

West Suffolk Council Environmental Project List

Current target - 'To facilitate a reduction in absolute carbon emissions in Suffolk of 35% on 2010 levels by 2025 and 75% by 2050'

Does not include our statutory waste requirements/services

Year	Project name	Internal / Community Energy / R&D	Details	Activity Type
2007	West Suffolk House	Internal	New Council offices designed and built with high ambitions for energy efficiency, renewable energy use and sustainable materials.	Building, GSHP, Solar thermal, Materials, Solar PV
2015	WSH EV Charger	External	EV charge points in Olding Road car park for West Suffolk House Staff & visitors and out of hours general public use	EV Charging
2017	Toggam Solar Farm	Internal	12.4MW solar farm built and operating	Solar PV
2017	Biomass boiler installed at Palce House Newmarket	External	Council installed a biomass boiler at Palace House to reduce emissions from site and help achieve BREEAM rating. Project pioneered a heat supply contract approach to enable installation with zero cost for client	biomass, energy, financial support
2018				
2018	Energy Performance Contract	External	Council developed an energy performance contract to enable it to support local organisations to install high efficiency lighting and other equipment at no cost. The Council then receives payment through a guaranteed savings arrangement with the Council paid back over a given period.	energy efficiency, financial support, LED
2019	West Suffolk Operational Hub		New building will include Solar PV and make provision for EV charging for Council vehicles, for staff and for general public visitors Annual report on domestic energy efficiency projects for Home Energy Conservation Act.	Building, Solar PV, EV charging
1994 - ongoing	Domestic Energy Efficiency	Community Energy	Suffolk wide projects, the Councils and County Council collaborate to lever more funding to deliver projects to insulate and replace boilers across the County. More details on Green Suffolk website, Suffolk Energy Action.	Householders, insulation, grant, support, information
2012/13	Nowton Park Solar Thermal	Internal	Solar thermal system installed on Nowton Park visitor centre	

2014 - ongoing	Improving energy management process	Internal	Used external energy management consultancy to improve our approach to energy management. Several departments work together to improve energy efficiency and engage users. in 2018 we improved our process for data capture, monitoring, analysis, reporting and response to energy inefficiency. A key issue was reliable energy data from our suppliers.	Energy efficiency
2014 - ongoing	Green Business Grant	External	Key step in 2018 was to manage gas consumption from key sites, trend is showing reduction for 2018/19. Awarded £81k Saved - £94k annual cost saving saving 388tCO2e per year Number of applications - 122 applied, 100 granted	
2014 - onwards	Solar PV on own buildings	Internal	Total own sites 13no. 600kWp installed £1.1m In 2014/15 - The installer has insulated 329 lofts, filled 193 cavity walls and carried out solid wall insulation on 23 properties	Solar PV
2014 onwards	External wall insulation	Community Energy	We helped local housing association insulated 140 of their properties and the private sector properties in the same vicinity were offered DECC cash-back funded EWI insulation. 2016 - 156 solid walled homes insulated out of 716 in Suffolk This project won a regional award Annual mail-outs Central heating funding - 214 across suffolk NEA funding for Fuel Poor - 114 heating systems installations or repairs	Fuel Poverty, Solid Wall Insulation, Fully funded
2015 - ongoing	Solar For Business	External	Number 47 for sites Total of 2.1MWp Value £1.85m	Business, Solar PV, Free, Cost saving
2015 - onwards	Sustainability in Planning Policy	External	Requirement for new commercial buildings over a certain size to achieve BREEAM Excellent, water efficiency measures required, demonstration of energy efficiency measures and achievements.	new building, planning policy
2016 - ?	Sustainable Bury Annual Event	External	Supported this public run event	Event, community
2016 - ongoing	LED lighting replacement	Internal	LED lighting upgrades, Haverhill Offices, West Suffolk House, Apex, Moyses' Hall, West Stow (to be completed)	

2016, 2017, 2018	EV Promotion events	External	Series of electric vehicle promotional events for residents and businesses. Also included Solar PV and battery energy storage topics	EV
2016-2018	Car Park LED Lighting	Internal	Parkway and Guineass LED lighting replacement	Energy efficiency, LED
2017, 2018	Energy Matters - member training	Internal	Training for Council members on Community Energy and energy issues	Training, Council Members, Community Energy
2017, 2018	Parish Conference - community energy engagement	External	Training for parish councils on energy issues and community energy and renewable energy planning	Training, Parish Council, Community Energy
2017-2018/19	Park home insulation project	External	1st 2017 Stanton Park Homes - solid wall park home insulation. Money from National Grid Affordable Warmth Energy Innovation Fund. Fitted EWI to 24 park homes in Brandon for those classed as fuel poor or low income/ vulnerable funded by the Council	Building fabric
2018 - ongoing	Waste auditing	Internal, waste	Waste and recycling audits undertaken at West Suffolk House and West Stow	Waste
2018 - ongoing	West Suffolk Growth Investment Strategy Energy Framework	Internal / External , R&D	During 2018-2020, we will: "Develop an Asset Management Plan to ensure the operational and other assets owned by West Suffolk are used for maximum public benefit, including our office buildings, waste facilities, car parks, investment properties and energy assets . This will include joint initiatives such as the delivery of the West Suffolk Operational Hub and Mildenhall Hub.	Strategy, investment, asset management, renewable energy
2019-	On-Street EV charge points		Trial of charging posts on lampposts in residential areas to encourage the uptake of EV	EV charging
2019 - 2023	ACCESS Project (Advancing Communities to Low Carbon Energy Smart Systems)	Internal / External , R&D	Smart energy demonstrator project. EU funded partners from Mechelen, Belgium, Ammersfoort, Holland, Malmo, Sweden, Gothenburg, Sweden, Cambridge University, Aarhus University, Denmark.	Smart energy, renewable energy, demand management, decentralised energy, local energy generation and supply
2019 - ongoing	Great Barton Crossing	Air quality	£100,000 grant to support works to address key quality improvement area. Will include moving the Crossing in Great Barton to improve the air quality within the Air Quality Management Area.	
2019 - ongoing	Rapid EV Charge points	External	Rapid EV charge points in Bury St Edmunds town centre (complete) and Newmarket (Planned)	EV charging

2019 - ongoing	Mildenhall Hub	Internal	New build energy efficient building to replace school, leisure centre and council office making energy efficiency savings and including Solar PV 150kWp, Gas CHP, Ground Source Heat Pump (GSHP) and electrical energy storage	Building, GSHP, Solar PV, CHP, Battery, EV Charging
2019 - ongoing	New Local Plan	External	The new local plan will include an appraisal of potential options to reduce emissions and environmental impacts of new developments	new building, planning policy
2020 - ongoing	WWD - Energy Strategy	Internal	Developing Energy Strategy for the Western Way Development, strategy reviewing the options of a heat network, energy centre housing combined heat and power units, extensive solar energy and providing heat and power to local stakeholders like West Suffolk College, King Edward VI etc.	CHP, Solar PV, Heat Network, local electricity network
began ?	Air Quality Management	External	Air quality, monitoring, planning and development	Air quality