

GUIDANCE FOR ENERGY IMPROVEMENT ON VESSELS

1. Introduction

Funding in this area will support sustainability within the sector and contribute towards achieving decarbonisation by 2050.

Funding can be applied for under the following measures:

M2 Improving energy efficiency of fishing and mitigating climate change

Details of eligible projects and monitoring requirements for each measure can be found in Section 2, Projects you can apply for.

Please note this information is for guidance only and is not exhaustive or binding. If you are unsure whether an item is eligible, please check the General Guidance and if you are still unsure contact the MMO.

When applying for funding onboard vessels you must engage with the Maritime & Coastguard Agency (MCA). Details of local surveyors and offices can be found in the following link <https://www.gov.uk/government/organisations/maritime-and-coastguard-agency>

MCA must be included in the process as work is undertaken, particularly where there may be an impact on stability.

The Grants team will send details of submitted applications to MCA as soon as they are received for review. MMO Grants Team will also contact MCA at the claims stage to ensure that the applicant has made MCA aware of all the work that has been undertaken and no funds will be paid out unless this confirmation has been received.

All work undertaken by the owner/skipper of the vessel must meet MCA safety/stability requirements, whether funded by FaSS or otherwise. Responsibility for any work undertaken which renders a vessel unstable or unsafe remains entirely with the owner/skipper of the vessel.

2. Projects you can apply for

M2 Improving energy efficiency of fishing and mitigating climate change

Projects can include:

- Investments in equipment aimed at reducing the emission of pollutants or greenhouse gases and increasing the energy efficiency of fishing vessels, including:
 - Changes from towed gear to alternative gear;
 - Towed gear modifications;
 - Investments in towed gear monitoring equipment;
 - Investments to improve the refrigeration, freezing, or insulation systems for vessels u18m.
- Studies to assess the contribution of alternative propulsion systems and hull designs to the energy efficiency of fishing vessels;
- Energy efficiency audits and schemes;
- Projects that are aimed at improving the hydrodynamics of the hulls of vessels, for example:
 - Investments in stability mechanisms such as bilge keels and bulbous bows that contribute to improved hydrodynamics;
 - Costs related to the use of non-toxic antifouling such as copper coating in order to reduce friction;
 - Tank testing in order to provide a basis for improving hydrodynamics;
 - Energy efficient propellers including drive shafts.
- Projects that are aimed at improving the propulsion system of the vessel, costs related to the purchase and, if necessary, the installation of the following items:
 - Catalysers;
 - Energy efficient generators such as those using hydrogen or natural gas;
 - Bow thrusters;
 - Conversion of engines to run on biofuels;
 - Econometers, fuel management systems and monitoring systems.
- Investments that are aimed at the reduction of electricity or thermal energy consumption:
 - Investments to encourage the re-cycling of heat within the vessel involving the heat being recovered and re-used for other auxiliary purposes within the vessel.

Projects excluded from funding

Funding will not be provided for:

- Engine replacements including auxiliary engines, engine refits, overhauls and substantial renovations;
- Costs relating to basic hull maintenance;
- Investments that increase a vessel's capacity or ability to catch fish;
- The replacement of engines to run on biofuel.

Result indicators

FaSS result indicators have been designed to measure the benefits delivered by a project. Result indicators are specific to the type of project you are applying for. For projects under M2, Improving energy efficiency of fishing and mitigating climate change, the following indicators are applicable:

M2 Improving energy efficiency of fishing and mitigating climate change	
Indicator	Information you must provide
Change in net profits	<p>In your application please provide:</p> <ul style="list-style-type: none"> • Current profit (£) • Expected profit (£) after the project • Company accounts for the last 3 years. <p><i>The expected and actual change in net profit will be used to determine the project's success.</i></p>

Not all FaSS result indicators will be applicable to your project. As part of the assessment of your project the most suitable indicator or indicators will be identified and used to form some of the targets and benefits of your project.

As part of ongoing project monitoring you will be required to provide further information on the progress you have made towards the expected benefits of your project. Once the project is complete you will be required to provide evidence as part of post project monitoring to show the actual benefits achieved by your project.

Evaluation indicators

FaSS evaluation indicators have been designed to measure the wider benefits delivered by the FaSS programme. Evaluation indicators are specific to the type of project you are applying for but will not be used to assess the eligibility of your project. For projects under M2, Improving energy efficiency of fishing and mitigating climate change, the following indicators are applicable:

M2, Improving energy efficiency of fishing and mitigating climate change	
Indicator	Information you must provide
<p>The reduction of CO₂/tonne of product or CO₂/KWH or FQA allocation.</p> <p>Change in annual energy/fuel consumption (litres/kWh).</p> <p>Reductions in Emissions for five key air pollutants; PM_{2.5}, SO₂, NO₂, NH₃, NMVOC.</p>	<p>In your application please provide:</p> <ul style="list-style-type: none"> The average fuel consumption on your vessel per month (in litres) before the project. The expected average fuel consumption on your vessel per month (in litres), after the project. <p><i>The expected and actual change in fuel consumption will be used to inform the evaluation of the FaSS.</i></p>
<p>Reductions in emissions/ particulates per litre of fuel/tonne of catch</p>	<p>In your application please provide:</p> <ul style="list-style-type: none"> The average fuel consumption on your vessel per month (in litres) before the project. The expected average fuel consumption on your vessel per month (in litres), after the project. Annual tonnes of catch before the project. Expected annual tonnes of catch after the project <p><i>The expected and actual change in fuel consumption per tonne of catch, will be used to inform the evaluation of the FaSS.</i></p>

Not all FaSS evaluation indicators will be applicable to your project. For those which are relevant to your project you must provide the information listed above.

3. Funding available

The minimum and maximum funding available for M2, Improving energy efficiency of fishing and mitigating climate change, are outlined below:

Limits of Funding Available in FaSS Measures		
FaSS Measure	Minimum Grant Value Available (£)	Maximum Grant Value Available (£)
M2 Improving energy efficiency of fishing and mitigating climate change	1,000	65,000

4. Funding required by you

It is your responsibility to source and provide match funding, such as business loans or cash resources. You must state the source of funding when applying. Before committing any private resources, we recommend you seek independent financial advice.

The amount of money you can apply for will depend on your business or organisation type. There are maximum allocations allowed for each applicant are outlined below:

Funding Rates for Eligible Applicants in FaSS				
Applicant Type	Funding Rates as Percentages of Eligible Costs			
	FaSS %	Other national funding %	Total public money %	Private %
Public	75	25	100	0
Private (SME)	50	0	50	50
Private (Non-SME)	30	0	30	70
Private (SSCF)	80	0	80	20
Private (Fishermen's associations)	75	0	75	25
Private (POs)	75	0	75	25

Grant Rates Key; SSCF - Small scale coastal fishing – vessels under 12m and not using towed gear; PO - Producer Organisation; SME - Micro, small and medium enterprises; Other national funding – funding from other public funds – see General Guidance note for further advice.