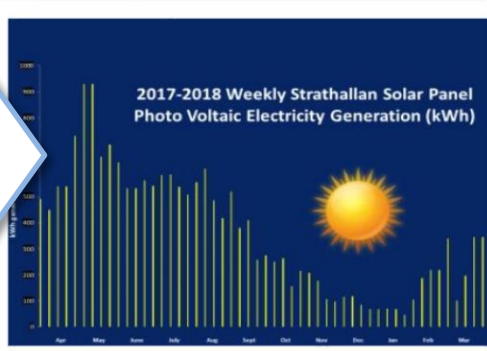


Solar PV Electricity Generation

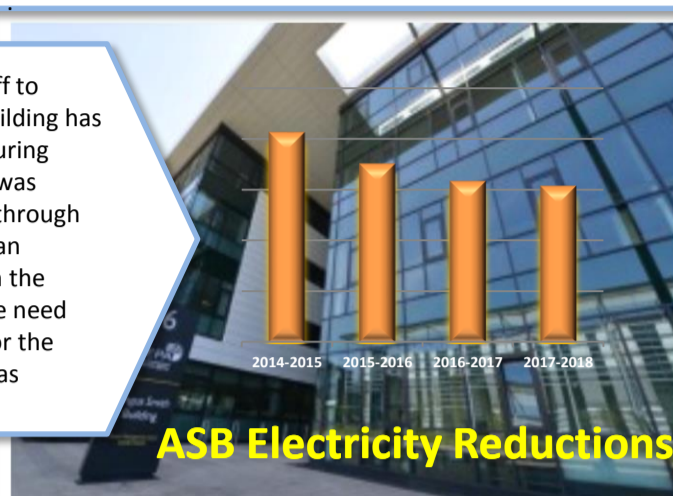
During 2017-2018 our solar photo voltaic panels at Aberdeen, Angus Smith, Glasgow and Stirling generated 35,562 kWh of electricity between them. This is as much electricity as consumed by our Fraserburgh and Fort William offices combined and also prevented 12.5 tonnes of CO₂e SEPA would have been responsible for emitting.



Aberdeen Energy Savings

SEPA improved the controls and increased the maintenance of the biomass wood pellet boiler at Inverdee House during 2017-2018. These actions increased its reliability even during a longer and cold winter; and prevented the use of gas to heat the building to save 28,500 kWh of gas or 5.2 tonnes of CO₂e emissions compared to the year before.

Continuing work by our facilities and Green Network staff to optimise the energy consumption at our Angus Smith Building has produced a further saving of 46,000 kWh of electricity during 2017-2018 and gas by 7,500 kWh. The electricity saving was achieved mostly by closer scrutiny of equipment left on through day-to-day monitoring. The reductions are equivalent to an emissions saving of more than 19 tonnes of CO₂e. Given the extremely long and harsh winter we experienced and the need for more heating fuel; this reduction bucked the trend for the estate generally and is the third year in a row that ASB has reduced electricity consumption.



Hydrogen Fuel Cell Car

SEPA took delivery of a hydrogen fuel cell vehicle at our Aberdeen office at the end of 2016-2017. During its first full year the car was driven 8,000 miles with no emissions at point of use apart from water. Overall greenhouse gas emissions were 860 kg for last year, a third of what an equivalent petrol fuelled car would have emitted.

We have now been resident in Silvan House for more than a full financial year and can identify the significant energy and emission savings this building migration has made. For 2017-2018 we continued to reduce our consumption against our old building by a further 24,500 kWh of electricity and 184,000 kWh of gas in comparison to the previous year. This is a saving of 74 tonnes of CO₂e or 3% of our total 2017-2018 emissions.

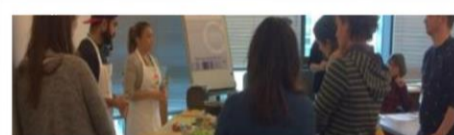


Energy Savings from Edinburgh office migration

Volunteering, Waste, Biodiversity and Education



Staff at **Stirling** held a 'Swish' clothes swap event that allowed old clothes to find new homes.



Food Workshop. Staff from the Woodlands Community delivered a food workshop to share greater awareness of the impacts of the food chain at our **ASB** building.



During **Bike Week** 2018 staff at our **Stirling** office had the opportunity to try an electric bike.



SEPA volunteers at **Glenrothes** participated in a local litter pick.



Stirling staff asked our lunch supplier to send carafes and glasses to meetings, instead of bottled water.



Elgin – volunteers made a couple of raised bed and staff donated vegetables and flowers to plant.

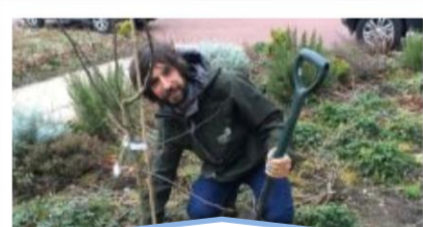


Electric vehicle training was popular at ASB
 "This has de-mystified the electric car for me and encouraged me in the direction of getting one. I found the car great to drive, once I got used to right-leg-only control, and the instruction was excellent. I hope Dougie has recovered from my hard braking!"



Elgin – volunteers also dug a new wildflower patch and fenced it with recycled wood.

Outreach SEPA staff volunteers joined others to help the ranger plant trees in Black Spout Wood, Perthshire

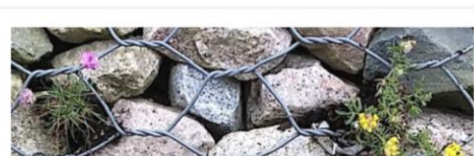


Earth Hour
 SEPA staff at many locations planted fruit trees in their office grounds to mark earth hour on 24th of March

Inverdee staff are reducing single use plastics in catering by purchasing reusable kitchenware



Walks and Talks. SEPA and SNH staff joined Forth Valley Welcome on a walk around Stirling to support Syrian Refugee families resettled in the Forth Valley area.



Inverdee Volunteers at Inverdee planted a gabion wall with native cliff and wild strawberry plants as a test to see if a low technology approach using native plants would work. Wild flower beds were also seeded with more sea hardy species



Staff at our **Gala** office planted a new hedge in their grounds and installed a hedgehog hotel.

