## Energy Sustainability Team PROGRAMME OVERVIEW One Planet Cardiff Delivery

	Project	Funding Source	1	ount uncil)	Partner Amounts (for other	Key Milestones		2	2015			TT	2	016		TT			2017	, 					
		Jource	Revenue	Capital	UK Partners)		teb feb	apr may	5 3	de se	dec no	teb deb	apr	5 3	seb seb	8 2 8	teb feb	abr	5 5	se g	dec dec				
Capital	Projects			÷	I												T : :								
<b>②</b>	LAMBY WAY SOLAR ROOFS: A collection of	Public Loans				Design Phase										.↓.	ļ		ļļ						
one	roof mounted solar PV schemes on the roofs			£250,000	-	Construction Phase				<u></u>						<u>ļ.</u>				Щ					
Planet	of the building at Lamby Way Cleansing Depot	(FLVVD)				Monitoring and Verification									Ш					Ш					
	LAMBY WAY SOLAR FARM: A solar farm	3				Heads of Terms Development																			
<b>②</b>	development on the capped landfill site at	•				Land Lease Agreed										Ш				Ш					
	Lamby Way Cleansing Depot, producing enough electricity to power approximately		-	-	-	Planning and Design Phase																			
	2,200 homes.					Construction Phase																			
<b>②</b>						Tender Period																			
	RADYR WEIR HYDRO SCHEME: A hydro scheme at Radyr Weir producing the	:				Contract Award																			
ENERGY	equivalent of 550 homes electricity from	Work Board	-	£2,500,000	-	Design Phase																			
<b>(-)</b>	harnessing power from the water in the Taff	(PLWB)								Construction Phase															
Planet	through 2x Archimedes turbines.					Comissioning and monitoring																			
						Completion of Invitation to Tender						П			П	П				П					
	<b>REFIT Energy Efficiency Retrofit of Council Estate:</b> Creation of a framework partnership					Tedner Period							•												
	with an Energy Services Company to provide		-	£790,000	-	Contract Award										m									
Planet ENERGY	implmentation of energy reduction projects	(PLWB)			l	Design and Planning																			
	across the Council's building portfolio					Construction Phase 1																			
						Arbed 2 ERDF - Year 2: Caerau (141 properties)							Ш	$\dagger \dagger$	$\dagger$	$\dagger \dagger$		$\dagger \dagger$		$\Box$	$\Box$				
<b>②</b>		Welsh	Welsh			Arbed Expansion: Caerau - Phase 2 (100 properties)										+++	m	-			$\Box$				
000	Energy Retrofit of Housing Stock: various	Government							+++	1			H	-	++	††		-	1-1-	h	$\parallel \parallel$				
	schemes to improve energy efficiency in		£300 000	£3 000 000	?	Brynfedw External Wall Insulation (150 properties)							╂╫┨	-		₩.	-		ļļ		+				
	Council Housing and occaisionally in nearby	ECO) and Housing	1300,000	£2,900,000		Trowbridge External Wall Insulation (247 properties)			╟╫				₩	-	-	₩.			ļļ	₩	+				
planet	private housing	Revenue				Trowbridge Mawr solar PV (100 properties)			╟╫	-			₽₽	-		-	-			₩	+				
		Account				Coed Y Gores & Cemaes Crescent - External Wall Ins (88 properties)										Ш				Ш					
						Engage with and bid into emerging Arbed 3 programme for 2015/18																			

## Energy Sustainability Team PROGRAMME OVERVIEW One Planet Cardiff Delivery

	Busines	Funding	Amo (Cou		Partner Amounts	Van Miloskopos		20	015				2	016			,		2017	,	
	Project	Source	(for other Revenue Capital UK Partners)		Rey Millestones	jan feb	may.	S 15 8	od to	a dec	feb mar	apr may	E In Se	seb oct	nov	teb tep	apr	5 3	sep sep	nov dec	
Strateg	ies and Policies																				
O'NO pagende posser	Green Dragon Environmental Standard -	000				Internal audit							-								<b>.</b>
	corporate registration to Level 3	CCC revenue	-	-		External audit			╬					-			+				
	M/ CA Forthy Adoptor Brogramma composite	WLGA -				Enviornmental Statement (writing, publication and dissemination) 2014/15 support for Corporate and Partnership Planning			$\parallel$		$\parallel$				Н	$\dashv$	#			$\forall$	${}^{\dag}$
One planet	WLGA Early Adopter Programme - corporate preparation for the Wellbeing of Future Generations Bill		-	-		2015/16 support TBC															
						Switch 3 registration															
one	Cud Cumuu Wales Tagathan callastina	Malah				Switch 3 offers and switching			<u></u>												Ѿ.
(tft)	<b>Cyd Cymru - Wales Together</b> - collective energy switching	Welsh Government	£150,000			Seek funding for reduction in WG funding for year 3							4	.∐			4				₩.
PEOPLE						Switch 4 preparation and partner engagement	<b>.</b>						-	-			-	-			-
PEOPLE						Switch 4 delivery			╫				+	₩		+	╫			$\mathbb{H}$	₩
<b>②</b>	Carbon Reduction Strategy - production of a strategy to guide energy eficiency, energy	CCC revenue	_	_		Draft Document			##-		-		+	╬			-	-			╬
Planet	bahaviour change and renewables work	ccc revenue				Scrutiny Cabinet Approval			++	<del> </del>   -	-						+				$\blacksquare$
		Viridor	c.£2,000			Primary schools event			Ħ		$\parallel$		$\dagger \dagger$	$\dagger \dagger$	Ш	$\parallel$	$\dagger$	$\dagger \dagger$		Ш	$\dagger$
( Single	One Planet Cardiff - public promotion	SWEA	ТВС			Your Green Future secondary schools event															
Researc	ch and Development																				
<b>②</b>	WISDOM: Collaborative project looking at					"Developing a shared understanding amongst Stakehoders":final doc			₩.	ļ.,ļ.,ļ.			4								<u> </u>
	smart/ICT systems to drive water efficiency	F				Annual review meeting at EU							-	₽.							-
( <del>-</del>		Union "FP7"	£190,000	-	£333,000	Oversee installation of monitoring equipment	$\blacksquare$							Ц.			-	-			
PLONGE	states.					Monitor and report on findings and customer experience		╫										-			
WATER	DEDECORATE A MARGANIA SINCE SINCE					Dissemination of results and project end  Audit of relevant existing hardware and software installed at site			$^{++}$	H	+		+							${\mathbb H}$	+
one.	funding project seeking to close the gap	:				18 Monthly review meeting at EU			##	<del>                                     </del>	$\parallel \parallel$			-				-			
	between expected energy performance in		£280,000	-	-	Identifying additional sensors and software to be installed		i .	.ii												
(+)	project with 11 partners from four Mem states.  PERFORMER: A research and innovat funding project seeking to close the good between expected energy performance modelling of buildings and actual operation performance - using St Teilo's school					Deploy and monitor PERFORMER equipment						4									
planet	demonstrator					Dissemination of results and project end															

## Energy Sustainability Team PROGRAMME OVERVIEW One Planet Cardiff Delivery

	Project	Funding	1	ount uncil)	Partner Amounts (for other	Key Milestones			201	L5	7.7.		-T-T	20	16		7		20	17	
		Source	Revenue	Capital	UK Partners)		jan feb	mar apr	may	ang an	g g g	dec jan	feb	apr may iun	n g	sep oct	dec	feb	apr may jun	la ga	9 ty Se
© one		UK: Small Business research Initiative (SBRI)  Innovate UK: Small Business				Launch competition (complete Feb 2014)  Select 6 ideas and fund feasibility studies (complete Aug 2014)	✓ ✓														
Planet	HERITAGE RETROFIT: Project to support new inovative products to achieve greater energy	UK: Small	£70,000	£480,000	-	Select 3 demonstrators (complete Aug 2014)	<b>V</b>				ļ.,ļ						<u>.</u>				
<b>(+)</b>	efficiency in sensitive historic buildings.	research				Develop contracts and select suitable Council buildings to treat											-				
PLACE		:				Installation of equipment  Monitoring, dissemination and project end				Li											
	HELES Hydrogen Fuel Generation: Innovation project to use solar power at Lamby Way to	Innovate UK: Small Business Research				Submit application and secure planning permission															
planet ENERGY	project to use solar power at Lamby Way generate hydrogen as a stored fuel and/ enewable gas. Partnership project with IT Power.	Business Research	£160,000	£30,000	£810,000	Develop working relationships with solar farm and landfill gas co.s  Site manage installation															
	Power.	(SBRI)				Monitoring, dissemination and project end															
	PORTABLE RENEWABLES: Project to support	Welsh Government				Officer Decision Report and grant acceptance					<u>.</u>			<u></u>			<u>.</u>				
	new and innovative products that can	and Innovate				Launch competition (Feb 2014)								-							
Planet	generate renewable energy on vacant sites and be easily moved to alternative sites as	Business	-	£1,000,000	-	Select 4-6 ideas to support at feasibility stage	<b> </b>										<u>.</u>				++
ENERGY	necessary.	Initiative (SBRI)			ľ	Select 1-2 projects to support at demonstration stage  Monitoring, dissemination and project end											-			++	
	SHALLOW GEOTHERMAL HEAT: Project to	, ,				Develop project plan and Grant acceptance														1	
planet	investigate feasibility of tapping renewable	Small				Oversee installation of monitoring equipment in existing boreholes	<u> </u>							<u>.</u>			<u>.</u>			11	
ENERGY	heat at a street/district scale from Cardiff's	Research	£76,000	£41,000	£188,714	Select suitable Council building to receive renewable heat	<b>.</b>			11	ļļ						ļļ				
<b>(</b> -)	ground water. Partnership project with British Geological Survey and WDS Green Energy	Initiative (SBRI)				Installation of equipment	<u> </u>						Ш				<u>.</u>				
Planet		\- ,				Monitoring, dissemination and project end															