

July 2026

Request for Information (RFI)

by: Energy Efficiency

and Conservation Authority (EECA)

for: RFI for underutilised energy technologies

RFI released:

Tuesday 14 July 2026

Deadline for Responses:

Monday 14 September 2026, 5pm

Energy Efficiency and Conservation Authority (EECA)

eeca.govt.nz

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New Zealand

SECTION 1: Purpose and information sought

1.1 Purpose of this RFI

This RFI is issued by the Energy Efficiency and Conservation Authority (EECA), referred to below as “EECA” or “we” or “us”.

This Request for Information (RFI) seeks market information on the deployment potential of underutilised efficient process heating and renewable energy technologies for commercial and industrial businesses.

We would like to hear from respondents with information about applicable technologies and solutions that are technically feasible but may be underutilised in New Zealand. This may include relevant insights and information from feasibility studies or other development work that they may have carried out.

The information provided will help EECA build a view of current market thinking, opportunities and developing technologies, and their potential to help support New Zealand businesses to improve their energy efficiency and have access to reliable and affordable process heat.

This RFI is intended to inform EECA about underutilised efficient process heating and renewable energy technologies, processes or approaches and their deployment potential, to inform EECA’s thinking and potential future programme design.

This is not a procurement or opportunity to request co-investment from EECA.

1.2 Background

The energy sector is transforming rapidly, driven by technological advancements and increasing deployment of renewable energy. EECA is specifically interested in the opportunities for commercial and industrial sector organisations to adopt new technologies and processes in the areas of efficient process heat, geothermal, biogas and biomass.

The information collected through this RFI will support EECA to deliver up to date information on approaches and technologies for New Zealand businesses and inform thinking on potential market interventions to accelerate the uptake of underutilised efficient process heating and renewable energy technologies.

1.3 What we want: focus areas

This RFI seeks information to help assess the deployment potential of underutilised efficient process heating and efficient renewable energy technologies across four focus areas, and which could potentially supply commercial and industrial businesses with reliable affordable process heat, reduce their energy costs or enable businesses to transition energy sources.

The four focus areas are below, with some examples that EECA is aware of:

- 1) High-efficiency electrical heating technologies (noting exclusions below) for industrial and commercial applications, for example electric air heating for powder dryers, mechanical vapour recompression (MVR) for evaporation or distillation, microwave and radio-frequency heating, infrared heating and induction heating.
- 2) Advanced demand-side wood energy technologies. This includes technologies such as pulverised, or powdered, biomass burners for direct flame applications or for retrofitting into existing gas fired water tube boilers, wood gasification for on-site combustion, CO₂ capture technologies from biomass fuel sources for horticultural enrichment, and other advanced biomass systems.
- 3) Indirect uses of low temperature geothermal energy. This includes the upgrading of ambient or low temperature geothermal (under 100 degrees) resources with ground source heat pumps for industrial and commercial applications.
- 4) Biogas technologies for direct use on site. This includes technologies and processes to enable a site to utilise its own organic waste streams for energy production.

Respondents can also submit information about other renewable technologies for use by commercial or industrial businesses that they think would be particularly relevant to achieving the desired outcomes and which are currently underutilised, have good replication potential, are technically feasible.

EECA would welcome information from:

- Site owners or energy end users that may be considering using the technology
- Equipment suppliers or distributors of relevant technologies or equipment
- Project developers and consultants working with commercial and industrial energy users in New Zealand.

We are seeking information on technologies relevant to the focus areas including the scale of the deployment potential, any capital and operating cost information that may be available, and any dependencies or barriers to deployment. This can include information on specific potential projects or partially developed projects (which will be treated in-confidence by EECA, refer to Section 4 RFI Terms).

1.4 Information sought

We are most interested in information about technologies that are commercially proven internationally but have no, or limited, deployment in New Zealand. EECA is interested in information about real project opportunities at specific sites, while more general information about opportunities is also welcomed.

For the specified technology focus areas (and more widely if relevant to the desired outcomes), respondents are also encouraged to note ideas, project types and technologies that they believe may present a technically feasible solution which may not yet be commercially viable in the New Zealand market.

Technology description and application area

Descriptions of the underutilised technologies and their potential application areas (i.e. sector or process).

Key technical characteristics

Descriptions of the underutilised technologies' key technical characteristics, such as their:

- Range of key outputs i.e. heating power or throughput, supply temperatures and any other key relevant metric
- Energy efficiency or other relevant performance measures
- Potential productivity, emissions or other co-benefits
- Indicative time needed to deploy the technologies
- Estimated range of expected capital costs
- Fuel or other input requirements
- Current availability or deployment in New Zealand and elsewhere (and applicability to New Zealand conditions)
- Advantages and disadvantages as compared with other available solutions (if known).

Deployment potential

If known, descriptions of the underutilised technologies' deployment potential, such as the number of relevant sites that could be installed in New Zealand or amount of energy the technologies could supply.

Commercial and technology readiness

- Description of the technology's technology readiness level (TRL)
- Description of the technology's commercial readiness level (CRL).
- Evidence of commercial deployment internationally.
- Factors affecting commercial viability in New Zealand.
- Information about their deployment or demonstration internationally and their availability for deployment in New Zealand.
- Descriptions of the technology's current deployment in New Zealand if, for example, it is used in a sector or process but underutilised in others.
- Descriptions of potential commercial metrics such as ROI, IRR, simple payback or any other relevant financial metrics.

Barriers to uptake

Descriptions of any barriers that are preventing uptake in New Zealand.

Specific examples

Specific examples of potential or planned New Zealand examples (including project investigations).

We are not looking for information about:

- Mature technologies that are already seeing widespread uptake. This includes biomass boilers, direct use of geothermal energy, heat pumps or electric boilers.
- Early-stage technologies still in the research and development (R&D) stage.
- Projects for biogas not for on-site use, such as upgrading and pipeline injection.
- Projects utilising geothermal for electricity generation.
- Unrelated technology areas such as solar and battery technology.
- Any form of energy generation such as geothermal or solar panel technologies.

1.5 What we don't want

We do not want:

- proposals for project co-funding: this RFI is a request for information only
- formal quotes
- pricing commitments
- information that would typically be exchanged during procurement or partnership development processes.

1.6 Why should you respond?

By responding to this RFI, respondents can help deliver information on developing technologies that have the potential to support New Zealand businesses to transform their industrial and commercial operations and make informed decisions about potential use and suitability.

This is an opportunity to inform EECA of your ideas and increase visibility of the opportunities you see coming, to feed into development of potential future EECA initiatives, which will contribute to supporting New Zealand's energy resilience and access to affordable energy.

1.7 A bit about us

EECA is New Zealand's lead agency and trusted expert on energy use, with a focus on driving energy efficiency improvements and scaling proven renewable and innovative energy solutions to deliver value across the energy system.

We identify barriers to the uptake of emerging efficient technologies and practices, smart flexible systems, and future fuel integration. By addressing these barriers - including low awareness, affordability, and market coordination issues – we can help New Zealand businesses to be clean and clever energy users.

We partner with other government agencies, local councils, community organisations, iwi, and the private sector to drive practical change. To make it easier for people and organisations to take action our work includes providing advice, support, tools, and information to support energy efficiency and energy affordability projects,

We engage with businesses across New Zealand. through dedicated regional engagement complemented by targeted direct engagement. This approach enables tailored support and relationship-building at a local level to help Businesses identify and implement energy efficiency. EECA also maintains strong links with industry bodies and sector organisations which enables coordinated action, knowledge sharing, and strategic alignment across priority sectors. We help shape policy and regulatory settings, deliver public awareness campaigns, and support the uptake of innovative technologies that increase energy efficiency. We focus our efforts where the biggest impact can be made, especially in sectors like process heat, transport and industry.

SECTION 2: Key Information

2.1 Context

- a. This Request for Information (RFI) seeks market information on the deployment potential of underutilised efficient process heating and renewable energy technologies for commercial and industrial businesses.
- b. We would like to hear from respondents with information about applicable technologies and solutions that are technically feasible, but which are currently underutilised in New Zealand.
- c. The RFI is open for two months, but EECA would appreciate earlier responses.

2.2 Our timeline

Our timeline for this RFI (New Zealand times and dates):

RFI release date	Tuesday 14 July 2026
Deadline for Responses	Monday 14 September 2026, 5pm

2.3 How to contact us

If you have any questions, you can contact us by emailing:

applications@eeca.govt.nz

Include 'RFI for underutilised energy technologies' in the subject line.

2.4 Developing and submitting your information

- a. This is not a tender process.
- b. Take time to read and understand the RFI. In particular, understand the key outcomes we are seeking from the RFI. These are in Section 3 of this document.
- c. Please contact us if you have any questions (see 2.3 above).
- d. Submit your Response before the Deadline for Responses using the Response Form provided.

2.5 Address for submitting your Response

Submit your Response by completing the response form on the EECA website.

We will not accept Responses sent by post or delivered to our office.

2.6 Our RFI Terms

The RFI is subject to the RFI Terms in Section 4 below.

2.7 Later changes to the RFI or RFI process

- a. After publishing the RFI, if we need to change anything or provide additional information we will place a notice on the Government Electronic Tenders Service website (GETS) at www.gets.govt.nz.
- b. If you downloaded the RFI from GETS you will automatically receive notifications of any changes through GETS.

SECTION 3: Key outcomes sought

This RFI relates to the collection of information about the deployment potential of underutilised efficient process heating and renewable energy technologies for commercial and industrial businesses.

The outcomes EECA seeks to achieve through this RFI are:

#1	Identifying underutilised efficient process heating and renewable energy technologies EECA seeks an understanding of efficient process heating and renewable energy technologies may presently be underutilised by New Zealand commercial and industrial businesses.
#2	Technical potential of underutilised efficient process heating and renewable energy technologies EECA seeks an understanding of the technical potential of underutilised efficient process heating and renewable energy technologies so that their relevance in supplying reliable affordable process heat to, or increasing the renewable energy of, New Zealand commercial and industrial businesses can be assessed.
#3	Commercial potential of underutilised efficient process heating and renewable energy technologies EECA seeks an understanding of the commercial potential of underutilised efficient process heating and renewable energy technologies to supply reliable affordable process heat to, or increase the renewable energy of, New Zealand commercial and industrial businesses assessed
#4	Deployment potential of underutilised efficient process heating and renewable energy technologies EECA seeks an understanding of the deployment potential of underutilised efficient process heating and renewable energy technologies to supply reliable affordable process heat to, or increase the renewable energy of, New Zealand commercial and industrial businesses.
#5	Barriers to uptake EECA seeks an understanding of the potential barriers that might be hindering the uptake of underutilised efficient process heating and renewable energy technologies so that these barriers can be considered along with potential options that might address them.

SECTION 4: RFI Rules to apply

1. EECA may extend the close date for responses at its discretion.
2. The Respondent is responsible for all costs associated with preparing and submitting its Response.
3. This RFI does not create any contractual relationship between EECA and any Respondent in any respect.
4. While EECA has used reasonable efforts in compiling this RFI, it will not be liable to Respondents or any third party for any inaccuracy or omission in the RFI, or any additional information EECA may provide in the RFI process.
5. EECA reserves the right to cancel, amend, or withdraw all, or part, of this RFI at any stage.
6. No previous assurances or representations made by EECA generally, or to any Respondent, will be acknowledged by EECA.
7. Confidential and commercially sensitive information:
 - a. Respondents may include confidential or commercially sensitive information in their Response where it is necessary to explain the information requested by this RFI.
 - b. Any information that is confidential or commercially sensitive must be clearly identified and marked "Confidential" or "Commercially Sensitive" by the Respondent, together with a brief explanation of why the information is confidential.
 - c. EECA will use reasonable efforts to protect information identified as confidential or commercially sensitive and will not disclose it except:
 - i. where required by law, including under the Official Information Act 1982;
 - ii. with the Respondent's consent; or
 - iii. where disclosure is otherwise permitted by law.
 - d. Respondents should be aware that information supplied to EECA may be subject to requests under the Official Information Act 1982. Where EECA receives such a request, it will consider any obligation to consult with the Respondent before deciding whether the information should be released.
 - e. Respondents should only provide confidential information where it is necessary for EECA to understand the information being submitted.
8. EECA may publish all, some or none of the information submitted as part of a report or summary paper, subject to point 7 above.
9. All Responses become the property of EECA and will not be returned to the Respondent, except as required by law.