistics New Zealand can help your business grow, contact our information centre on 0508 525 525.



Geoff Bascand
Government Statistician

Instructions

1 How to answer

- This form will be scanned and recognised by electronic equipment. Therefore please:
 - mark answers like this
 - print answers in **CAPITAL** letters and
 - keep each letter or number **within** the spaces provided
 - for example **J O N E S L T D** or **1 2 3**
- Please use a blue or black pen.
- Where actual figures are not available, please give careful estimates.
- Where there is no response, leave blank unless instructed to write **0**

2 Only include information for the business named on the front page. Do not provide consolidated data.

Include all share milking activities for the property

Don't include:

- subsidiary or associated businesses
- accounting divisions that operate entirely outside New Zealand
- contractors and sub-contractors

3 Please keep a record of the time it takes you to complete this questionnaire. You are asked to record this at the end of the questionnaire.

Include:

- the time spent reading the instructions, working on the questions, and obtaining information
- the time spent by all employees in collecting and providing this information

4 This survey should be completed by the site manager or similar. You may need to contact the accountant to complete some of these questions.

Abbreviations

5 Abbreviations used in the questionnaire

- **kWh** kilowatt hours
- **MJ** megajoules
- **l** litres
- **t** tonnes
- **kg** kilograms
- **LPG** liquefied petroleum gas



Reference period

6 If possible, in the questions that follow, please provide information for the last financial year.

What is the balance date of the financial accounts which you will use for this questionnaire?

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	0601
	day		month			year		

7 Is the financial year information for a 12-month period?

1 yes → go to **8**

0701

0702

2 no → the period covered is to

0700

day

month

year

to

day

month

year

Please mark a reason why it is not a 12-month period.

0703

1 new business

2 ceased during the year

0704

3 other → please specify:

Purchased electricity

8 Does this business use purchased electricity?

Note: Purchased electricity is electricity purchased from an electricity retailer

1 yes → go to **9**

0800

2 no → go to **12**

9 In the following questions you are asked to estimate the amount of electricity used. If you do not have access to the full accounts for the previous 12-month period, please provide an estimate by adding totals from the invoices for the last three months of the financial year. Take this total and multiply it by four to estimate the annual amount.

10 In the last financial year, please estimate how many kilowatt hours of purchased electricity were used by this business.

Note The quantity in kilowatt hours of purchased electricity can be found on your electricity bill
Include electricity from the household if applicable (for example farmers living on the farm)

Purchased electricity total

<input type="text"/>	,	<input type="text"/>	,	<input type="text"/>	,	<input type="text"/>	,	<input type="text"/>	,	<input type="text"/>		kWh	1001
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11 Of the purchased electricity total in question **10**, what percentage was used for the following?

the business

<input type="text"/>	<input type="text"/>	<input type="text"/>	%	1101
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other (for example household use of farmers living on the farm)

<input type="text"/>	<input type="text"/>	<input type="text"/>	%	1102
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1 0 0 %



Self-generated electricity

12 Does this business use self-generated electricity?

Note Self-generated electricity is any electricity produced by this business

Don't include

- batteries
- electricity produced onboard boats

1 yes → go to **13**

1200

2 no → go to **15**

13 In the last financial year, please estimate how many kilowatt hours of self-generated electricity were used by this business for the following:

on site use , , , , kWh 1301

exported to the local grid , , , , kWh 1302

14 Mark all that apply. What is the source of the self-generated electricity?

- wind (for example turbine) 1401
- hydro 1402
- solar / photo voltaics (PV) 1403
- petrol or diesel (for example generators) 1404
- natural gas 1405



20 Of the diesel total in question 19, what percentage was used for the following?

on-road use (include use on public roads)	<input type="text"/>	%	2001		
mobile off-road use (include mobile machinery off public roads)	<input type="text"/>	%	2002		
stationary off-road use (include pumps, generators, boilers)	<input type="text"/>	%	2003		
marine use (include boats)	<input type="text"/>	%	2004		
	<hr/>				
	1	0	0	%	

21 In the last financial year, please estimate how many litres of fuel oil were used by this business.

Note fuel oil is predominantly used in boilers and boats
Include light fuel oil (LFO) and heavy fuel oil (HFO)
Don't include fuel oil used by contractors and sub-contractors

If any of the following answers are 'zero' please write
0

fuel oil total l 2101

22 Of the fuel oil total in question 21, what percentage was used for the following?

stationary off-road use (include pumps, generators, boilers)	<input type="text"/>	%	2201		
marine use (include boats)	<input type="text"/>	%	2202		
	<hr/>				
	1	0	0	%	

23 In the last financial year, please estimate how many kilograms of LPG were used by this business. If kilograms are not available, please use litres.

Include reticulated LPG
Don't include

- LPG used by contractors and sub-contractors
- LPG cylinder bottles for household use (eg barbecues)

LPG total (kilograms) kg 2301

or

LPG total (litres) l 2302

24 Of the LPG total in question 23, what percentage was used for the following?

on-road use (include use on public roads)	<input type="text"/>	%	2401		
mobile off-road use (include mobile machinery off public roads)	<input type="text"/>	%	2402		
stationary off-road use (include pumps, generators, boilers)	<input type="text"/>	%	2403		
	<hr/>				
	1	0	0	%	



25 In the last financial year, please estimate how many litres of aviation fuel were used by this business.

Don't include aviation fuel used by contractors and sub-contractors

aviation fuel total

2501

Biofuel

26 In the last financial year, has this business purchased or produced biofuel?

Include bulk or blended bioethanol and biodiesel

₁ yes

2600

₂ no

27 In the next two years, does this business intend to use any biofuel?

Include bulk or blended bioethanol and biodiesel

₁ yes

2700

₂ no

SAMPLE



Other fuels

28 Does this business currently use any other fuels?

For example natural gas, coal, wood or any other fuels
Don't include electricity or petroleum products

1 yes → go to **29**

2 no → go to **37**

2800

29 In the last financial year, please estimate how many megajoules of natural gas were used by this business.

Don't include

- electricity or petroleum products
- LPG, this was included in question **23**

If any of the following answers are 'zero' please write
0

natural gas total MJ 2901

30 Of the natural gas total in question **29**, what percentage was used for the following?

industrial boiler % 3001

other % 3002

1 0 0 %

31 In the last financial year, please estimate how many tonnes of coal were used by this business.

coal total t 3101

32 Of the coal total in question **31**, what percentage was used for the following?

industrial boiler % 3201

other % 3202

1 0 0 %

33 In the last financial year, please estimate how much wood and woodwaste was used by this business for energy purposes.

wood and woodwaste total m³ 3301



34 Of the wood and woodwaste total in question **33**, what percentage was used for the following?

industrial boiler	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	%	3401
other	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	%	3402
	<hr/>					
	1	0	0		%	

35 In the last financial year, how much other energy was used by this business?

For example steam purchased from others, geothermal steam
Don't include electricity or petroleum products

Please specify the units used.

type of energy used	<input type="text"/>	3501																		
other energy total	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	3502
units	<input type="text"/>	3503																		

36 Of the other energy total in question **35**, what percentage was used for the following?

industrial boiler	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	%	3601
other	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	%	3602
	<hr/>					
	1	0	0		%	

Energy management

37 Mark all that apply. Which of the following energy saving initiatives does this business use?

- monitoring energy use or cost 3701
- setting targets for the reduction of energy use 3702
- giving information to staff about how energy use can be reduced 3703
- signs or stickers to encourage staff to turn off lights or equipment when safe to do so 3704
- recognition of energy reduction initiatives 3705
- a formal or informal energy policy 3706
- a person assigned the responsibility for energy management in this business 3707
- other, please specify: 3708
- 3709
- or no energy savings initiatives 3710



38 Mark all that apply. In which of the following areas can this business use less electricity?

- electric motor power (for example pumps) 3801
- water heating 3802
- refrigeration 3803
- lighting 3804
- other, please specify: 3805
- 3806
- no further savings possible 3807
- no electricity used 3808

39 Mark all that apply. In which of the following areas can this business use less diesel?

- on-road use 3901
- mobile off-road use (include marine use) 3902
- stationary off-road use 3903
- process heating (for example boilers, space heating) 3904
- other, please specify: 3905
- 3906
- no further savings possible 3907
- or no diesel used 3908



Other details

40 How long did it take you to complete this questionnaire? 4001

Include:

- The time spent reading the instructions, working on questions and obtaining information
- The time spent by all employees in collecting and providing this information

hrs mins

41 Please make any comments that would help Statistics New Zealand interpret the information that you have given. 4100

42 The main results of this survey are expected to be released in July 2009. If you would like a link to the results sent to the email address in question **43**, please mark below. 4200

₁ yes, I would like to be emailed the main results of this survey

43 Who should we contact if we have any queries about the information you have given? If necessary, please correct errors or provide details in the white boxes below each item.

Name



4301

Position



4302

Email



4303

Phone



4304

Fax



4305

Cellphone



4306

I declare that this questionnaire has been completed to the best of my knowledge.

Signature

Date

4307

day month year

Thank you for your time and effort.

Office use: **A B C**

The main results of all our surveys are available at www.stats.govt.nz

03/2009

