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SECTION 1 – THE GREEN HOMES GRANT

What is the Green Homes Grant?

Homeowners and landlords in England can apply for a voucher towards the cost of installing energy efficient and low-carbon heating improvements to homes, which could help save up to £600 a year on energy bills.

The government will provide a voucher that covers up to two thirds of the cost of qualifying improvements to your home. The maximum value of the voucher is £5,000. You may be able to receive a higher level of subsidy if you are a homeowner and either you or a member of your household receives one of the qualifying benefits, covering 100% of the cost of the improvements. The maximum value of these vouchers is £10,000. **Landlords cannot apply for the low-income part of the scheme.**

Further information regarding the scheme and or eligibility can be found on the [Simple Energy Advice website](#).

Primary Measures and Secondary Measures:

The available measures are split into “primary” and “secondary” categories. Households will need to install at least one of the primary measures below to qualify for funding. The subsidy for the secondary measure is capped at the value of the subsidy provided for the primary measures. For example, if you receive £400 for a primary measure such as a cavity wall insulation, you will be able to receive a maximum of £400 for a secondary measure such as an energy efficient replacement door.

Vouchers must be used to install at least one primary home insulation or low carbon heating measure.

The primary and secondary measures Marshall and McCourt can assist with are set out below:

<u>Primary Measures - Low carbon heat (where the home is suitably insulated):</u>	<u>Secondary Measures - Heating controls and insulation:</u>
Air Source Heat Pump (ASHP)	Hot Water Tank Thermostat
Ground Source Heat Pump (GSHP)	Hot Water Tank Insulation
Solar Thermal	Heating Controls
Biomass Pellet Boiler	

Application:

You can apply for a voucher from the end of September 2020. Before you apply, you can use the [Simple Energy Advice \(SEA\) tool](#) to check the following:

- Check if you're eligible for a voucher
- Check what improvements may be suitable for your property
- Choose which improvements you would like and see an estimate of how much they may cost

More information on how to apply for a voucher will be made available in due course.

New-build properties that have not previously been occupied are not eligible for the scheme.



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KEY FACTS:

- You cannot use the voucher to help pay for works that were carried out prior to the voucher being issued.
- You cannot use the voucher to replace insulation or low carbon heating measures that are already installed in your home. However, you can use the voucher to 'top up' existing measures (for example, installing additional loft insulation up to the recommended level).
- You must ensure the work is scheduled and the voucher redeemed by **31st March 2021**.
- Your GHG Voucher can be used in conjunction with the Renewable Heat Incentive (RHI), where applicable, for the installation of renewable technologies in your home.



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SECTION 2 - INTRODUCTION

Established in 2008, Marshall and McCourt are a rapidly growing, family organisation who specialise in all aspects of Plumbing, Heating, Renewable Energy and Smart Homes in Teesside. Currently serving the North East of England from our office and showroom premises in Stockton-on-Tees, our core focus is customer satisfaction and consistently striving to exceed expectations.

We have a dedicated in-house team delivering all aspects of our projects. Our service includes offering advice, preparing and issuing designs, completing the installation and handover to the client.

Our genuine interest in clean, green and affordable technology has developed our expertise and can provide our professional guidance in respect of the following technologies;

- Solar Thermal
- Solar Photovoltaics *
- Biomass Pellet Boilers
- Air Source Heat Pumps
- Ground Source Heat Pumps
- Battery Storage *
- Car Charging Facilities *

**These technologies are not included within the Green Homes Grant*

Why chose us?

- ✓ Established for 13-years
- ✓ Expert impartial advice offered
- ✓ Local company with inhouse team
- ✓ 100% Customer satisfaction guarantee
- ✓ Trustmark Accredited
- ✓ MCS Accredited
- ✓ Various payment options available

Our vast knowledge and experience in working with these technologies means we can design a whole house approach to renewable energy, with a fully integrated system according to your personal requirements.





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SECTION 3 - RENEWABLE TECHNOLOGIES

Please see details below regarding the technologies covered under the Green Homes Grant;

Air Source Heat Pump (ASHP)

An air source heat pump (ASHP) is a system that transfers heat from outside to inside a building. In domestic heating use, an ASHP absorbs heat from outside air and releases it inside the building, as hot water-filled radiators, underfloor heating and/or domestic hot water supply. It is operated by electricity.

- You will require space within the property for a cylinder to be installed to work in conjunction with your heat pump.
- Your existing radiators and pipework may not be suitable for an ASHP and may need to be replaced.
- The efficiency of your home is reviewed to ensure the suitability for an ASHP installation.

Ground Source Heat Pump (GSHP)

A ground source heat pump system (GSHP) harnesses natural heat from underground by pumping water through it in pipes. The heat pump then increases the temperature, and the heat is used to provide home heating or hot water. It is operated by electricity.

- To install a trench system for the underground pipework, you will need a landscape of around 3-4 times larger than the footprint of your home.
- A bore hole system will require large drilling equipment to be sited within your garden, so access must be taken into consideration.
- The GSHP requires space inside your property to install the plant room equipment. Unlike the ASHP, the GSHP is located within your property.

Biomass Wood Pellet Boiler

Wood pellet biomass boilers are simply boilers that run solely on burning wood pellets and can provide all of your heating and hot water requirements. They are the most popular type in the UK and pellet boilers can be used effectively to heat domestic buildings all the way up to large factories.

- Installation requires a large plant room for installation of the boiler and fuel store.
- Consideration must be given to the delivery of wood pellets. They are delivered in large volumes and trucks will require access to your property up to the point of the fuel store.

Solar Thermal

Solar thermal panels are devices that are mounted on your roof to absorb the sun's heat and use it to heat up water, stored in a cylinder. The liquid flowing through the panels is a mix of water and antifreeze.

- You will need a solar compatible cylinder installing within your property for water storage.
- It would be beneficial to have the panels installed on a south facing roof although, this is not always possible.

Our [website](#) and [Facebook page](#) showcase several projects that we have undertaken in this capacity.



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SECTION 4 - DOMESTIC RENEWABLE HEAT INCENTIVE (DRHI)

The DRHI is a government scheme which provides financial support to homeowners who install renewable heating systems, such as heat pumps, for a period of seven years and paid quarterly.

DRHI is available for the following Renewable Technologies;

- Air Source Heat Pump
- Ground Source Heat Pump
- Biomass Pellet Boiler
- Solar Thermal

Green Home Grant (GHG)

The Green Homes Grant can be used in conjunction with the DRHI, but only if you do not currently receive DRHI payments for the specific installation you are applying for with the grant.

You must claim the Green Home Grant first and the value of your voucher will be deducted from your projected DRHI. **The DRHI application is made once your heating system has been installed.** Marshall and McCourt will assist you with this application process.

You cannot apply for RHI first before applying for the Green Homes Grant.

DRHI Funding

The DRHI pays an amount (the tariff) for every unit of renewable heat you are considered, for a period of seven years. The tariffs are published on the [Ofgem site](#).

The amount of money that is paid to you depends on several factors;

- The type of system you have chosen
- The amount of heat your property requires
- The amount of heat generated by your system and the efficiency of it

Under the DRHI rules we cannot predict your DRHI income unless:

- Your property has already had all compulsory energy efficiency requirements (such as cavity wall insulation and loft insulation) installed (unless exempt)
- You have received an Energy Performance Certificate (EPC) for your property (after installation of compulsory energy efficiency requirements if applicable).

If the necessary information was available, details of predicted DRHI would be provided at the design stage and prior to your installation.



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SECTION 5 – ILLUSTRATIVE COSTS

We have put together an average installation cost for each technology, together with average funding received from the DRHI, together with the use of your Green Homes Grant Voucher.

These average calculations have been put together based on a sample of our completed projects.

Approximate Costs based on £5000.00 Green Homes Grant (GHG) Voucher eligibility*

Technology	Installation Cost	GHG Fund	Customer Upfront Investment	DRHI Funding BEFORE GHG	DRHI Funding with GHG Deducted	Customer to Pay after GHG and DRHI Applied
ASHP and cylinder *without radiators	£10,000.00	£5000.00	£5,000.00	£10,000.00	£5,000.00	£0.00
ASHP and cylinder with radiators	£13,000.00	£5000.00	£8,000.00	£10,000.00	£5,000.00	£3,000.00
Solar Thermal*without Solar Cylinder	£3,500.00	£2333.45	£1,166.55	£2,000.00	£0.00	£1,166.55
Solar Thermal with Solar Cylinder	£5,250.00	£3,500.18	£1,749.82	£2,000.00	£0.00	£1,749.82
Biomass Boiler System	£17,500.00	£5,000.00	£12,500.00	£8,500.00	£3,500.00	£9,000.00
GSHP *with bore holes	£32,500.00	£5,000.00	£27,500.00	£30,000.00	£25,000.00	£2,500.00
GSHP *with trenches	£19,000.00	£5,000.00	£14,000.00	£30,000.00	£25,000.00	- £11,000.00

*These are working examples based on the work we have completed but is no means the exact cost you would pay.

*The cost of the ground works for the **GSHP trench installations only** is not included and an appropriate contractor would be required to complete this work.

*RHI Repayments are spread over a 7year period.

Approximate Costs based on £10,000.00 Green Homes Grant (GHG) Voucher eligibility*

Technology	Installation Cost	GHG Fund	Customer Upfront Investment	DRHI Funding BEFORE GHG	DRHI Funding with GHG Deducted	Customer to Pay after GHG and DRHI Applied
ASHP and cylinder *without radiators	£10,000.00	£10,000.00	£0.00	£10,000.00	£0.00	£0.00
ASHP and cylinder with radiators	£13,000.00	£10,000.00	£3,000.00	£10,000.00	£0.00	£3,000.00
Solar Thermal*without Solar Cylinder	£3,500.00	£3,500.00	£0.00	£2,000.00	£0.00	£0.00
Solar Thermal with Solar Cylinder	£5,250.00	£5,250.00	£0.00	£2,000.00	£0.00	£0.00
Biomass Boiler System	£17,500.00	£10,000.00	£7,500.00	£8,500.00	£0.00	£7,500.00
GSHP *with bore holes	£32,500.00	£10,000.00	£22,500.00	£30,000.00	£20,000.00	£2,500.00
GSHP *with trenches	£19,000.00	£10,000.00	£9,000.00	£30,000.00	£20,000.00	- £11,000.00

*These are working examples based on the work we have completed but is not the exact cost you would pay.

*The cost of the ground works for the **GSHP trench installations only** is not included and an appropriate contractor would be required to complete this work.

*RHI Repayments are spread over a 7year period.