

To: INFRASTRUCTURE, LAND AND ENVIRONMENT POLICY BOARD

On: 07 NOVEMBER 2018

Report by: DIRECTOR OF ENVIRONMENT AND INFRASTRUCTURE

Heading: SCOTTISH POWER ENERGY NETWORKS GREEN ECONOMY FUNDING

1. SUMMARY

- 1.1 Scottish Power Energy Networks (SPEN) have launched a Green Economy Fund, inviting applications for an award of funding to support the Scottish's Government's ambitious energy strategy and the UK's drive to a low carbon economy.
- 1.2 The SPEN Green Economy fund will support projects and initiatives which will focus on a combination of activities which will:
 - Deliver low-carbon transport technology;
 - Build the infrastructure and the learnings needed for the changes in transport expected over the next decade; and
 - Result in high carbon savings and air quality benefits.
- 1.3 The SPEN Green Economy Fund can provide for capital or revenue funding and is open to Scottish organisations and local authorities. Other Community Planning Partners are eligible project partners. An applicant's ability to provide some funding toward the project will be considered as part of the assessment of bids.
- 1.4 The Council has recently submitted a funding application for Switched on Towns and Cities Challenge Fund, with a grant application of £2.2 million. A Board Paper was submitted in August 2018 detailing our Council submission and the funding announcement should be made in November 2018.
- 1.5 The Scottish Power Energy Networks Green Economy Fund, if successful, will further build on the Switched On Towns and Cities Challenge Funding bid with an expanded EV Charging Network and greater number of Electric Vehicles within the Council

Fleet. The bid criteria for Switched On Towns and Cities required to focus on a town area whereas SPEN Green Economy Fund allows a wider Renfrewshire bid approach.

2. RECOMMENDATIONS

It is recommended that the Infrastructure, Land and Environment Policy Board:

- 2.1 Homologates the submission on 17 October 2018 of a bid to the Scottish Power Energy Networks Green Economy Fund, with a grant application bid of £1.5 million.
 - 2.2 Notes that the contribution from the Council for the delivery of the project is anticipated to be up to £300,000 over 2019/20 and 2020/21, which will be funded from the Council's annual Vehicle Replacement Programme.
 - 2.3 Notes that if the bid is successful, a further report will be brought back to a future meeting of this Policy Board setting out the award and the detailed plans over the next two years.
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3. BACKGROUND

Application Process

- 3.1 The Green Economy Fund is an enabler for Scottish Power Energy Networks investing in Scottish communities to support the Scottish and the UK Government's Energy Ambitions.
- 3.2 Scottish Power Energy Networks have committed to contributing up to £20 million over a two year period to support local initiatives that will benefit communities in Scotland and support Scotland's ambitious green energy plans and local economic growth.
- 3.3 Applicants are encouraged to put forward proposals that will create and accelerate a green economy. Projects focused on low-carbon transport technology and building the infrastructure necessary for the changes in transport needed over the next decade must be completed by 31st March 2020. The application process closed on 18th October 2018. As a result of the submission date being before the 7th November policy board, the policy board are asked to homologate the submission. If successful a detailed award report would be brought back to Policy Board.
- 3.4 The Council has recently submitted a funding application for the Switched on Towns and Cities Challenge Fund, with a grant application of £2.2 million. A Board Paper was submitted in August 2018 detailing our Council submission and the funding announcement should be made in November 2018. A copy of the submission is attached as Appendix A to this report.

- 3.5 The Council was also awarded a grant of £208,168 in 2018/2019 for EV and a grant of £415,000 for EV charging infrastructure. It is intended that this grant funding for EV charging infrastructure is located in Johnstone, Renfrew and the Villages.

4. **Renfrewshire Application**

- 4.1 The SPEN Green Economy Fund bid built on our grant fund application for the Switched on Towns and Cities Challenge Fund and if successful would potentially provide up to £3.7 million of external funding, with a further Council contribution of £500,000 as part of the Council's annual Vehicle Replacement Programme over 2019/2020 and 2020/2021.
- 4.2 The application for Renfrewshire focused on 3 main areas:
- Expansion of electric vehicles within the Council fleet;
 - Expansion of electric vehicle charging infrastructure within Renfrewshire; and
 - Proposals to benefit the general public, such as increasing the number of charging points in community centres, leisure centres and other public facilities.
- 4.3 The Council has an annual Capital Investment Programme for Replacement of the Light and Heavy fleet of £1.5 million. In an average year, the Capital Investment in Light Fleet (vehicles which could be replaced with Electric Vehicles) is £200,000.
- 4.4 The SPEN Green Economy Funding bid focused on delivering on the activities as listed in section 1.2 above, with the Council having a significant focus on replacing the Council light fleet with electric vehicles and investing in infrastructure to service this fleet, as well as growing the EV charging network available to communities in Renfrewshire.
- 4.5 The successful applicants will be notified during November 2018 with the projects then being delivered during 2019/20.

Implications of the Report

1. **Financial** – The Council's contribution to the Project will be £300,000 over the next two financial years and will be funded from the annual Vehicle Replacement Programme.
2. **HR & Organisational Development** – None
3. **Community Planning**

Creating a sustainable Renfrewshire for all to enjoy – Community Planning –
Creating a sustainable Renfrewshire for all to enjoy. This project, subject to external funding being awarded, will deliver significant reductions in fossil fuel

usage, support sustainable travel with greater use of electric vehicles and air quality benefits in Renfrewshire

4. **Legal** - None
5. **Property/Assets** - None
6. **Information Technology** - None
7. **Equality & Human Rights** - The recommendations contained within this report have been assessed in relation to their impact on equalities and human rights. No negative impacts on equality groups or potential for infringement of individuals' human rights have been identified arising from the recommendations contained in the report. If required following implementation, the actual impact of the recommendations and the mitigating actions will be reviewed and monitored, and the results of the assessment will be published on the Council's website
8. **Health & Safety** – None
9. **Procurement** – Engagement will take place with procurement during the process of tendering for contractors to deliver the improvements programme.
10. **Risk** – A risk register will be developed as part of any procurement and site associated works programme.
11. **Privacy Impact** – None
12. **Cosla Policy Position** – None

List of Background Papers - None

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Scottish Power Energy Networks Green Economy Fund

Title

Sustainable Travel - Renfrewshire

Summary (300 words max)

Please provide a brief overview of your project

Renfrewshire Council is committed to reducing its carbon footprint. We currently have 42 electric vehicles, some of which are 5 years old and now require replacement, but as part of a wider project we are also looking to replace, where feasible, all our light fleet (cars and vans) to electric, which in their totality would be in the region of 150 vehicles.

To undertake this would be a step-change in the way that the Council has historically operated its fleet and by changing to cleaner electric vehicles throughout our own fleet, we would demonstrate that we are the forefront of effectively deploying this type of technology to positively change the behaviours amongst other local authorities, local businesses and most importantly our citizens, in favour of cleaner and more sustainable travel options. Our application focuses upon 4 principal areas;

- (1) Expansion of the existing electric vehicles within the Council fleet;
- (2) Introduction of an electric pool car fleet across the Council to reduce business emissions and costs;
- (3) Expansion of the existing electric vehicle charging infrastructure within Renfrewshire; and
- (4) Proposals to benefit the General Public such as increasing the number of charging points in leisure centres and other public facilities.

This will be achieved through:

- (a) Creation of 5 major electric vehicle charging hubs in Paisley, Johnstone and Renfrew town centres as well as installing individual charging points in car parks;
- (b) Locating electric vehicle charging infrastructure close to public amenities such as Leisure Centres and public parks;
- (c) Creation of a large charging hub (50 charging points) and replacement of 100 vehicles to electric (cars and light vans) in Renfrewshire Council Underwood Road Depot; and
- (d) The potential to create free or reduced tariffs to use electric points within council car parks.

Type

Please tick multiple boxes if relevant

- ☒ Project Feasibility Funding ☐ Gap Funding ☒ Funding for Staff Time
☐ Research Funding ☐ Revenue Funding ☒ Capital Funding

Cost Information

* Cost (£)

Funding Requested (£)

Cost (£)

What is the total cost of your project

4000000

How much funding are you seeking through the Green Economy Fund? Remember that all projects must include match funding

1500000

Other funding sources

Including your own. If you are receiving funding from other sources please state the amount and where this is coming from

* Own Sources Amount (£) 300000

* Other Sources Amount (£) 2200000 * Other Sources Origin Transport Scotland

Aim (200 words max)

What are the core aims of the project? How do these tie in with the priorities of the Green Economy Fund?

The project aims to deliver significant results in carbon savings, supporting sustainable travel with greater use of electric vehicles and air quality benefits.

Carbon Savings - Support the replacement of our existing vehicle fleet to electric fleet and reducing our use of fossil fuels (diesel/ petrol), in the region of 850,000 miles per year (equating to 160,000 litres of fuel), resulting in a significant reduction in the Council's carbon emissions totalling 430 tonnes.

Supporting Sustainable Travel - Establish an electric vehicle charging infrastructure, through 5 major electric charging hubs, capable of supporting the wider public use of electric vehicles throughout Renfrewshire. This would promote the uptake of privately owned electric vehicles in a wider and more accessible network of electric vehicle charging points. Additionally, by creating charging infrastructure at Leisure Centres and public parks, we would encourage wider social benefits for Residents and Visitors to use local leisure and recreational facilities whilst charging their vehicles.

Air Quality Benefits - Renfrewshire has three Air Quality Management Areas and the Council has established an Air Quality Action Plan with specific actions including expansion of Electric Vehicle fleet and reduction in carbon emissions to improve Air Quality.

Rationale (200 words max)

Why have you chosen this particular project? Why is this preferable to other options?

Our rationale is to deliver a step-change in greener travel which supports the Council's sustainable transport policy and positively influence Renfrewshire Council's rating of 4 stars in the 'ECO stars' national fleet recognition scheme to promote sustainable transport across all business sectors operating within/ throughout Renfrewshire and to promote the use of such transport modes with both our staff and the public.

The Green Economy Funding will also allow Renfrewshire to meet our sustainable transport policy targets far quicker and support Scottish Government policies, including its 'Air Quality Strategy'; the 'National Transport Strategy' and the 'Scottish Energy Strategy'. The Council's Air Quality Action Plan have detailed specific actions including the introduction of an electric fleet, in conjunction with the Council's sustainable transport policy, will significantly reduce the number of business miles undertaken by Council staff in petrol / diesel vehicles and assist in the reduction of levels of pollutants making Renfrewshire a more attractive place to both live, work and visit.

Beneficiaries (200 words max)

The principle beneficiaries of this overall plan will be Residents, Visitors, Workers and local businesses in Renfrewshire along with the Council through the increased use of electric vehicles and reduced carbon emissions, expansion of a network of Electric Vehicle Charging Points throughout Renfrewshire and improved Air Quality.

Whilst air quality as a whole in Renfrewshire is good, the levels of these pollutants within certain areas of Paisley town centre and Renfrew exceed the statutory air quality objective levels and the Council has three Air Quality Management Areas. Road vehicle emissions are a main source of these pollutants. The pollutants of concern within Renfrewshire are particulate matter (PM10) and nitrogen dioxide (NO2). Both of these pollutants are known to worsen respiratory conditions particularly in the old, young and people with existing underlying health problems. Renfrewshire Council currently operate three automatic monitoring stations which continuously monitor air quality and are located within Paisley and Renfrew.

The expansion of the Electric Vehicle Charging Network will support a change to driving behaviours and our Council will be adopters and influencers of this change in transport culture to then inspire vehicle users in Renfrewshire to change to EV technology.

Objectives

Carbon Savings

- Reduction in carbon emissions consumption by Council staff of 430 tonnes (160,000 litres fuel usage reduction)

Supporting Sustainable Travel

- Increased number of Electric Vehicles within Council Fleet from 42 to 120 (including replacement of 20 first generation electric vehicles)
- Increase % of Electric Vehicles within Council Fleet from 10% to 28%
- Increased number of Electric Vehicle Charging Points
 - Public facilities from 8 to 25
 - Council facilities from 15 to 70
- Reduction of 850,000 miles undertaken by Council staff in petrol/ diesel vehicles

Air Quality Benefits

- Reduction in the levels of pollutants at 3 monitoring stations in Renfrewshire.

Outcomes (300 Words max)

What results do you expect the project to produce? What change will occur? Include any evidence or past experience to support this. Estimated figures (households supported, carbon saved, jobs created etc)

Renfrewshire is situated in the West of Scotland, and shares borders with five other local authorities. Renfrewshire includes the towns of Paisley, Renfrew and Johnstone, smaller towns such as Erskine and Linwood, and villages such as Bishopton, Elderslie, Houston, Inchinnan, Langbank, and Lochwinnoch. Almost 175,000 people live in the area, in nearly 89,000 households. 65% of all households have at least one car or van, and the most common method of transportation to work or study is by car or van. Renfrewshire Council area registered the highest level of licensed Ultra Low Emissions Vehicles (ULEV) in Scotland at the end of Quarter 1 2018 with 1,243 vehicles. We will build on this high uptake by continuing to lead on the use of cleaner electric vehicles throughout our own fleet, demonstrating to the public that we are at the forefront of effectively deploying this type of technology and that this will in turn will positively change the driving behaviours amongst our residents, visitors and workers in favour of cleaner and more sustainable travel options.

Outcomes are linked to our Project's Aims and are aligned to the overall aims of the SPEN Green Economy Fund :-

Carbon Savings - Significant Carbon Savings of 430 tonnes (160,000 litres of fuel)

Sustainable Travel - Increased use of electric vehicles (Council and Private Ownership) and Wider network of Electric Vehicle Charging Points throughout Renfrewshire.

Air Quality Benefits - Improved Air Quality and social health benefits, achieving Scottish Government Zero Emissions Targets and achieving Council Air Quality Plan.

Road transport accounts for around 20% of total carbon emissions, reducing this pollution would make a significant difference, as well as benefit the residents, visitors and workers in Renfrewshire of the deadly effects of diesel particles in the air.

Measuring Success (300 words max)

How will you demonstrate the success of your project? What measurements or mechanisms are in place to test this?

Measuring Success will be demonstrated in accordance with Renfrewshire Council's Project management framework. This approach will establish an operational Project Board to deliver the project, which will in turn regularly monitor and report success to the Environment & Infrastructure Strategic Change Board, chaired by the Director (the Project Sponsor), to oversee the Sustainable Travel' project.

The operational Project Board will be led by the Head of Operations and Infrastructure and will consist of key stakeholders, from the principle areas impacted by the project along with expertise drawn from across the Environment & Infrastructure Service and wider Council where needed. A collaborative approach will also be taken with other stakeholders within Renfrewshire to maximise the benefits and share the successes as widely as possible.

An experienced project manager has been identified who will manage the project requirements; develop the detailed planning of the project; be responsible for reporting progress and success through the established governance arrangements. Success will be evaluated based on the Project Plan Objectives of providing Carbon Savings, Supporting Sustainable Travel and Air Quality benefits; Did our project get delivered on time? And if not, how far behind schedule was it and what were the issues? Was the project delivered within budget? Are the service users satisfied with the results of the project?

Measuring the success of the Sustainable Travel project once key stages of the plan have been completed will be invaluable as it provides a learning opportunity for future undertakings including converting our heavy fleet to electric, and, the opportunity to assess the true effectiveness of the project.

Activities (500 words max)

Please list the specific activities to be delivered and how the money will be used. For example, "Installation of a wind turbine" or "funds to pay for staff for specialist advice"

Renfrewshire Council has commissioned a feasibility study as well as developing costings for both infrastructure and vehicles. We are also working with vehicle manufacturers to ensure we have the most appropriate vehicles for this project. One of the findings of the feasibility study show we have a large number of light commercial vehicles and cars that don't exceed a daily mileage of over 80 miles. We would through this funding change these vehicles to the generation 2 electric vehicles which have a range capacity vastly exceeding the daily mileage.

Renfrewshire Council is committed to significantly reducing its carbon emissions and improving Air Quality. We currently have 42 electric vehicles, some of which are 5 years old and now require replacement, but we are also looking to replace, where feasible, all our light fleet (cars and vans) to electric, which in their totality would be in the region of 150 vehicles.

Project costings:

Underwood Road infrastructure (43 charging points, civil works and creation of car parks) = £1,500,000

Purchase / lease of minimum 100 electric vehicles = £1,500,000

Installation of 30 charging points throughout Renfrewshire car parks = £850,000

Professional Fees / Staff Costs £150,000

This will be a step-change in the way that the Council has historically operated its fleet and by changing to cleaner electric vehicles throughout our fleet, we would demonstrate that we are at the forefront of effectively deploying this type of technology to positively change the behaviours amongst our staff, local businesses and most importantly our residents, in favour of cleaner and more sustainable travel options.

However, to support this vehicle investment programme, we would also need to install approximately 70 electric charging points along with the related infrastructure, such as creating an electric car park hub through a mixture of charge points (rapid, fast and trickle chargers) and fitting solar panels. Installation of the solar panels would reduce the need to use power from the national grid, making it possible to be more efficient in energy to run our electric fleet.

Additionally, the Council is introducing an electric pool car scheme for employees to use their vehicles for the business miles annually undertaken, much of it petrol and diesel. Introducing electric pool vehicles for staff will reduce personal business mileage and result in the business miles with essential journeys being undertaken by electric vehicles. Several employees would not require their personal vehicle when this is introduced further reducing our carbon footprint. Fleet being converted to electric will support our aim to reduce carbon emissions. This will have the effect of improving air quality within our towns and promote the Council as an example of best practice.

Currently we undertake 1.6 million miles (£650,000) through the business miles scheme (employees using their own vehicles) by introducing pool cars which will be predominately electric vehicles on a phased basis over 2 years we are looking to make saving financial and vastly reduce the need for using fossil fuels.

Deliverables and Timescales

Please outline the tasks and timeline for this work. List the tasks within your project in the table below and include a planned start and end date for each. Also list any “deliverables” you will produce at the end of each task (e.g. a report on results of the task, a published document, a pilot installation and case study). Bear in mind the scale of your project, for a larger grant you will need to provide detail of all activities. Add more rows if you need to. Remember that the project must be completed by 31st March 2020.

There are several key milestones which have been developed funding at the high-level for this stage:

- Feasibility Study - Jul 2018
- Specification and costing for charging units- Aug 2018
- Green Economy Fund Fund submission - October 2018
- Green Economy Fund Award- Nov 2018
- Infrastructure Workstream commencement - Nov 2018
- Fleet Workstream commencement - Jan 2019
- Civils Work begins (installation of Vehicle Charging Points) - Feb 2019
- Civils Work complete- Jan 2020
- Project Closure- Mar 2020
 - Project Report including Lessons Learned – May 2020

Partners

University of the West of Scotland (UWS)

UWS has 4 campuses across Scotland including a 20 acre campus in Paisley, business travel represents a significant challenge from a fuel cost and carbon perspective

Care & Repair Renfrewshire

Housing Association

Care & Repair Renfrewshire provides free and confidential advice and practical assistance to people who are older or have disabilities and live in Renfrewshire

Strathclyde University (Advanced Forming Research Centre)

The Advanced Forming Research Centre is a centre of excellence in innovative manufacturing technologies, R&D, and metal forming and forging research based in Inchinnan Business Park

Technology (500 words)

Renfrewshire Council is aiming to expand the network of electric vehicle charging points, the number of existing electric vehicles within the Council Fleet and reduce our carbon footprint.

Subject to market prices and to gain the most economically advantageous outcome, the project would look to purchase/ lease through a mixture of 3/4/5 year leases, new electric vehicles through the Crown Commercial Services Framework. These Electric vehicles would be:

- Nissan Leaf Cars ("Real World" actual range of 150 miles as opposed to New European Driving Cycle (NEDC) ranges based in lab conditions);
- Renault Kangoo Vans (Range of 130 miles);
- Nissan e-NV200 Vans (Range of 130 miles); and
- Renault Zoe Cars (Range of 130 miles).

Additionally, the Council, as a part of its Vehicle Replacement Programme, would in addition to external funding look to replace a further 25 vehicles to support the project (which would be in the region of £300,000 over two years). While capital costs are much higher than a comparable petrol or diesel powered vehicle, the whole life cost is generally 10-20% lower due to much lower operating, servicing, maintenance and repair costs.

Each vehicle will be fitted with the 'Masternaut' telematics system which transmits data, like location and speed, from the vehicles, so we can manage our operations more effectively. Telematics technology has had a transformational effect on our fleet. The impact of its data is far-reaching: our Council has reported significant savings in areas such as fuel, maintenance costs and insurance due a reduction in road traffic accidents and collisions.

To support the electric vehicle programme, we would install a combination of electric vehicle charger points with slow charge charging points of 7kW and rapid charge charging points of 50kW providing extensive provision across Renfrewshire and overcoming issues with limited range of some electric vehicles. Rapid chargers will increase the use of vehicles, potentially allowing more than one return journey a day. Rapid charge units take around 30 minutes to restore 80% of battery power.

This would be a step-change in the way that the Council has historically operated its fleet and by changing to cleaner electric vehicles throughout our own fleet, we would demonstrate that we are at the forefront of effectively deploying this type of technology to positively change the behaviours amongst other local authorities, local businesses and most importantly our residents, in favour of cleaner and more sustainable travel options.

Moving forward from generation 1 electric vehicles we would require to replace existing electric vehicles with the new generation 2 vehicles with a mileage range of 150-180 miles on one charge. This would remove the range anxiety with the older version of 70 miles per charge.

We are keeping a watchful eye in development in the larger electric vehicles at this time, range and cost are prohibitive although with the rapid changes in technology this is the next phase of our vehicle replacement plans.

What activities have been carried out to date? (500 words)

Over the past 5 years, Renfrewshire Council has reduced our overall fleet of vehicles, increased fleet utilisation and grown their Electric Vehicle Fleet to 42 with 8 Electric Vehicle Charging Points. The Council has recently commissioned a feasibility study (August 2018) of Electric Vehicle Fleet which has concluded that up to 150 light fleet vehicles within the Council's existing fleet could be converted to electric. However, with the future development of electric vehicles moving to larger vans, this could increase further to 250 vehicles. Additionally, the project would look to replace some of the existing electric fleet which would remove the range anxiety of older electric vehicles. The Council therefore aim to capitalise on the potential to convert more of its fleet in the future and consequently reduce its current dependence on fossil fuels and associated carbon footprint.

We launched our new Sustainable Travel Plan on 1st October 2018. The aim of this initiative is to reduce business miles with a more efficient and cheaper method of travel. The aim is to more or less combine this mileage into fleet once infrastructure is in place. We are looking to use electric vehicles as the main driver for this project.

Renfrewshire Council are one of the foremost Councils in the Electric Vehicle field with a high ratio of electric vehicles to fleet. Working extensively with Transport Scotland for over six years, we have increased the number of our fleet of electric vehicles and electric charging points in Renfrewshire. We have a number of charging points available to the public but we aim to increase the number of charging points significantly to meet expected demand for electric vehicles.

The Council currently has three Air Quality Management Areas and there is an expectation from the Scottish government that we will work toward achieving compliance with air quality objective levels by 2023. In addition, Scotland plans to phase out new petrol and diesel cars by 2032, eight years earlier than under proposals recently set out by the UK government, as part of a move to a low carbon economy. The use of Scottish Power Green Economy Funding would enable the Council to achieve this goal a lot quicker and thereby be a catalyst to encourage other councils, private individuals and companies to do likewise.

What specific permits and permissions are required for your project? (500 words max)

Not applicable based on our previous experience of Electric Vehicle and Infrastructure contracts and delivering this type of project.

Experience (500 words max)

Please provide details of any relevant experience, including project management or delivery and list other relevant skills and experience within the organisation/partnership

Renfrewshire Council will bring together a range of services including Planning and Transport, Fleet Management, Procurement and Project Management who have the relevant skills and experience to deliver this type of project.

The 'Sustainable Travel - Renfrewshire' project will deploy PRINCE 2 project management methodology throughout the lifecycle of the project. Progress will be 'gated' through the following project stages:

Identify;

Assess Options; Define;

Deliver; and

Close.

It is anticipated that the overall project will have two workstreams. These would be:

(1) An 'Infrastructure Workstream', responsible for charging points, and;

(2) A 'Fleet Workstream', responsible for vehicle procurement.

Product specifications and acceptance criteria for both workstreams will also be created.

Project governance will be in accordance with Renfrewshire Council's Programme/ Project management framework. This approach will establish an operational Project Board to deliver the project, which will in turn regularly monitor and report progress to the Environment & Infrastructure Strategic Change Board, chaired by the Director (the Project Sponsor), to oversee the 'Sustainable Travel' project.

The operational Project Board will consist of key stakeholders, from the principle areas impacted by the project linking in the University of the West of Scotland, Care and Repair Renfrewshire and Strathclyde University along with expertise drawn from across the Environment & Infrastructure Service and wider Council where needed, such as Energy Management and Communications/Marketing officers. A collaborative approach will also be taken with other stakeholders within Renfrewshire to maximise the benefits as widely as possible.

An experienced project manager has been identified who will manage the project requirements; develop the detailed planning of the project; be responsible for reporting progress through the established governance arrangements, along with managing any risks & issues, working with a dedicated project leads and subject matter experts.

The project team will work extensively with our Energy Management and Communications/Marketing teams and across the key external project partners to promote the benefits of an increased electric vehicle fleet, expanded electric vehicle charging network and improved air quality benefits. Engagement with residents and local businesses will

promote Energy Awareness and Government targets whilst showcasing the range of electric vehicles to drive a change in local companies and private vehicle owners switching to electric vehicles.

Team

Please provide details of core staff members from yourself or any other organisation playing a key role in the project

- Director and Project Owner
- Head of Service and Project Sponsor
- Transportation and Operational Project Lead
- Project Management
- Procurement
- Planning and Transport

Short biographies provided for team members.

Procurement (500 words max)

If you intend to procure services outwith the partner organisations you've listed above, please list details here and explain how you will make sure your procurement process is open and fair and how you will demonstrate value for money

Renfrewshire Council has structured procurement processes and existing frameworks established through Crown Commercial Services and Scotland Excel.

Subject to market prices and to gain the most economically advantageous outcome, the project would look to purchase/ lease through a mixture of 3 to 5 year leases, new Electric vehicles through the existing Crown Commercial Services Framework.

Charging Points will be procured through a Scotland Excel Framework agreement. Scotland Excel works to an open and transparent framework to secure best value for customers and improve the efficiency and effectiveness of procurement in Scotland's public sector. These frameworks provide a structure for ensuring contractors and suppliers meet the defined deadlines and timescales.

Collaborative procurement and shared services have a key role to play in saving money to protect front-line public sector services. A strategic approach to procurement also supports and encourages innovation in service delivery and brings wider economic, environmental and social benefits to communities. With a portfolio of contracts worth £1billion, Scotland Excel delivers savings of around £15 million a year to local authorities and associate members.

But while cost savings through efficiency and innovation are important, they're not the bottom line for Scotland Excel. Our contracts also facilitate national and local policy priorities, support the local economy, and generate additional social value for Scotland's communities.

From encouraging employers to pay the living wage to promoting apprenticeships and job creation, our procurement frameworks are designed to realise the wider social and community benefits that public sector procurement can achieve. Scotland Excel encourages a wide variety of businesses to tender for contracts and around 70% of our suppliers are

local small to medium enterprises (SMEs) which helps to secure local employment and economic growth.

The Strategic Procurement Category Manager in Renfrewshire Council will be an integral part of the Project Team working across both Project workstreams of Infrastructure and Fleet.

Risk Assessment

The 'Sustainable Travel' project will deploy PRINCE 2 project management methodology throughout the lifecycle of the project.

An experienced project manager has been identified who will manage the project requirements; develop the detailed planning of the project; be responsible for reporting progress through the established governance arrangements, along with managing any risks & issues, working with dedicated project leads and subject matter experts.

Any risks / issues identified throughout the implementation / delivery phase of the project (For instance, Procurement of Installation works or Fleet) will be managed in a methodical way by the Project Manager and Team to mitigate the risk to the overall project.

Renfrewshire Council have extensive experience of procuring goods and services for this type of project and do not foresee any major risks to the successful delivery of the project.

Reduce Carbon Emissions (300 words max)

To be considered for funding your project must reduce carbon emissions. Please explain how your work will do this. Estimates for carbon savings are strongly encouraged

Renfrewshire Council has a track record of protection of the environment and the health of local people. It achieved a carbon reduction of over 28% in the five years to 2013-2014. The use of cleaner electric vehicles is an important element of achieving this reduction and future carbon reductions and our reliance upon fossil fuels within our fleet service. Where technology has allowed, we have procured electric vehicles as part of our Council Vehicle Replacement Investment Programme.

This funding would support the expansion of our electric fleet and would reduce our use of fossil fuels e.g. diesel/ petrol, in the region of 850,000 miles per year (equating to 160,000 litres of diesel/ petrol fuel), thereby supporting a significant reduction in the Council's carbon emissions of 430 tonnes.

The introduction of electric vehicles to fleet has reduced the maintenance required against conventional vehicles thus making electric vehicles more attractive and more cost effective. This funding will allow Renfrewshire Council to bring in the second generation of electric vehicles replacing older less efficient electric vehicles.

Additionally, the Council is introducing an electric pool car scheme for employees to use their vehicles for the 1.6M business miles annually undertaken, much of it petrol and diesel. Introducing electric pool vehicles for staff will reduce personal business mileage and result in the business miles being undertaken significantly reducing with essential journeys being undertaken by electric vehicles. Several employees would not require their personal vehicle

when this is introduced thus reducing our carbon footprint in the region of 400 tonnes per year. Fleet being converted to electric will further reduce carbon emissions. This will have the effect of improving air quality within our towns and promote the Council as an example of best practice.

Social Benefits (300 words max)

How will your project provide social benefits? What good social outcomes do you expect? How are you calculating these benefits?

The Social Benefits of this overall plan will be residents and visitors to Renfrewshire, local businesses along with the Council with the expansion of Electric Vehicle Charging Points throughout Renfrewshire, reduced carbon emissions and improved Air Quality.

Whilst air quality as a whole in Renfrewshire is good, the levels of these pollutants within certain areas of Paisley town centre and Renfrew exceed the statutory air quality objective levels and the Council has three Air Quality Management Areas. Road vehicle emissions are a main source of these pollutants (PM10) and nitrogen dioxide (NO2). Both of these pollutants are known to worsen respiratory conditions particularly in the old, young and people with existing underlying health problems. Monitoring of local air quality is an integral part of the Local Air Quality Management process. We currently operate three automatic monitoring stations which continuously monitor air quality and are located within Paisley and Renfrew.

In addition, by promoting the use of cleaner electric vehicles throughout our own fleet, we anticipate that this will demonstrate to the public that we are at the forefront of effectively deploying this type of technology and that this will in turn will positively change the behaviours amongst our residents, visitors and workers in favour of cleaner and more sustainable travel options. We will continue to review the number of electric plug-in vehicles licensed in Renfrewshire to ensure there is a continued uptake of cleaner electric vehicles in the Renfrewshire area.

Renfrewshire's Electric Vehicle Charging Network is lagging behind Electric Vehicle growth. There are currently 16 Public Available Electric Vehicle Charging Points in Renfrewshire [<http://www.greenerscotland.org/greener-travel/greener-driving/charge-point-map>]. However, there are currently no EV charging points in the urban areas of Bishopton, Bridge of Weir, Elderslie, Houston, Howwood, Kilbarchan, Langbank and Paisley South. Therefore, there is a need to support Electric Vehicle adoption rates in towns and communities by upscaling the public EV charging infrastructure accordingly. Collecting data on charger usage, both public and private, will inform the next stages of our EV Charging infrastructure on where future investments in public charging need to be made.

Additionally, by creating charging infrastructure at Leisure Centres and public parks, we would encourage wider social benefits for Residents and Visitors to use local leisure and recreational facilities whilst charging their vehicles.

Local Economic Growth (300 words max)

What opportunities for economic growth will your project create? Will there be any new jobs created? What overall economic benefit will there be and will this be long term?

Working in partnership with Transport Scotland, we are aiming to create enough available charging points for public and Council use to relieve the anxiety surrounding the use of electric vehicles. Whilst electric vehicles are more expensive to purchase, they are far cheaper to run and with travel ranges now up to 150 miles on a single charge, we believe the public will look to transfer to electric. This will also help to achieve the Council's aim of making Renfrewshire a sustainable place to live and work. Charging point would be situated in key business locations as well as working with hospitals and community partners to improve overall coverage.

The Scottish Government's consultation on Low Emission Zones in Scotland has been completed and vehicles that fail to meet standards will be prevented from driving in city centres from 2020. This will be followed by banning vehicles that fail to meet standards from dozens of other designated "air quality management areas" including Paisley Town Centre by 2023. The introduction of these Low Emission Zones could stunt local economic growth, mean huge expense for drivers, with diesel cars most affected and local businesses being significantly affected if public electric vehicle charging facilities are not in place which is seen as an inhibitor for switching to Electric Vehicles. Our Sustainable Travel Project would support Renfrewshire as an attractive place for local businesses to grow and allow inward investment and growth in the local economy due to improved Air Quality Benefits and an improved EV Charging infrastructure.

The Scottish Government aims to phase out petrol and diesel cars by 2032 to encourage drivers to switch to electric and hybrid cars. Renfrewshire Council is seeking to be at the forefront of this initiative, promoting our green ambitions and attractiveness to inward investment and a growth in the local economy.

Energy Ambition (300 words max)

The focus of the fund is supporting energy projects that tackle fuel poverty, are innovative, support low carbon transport and/or low carbon heating of homes and buildings. Please show how your project will achieve some or all of these aims

The Sustainable Travel Project is ambitious in its approach to change our transport fleet but also our staff driving behaviours to low carbon transport.

The promotion of and increased availability of charging points across Renfrewshire will also encourage electric vehicle uptake by the public, which aligns with several Government policies, including its 'Air Quality Strategy'; the 'National Transport Strategy' and the 'Scottish Energy Strategy'. These in turn support the reduction in carbon and air quality emissions through amongst other this the uptake of electric vehicles within the Council fleet.

As part of the Electric Vehicle Charging Hubs, we are looking to install solar panels thereby negating the need to use power from the national grid and making it possible to be self-sufficient in energy to run our electric fleet. Furthermore, our electric fleet will reduce our use of diesel in the region of 850,000 miles per year (equating to 160,000 litres of diesel fuel),

thereby supporting a significant reduction in the Council's carbon footprint and positively contributing to reducing climate change.

The Generation 1 electric vehicles will be returned into the second hand vehicle market for re-use of those that could not initially afford a new electric vehicle.

Learnings from your Project (200 words max)

We'd like the funds to support projects that will give useful information and outcomes that could be applied more widely. This could be things like supporting education, testing new and innovative ideas, clear and replicable learnings and sharing details with others. Please set out the learnings you expect from your project. What data will be available and how could this help others?

The uptake of electric vehicles is still in its infancy in terms of the uptake of electric vehicles nationally. Through significant improvements in the charging network supported by this project, there will be fewer barriers to the public and the Council taking up increasing numbers of electric vehicles. By the Council changing much of its light fleet to electric vehicles, we will be an exemplar of good practice amongst local authorities and local businesses. We are currently working with electric vehicle manufacturers to ensure we match the right vehicles with our requirements and learning about their next technology innovations.

The outcomes and benefits will be realised and reported on through the Project Management Framework along with a Report and Lessons Learned on completion of the project to share our learnings with project team, key partners and all other interested parties.

We will work with our key partners to promote the use of electric vehicles. For example, hosting events during Climate Week Scotland with local vehicle retailers showcasing electric cars and our electric fleet being on display for staff, students and the local community to view and test drive.

Additionality (300 words max)

Only projects that show a clear need for funding can be supported. Why do you need the Green Economy Fund? What would you do if it wasn't available? And why can't you fully fund the project with your own or other resources?

Renfrewshire Council and partners have an ambition to achieve a step change in Sustainable Travel by significantly increasing the number of electric vehicle on our road network and improving Air Quality. We came up short in the UK City of Culture bid for 2021 but our aims remain high to make Renfrewshire an attractive place for people to visit, work and live.

The Green Economy Funding and our own funding contribution will fast track our Council Sustainable Travel Plan and accelerating a 10 year journey into a 2-3 plan and allow the next stage of transformational changing our heavy vehicle fleet to electric technology. Conversely, without external funding, the Council's aim of moving onto an electric fleet, with all the necessary electric vehicle charging infrastructure being available, will be significantly impaired in the short term. It is unlikely that funding we would be available to achieve this in the next 3 to 5 years will be from internal sources due to constrained public finances and

budgetary pressures although we remain committed in our ambition for a transformational change in greener sustainable travel in Renfrewshire.

The Council currently has three Air Quality Management Areas and there is an expectation from the Scottish government that we will work toward achieving compliance with air quality objective levels by 2023. The use of this funding would enable the Council to achieve this goal a lot quicker and thereby be a catalyst to encourage other councils, private individuals and companies to do likewise.

Our 'Sustainable Travel Renfrewshire' project aims to begin the step-change to transform our existing vehicle fleet to electric fleet thereby drastically reducing our use of fossil fuels (diesel/ petrol) by around 850,000 miles per year, equating to 160,000 litres of fuel for 120 Electric Vehicles, on completion of this stage of the project. The Fuel Savings would be used to further our Sustainable Travel Policy with the replacement of more of our existing diesel/petrol vehicle fleet to electric vehicles. Additionally, the Council has recently introduced an electric pool car scheme for 1,100 employees to use their vehicles to undertake the 1.6M business miles annually undertaken, much of which will now be by electric vehicles. The fuel / expense savings realised in a few years would further support our Vehicle Replacement Programme.

Budget and Company Accounts

Please complete a budget for the project which will provide details of staff costs associated with the project, any capital and other costs that you will incur throughout the project.

Please also specify the grant funding requested and any match funding. The template for this is provided [here](#) as a downloadable document.

In addition to this, please also provide the last 2 years audited accounts for your organisation (if available)

Introduction to the Green Economy Fund

The **Green Economy Fund** is a way of SP Energy Networks investing in the communities that we serve to support the Scottish and the UK Government's Energy Ambitions.

SP Energy Networks have committed to voluntarily contribute up to £20m over a two year period to support initiatives that will benefit the people of Scotland and support Scotland's ambitious green energy plans and local economic growth.

The fund will focus on helping our communities invest in low-carbon heating and transport technology, building the infrastructure and the learnings needed for the changes in heating and transport expected over the next decade. The fund will support the Scottish Government's ambitious energy strategy and the UK's drive to a low carbon economy.

This isn't just about green projects; this is about creating and accelerating a green economy.