

Upgrading of homes: A study with Viken County Council and Naturvernforbundet.

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Mandatory fields are marked with an asterisk

Read the written information about the project before filling out the questionnaire.

["written information"](#)

I have read the written information about the project and understand what it means to participate. I confirm that

a.

I agree to participate in the research project.

b.

I agree that the information I provide will be processed until the end of the project [approx. 31 March 2023].

How did you find out about this study?

I read information about the study on energiportalen.no

I read information about the study on energismart.no

I was referred to the study when I called my energy advisor

I was referred to the study as I want to have an inspection

I was referred to the study when I had a site visit

Others

If you learnt about this study from "Others", please specify.



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We'll start with some questions about the energy counselling campaign in Viken.

How did you find out about energismart.no?

energiportalen.no

Climate Østfold

The Norwegian Society for Nature Conservation

Viken County Council

Others

If you learnt about energismart.no from "Other", please specify.

Have you had contact with an energy advisor by phone?

no

Yes

Have you applied for personalised energy advice for your home?

no

Yes

Have you received personalised energy advice for your home?

no

Yes

Have you tried the energy saving tips presented on energismart.no?

no

Yes



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Here are some questions about your property.

What kind of home do you live in?

Detached house / villa

Semi-detached house

Townhouse, chain house or other small house

Apartment block or apartment building

Building for shared accommodation

Other building type

Do you own or rent your home?

Owner, freehold

Owner, co-operative / shareholder

Lyre

What is the year of construction (yyyy) of your home? [Estimate the year if you do not know exactly]

How many square metres (BRA) is your home? [Estimate if you don't know exactly]

Approximately how much electricity (measured in kWh) did your household use last year?



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What heating systems are in the home and how much are they used?

Not found in the home
Available, but rarely or never used
Used occasionally
Usually used
Do not know

Heat pump

Electric oven (wall-mounted)

Electric oven (removable)

Electric underfloor heating

Wood burning stove or fireplace

If you are using a heating system not mentioned in the list above, please specify.

How many of the exterior walls of your home are adjacent to, or shared with, a neighbouring building? [enter 0 if you have a detached single-family home]

Does your property include (parts of) the roof or cold attic?

no

Yes

Does your home have contact with the basement or foundation?

no

Yes



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Then there are some questions relating to COMPREHENSIVE REHABILITATION of housing.

This means major structural investments related to the floor, walls or roof of a home to an extent that involves at least one of the following measures:

- replacement of cladding on at least half of the home's exterior walls
- replacement of roofing or other extensive work on the roof or cold attic
- replacement of at least half of the home's window area
- extensive work on the foundation or floor against the ground or cold basement

Has your dwelling been rehabilitated in accordance with any of the measures mentioned above in the last three years? [That is, the entire rehabilitation has been completed and the dwelling has been put back into regular use during this period].

no

Yes

Are you planning, or are you in the process of, a major refurbishment of your home, which complies with any of the measures mentioned above and which will be completed within the next three years?

no

Yes



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Select the measure(s) that were implemented with this rehabilitation.

This item is only displayed if the option "Yes" is selected in the question "In the last three years, has your dwelling been rehabilitated in accordance with any of the measures mentioned above? [That is, the entire rehabilitation has been completed and the dwelling has been put back into regular use during this period]."

Replacement of cladding on at least half of the home's exterior walls

Replacement of roofing or other extensive work on roofs or cold attics

Replacement of at least half of the home's window area

Extensive work on foundations or floors against the ground or cold basement

Did this renovation also include the installation of new mechanical ventilation (e.g. extractors from bathrooms, kitchens, etc.) in the property?

This element is only displayed if the option "Yes" is selected in the question "In the last three years, has your dwelling been rehabilitated in accordance with any of the measures mentioned above? [That is, the entire rehabilitation has been completed and the dwelling has been put back into regular use during this period]."

no

Yes

Did this renovation also include the installation of a new balanced ventilation system (e.g. separate air ducts for most living areas) in the property?

This item is only displayed if the option "Yes" is selected in the question "In the last three years, has your dwelling been rehabilitated in accordance with any of the measures mentioned above? [That is, the entire rehabilitation has been completed and the dwelling has been put back into regular use during this period]."

no

Yes

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This item is only displayed if the option "Yes" is selected in the question "In the last three years, has your dwelling been rehabilitated in accordance with any of the measures mentioned above? [That is, the entire rehabilitation has been completed and the dwelling has been put back into regular use during this period]."

Did this refurbishment also include any of the following energy saving measures?

no
Yes

Do not know

Additional insulation of roof or cold attic (at least 10 cm additional insulation)

Exterior wall insulation (at least 5 cm additional insulation)

Change to extra energy-saving windows (U-value 1.0 or lower, or 3-layer window)

Additional insulation of foundation wall or floor against ground or cold basement (at least 5 cm additional insulation)

Heat pump installation

Installation of a clean-burning wood or pellet stove

Installation of heat management system

Installation of solar panels

If any other energy saving measures were implemented that are not mentioned in the list above, please specify.

This element is only displayed if the option "Yes" is selected in the question "In the last three years, has your dwelling been rehabilitated in accordance with any of the measures mentioned above? [That is, the entire rehabilitation has been completed and the dwelling has been put back into regular use during this period]."



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Select the measure(s) that you plan to implement with the renovation of your home.

This item is only displayed if the option "Yes" is selected in the question "Are you planning, or are you in the process of, a major renovation of your home that complies with any of the measures mentioned above and will be completed within the next three years?"

Replacement of cladding on at least half of the home's exterior walls

Replacement of roofing or other extensive work on roofs or cold attics

Replacement of at least half of the home's window area

Extensive work on foundations or floors against the ground or cold basement

Select the measure(s) that you are in the process of carrying out (not completed as of today) with the renovation of your home.

This item is only displayed if the option "Yes" is selected in the question "Are you planning, or are you in the process of, a major renovation of your home that complies

with any of the measures mentioned above and will be completed within the next three years?"

Replacement of cladding on at least half of the home's exterior walls

Replacement of roofing or other extensive work on roofs or cold attics

Replacement of at least half of the home's window area

Extensive work on foundations or floors against the ground or cold basement

Does the planned or ongoing renovation also include the installation of new mechanical ventilation (e.g. extractors from bathrooms, kitchens, etc.) in the property?

This item is only displayed if the option "Yes" is selected in the question "Are you planning, or are you in the process of, a major renovation of your home that complies with any of the measures mentioned above and will be completed within the next three years?"

no

Yes

Does the planned or ongoing renovation also include the installation of a new balanced ventilation system (e.g. separate air ducts for most living areas) in the property?

This item is only displayed if the option "Yes" is selected in the question "Are you planning, or are you in the process of, a major renovation of your home that complies with any of the measures mentioned above and will be completed within the next three years?"

no

Yes



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This item is only displayed if the option "Yes" is selected in the question "Are you planning, or are you in the process of, a major renovation of your home that complies

with any of the measures mentioned above and will be completed within the next three years?"

Does this plan or ongoing refurbishment also include any of the following energy saving measures?

no

Yes

Do not know

Additional insulation of roof or cold attic (at least 10 cm additional insulation)

Exterior wall insulation (at least 5 cm additional insulation)

Change to extra energy-saving windows (U-value 1.0 or lower, or 3-layer window)

Additional insulation of foundation wall or floor against ground or cold basement (at least 5 cm additional insulation)

Heat pump installation

Installation of a clean-burning wood or pellet stove

Installation of heat management system

Installation of solar panels

If you are planning or implementing any other energy saving measures not mentioned in the list above, please specify.

This item is only displayed if the option "Yes" is selected in the question "Are you planning, or are you in the process of, a major renovation of your home that complies with any of the measures mentioned above and will be completed within the next three years?"



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What is the reason(s) for not planning to carry out a major renovation of your home?

This item is only displayed if the option "No" is selected in the question "Are you planning, or are you in the process of, a major renovation of your home that complies with any of the measures mentioned above and will be completed within the next three years?"

The property meets today's requirements

The property has recently been refurbished to meet current requirements

Can't afford/money to carry out any major renovation/upgrading of the standard now

Do not own the property yourself

Other reasons

Do not know

If the reason(s) include "Other reasons", please specify.

This item is only displayed if the option "No" is selected in the question "Are you planning, or are you in the process of, a major renovation of your home that complies with any of the measures mentioned above and will be completed within the next three years?"



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How do the following match your plans for your home over the next three years?

Do not vote

-3

-2

-1

Neither or

0

+1

+2

That's right

+3

There are no plans to make any changes to the insulation in the home over the next three years. It is clear that something needs to be done about the insulation and efforts will be made to find out more about what can be done over the next three years.

It has been clarified that the home needs to be retrofitted and how this should be done. All that remains is to plan the implementation, and this will be done over the next three years.

There are concrete plans to retrofit the home with insulation and the work will be carried out over the next three years.

We have a few additional questions about retrofitting insulation and would appreciate it if you could answer them as well. Are you able to answer these questions?

no

Yes



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Mandatory fields are marked with an asterisk

This element is only displayed if the option "Yes" is selected in the question "We have some additional questions about retrofitting and would appreciate it if you could answer them as well. Are you able to answer these questions?"

In general, do you think that an improved standard of insulation in your home would be...

This element is only displayed if the option "Yes" is selected in the question "We have some additional questions about retrofitting and would appreciate it if you could answer them as well. Are you able to answer these questions?"

Useless
-3
-2
-1
Neither or
0
+1
+2
Useful
+3

a.

This element is only displayed if the option "Yes" is selected in the question "We have some additional questions about retrofitting and would appreciate it if you could answer them as well. Are you able to answer these questions?"

Uncomfortable
-3
-2
-1
Neither or
0
+1
+2
Comfortable
+3

b.

This element is only displayed if the option "Yes" is selected in the question "We have some additional questions about retrofitting and would appreciate it if you could answer them as well. Are you able to answer these questions?"

Harmful
-3
-2
-1
Neither or
0
+1
+2
Advantageous
+3

c.

This element is only displayed if the option "Yes" is selected in the question "We have some additional questions about retrofitting and would appreciate it if you could answer them as well. Are you able to answer these questions?"

Poor
-3
-2
-1
Neither or
0
+1
+2
Good
+3

d.

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This element is only displayed if the option "Yes" is selected in the question "We have some additional questions about retrofitting and would appreciate it if you could answer them as well. Are you able to answer these questions?"

How much do these affect how you feel about retrofitting your home?

Very little
-3

-2
-1
Neither or
0
+1
+2
Very large
+3

My family
Friends and acquaintances
ENOVA
Energy portals
Media
Construction companies
Consumer organisations

Does anyone else influence your opinion on retrofitting? If so, who?

This element is only displayed if the option "Yes" is selected in the question "We have some additional questions about retrofitting and would appreciate it if you could answer them as well. Are you able to answer these questions?"

Approximately what percentage of people you know have retrofitted their home in the last 5 years?

This element is only displayed if the option "Yes" is selected in the question "We have some additional questions about retrofitting and would appreciate it if you could answer them as well. Are you able to answer these questions?"

Approximately what percentage of your neighbours have insulated their homes in the last 5 years?

This element is only displayed if the option "Yes" is selected in the question "We have some additional questions about retrofitting and would appreciate it if you could answer them as well. Are you able to answer these questions?"



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This element is only displayed if the option "Yes" is selected in the question "We have some additional questions about retrofitting and would appreciate it if you could answer them as well. Are you able to answer these questions?"

How much do you agree or disagree with the following statements?

Strongly disagree
-3
-2
-1
Neither or
0
+1
+2
Strongly agree
+3

Retrofitting your home with insulation significantly reduces my energy costs.
I'm planning to move, so it's pointless for me to insulate my current home.
People who influence my decisions think I should insulate my home.
Retrofitting insulation increases the market value of my home.
I can't decide what to do first when it comes to retrofitting insulation.
I know which person or company I need to contact to have my home professionally re-insulated.
Investing in retrofit insulation is profitable and will pay for itself within a reasonable time.
Because of my values/principles, I feel obliged to insulate my home.
It's not yet the right time to retrofit my home with insulation.
Retrofitting insulation has positive health effects.

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This element is only displayed if the option "Yes" is selected in the question "We have some additional questions about retrofitting and would appreciate it if you could answer them as well. Are you able to answer these questions?"

How much do you agree or disagree with the following statements?

Strongly disagree
-3
-2
-1
Neither or
0
+1
+2
Strongly agree
+3

I feel personally obliged to insulate my home.
The standard of my current home insulation is a waste of energy.
Protective regulations prevent me from carrying out post-insulation.
I don't have available financial resources (savings or loans) to invest in retrofit insulation.

Retrofitting insulation makes my home generally better to live in.
Retrofitting insulation improves comfort.
The construction companies that could potentially carry out a retrofit are inexperienced and/or lack the necessary knowledge.
I'm dependent on the agreement of my neighbours if I want to insulate my home.
I know what I need to do to insulate my home.
It's hard to know if I can trust the information I find about retrofit insulation.

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This element is only displayed if the option "Yes" is selected in the question "We have some additional questions about retrofitting and would appreciate it if you could answer them as well. Are you able to answer these questions?"

How much do you agree or disagree with the following statements?

Strongly disagree

-3

-2

-1

Neither or

0

+1

+2

Strongly agree

+3

A retrofit insulation project creates a lot of disruption and practical disorder in daily life.
It is difficult to find relevant information about retrofit insulation.
People who are important to me think I should insulate my home.
Poor insulation standards in homes are a problem in terms of climate change.
Re-insulating your home requires a lot of time to follow up with the tradesmen.
I can quickly and easily find information about practical things related to home insulation.
I trust the information about retrofitting that I get from the authorities.
There are public support schemes for retrofitting homes with insulation.
I don't own the property, so I don't want to invest in retrofit insulation.
I have negative experiences from previous retrofitting.

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Background information

Your gender

woman

man

other

do not wish to answer

Your age

Your postcode

What is your highest completed education?

Primary school

Higher education specialisation

Upper secondary vocational

Vocational education after upper secondary school or vocational school

University/university college education, up to 4 years

University/university college education, more than 4 years

What is the household's total gross income (before tax and deductions) per year?

Less than DKK 200,000

200,000 - 399,999 kroner

400,000 - 599,999 kroner

600,000 - 799,999 kroner

800,000 - 999,999 kroner

1,000,000 - 1,199,999 kroner

1,200,000 - 1,399,999 kroner

NOK 1,400,000 or more

Do not wish to answer

Mandatory fields are marked with an asterisk

Finally, we would like to ask a few questions.

Can we get in touch with you again for a short follow-up survey asking you about actions you have taken during the year?

no

Yes

Would you be interested in a personal interview about home renovation and energy upgrades?

This element only appears if the option "No" is selected in the question "Can we contact you again for a short follow-up survey asking you about actions you have taken during the year?"

no

Yes

Would you be interested in a personal interview about home renovation and energy upgrades?

This element is only displayed if the option "Yes" is selected in the question "Can we contact you again for a short follow-up survey asking you about actions you have taken during the year?"

no

Yes

Please provide your email address if you can attend.

This item is only displayed if the option "Yes" is selected in the question "Would you be willing to participate in a personal interview about home renovation and energy upgrades?"

The email address will be separated from your other responses as soon as possible and deleted after the study has ended.

Please provide your email address if you can attend.

This item is only displayed if the option "No" is selected in the question "Would you be willing to participate in a personal interview about home renovation and energy upgrades?"

The email address will be separated from your other responses as soon as possible and deleted after the study has ended.

Please provide your email address if you can attend.

This item is only displayed if the option "Yes" is selected in the question "Would you be willing to participate in a personal interview about home renovation and energy upgrades?"

The email address will be separated from your other responses as soon as possible and deleted after the study has ended.



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Thank you for taking the time to answer our questions.