












**Energy Sustainability Team
PROGRAMME OVERVIEW
One Planet Cardiff Delivery**

Project	Funding Source	Amount (Council)		Partner Amounts (for other UK Partners)	Key Milestones	2015			2016			2017		
		Revenue	Capital			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Strategies and Policies														
 Green Dragon Environmental Standard corporate registration to Level 3	CCC revenue	-	-		Internal audit External audit Environmental Statement (writing, publication and dissemination)									
 WLGA Early Adopter Programme - corporate preparation for the Wellbeing of Future Generations Bill	WLGA - consultancy resource	-	-		2014/15 support for Corporate and Partnership Planning 2015/16 support TBC									
 Cyd Cymru - Wales Together - collective energy switching	Welsh Government	£150,000			Switch 3 registration Switch 3 offers and switching Seek funding for reduction in WG funding for year 3 Switch 4 preparation and partner engagement Switch 4 delivery									
 Carbon Reduction Strategy - production of a strategy to guide energy efficiency, energy behaviour change and renewables work	CCC revenue	-	-		Draft Document Scrutiny Cabinet Approval									
 One Planet Cardiff - public promotion	Viridor SWEA	c.£2,000 TBC			Primary schools event Your Green Future secondary schools event									
Research and Development														
 WISDOM : Collaborative project looking at smart/ICT systems to drive water efficiency and reduce its energy demands. Three year project with 11 partners from four Member states.	European Union "FP7"	£190,000	-	£333,000	"Developing a shared understanding amongst Stakeholders":final doc Annual review meeting at EU Oversee installation of monitoring equipment Monitor and report on findings and customer experience Dissemination of results and project end									
 PERFORMER : A research and innovation funding project seeking to close the gap between expected energy performance in modelling of buildings and actual operational performance - using St Teilo's school as demonstrator	European Union FP7	£280,000	-	-	Audit of relevant existing hardware and software installed at site 18 Monthly review meeting at EU Identifying additional sensors and software to be installed Deploy and monitor PERFORMER equipment Dissemination of results and project end									

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	HERITAGE RETROFIT: Project to support new innovative products to achieve greater energy efficiency in sensitive historic buildings.	Welsh Government and Innovate UK: Small Business research Initiative (SBRI)	£70,000	£480,000	-	Launch competition (complete Feb 2014)	✓														
						Select 6 ideas and fund feasibility studies (complete Aug 2014)	✓														
						Select 3 demonstrators (complete Aug 2014)	✓														
						Develop contracts and select suitable Council buildings to treat															
						Installation of equipment															
Monitoring, dissemination and project end																					
	HELES Hydrogen Fuel Generation: Innovation project to use solar power at Lamby Way to generate hydrogen as a stored fuel and/or renewable gas. Partnership project with ITM Power.	Innovate UK: Small Business Research Initiative (SBRI)	£160,000	£30,000	£810,000	Submit application and secure planning permission															
						Develop working relationships with solar farm and landfill gas co.s															
						Site manage installation															
						Monitoring, dissemination and project end															
	PORTABLE RENEWABLES: Project to support new and innovative products that can generate renewable energy on vacant sites and be easily moved to alternative sites as necessary.	Welsh Government and Innovate UK: Small Business research Initiative (SBRI)	-	£1,000,000	-	Officer Decision Report and grant acceptance															
						Launch competition (Feb 2014)															
						Select 4-6 ideas to support at feasibility stage															
						Select 1-2 projects to support at demonstration stage															
						Monitoring, dissemination and project end															
	SHALLOW GEOTHERMAL HEAT: Project to investigate feasibility of tapping renewable heat at a street/district scale from Cardiff's ground water. Partnership project with British Geological Survey and WDS Green Energy	Innovate UK: Small Business Research Initiative (SBRI)	£76,000	£41,000	£188,714	Develop project plan and Grant acceptance															
						Oversee installation of monitoring equipment in existing boreholes															
						Select suitable Council building to receive renewable heat															
						Installation of equipment															
						Monitoring, dissemination and project end															