

ST KEYNE VILLAGE HALL

Installation of solar panels

Our current contracts for the supply of Gas and Electricity expire in December this year. It has been forecast that the costs of these supplies will increase by a large amount, probably by 400%.

Our current expenditure for these items is:

GAS £ 920.00 per annum

ELECTRIC £2020.00 per annum.

If the anticipated rises are correct this would increase our costs to:

GAS £3680.00

ELECTRIC £8116.00

Our current income is around £19049, and expenditure is £11018, a surplus of £8031; the anticipated increased cost of gas and electric will consume most of this surplus which will not leave sufficient funds to pay for water, rates, any maintenance and repairs costs, and funding for events.

We do have a contingency fund for the resurfacing of the carpark.

Currently we do not have any plans, other than conservation, to reduce the use of gas (we have discussed the use of a heat pump in the future), the amount of electricity used from the national grid can be greatly reduced by the installation of a solar panel system.

Our current electricity consumption is around 10723kwh at a current cost of £2020.

The installation of a solar panel system will provide at least 6900kwh with a payback of 7.6 years, which will reduce the cost of electricity used by around 70%, a saving of £5677.00 pa on anticipated future costs.

The committee are also investing in replacing most of the windows to the front of the hall with new double-glazed units, at a cost of £1870.93, to reduce the potential heat loss thus further reducing the heating costs.

Current gas cost	£920.00
Current electric cost	<u>£3680.00</u>
Current utility cost	£4600.00

Projected gas cost	£2020.00
Projected electric cost	<u>£8116.00</u>
Projected utility cost	<u>£10136.00</u>

Forecast increase	£5536.00
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Projected saving for solar panels	£5677.00
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Projected future utility cost with solar panels	£4459.00
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An added advantage of installing the solar panels is environmental, a very small reduction in carbon emissions from the production of electricity.

We are also considering the installation of a heat pump and the provision of an EV charging point in the carpark., but only when we have the funds. Therefore, any financial assistance the Parish Council may give will help with our future plans.

Costs

Quote from Bradfords (attached)	£17141.96 inc VAT
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Quote from ZIC I energy (attached)	£16250.00 ex VAT
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The village hall is not VAT exempt, therefore the ZIC quote totals £19480.00

Amount Applied For

It is difficult for me to state an amount we would ask for, we have already committed for the windows to be replaced with PVCu double glazing and the hall has been repainted outside a total cost of £3120.

We have £12k available for the solar panels, we therefore would ask for the maximum amount that the Council has available.