Consent Form







Research project on energy use at work

Ethics Approval Number 854

Information about the study

You are invited to take part in a research study to look at peoples' attitudes and beliefs about the use of energy (e.g., electricity) in the workplace. In this study we will ask you to imagine a situation when electricity is used and answer a number of questions about how would you react to it and what your feelings in this situation would be. The whole questionnaire will last approximately 20 minutes.

All the answers you give in this study will be kept anonymous and confidential. Answers will only be used in the course of this study. All data will be stored in compliance with the Data Protection Act.

As an online participant in this research, we are obliged to make you aware that there is always a potential risk of intrusion by outside agents, for example through hacking, and therefore the possibility of being identified.

This study is voluntary and you do not have to take part. We hope that you feel able to help us with this study. If, at any time, you decide that you do not want to take part you are free to stop at any time.

If you have any questions or concerns please don't hesitate to ask now. caroline.leygue@nottingham.ac.uk

We can also be contacted after your participation.

If you have any further concerns or complaints, please contact
Stephen Jackson (Chair of the School of Psychology Ethics Committee at the University of Nottingham)
stephen.jackson@nottingham.ac.uk

For further information, please contact:

Dr Caroline Leygue School of Psychology University of Nottingham Science Road Nottingham NG7 2RD

Email: caroline.leygue@nottingham.ac.uk

PLEASE CLICK ON THE ARROWS >> BELOW TO CONTINUE

Consent Form

Communal Resources Study

Investigators: Caroline Leygue (1,2), Eamonn Ferguson (2), , Alexa Spence (1,2) 1– Horizon Digital Economy Research Institute, 2 – School of Psychology, University Of Nottingham

The participant should complete the whole of this page himself/herself.

Please tick the appropriate boxes:

	Yes	No
Have you read and understood the information about the study provided	0	0
Were you provided with the researcher's email address in order to ask questions	0	0
Have you received enough information about the study	0	0
Do you understand that you are free to withdraw from the study at any time	0	0
Are you over 18	0	0
Do you agree to take part in the study	0	0

Thank you very much for volunteering to participate in our survey.

This survey will ask you a variety of questions about your opinions and behaviours.

There are no right or wrong answers to any of these questions. We are simply interested in <u>vour</u> impressions.

Please answer the questions honestly and accurately so that we can obtain a realistic measure of your impressions. Your responses will be combined with the responses of others, allowing us to determine <u>average</u> perceptions.

We are interested in your spontaneous opinions, so please respond as quickly as you can.

Demographics

What is your age (years):

Before starting, we would appreciate it if you would provide the following background information.

Please tick the appropriate option(s) for your responses.

What is your gender?
Male
Female
Other
Where do you currently live?
East Anglia
Greater London
Midlands
North East
North West
Northern Ireland
Scotland

South East

South West

Wales

Yorkshire and Humberside

What is your highest qualification?

No formal qualifications

GCSE/O-level/Standard Grades

BTEC/A-level/Highers

Vocational/NVQ

Degree or equivalent

Postgraduate qualification

	Other

Please consider the occupation of the **main income earner in your household**. How would you classify it according to the categories below? (Please answer based on the main income earners' most recent occupation if they are retired and/or widowed and receive a private/company pension or if they are in paid employment but have been out of work for less than 6 months.)

A: Higher managerial, administrative or professional

B: Intermediate managerial, administrative or professional

C1: Junior managerial, administrative or professional; office worker, supervisor

C1: Student

C2: Skilled manual worker with industry qualifications (eg carpenter, bricklayer, plumber, bus/tram driver, fitness instructor, etc)

D: Semi or unskilled manual worker without qualifications (traffic warden, checkout operator, dustman, trainee hairdresser, etc)

E: Unemployed

E: Retired (state pension only)

Now let's consider your occupation. What type of hours are you contracted?

Permanent FullTime

Temporary FullTime

Permanent PartTime

Temporary PartTime

Other

How long have you worked for your organisation (years)?
Do you have managerial responsibilities?
Yes
No
How many individuals does your company employ?
1-99
100-499
500-999
1000+
Which sector does your company belong to?
Private sector
Public sector
Voluntary sector (non-profit)
Scenarios
Now we would like you to think about a specific situation. Please read carefully the text below and imagine the following situation. Please try to focus on the details because you will be asked questions about this situation. You can read the text several times if you

Situation:

want.

You just started a new job in a company a few months ago. You are sharing your office with 3 other people and you didn't know them before you started.

There is a new policy and campaign in the company that encourages employees to reduce their energy use, for environmental and financial reasons.

You know that the target electricity use in your office is <u>720 kWh</u> (£80) per month, as this is what management has suggested you keep to and should be used in an office this size.

The office is equipped with an electricity display system which allows you to monitor the use of electricity in the office on a daily basis. Over the past month you made sure that you kept the amount of electricity you personally used to 180 kWh or 1/4 of the total.

At the end of the month you check the meter. The meter shows <u>720 kWh (£80)</u>, which is 180 kWh per person, the amount therefore is as agreed. So it means that the company keeps to their energy target.



Now we would like you to think about a specific situation. Please read carefully the text below and imagine the following situation. Please try to focus on the details because you will be asked questions about this situation. You can read the text several times if you want.

Situation:

You just started a new job in a company a few months ago. You are sharing your office with 3 other people and you didn't know them before you started.

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You know that the target electricity use in your office is <u>720 kWh</u> (£80) per month, as this is what management has suggested you keep to and should be used in an office this size.

The office is equipped with an electricity display system which allows you to monitor the use of electricity in the office on a daily basis. Over the past month you made sure that you kept the

amount of electricity you personally used to 180 kWh or 1/4 of the total.

At the end of the month you check the meter. Despite your efforts, the meter shows almost double what was expected: <u>1260 kWh (£140)</u>, which is 315 kWh per person. You suspect it might be because of one of your colleague's regular use of a humidifier but you don't know for sure.



Now we would like you to think about a specific situation. Please read carefully the text below and imagine the following situation. Please try to focus on the details because you will be asked questions about this situation. You can read the text several times if you want.

Situation:

You just started a new job in a company a few months ago. You are sharing your office with 3 other people and you didn't know them before you started.

There is a new policy and campaign in the company that encourages employees to reduce their energy use, for environmental and financial reasons.

You know that the target electricity use in your office is <u>720 kWh</u> (£80) per month, as this is what management has suggested you keep to and should be used in an office this size.

The office is equipped with an electricity display system which allows you to monitor the use of electricity in the office on a daily basis. Over the past month you made sure that you kept the amount of electricity you personally used to 180 kWh or 1/4 of the total.

At the end of the month you check the meter. Despite your efforts, the meter shows almost double what was expected: 1260 kWh (£140), which is 315 kWh per person. You suspect it might be because of one of your colleague's regular need of a humidifier for health reasons but you don't know for sure.



Now we would like you to think about a specific situation. Please read carefully the text below and imagine the following situation. Please try to focus on the details because you will be asked questions about this situation. You can read the text several times if you want.

Situation:

You just started a new job in a company a few months ago. You are sharing your office with 3 other people and you didn't know them before you started.

There is a new policy and campaign in the company that encourages employees to reduce their energy use, for environmental and financial reasons.

You know that the target electricity use in your office is <u>720 kWh</u> (£80) per month, as this is what management has suggested you keep to and should be used in an office this size.

The office is equipped with an electricity display system which allows monitoring how much electricity is used by each person/desk. Over the past month you made sure that you kept the amount of electricity you used to 180 kWh or 1/4 of the total.

At the end of the month you check the meter. The meter shows that everybody used <u>180 kWh</u>; the amount therefore is as agreed, £80. So it means that the company keeps to their energy target.



Now we would like you to think about a specific situation. Please read carefully the text below and imagine the following situation. Please try to focus on the details because you will be asked questions about this situation. You can read the text several times if you want.

Situation:

You just started a new job in a company a few months ago. You are sharing your office with 3 other people and you didn't know them before you started.

There is a new policy and campaign in the company that encourages employees to reduce their energy use, for environmental and financial reasons.

You know that the target electricity use in your office is <u>720 kWh</u> (£80) per month, as this is what management has suggested you keep to and should be used in an office this size.

The office is equipped with an electricity display system which allows monitoring how much electricity is used by each person/desk. Over the past month you made sure that you kept the amount of electricity you used to 180 kWh or ½ of the total.

At the end of the month you check the meter. The meter shows that three of you used 180 kWh, while your colleague Ashley used <u>720 kWh</u> (four times the amount of electricity than the rest).

This gives a total of <u>1260 kWh</u> (£140) on the meter. You suspect it might be because of Ashley's regular use of a humidifier.



Now we would like you to think about a specific situation. Please read carefully the text below and imagine the following situation. Please try to focus on the details because you will be asked questions about this situation. You can read the text several times if you want.

Situation:

You just started a new job in a company a few months ago. You are sharing your office with 3 other people and you didn't know them before you started.

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The office is equipped with an electricity display system which allows monitoring how much electricity is used by each person/desk. Over the past month you made sure that you kept the amount of electricity you used to 180 kWh or $\frac{1}{4}$ of the total.

At the end of the month you check the meter. The meter shows that three of you used 180 kWh, while your colleague Ashley used <u>720 kWh</u> (four times the amount of electricity than the rest).

This gives a total of <u>1260 kWh</u> (£140) on the meter. You suspect it might be because of Ashley's regular use of a humidifier, needed for health reasons.



Manipulation Check

How many people work in the office (including you)?

2

3

4

5

What is the average electricity usage in your office in pounds?

£80

£100

£120

£140

£160

How much was used in total this month?

8/12/2016 700 kWh 720 kWh 840 kWh 1260 kWh

1280 kWh

Emotions a

Please indicate how you think you would feel <u>in this situation</u> on the scale from 1 (not at all) to 7 (extremely).

	Not at all						Extremely
	1	2	3	4	5	6	7
Fearful	0	0	0	0	0	0	0
Surprised	0	0	0	0	0	0	0
Hopeful	0	0	0	0	0	0	0
Proud	0	0	0	0	0	0	0
Annoyed	0	0	0	0	0	0	0
Irritated	0	0	0	0	0	0	0
Grateful	0	0	0	0	0	0	0
Angry	0	0	0	0	0	0	0
Guilty	0	0	0	0	0	0	0
Ashamed	0	0	0	0	0	0	0
Нарру	0	0	0	0	0	0	0
Disappointed	0	0	0	0	0	0	0

Feelings

Would you try to find out who is using more electricity?

Yes

No

To what extent do you think it is fair that Ashley use a humidifier?

2 3 4 5 6

Not at all

1 Definitely
7

Emotions bc

Please indicate how you think you would feel towards the person who used more electricity than everyone else, if you knew/know who they were/are, on the scale from 1 (not at all) to 7 (extremely).

	Not at all						Extremely
	1	2	3	4	5	6	7
Нарру	0	0	0	0	0	0	0
Ashamed	0	0	0	0	0	0	0
Disappointed	0	0	0	0	0	0	0
Grateful	0	0	0	0	0	0	0
Proud	0	0	0	0	0	0	0
Annoyed	0	0	0	0	0	0	0
Guilty	0	0	0	0	0	0	0
Fearful	0	0	0	0	0	0	0
Angry	0	0	0	0	0	0	0
Surprised	0	0	0	0	0	0	0
Hopeful	0	0	0	0	0	0	0
Irritated	0	0	0	0	0	0	0

Sanctions 1

If you knew/know who used more electricity than everyone else, how would you react?

Sanctions 2

If you knew who used more electricity in the office, are you likely to talk to your other colleagues about them?

Not at all	2	3	4	5	6	Definitely
1						7

2/2016			Qualtrics Survey S	Software		
If you knew who using more elec		electricity in th	ne office, woul	d you tell the r	manager tha	t this person is
Not at all 1	2	3	4	5	6	Definitely 7
If you knew who that this person		•	ne office, woul	d you tell the e	environmenta	al champion
Not at all 1	2	3	4	5	6	Definitely 7
If you knew who to reduce their e			ne office, woul	d you talk to th	nem directly	and ask them
Not at all 1	2	3	4	5	6	Definitely 7
If you knew who (proportional to		•		•	hould pay a	fine
Not at all 1	2	3	4	5	6	Definitely 7
If you knew who to discuss the is		electricity in th	ne office, woul	d you call a m	eeting with y	our colleagues
Not at all 1	2	3	4	5	6	Definitely 7
If you knew who sure they switch					of your collea	igues to make
Not at all 1	2	3	4	5	6	Definitely 7
If you knew who	used more	electricity in th	ne office, woul	d you choose	not to react?	
Not at all 1	2	3	4	5	6	Definitely 7

If you knew who used more electricity in the office, might you investigate how much energy the different appliances in the office use to help understand where the energy was being used?

2 3 5 Definitely Not at all 6 1 7

If you knew who us them (e.g., talk to t		•	•	ld you change	your beh	aviour tov	wards
Not at all 1	2	3	4	5	6	De	efinitely 7
If you knew who us something about it		ricity in the	e office, woul	ld you expect	the mana	ger to do	
Not at all 1	2	3	4	5	6	D€	efinitely 7
If you knew who us champion to do so			e office, woul	ld you expect	the enviro	onmental	
Not at all 1	2	3	4	5	6	De	efinitely 7
Behaviour inter	ntions						
In the following mo	onth, would you	ı:					
Decrease your election Slightly decrease you Do not change you Slightly increase you	our electricity or electricity use	use e (keep at					
Increase your elec-	tricity use by a	substantia	al amount				
How much electric * You used 180 kW				owing month?			
In the following mo	onths, to what e	extent wou	ıld you consi	der adopting t	he followi	ng behav	iours?
	Very unlikely	Quite unlikely		Somewhat likely	Quite likely	Very likely	N/A
Turn off the lights before leaving for the day	0	0	0	0	0	0	0
Turn off communa	ll						

office equipment (e.g., printer, copy

machine, lab equipment) before leaving for the day Turn off your computer before leaving for the day	0	0	0	0	0	0	0
Take part in a campaign about an energy issue	0	0	0	0	0	0	0
Turn off your monitor before leaving for the day	0	0	0	0	0	0	0

Have you ever lived in a house with an energy monitor (i. e. where you could see how much electricity is used)?

Yes

No

Not sure

Do you have experience of sharing an office?

Yes

No

In which of the following ways do you currently pay for your electricity?

Direct Debit

Quarterly payment on receipt of bill (payment on demand)

Pre payment meter (PPM, or card or key meter)

Other

Work

Please now think more about your energy use <u>at work</u>. That is, how you use lighting, heating, your computer, the printer(s), etc. Imagine you decide to try to reduce your energy use <u>at work</u>, what do you think would be the main reasons?

Please state to what extent you think these motivations for saving energy <u>at work</u> are important to you (either now or in the future) on the scales below.

		Not at all important	2	3	4	5	6	Extremely important
	cause I feel pride he organisation	0	0	0	O	0	0	0
org	help my janisation achieve greener" image	0	0	0	0	0	0	0
cor ene the sup	cause I am ncerned with ergy security, i.e. extent to which oplies may run out become unreliable	Ο	0	0	0	0	0	0
cor	cause I am ncerned about nate change	0	0	0	0	0	0	0
ped	cause if other ople don't save ergy at work, I feel ave to	0	0	0	0	0	0	0
	cause I'd feel good out myself	0	0	0	0	O	O	0
me	cause it would let show people that I a good person	0	0	0	0	O	0	0
	cause someone s to do it	0	0	0	0	O	0	0
cor	cause I am nmitted to the npany	0	0	0	0	O	0	0
	cause it would help children in the ure	0	0	0	0	O	0	0
it p	cause I would find ersonally varding	0	0	0	0	0	0	0
ma	cause it would ke my company ve money.	0	0	0	0	O	0	0
oth	cause I can't trust er people to save ergy at work	0	0	0	0	0	0	0
col	cause my leagues would be re friendly towards	Ο	0	0	0	0	0	0
	cause I'd feel oud of myself	0	0	0	0	0	0	0

To help my organisation save money on energy costs	0	0	0	0	0	0	0
Because people I like want me to	0	0	0	0	0	0	0

In the following months, to what extent would you consider adopting the following behaviours AT WORK?

	Very unlikely	Quite unlikely	Somewhat unlikely	Somewhat likely	Quite likely	Very likely	N/A
Turn off your printer before leaving for the day	0	0	0	0	0	0	0
Put on layers of clothes rather than use additional heating	0	0	0	Ο	0	0	0
Take part in a campaign about an energy issue	0	0	0	0	0	0	0
Turn off your monitor before leaving for the day	O	0	0	0	0	0	0
Turn off communal office equipment (e.g., printer, copy machine, lab equipment) before leaving for the day	0	0	0	0	0	0	0
Turn off communal office equipment (e.g., printer, copy machine, lab equipment) after using them	0	0	0	0	0	0	0
Overtly disapprove (e.g. frowning, commenting) of other people wasting electricity	0	0	0	0	0	0	0
Turn off your computer before leaving for the day	0	0	0	0	0	0	0
Turn off your computer/monitor when you are away	0	0	0	0	0	0	0

To what extent are you concerned or not with how people see you at work?

Not at all	2	3	4	5	6	Extremely
concerned						concerned
1						7

To what extent do you prefer or not that people see you focus on your work (rather than on energy use)?

Not prefer at	2	3	4	5	6	Prefer
all						extremely
1						7

Home

Now we would like you to think more about your energy use <u>at home</u>. That is, how you use lighting, heating, kitchen appliances, etc. Imagine you decide to try to reduce your energy use <u>at home</u>, what do you think would be the main reasons?

Please state on the scales below to what extent you think these motivations for saving energy <u>at home</u> are important to you (either now or in the future).

	Not at all important	2	3	4	5	6	Extremely important 7
Because my friends do	0	0	0	0	0	0	0
Because I'd feel good about myself	0	0	0	0	0	0	0
Because if other people don't save energy at home, I feel I have to	0	0	0	0	0	0	0
Because it would let me show people that I am a good person	0	0	0	0	0	0	0
Because I would find it personally rewarding	0	0	0	0	0	0	0
Because it would help my children in the future	0	0	0	0	0	0	0
To save money on energy costs	0	0	0	0	0	0	0

Because I can't trust other people to save energy at work	0	0	0	0	0	0	0
Because it would make my family save money	0	0	0	0	0	0	0
Because people would be more friendly towards me	0	0	0	0	O	0	0
Because I am concerned about climate change	0	0	0	0	Ο	0	0
Because I am concerned with energy security, i.e. the extent to which supplies may run out or become unreliable	0	0	0	0	0	0	0
Because I'd feel proud of myself	0	0	0	0	O	0	0
Because someone has to do it	0	0	0	0	0	0	0

In the following months, to what extent would you consider adopting the following behaviours AT HOME?

	Very unlikely	Quite unlikely	Somewhat unlikely	Somewhat likely	Quite likely	Very likely	N/A
Overtly disapprove (e.g. frowning, commenting) of other people in the house wasting electricity	0	0	0	Ο	0	0	0
At home, put on layers of clothes rather than use additional heating	0	0	0	Ο	0	0	0
Suggest practical changes to save energy at home	0	0	0	0	O	0	0
At home, turn off your computer when not being used	0	0	0	0	0	0	0
At home, turn off your printer when not being used	0	0	0	0	0	0	0
At home, turn off your monitor when not	0	0	0	0	0	0	0

being used							
Turn off the lights before leaving a room	0	0	0	0	0	0	0
Turn off TV or other equipment rather than putting them on stand-by.	0	0	0	0	0	0	0
Remind a family member/housemate to switch something off to save energy	0	0	0	0	0	0	0
Speak to your family/housemates about energy issues	0	0	0	0	0	0	0
Consider energy efficiency or environmental factors when making a new purchase for the home	0	Ο	0	0	0	0	0
Discuss energy saving measures with family/housemates	0	0	0	0	0	0	0
Take part in a campaign about an energy issue	0	0	0	0	0	0	0

Concern

How concerned, if at all, are you about climate change, sometimes referred to as 'global warming'?

Very concerned	Fairly concerned	Not very	Not at all	Don't know
		concerned	concerned	

How concerned, if at all, are you that in the next 10-20 years...

	Not at all concerned	Not very concerned	Fairly concerned	Very concerned	Don't know
the UK will become too dependent on energy from other countries?	0	0	Ο	0	0
electricity and gas will become unaffordable for you?	0	0	0	0	0

...there will be a

/12/2016		Qualtrics Surve	ey Software		
national petrol shortage?	0	0	0	0	0
the UK will have no alternatives in place (e.g. renewables) if fossil fuels (gas, oil) are no longer available?	0	0	0	Ο	0
petrol will become unaffordable for you?	0	0	0	0	0
there will be frequent power cuts?	0	0	0	0	0
Yes No Debrief					
If you have any comme here.	nts about th	ie study or th	e questionna	ire piease en	ter tnem
					,
-tech		OFIZO			



Thank you very much for taking part in this study. Below you can find some information about the study.

About the project

Reducing energy use is a key way in which we can help to reduce carbon emissions in the UK. Communal environments, such as shared offices, consume a large amount of energy. Smart meters will be rolled out to many workplaces. In addition to the smart meters, there may be benefits in implementing communal and individual energy displays and campaigns; however, there are a variety of issues related to how people may respond to information presented on the displays. This project investigates how people respond to different types of communal energy displays.

You can find more information on our project on our website www.energyforchange.ac.uk

For further information about the study please contact:

Dr Caroline Leygue
School of Psychology
University of Nottingham
Science Road
Nottingham
NG7 2RD

Email: Caroline.Leygue@nottingham.ac.uk

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