

Climate Challenge Fund

Final Report Guidance and Template

As well as being a condition of your Climate Challenge Fund (CCF) award, producing a Final Report can also be used to help celebrate the success of the project with your community, help your organisation solidify learning from the delivery of the project and also can help demonstrate the effectiveness of your organisation to funders and other potential stakeholders.

The deadline for your Final Report is given in the Welcome Pack sent out at the start of your project. The final claim for your project will not be paid until we have received your Final Report.

The report must include all section headings in this document, but **feel free to use other layouts and formats to make the report more engaging and relevant to your community**. You may also want to produce hard copies, but you must submit an electronic copy as well. This should be emailed to your Development Officer. When using images please [reduce their file size](#) where possible, and the final document you send to us should have a file size of less than 4 Megabytes.

Your Final Report must include the Greener Scotland and CCF logos.

As mentioned in the Welcome Pack, we may publish your Final Report on the Climate Challenge Fund website. It might also be used within future training sessions.

Please ensure you have the appropriate permission(s) to use any material included in your report, and that you comply with the current Data Protection legislation (Data Protection Act 2018). Some useful information can be found on SCVO's website here: <https://scvo.org.uk/running-your-organisation/legislation/data-protection>

If you have any queries regarding your CCF Final Report, please contact your Development Officer.

Start Your Report HERE

(feel free to use other layouts and formats)

Front Cover Identification Information

Your Final Report must include the following items on the cover:

- CCF Number: CCF-5760
- Organisation Name **PLANT group of Tayport Community Trust**
- Project Name **Tayport Community Garden: Carbon Conversations**
- Funding Period (as dates) **1 April 2018 – 31 March 2020**
- Names of Authors **Kaska Hempel and Jessie Roberts**
- Date the Report was Published / Finalised **12 May 2020**
- Appropriate Logos as per appropriate Branding & Marketing Guidelines

Climate Challenge Fund Grant Recipients must include the Climate Challenge Fund and Greener Scotland logos as per below. Find out more about how to access these logos and branding at

www.keepsotlandbeautiful.org/ccfbranding



You could also include contact details; web site addresses etc.

Starting Point

This section will set the scene - where you started (in your community and in your organisation), what you set out to do and why your community wanted to do this project.

Tayport Community Trust (TCT) was established in 2008 to promote a vibrant and sustainable community. It has around 360 members. The Trust has always had a commitment to care for the environment and its Articles of Association include the following purpose:

To advance environmental protection or improvement including preservation, and conservation of the natural environment, the promotion of sustainable development, the maintenance, improvement or provision of environmental amenities for the Community and/or the preservation of buildings or sites of architectural, historic or other importance to the community; where sustainable development means development which meets the needs of the present without compromising the ability of future generations to meet their own needs.

PLANT was established in 2011 as a fully constituted sub-group of TCT. It currently has 197 on the volunteer database, with regular volunteers around 50. Its specific overall purpose was to 'establish

projects involving growing food and flowers, while enhancing Tayport's natural environment'. PLANT's two major projects are Tayport Fruit Tree Walk and Tayport Community Garden. Both are practical examples of commitment to address climate change, through offering the community opportunities to grow food together and care for the environment. Within these projects, we have developed a large range of environmental activities, related to learning about and addressing climate change, and bringing an increasing number of local people together to reduce their carbon footprints. Tayport Community Garden was established in 2016 with the support of CCF.

Much of this work had previously been associated with food growing and use. Our Carbon Conversations project took our commitment to reducing carbon emissions into new areas and with a different approach, bringing individual residents together to share environmental concerns, learn more about climate change and tackle their carbon footprints. The Conversations covered not only food but also home energy, travel and general consumption. The groups attracted both people who had volunteered with PLANT before, but also others who were new to our activities. The starting points of individual participants varied, but the overall commitment to reducing carbon emissions was shared.

Both Tayport Community Trust and PLANT have carried out extensive consultations over the past few years. Climate change increasingly features as a concern.

In order to set up our Carbon Conversations Project, 3 PLANT members undertook training in facilitation by Surefoot. A further member of staff was also trained at a later point. They then facilitated the series of sessions over the course of the project, as well as a wide range of related community activities. This training and experience gave us the capacity to deliver CC training to more groups and to provide the climate context to our concurrently funded Big Lottery project at Tayport Community Garden, as well as plan the further development of our work for 2020-2022.

Headline achievements

Carbon Conversations Workshops: Between Autumn 2018 and 2019 we delivered Carbon Conversation workshops to 5 groups of 40 individuals from 35 households, exceeding our target of 30 participants. They tackled their household carbon footprints from home energy, travel, diet and consumption & waste. Within only one year, CC participants cut their household carbon footprint by **62 tCO₂e**, amounting to lifetime savings of 195t CO₂e.

Climate Literacy Activities: In addition, we engaged 1173 local residents of all ages through a range of face-to-face activities focused on climate literacy and action, including primary school sessions at Tayport Community Garden, interactive stalls at events, competitions, government consultations and celebrations. At least 70% of interactions with these individuals were high quality learning and creative activities and contributions from participants.

Blog and media: Our PLANT blog (<https://tayportgarden.org/blog/>) has continued to provide a vibrant online presence for the project, reaching audiences well beyond Tayport with inspiring stories showcasing community voices from CC participants and others taking action on climate change in the community. Blog posts published over the two years included contributions from volunteer bloggers, primary school children, and CC competition entrants, as well as YouTube films (<https://www.youtube.com/channel/UCeliIWIMnz2X9HnJr-pzHIA>), podcasts (<https://open.spotify.com/show/2EYrprTA8psfBoRhTYIdC9>) and online books. These attracted over 2230 visits over two years.

On Facebook, 30 posts with Cheery Climate news had exposure of nearly 9900, and over 821 reactions (<http://www.facebook.com/plantgroup>)

Digital trail: Almost completed, the trail capitalised on the skills and collaboration developed through SCCAN's Future Voices by using podcast and audio materials to create stories about 'green' projects PLANT and the local community have been involved over the last few years. Climate change and biodiversity information was incorporated in each of the stories. The trail and podcast will be built upon in the current CCF Tayport GROWS project.

Tayport Primary School visits and activity pack: We supported 16 Primary School visits to the Community Garden with 461 students and 79 adults attending. Each 1 hour session included 10-15 minute slot covering climate literacy topics in an age-appropriate manner: role of plants in carbon cycle and fixing energy from the Sun, effect of climate change on plants and pollinators, climate crisis solutions, impact of travel choices on personal carbon footprints, things children and families can do to help the planet, source of fossil fuels and biofuels. This was delivered through a range of activities, including storytelling, board games, use of iPad apps to explore nature, scavenger hunts, as well as getting creative through story illustrations, carbon footprint pledges, designing posters and movie-making.

2019 Climate Hero Award: We were very proud when, based on her contributions to PLANT's community blog (<https://tayportgarden.org/author/kathleenm/>), one of our volunteer bloggers, Kathleen Gray was awarded 2019 CCF Climate Hero award in Climate Conversations category: <https://www.keepsotlandbeautiful.org/sustainability-climate-change/climate-challenge-fund/ccf-gathering-and-awards/ccf-awards/climate-conversation-heroes/>

She also very eloquently talked about her experience at the 2019 CCF Gathering: <https://youtu.be/Iedriv85vdw?t=1022>

Outcomes

OUTCOME 1: Reduce CO₂e emissions in the households of Carbon Conversation participants in Tayport by 40.3T annually, with Lifetime savings of 301.8T

Status: Outcome met or exceeded





Between Autumn 2018 and 2019 we delivered Carbon Conversation workshops to 5 groups of 40 individuals from 35 households, exceeding our target of 30 participants. Each Carbon Conversation group attended 5, 2-hour workshops addressing household carbon footprints from home energy, travel, diet, consumption and waste, followed by a more informal reunion session.



We trained 4 CC facilitators, including one volunteer and 3 staff, which enabled each workshop to be co-facilitated by two members of the CC Team.

Within only one year, CC participants cut their household carbon footprint by 62 tCO₂e, amounting to lifetime savings of 195t CO₂e. This carbon emission reductions were achieved through improvements in their home's energy efficiency (16 t CO₂e), and switching to lower carbon diet (1 t CO₂e) and travel (45.4 t CO₂e). Detailed estimates based on pre- and post- workshop surveys for each of the three measured outcomes can be found in the attached Carbon Reporter (between 38 and 65% participants responded to both surveys).

Carbon emission reductions accounted for 65% of the target identified at funding application stage, using estimates from CCF Carbon calculator.

Summary of estimated savings to date

Project theme	Project savings (tCO ₂ e)	Lifetime savings (tCO ₂ e over expected lifetime)
Energy Efficiency	16.0	47.9
Community Buildings		
Food	1.0	2.0
Travel	45.4	145.0
Waste		
Total	62	195

In addition to quantitative data, we also asked CC participants to identify actions they have been taking and planning to take from the action lists in the Carbon Conversation materials relating to home energy, diet and travel. As they were easier to fill in, the response rate to these questionnaires was higher and provided a useful corroboration of the quantitative data from the smaller sample of participants (**CCF_5760_Summary of Carbon Conversation Actions ALLGROUPS.docx**). This qualitative data confirms that participants have been inspired to take many actions by Carbon Conversations, and that they have some ambitious plans for the future (e.g. installation of renewables, moving house, growing their own food, quitting flights and investing in electric bikes).

Home energy. 16 t CO₂e savings in this category constituted 18% of our original prediction. Re-examination of our targets as calculated through CCF Carbon tool in our original application showed that those were inflated by mistakenly including large gains from installation of renewable electricity and heat generation by individual householders. This was caused by our inexperience in using the CCF Carbon Tool. Once these were removed the target estimate is 7.9t of CO₂e, and our savings due to household reduction of energy consumption clearly doubled that number.

Additionally, at least 6 of the participants switched to green energy suppliers. Several of participants also reported intention to install renewables.

“Home energy scotland visit: will install combination hot water/electricity solar panels”

“I have put my house on the market in order to downsize.” [NOTE: This person sold her house to reduce their energy consumption]

Have changed to 100% renewable energy supplier for gas and electric

have had assessment for heat exchange pump system and await response

got Energy Performance Certificate and will take action on some items when lockdown lifted

However, some were unable to make changes:

Due to the cost of many of these changes they are future plans

Several reported that they investigated renewable installations in the past and their properties were unsuitable.

Diet. Savings from the diet account for 13% of the original target. This was likely due to many of our participants already making low carbon choices, eating low meat, local and seasonal diet and trying to avoid packaging. This means adjustments in their attitudes and behaviours relating to food were of smaller magnitude than assumptions used in CCF Carbon Tool, and they would have been difficult to capture by a simple attitudes and behaviours questionnaire. People also reported limits to their

behavioural changes imposed by their dietary requirements or prevalence of food packaging in the food retail system.

At the same time, our additional questions about Carbon Conversation actions have shown that every participant either already took action or is planning to take action to further decrease their diet's carbon footprint, e.g. reduce dairy, exclude air-freighted items or buy fewer frozen and processed goods.

Given up rice - focussing on potatoes in diet. Vegetarian predominantly with occasional slips. Moving family away from beef/lamb towards chicken. Trying to give children 1 vegetarian meal a week.

talking to children about what we are eating and why

Planning to make children's pack lunch contents much more carbon saving

Already vegetarian and my plan is to remove dairy from my diet and to prepare only locally grown food.

Pay more attention to carbon intensive ingredients and try to understand the greater complexities around food production such as palm oil politics.

I would like to cook for friends and share meals more often, cooking vegetarian and vegan food - it would reduce my carbon footprint but increase my wellbeing and hopefully have some influence on the diets in my closest circle!

Eating something homegrown/harvested locally by me every day (may be frozen or dried as well as fresh)

Travel. This makes for 736% of the expected lifetime savings, and comes largely from reduction on distance travelled, in addition to increase in walking and cycling, switching from car to bus for local travel, lift-sharing, combining trips and reduction in flights. While the high saving estimate could be due to a heterogeneous nature of our cohort, with many participants having non-routine travel patterns we were satisfied that qualitative responses to Carbon Conversation actions supported the quantitative travel diary data. All participants reported taking at least some steps to reduce their travel carbon footprint (CCF_5760_Summary of Carbon Conversation Actions ALLGROUPS.docx).

I think that it is not so much about the changes that we have made but about the fact that now I think about every single journey that we make

Planning to get an ebike to replace some of my car journeys.

I combine journeys. Particularly if taking the car out I will try and be doing more than one task in the one journey (rather than making two or three) so will plan and 'save' tasks to enable this to happen

I am investigating special rail deals for weekend breaks

We were particularly impressed with commitment people made to avoid flights, as this is often considered to be a hard behaviour to shift. A number of participants had already stopped flying before joining CC but we had at least 12 people declaring fewer flights since completing CC workshops, with 6 providing quantitative data for inclusion in the CCF carbon tool calculations

(CCF_5760_TravelFlightsWorkingOut.xlsx).

I made a cycling trip to France in the fall to visit the invasion beaches in Normandy (75th after my father was there in the Canadian army). I took the train to Portsmouth and the ferry over night to Caen. The option was to fly to Paris and then the train to Caen.

Carbon conversations had a profound impact on my flying/travel habits, to the extent that I signed up to the pledge to not fly for a year. CC made me examine my travelling habits and supported me in making this decision. Usually, I would have 2 holidays per year in Europe. Previously, I had flown from Edinburgh to Verona for a cycling holiday and Edinburgh to Strasbourg for winter walking and skiing. I chose instead to visit the Island of Skye in the last week of September. I chose to stay in an eco-cottage with a wood burning stove; triple glazing etc, sheep wool insulation and furnished with local products. eg, curtains were from weavers in next village. I went in a small, petrol driven car with my husband and most of the provisions for a week. There really was no feasible way to there by public transport. Once we got to our destination we rarely went in the car again as there was plenty of walks and fine weather to keep us close to the cottage.

Last summer I flew to Cork but took the boat back from Dublin to Holyhead, and then the train to Scotland. Our son lives in North Wales so it was convenient to break the journey there. I will do this in future, possibly both ways.

The commitment is long lasting as a couple of people reported plans for low carbon holidays this year which were unfortunately disrupted by COVID-19 lockdown:

I did not change a decision to fly between the course ending and January 2020. However, during that period decisions for 2020 holidays were affected by discussions on the course. In 2019 [my wife] and I had gone to courses in Morocco and Italy which were part of our holiday plans. We could have gone to both this year but decided not to do so. In both cases it would not be true to say that we did not go solely because we did not wish to fly. There were other factors particularly in both cases the accommodation and, in the case of Morocco, disenchantment with the atmosphere and culture. Nevertheless, the desire to reduce flying was a factor. The third case was clearer. For the past three years we have enjoyed holidays in Croatia also associated with courses. Here we had decided not to go because there was no alternative to flying.

I had planned to do a walking tour with my brother in southern France last week, but that obviously didn't happen. The plan there was to take the train to London and then the Eurostar to Paris and further by the TGV to Bordeaux.

We enjoyed taking a train to Europe last year and were planning to do this again this summer. We were also looking forward to spending more time in Scotland instead of taking holidays further afield.

There was also some frustration on the lack of public transport options and cost of alternatives to flying:

I am already doing as much as I can because I work from home. There is no public transport to the Highlands.

I have used bus more especially now i have a bus pass but links don't come out from my village. I drive and leave the car in park and ride instead.

For me to give up flying trains would have to be cheaper – flight from Edi to London is £70 but train can be over £200.

Further evidence of behavioural transformations towards lower carbon lifestyles in CC participants comes from them sharing experiences and reflections through our blogs and podcast interviews.

We were very proud when, based on her contributions to PLANT's community blog (<https://tayportgarden.org/author/kathleenm/>), Kathleen Gray was awarded 2019 CCF Climate Hero award in Climate Conversations category: <https://www.keepsotlandbeautiful.org/sustainability-climate-change/climate-challenge-fund/ccf-gathering-and-awards/ccf-awards/climate-conversation-heroes/>

She also very eloquently talked about her experience at the 2019 CCF Gathering: <https://youtu.be/ledriv85vdw?t=1022>



A podcast recording of CC participant discussion (<https://anchor.fm/plant-tayport-community-garden/episodes/Climate-and-cake---a-recipe-for-saving-the-planet-e9468n>) was included in the *Climate Reflections: Human stories of hope and fear* exhibit as a part of contribution from SCCAN's Future Voices project. <https://www.edinburghnews.scotsman.com/news/multimedia-exhibition-leith-tell-human-stories-climate-change-920282>. This and other audio recordings with CC participants are included in the digital audio trail (see below).

OUTCOME 2: Increase the number of local people of all ages and abilities directly involved in learning about climate change and the natural environment, and in taking action to reduce Tayport's carbon footprint. PLANT aims to engage 50 participants per year over 2 years, in taster sessions on carbon footprint reduction and climate awareness and to involve at least a further 500 per year via our Climate Conversations Garden Trail and online resources.

Status: Partially delivered

In addition to the in-depth Carbon Conversation workshops, we engaged 1173 local residents of all ages through a range of face-to-face activities focused on climate literacy and action, including primary school sessions at Tayport Community Garden, interactive stalls at events, competitions, government consultations and celebrations. At least 70% of interactions with these individuals were high quality learning and creative activities and contributions from participants (see below).

From 1/4/2019-31/3/2020, we had 1810 visits from visitors, customers and volunteers at the Community Garden. While this will of course include repeat visits, it means that a large number of people were able to see our CC display board at the Community Garden polytunnel, and a permanent display of the protest sign competition entries from Springfest event in 2019. Exact figures for 2018-2019 are not available.

Our PLANT blog (<https://tayportgarden.org/blog/>) has continued to provide a vibrant online presence for the project, reaching audiences well beyond Tayport with inspiring stories showcasing community voices from CC participants and others taking action on climate change in the community. The majority of blog posts (40/45) published over the two years, included contributions from volunteer bloggers, primary school children, and CC competition entrants. They included YouTube films (<https://www.youtube.com/channel/UCelilWIMnz2X9HnJr-pzHIA>), podcasts (<https://open.spotify.com/show/2EYrprTA8psfBoRhTYIdC9>) and online books. These attracted over 2230 visits over two years.

On Facebook, 30 posts with Cheery Climate news had exposure of nearly 9900, and over 821 reactions (<http://www.facebook.com/plantgroup>).

We have also almost completed development of our school activity pack and online audio trail, which has been partially published via our podcast feed.

More details on the activities and numbers are provided in the section below.

We have decided not to implement formal cc taster sessions as we found that informal engagement provided the best means of reaching widest number of people, often allowing to delve into climate literacy topics in depth through individual discussion and provided a good means of CC awareness raising and recruitment. We also found that recruitment, delivery and monitoring of CC was more labour intensive than predicted, leaving no time for the Project Lead to deliver formal taster sessions.

OUTCOME 3. Collaboration with Scottish Communities Climate Action Network's Future Voices project, boosting storytelling ability of PLANT and other climate action project in Scotland.

Status: Unexpected

Project Lead was trained in podcasting as a part of SCCAN's Future Voices participative project in 2018 (<https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=2ahUKEwj5jY23hprpAhWuZxUIHZPDAQ4QFjAAegQIAhAB&url=https%3A%2F%2Fwww.scottishcommunitiescan.org.uk%2Ffuture-voices%2F&usg=AOvVaw1hwfGErrMEPNMkyQvbcYYR>), and subsequently co-facilitated 2 similar workshops with Philip Revell at Transition University St Andrews, and Friends of the Earth Edinburgh. One of our stories featured in Climate Reflection exhibition (see above). As a result of the training Project Lead set up PLANT's podcast channel and audio stories produced by the Lead have been used to create the digital Carbon Conversation walking trail in Tayport. We also have one local volunteer who's helped with recording of the stories and one experienced sound editor who has volunteered his time to the project. Other community storytellers have also expressed an interest in contributing to audio-based storytelling. We are now developing this project and our collaboration with SCCAN over the next 2 years of CCF funding.

Activities and Climate Literacy

Carbon Conversation workshops were delivered to 5 groups of 40 participants, totalling in 29, 2hour sessions, supported by 4 trained facilitators. These sessions provided in-depth exploration of household and individual carbon footprints relating to home energy, travel, diet, consumption and waste. They focused on creating a positive personal vision of low carbon future and facilitating personal action by exploring emotional, societal and emotional barriers to change and setting realistic targets.

The workshops received high praise from the participants, with 100% of evaluation survey respondents saying that they would recommend the workshops to their friends and family (CCEvaluationAutumnALL.zip). People enjoyed the diverse components of the workshops and were complimentary about the facilitation. It was particularly clear that the group-work aspect of the course provided much satisfaction:

Games, activities and sections in the book from which I learned about relative carbon footprint of different foods, transport, stuff etc. Learning about other peoples' attitudes and what they do to reduce their carbon footprint.

Other people striving towards the same goal felt less isolating in the journey towards net zero carbon emissions.

If I hadn't been part of a Carbon Conversation group I wouldn't have covered the ground on my own.

The games were great, and I valued the diverse group, not least that everyone had a different perspective.

Just to be chatting to other people and finding out how they used their gas, electricity etc. was an inspiration.

I found it useful that we were all doing it as a group instead of individually.

General group discussion was the best bit because it was not so dry and academic as the rest of it.

The quantitative surveys clearly showed effective behaviour change among CC participants (see above). CC evaluation questionnaires also showed that majority of participants in addition to increased awareness, knowledge and action, thought they had more confidence in making low carbon decisions and in talking to others. (for summary of CC evaluations see **CCEvaluationAutumnALL.zip**).



To celebrate everyone's carbon cutting achievements, early in 2020 we run a **Carbon Conversation Carnival** which was open to CC participants and local residents, and was attended by 35 people of all ages. The event coincided with the #ShowTheLove campaign week by Climate Coalition, We shared food, carbon cutting tips, low carbon Tayport visions of 2030, and environmental stories in a book corner provided by the local public library. Participants also made an upcycled bunting with climate pledges and wrote postcards to the local MP to put climate change on her agenda.

This is the best event PLANT's ever put on.

I really enjoyed reading PLANT Kitchen and Tayport Going Green For Holidays stories.



In addition to CC workshops, in September 2019 we facilitated **Big Climate Conversation**, attended by 9 local residents, in order to contribute to the Scottish Government consultation on Climate policy ([TheBigClimateConversationscommunityconversationfeedbackformTayportPLANT.docx](#))

Tayport Primary School visits and activity pack.

We supported 16 Primary School visits to the Community Garden with 461 students and 79 adults attending. Each 1 hour session included 10-15 minute slot covering climate literacy topics in an age-appropriate manner: role of plants in carbon cycle and fixing energy from the Sun, effect of climate change on plants and pollinators, climate crisis solutions, impact of travel choices on personal carbon footprints, things children and families can do to help the planet, source of fossil fuels and biofuels. This was delivered through a range of activities, including storytelling, board games, use of iPad apps to explore nature, scavenger hunts, as well as getting creative through story illustrations, carbon footprint pledges, designing posters and movie-making.



Energy seed farmer story on Biofuels: <https://tayportgarden.org/2018/06/29/talking-about-carbon-with-tayport-primary/>

Fern Fossil story on origin of fossil fuels (primary students + Earth Explorers summer club):
<https://tayportgarden.org/2018/08/01/talking-about-carbon-with-earth-explorers/>

We now have a selection of tried and tested activities and outputs which can be used with future primary student cohorts, and are easily customisable to curriculum requirements and levels. Unfortunately, we were unable to put these together in a ready-made activity pack for teachers due to factors beyond our control. Last year our main volunteer liaison with the School had to step away from the project for over a year and Community Garden was unable to secure a placement from Primary Education/CLD student to help with this component of the project. We will complete the development of the climate literacy activity pack for primary school teachers and families as a part of our CCF Funded Tayport GROWS project.

CC project was part of many **events** organised by PLANT and Tayport Community Trust, St Andrews University Transition and Tayport community. CC stall provided information on CC workshops and climate change and was usually supported by Project Lead and 1-2 volunteers. We also invited St Andrews Environmental Network to two of PLANT events with their Cosy Kingdom stall, and they reported high levels of interest and sign ups for home energy visits.

We focused on making the experience interactive and developed activities which included reading corner for adults and children, climate literacy quizzes, personal carbon footprint estimations using web-based WWF Carbon Calculator, creative low carbon pledge-making, and competitions.

We were particularly impressed with engagement through the CC competitions we run through the events and online (summary in **CCF_5760_ParticipationStats24Apr2020.xlsx**). They always attracted a good number of participants (20-30), provided an entertaining way of covering serious topics, and produced creative and long-lasting outputs we can use in our future work:



- Carbon footprint quiz, spring 2018 highlighting carbon footprints generated by different individual activities
- Jolly Green Christmas Display and Quiz, winter 2018-19, focusing on climate impact of Christmas and consumption, including travel, food, energy, waste and excessive gifts. Entrants also made

Christmas tree decorations with greener christmas tips which were displayed at the Garden (<https://tayportgarden.org/2018/12/17/w e-wish-you-a-jolly-green-christmas/>)

- Climate protest sign design competition, spring 2019 – highlighting planned changes in UK and Scottish Climate legislation and role of school strikes and other civic action in putting pressure on the government. Entries on display in the polytunnel over the following year.
- Tayport PLANT Kitchen vegetarian and vegan recipes, Spring 2019 – highlighting impact of diet with focus on animal products: <https://tayportgarden.org/2019/04/16/tayport-plant-kitchen-cookbook-a-green-and-tasty-inspiration/>
- Tayport Goes Green 4 Holidays, Summer 2019, highlighting low carbon travel choices and impact of flying and cruises. https://www.canva.com/design/DADo7JCdPIE/640DbQopkDni3zujM3-l4Q/view?utm_content=DADo7JCdPIE&utm_campaign=designshare&utm_medium=link&utm_source=publishsharelink

Digital trail. This is almost completed. In working on the trail we capitalised on the skills and collaboration developed through SCCAN's Future Voices (see above) by using podcast and audio materials to create stories about 'green' projects PLANT and local community's been involved over the last few years. Climate change and biodiversity information was incorporated in each of the stories. The trail and podcast will be built upon in the current CCF Tayport GROWS project. Progress to date:

- 5 audio stories published through podcast and website.
- Set up izi.travel audio tour and uploaded images/text/audio for 5/7 stops/stations/points of interest: <https://izi.travel/browse/6c359ab9-2c15-49e6-9b74-371baee5d5cf/en>
- Finish 2 more stories and an introduction to complete the trail.
- Volunteer engagement: 1x professional audio editor and 1x volunteer recording interviews.

Delays in development of the trail were caused by the Project Lead having to tackle transfer/redevelopment of stand-alone PLANT website within the new Tayport Community Trust website, especially early this year.

We planned the launch of the trail for the Larick Centre opening weekend celebrations 27-29 March but this event has been cancelled due to Covid-19.

Online climate stories and visitors: PLANT has always invested in creating vibrant online presence and community-centred storytelling, and this project has successfully capitalised on this over the last couple of years to drive peer-based normalisation of discussions on climate emergency and individual actions being taken in the community (see above).

Impact of corona-19 lockdown

At least 3 Primary School visits planned for March were cancelled after lockdown, decreasing number of students/sessions delivered.

Tayport's Larick Community Centre opening celebrations planned for 27-29 March was cancelled. This is a lost and unique opportunity to reach a wide local audience through number of CC activities we had planned: 2040 movie screening (expected 50 attendees), Climate and Cake CC taster session (expected 8 attendees), stall with activities for all ages (expected 100 people), launch of our Tayport for the Planet and the People audio trail. This has affected some of our numbers in the last CCF funding cycle but is also likely to have a significant impact on recruitment for Carbon Conversation workshop programme going forward.

Successes

We were very impressed with interest in Carbon Conversations and level of commitment to low carbon lifestyles from our participants. They not only made many small easy adjustments to their lifestyles but also committed to major changes such as downsizing of homes, installing heat pumps and solar panels, and giving up flying.

It was particularly good to see members of neighbouring communities taking interest in CC programme and talking about implementing it locally. We hope to continue developing these relationships and helping with their work.

Kathleen Gray's Climate Hero CCF Volunteer Award reflecting her passion and commitment to making changes herself and normalising climate conversations and action within wider Tayport community.

Linking up with SCCAN's Future Voices project has boosted our ability to tell climate stories in a compelling fashion and link into a wider audiences nation-wide. The PLANT Voices podcast and Green Tayport audio trail are bound to become another valuable and continuously developed community asset, next to our blog and gardening video channel on YouTube.

We found that engaging people through creative competitions and celebratory events such as Carbon Conversation Carnival was a powerful and positive way to start in-depth conversations about climate emergency and action. Many of these also produced lovely outputs, online and offline, such as recipe and story books, which will be an asset in our future activities, further normalising climate concerns within the community.

Over the last 3 years, delivery of CCF-funded CC project was embedded within wider PLANT activity, funded by Big Lottery. Working within the wider portfolio of projects enabled CC programme to have a more pronounced effect across the community by sharing resources, co-organising events and bringing people together informally at Tayport Community Garden. We are hoping that further CCF funding will allow PLANT to work in a similar partnership with Larick Centre, further embedding climate messaging and action across TCT activities.

Challenges

Estimates of CC participants' emission savings

Use of the CCF Carbon Tool to estimate CC impact. We became aware that we used CCF tool incorrectly for estimates of savings from Home energy efficiency. We took the lessons learned into the account when developing our current project proposal. Our savings from travel seemed very high compared to the initial estimate – we will try to work on our data collection to make sure only routine travel is captured by the participant diaries in the future.

Time consuming nature of the pre- and post-workshop surveys. We tried a number of formats and strategies for these surveys and found that none of them reduced work required to gather sufficient response. This has been taken into account when planning for Tayport Grows. We may also reduce number of participants we survey after the workshops finished to reduce the workload and survey fatigue further.

Over-surveying. Originally we planned to conduct another project survey of all CC participants to record savings at the end of the project in February 2020. We decided against this as we have seen sufficient evidence of change in earlier surveys and because it was apparent that oversurveying was creating disengagement with the project and was very time-consuming for the Project Lead. Instead of planned 3 surveys we only implemented 2 due to time constraints on the participants and Project Lead. One before the workshops and one at least 2 months after. This showed significant changes. We also captured information about intentions for future action which showed continued commitment to cut household carbon footprint, including big changes which need investment and time to put in place. We plan to continue with reduced number of surveys going forward so as not to turn people off continuous involvement in the project.

Staffing

Originally we assumed that our Volunteer Coordinator will be able to help deliver the CC workshops without the need for additional funding and was trained up accordingly. This was unrealistic due to VC workload and staff turnover in the position. Thankfully, we were able to reassign unspent monies within the project to a sessional worker to help with further training and the workshops. We have now included appropriate levels of contract and sessional staff in our next project to explicitly support CC programme. We also plan to use more volunteers to recruit and deliver taster sessions based on Climate 4 Change hosted model.

Over the last year Tayport Community Trust has been developing a new website to incorporate all of their projects under one umbrella in preparation to opening the new Larick Centre. As a result, PLANT website and blog was required to move and be rebuilt within the new environment which required substantial and unexpected time commitment from the Project Lead.

Finance & Administration

Administration and management:

PLANT's administrative structure remains unchanged. As a sub-group of Tayport Community Trust, we have our own committee. This now comprises 12 people. Until the lockdown, the Committee was meeting every two months. We have established a pattern of staff meetings when our three staff members meet with PLANT's Chair and Administrator in the intervening months. Staff can also attend committee meetings, and our Blog and Carbon Conversations Co-ordinator usually does so. However there is much more frequent informal contact in between these meetings, including with other members of the Committee who are involved in different aspects of the Garden and its various projects.

Since the lockdown, we have been meeting online, set up by our Blog and Carbon Conversations Co-ordinator. Staff meetings have been taking place each week, with the Committee joining staff every fortnight. The meetings work well, and the new medium allows us to learn new approaches.

During the first year of the grant, very sadly the husband of our Chair Margaret Robertson died. One of the Committee members, Kathleen Brown, stepped in as Acting Chair, and did sterling work, in particular with surveys and preparation for the new CCF funding application. Kathleen has now moved out to the area and Margaret has now returned as Chair.

Staff:

Our volunteer co-ordinator post also changed hands. Jenny Glen left to take up a teaching post in Community Education at Dundee University in Sept 2018, and was replaced in late October 2018 by Ali Butler. This impacted on our Carbon Conversations project as Jenny was one of our three trained facilitators. However, CCF kindly agreed to reprofiling funds from our Hall hire and Teaching materials budgets. We had saved funds in both these budgets, using a facilitator's home for training and CC sessions, and through a generous donation of teaching materials and games. The money was used to train a former CC participant as a facilitator, and then pay her on a sessional basis to help run further CC groups.

Financial management

Our Administrator now works with June Pate, a volunteer, who is a retired finance administrator at Tayport's biggest employer, Scot and Fyfe. June now manages payment of invoices, petty cash, and financial record-keeping, and is a wonderful asset.

Financial adjustments

As noted above, money was reprofiled to support sessional staff payments for our CC programme. The programme has been extremely successful, and there were further reprofiling requests to support further sessional staff work for more sessions, and also to purchase more teaching materials in Year 2, which were granted. It is not always easy to anticipate where spending will be needed, but CCF have been very supportive and flexible in allowing these adjustments as needs changed.

Other administrative issues

Finally we got our 25 year lease from Fife Council! It was signed in October 2019. This replaced the rolling shorter term lease, which had been put in place as a stop gap.

We also received Planning permission for our new polycrub, which will significantly increase indoor growing and teaching space in the Garden and prolong the growing season.. The polycrub components have arrived, and await the end of the lockdown to allow us to construct it. It was paid for by a most generous donation by the widow of a former Board members of Tayport Community Trust, in memory of her husband.

Sustainable Legacy

Strength and experience of this project has enabled us to successfully apply for CCF funding to deliver Tayport GROWS project, maintaining PLANT continuity and commitment to climate action based on CCF funding received prior to 2017.

Carbon Conversation participants have gained knowledge and understating of climate change and action and showed commitment to future behaviour change as well as communicating climate literacy to others.

Three members of PLANT Committee completed Carbon Conversation workshops contributing to increased climate literacy within the organisation.

Blog, podcast, digital audio trail and YouTube channels have continued our tradition of creating a lasting digital archive of community and individual action on climate change, as well as practical and local tips. Community storytellers have continued to develop their confidence and skills in sharing their stories in a variety of digital formats.

Supporting information

For photos and links to digital outputs see above

Carbon reporter: **CCF_5760_Carbon Reporter_April_2020FLIGHTS.xlsm**

CC participant flight reduction data summary: **CCF_5760_TravelFlighsWorkingOut.xlsx**

Summary of climate friendly actions from CC groups: **CCF_5760_Summary of Carbon Conversation Actions ALLGROUPS.docx**

CC Group Workshop Evaluations: **CCEvaluationAutumnALL.zip**

Input into Big Climate Conversation consultation:

CCF_5760_TheBigClimateConversationscommunityconversationfeedbackformTayportPLANT.docx

Participation statistics: **CCF_5760_ParticipationStats24Apr2020.xlsx**

Activities Grid

Please fill in only those activities which relate to your project. These figures enable us to get an understanding of some of the overall impacts of the CCF.

If you use a different format for your report, please make sure to send this Activities Grid as a separate supporting document.

How many training courses* did your project deliver? <i>*courses meaning a program where participants are taken through a progression of skills over 2 or more sessions.</i>	5
How many events did your project hold? For example, open days, drop in information sessions or workshops.	31
How many events held by other organisation did you participate in? Please include collaboration events here also.	4
How many staff, volunteers or community members have achieved qualifications through the project – e.g. City & Guilds Energy Awareness, Trail Cycle Leader, Food Handling etc.	NA
How many people were directly employed by your project. Tell us the full-time equivalent (FTE) number of employees (e.g. 3 days per week = 0.6 FTE).	0.29
How many sessional staff members were employed throughout the project? This should not include the number of employees directly employed above.	1
Has the project supported the development of any long-term jobs which are not dependent of CCF Funding. If so, how many?	NA
How many people are actively involved in your project – attending events and participating in workshops etc.?	1216
How many people volunteer their time and energy to keeping the project going – don't forget the members of your management committee or board?	35
How many volunteer hours have been recorded to support your project?	350
How many schools are involved in your project?	2
How many Climate Conversations did you run with your community? (Please note: this refers to a specific tool developed by the Scottish Government)	1
How many households have received Home Energy Efficiency Checks as part of your project?	NA
How many households have been referred to Home Energy Scotland for further action?	35
How many people have been referred on to other support agencies or providers for further action?	50
How many square metres (m²) of community growing space (allotments, poly-tunnels, raised beds, community gardens) has your project brought into use?	NA

How many households have **started growing food or composting at home** with the support of your project?

NA