

Local Committees Climate Change Fund

Application Fund



Closing date for this fund: 16th March 2010

Contact details

Help Notes

Q1

Woking

Name of Local Committee: *Woking*

Q2

Name and position held in the organisation:

Title: Mrs

First Name: Glen

Surname: Alder

Position held in the organisation: Headteacher

Contact address: Gorsewood Road, St Johns, Woking,

Post code: GU21 8WT

Telephone: 01483 474981

Fax:

E-mail: head@oaktree.surrey.sch.uk

This is the person we will contact if we need information about this application

What are you seeking funding for?

Q3 Provide the name and contact details of the organization that will receive the funding

The Oaktree School

Gorsewood Road

St Johns

Woking

GU21 8WT

01483 474981

Q4 Describe the project or activities you are seeking funding for

The Oaktree School is a three form infant school with 270 children. In October 2008 we were judged 'Outstanding' by Ofsted and they particularly applauded our environmental work. We are dedicated to environmental education and lowering our carbon footprint. We have achieved the Eco Green Flag for the 2nd time, supported numerous schools to achieve Eco Schools status and were part of the successful Woking Borough Council Beacon Status on Climate Change Bid and Woking Fair Trade Town bid.

At the present we are building a new classroom and environmental sustainability has been paramount in our development. The classroom is needed because Surrey CC raised our PAN number to 90 which necessitated us converting our dining room into a classroom. This room is too small for 30 children. The new classroom would allow us to move our Year 2 class into the main building. We could then use the vacated room for our large number of children with severe special needs to undertake occupational therapy in privacy and to hold confidential meetings with parents.

<p>Throughout the development and building stages of the new classroom we have used the opportunity to educate not only the children and parents within the school but also the local community by using the local press. We have now built the external structure of the classroom using environmental friendly materials where possible and local contractors. We have plans to put in the following environmental technologies:</p> <ul style="list-style-type: none"> • Ground source heating, • Water harvesting system • Solar panels • Light sensitive lighting. <p>The children and local community will have a real example of how microgeneration technologies can work on school buildings by being able to see energy being produced via the meters, the walls will have glass panels inserted to allow the children to see and understand how cavity wall insulation and water harvesting works.</p> <p>We are asking for your support to finance the ground source heating aspect of our new build. We have put in the pipes across the field to collect the heat from the ground and we now need to put in under floor heating in the classroom and purchase and install the boiler.</p>	
<p>Q5 What outcomes and outputs will you be aiming to achieve through these main functions and how do they help SCC achieve its priorities? Please also say if you are working with any SCC service and the named contact(s).</p> <ul style="list-style-type: none"> • The installation of a ground source heat pump will save an estimated 1.8 tonnes of CO2 emissions per year. • Initial calculations show that we should be able to add two more classrooms to the ground source heat pump. • The lighting will be powered by solar panels and it is hoped will return energy to the grid. • The water harvesting system will have a significant impact upon the water consumption of the new classroom. • The whole building has been planned to the lowest carbon footprint that we can achieve and will therefore impact upon our energy consumption. <p><u>Ground Source Heating</u> <u>Running costs per year</u> Assuming average 7 months operation per year (September through April with 4 weeks holiday) Average 10 hours operation per day Therefore the system is on call for 1400 hours per year Assume that the system is actually active (using energy for heating) for 70% of that time (980 hours) Cost per kWh = 8.71p Therefore heat pump costs £170.71 to run per year, gas would cost £750.37 per year (assuming parity between gas and electricity costs). We therefore have a net saving of £579.66 per year.</p> <p><u>General Comparison Calculations</u> The heat pump is rated at 8kW. This is the output and therefore we will use 7,840kWh per year The heat pump will cost 1,960kWh to produce this heat (because it is 400% efficient). A gas boiler will cost 8,615kWh to produce the same heat (because it is 91% efficient).</p> <p>Total Cost of environmental technology Ground Source Heating £21,393 Solar Panels £31,495.45 Water Harvesting £4,010.00</p>	<p>An outcome is the direct difference your project will make. The outcomes and quantifiable outputs you specify will form part of our funding agreement with you.</p>

<p>Q6 How will you measure your success in carrying out the activities and achieving the outcomes you have set out above?</p> <ul style="list-style-type: none"> • For the last two years we have kept records of our energy consumption and we should be able to see the difference the ground source heat pump is making to our energy consumption once the other two classrooms are added. • We have built an Eco building at the end of the new classroom to house the water recycling and the heating pump. This is glass fronted so that parents and children can see the savings that are being made. • We will be evaluating the success of our education plan by questionnaires to children and discussions with the Eco Committee, questionnaires to parents and informal discussions with all stakeholders. 	<p>We don't want to create reporting burdens so do keep systems simple, realistic and informative. If you measure your success for other funders - could some of that information be used by us too?</p>								
<p>Q7 Please set out the project timescale and key project milestones</p> <table border="1" data-bbox="165 723 1153 943"> <tr> <td>August 09</td> <td>We have dug trenches in the field and put in ground source pipes.</td> </tr> <tr> <td>April 10</td> <td>Complete installation of the under floor heating pipes</td> </tr> <tr> <td>April 10</td> <td>Install heating boiler</td> </tr> <tr> <td>As we find the finance</td> <td>Connect the other two classrooms to the system</td> </tr> </table> <p>Although we would like to have the heating fitted by April we can start work as soon as we have the finance.</p>	August 09	We have dug trenches in the field and put in ground source pipes.	April 10	Complete installation of the under floor heating pipes	April 10	Install heating boiler	As we find the finance	Connect the other two classrooms to the system	<p>We will be requiring a brief quarterly update on progress and these milestones will form the basis of that update</p>
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<p>Q8 Who are your key partners – and what type of relationship do you have? (eg strategic planning, collaborative working, community development, funding, service delivery)</p> <p>At the moment we have no partners and we have spent all of the money that we have to get the building to the dry envelope stage. During the last two years we have saved majority of the £30,000 capital funding given to the school, drawn down future money and raised £40,000 by fundraising to get to this stage.</p> <p>We have been speaking to SCC capital works but at the present time they have indicated that they do not have any money to help us. We have a history of raising money for large projects and have plans to fundraise to finish the building if SCC cannot help us.</p> <p>We did apply for funding from E.ON but were unsuccessful. We will be looking to apply for other grants.</p>	<p>Please list the partner organisations you are working with and their involvement in the project.</p>								
Financial Questions									
<p>Q9 How much are you applying for in 2010-11?</p> <p>Capital Costs Underground pipes and installation is already installed and paid for by the school £5,424</p> <p>Money needed to complete project. Cost of heat pump £10,000 Pipes and installation – £5,393 Cost of under floor heating layout (estimated) - £6,000</p> <p>Total needed: £21, 393</p> <p>We would be grateful for your support with all or some of these costs.</p>	<p>This should be the total amount of money you are asking from SCC in 2010-2011.</p>								

<p>Q10 How will this funding help the project or initiative? What are the implications of not receiving the funding you have requested from SCC? What are the implications of receiving part of the funding you have requested from SCC? (Please keep answer brief)</p> <p>Without funding we will not get the classroom finished in this academic year and will probably take a number of years to complete. This means that the children will be working in cramped conditions and special needs children will not receive the privacy and confidentiality that they deserve.</p> <p>We are ready to complete the heating phase of the building and by supporting us with funding for this section we will be able to continue to the next phase of the building.</p>		<p>For example it may enable greater security, longer term planning, or to carry on providing a service that benefits other organisations and communities</p>		
<p>Q11 Has the project received financial support from any part SCC (including Local Committee allocations) in the last 2 years? If yes, please give brief details. NO</p>		<p>This information helps SCC to continue to monitor its support to Surrey organisations and promote collaboration between departments.</p>		
Name of Funding	Name of Manager		Amount	When

<p>Completing this form does not guarantee success when applying for funding</p> <p>All successful projects will be required to complete an evaluation form outlining the outcomes of the project</p>	
<p>I confirm that to the best of my knowledge the information contained within this Application Form and the enclosed supporting documentation is accurate.</p>	
<p>Print Name: Mrs Glen Alder</p>	<p>Organisations and Status:</p> <p>Headteacher - The Oaktree School</p>
<p>Signature: G. Alder</p>	<p>Date: 18th January 2010</p>

Bids should be submitted electronically to lesley.harding@surreycc.gov.uk

Office Use	
Grant Programme title: Local Committees Climate Change Fund	
Date received and who by:	All documents attached: