

Energy Hierarchy	Objective	Action	Indicator	References where applicable (e.g. SFS action No)	Timescale / Phase	Commentary
<b>Energy Saving</b>	Ensure our current property portfolio is sustainably managed by identifying opportunities to reduce resource consumption with partners (to Inc. electricity, gas (scope 1&2), water and waste (scope 3))	-Work with utility and waste companies to improve visibility of data, spot problems, improve automatic meter reading (AMR) coverage (where possible) and share reduction initiatives -Deliver WCC Internal Waste Strategy	- increased % of Automated Meter Readers (AMRs) coverage (where cost benefit favourable)	SFS W&CE5, W&CE4	1 - 3 years	-Quarterly meetings with contracted utilities companies and report to budget holders to update them on changes, prices and opportunities to reduce consumption
<b>Enabling - Data Capture</b>	Improve visibility of WCC gas and electricity usage and maximise additional contractual benefits	- Work with Total and ESPO to give full clarity of sites and responsible individuals identified (e.g. highways, lighting) - All sites under WCC budgetary control to be offered entry to the corporate contracts for electricity and gas) - arm's length users (e.g. maintained schools) to be offered entry in phased approach -Review ESPO work on annual capacity of buildings to ensure over use charges are minimised and opportunities to maximise use of under capacity	- % meters accounted for with contacts for budget holder, BS, site visible and shared with Total and ESPO -% of WCC sites included (corporate budgetary control only) - % of all sites in WCC budgetary control sites included		- 1 year - 1 year - 2 years	
<b>Enabling - Data Capture</b>	Improve visibility of WCC water usage	Enter into a WCC corporate water contract	-% WCC sites included	SFS BE15	1 years	-Cabinet approval to be sought Autumn 23
<b>Energy saving</b>	Carry out detailed energy surveys and use results to embed energy into estate decision making processes	-Undertake high level Energy Performance audits for all WCC properties in scope and consider opportunities to reduce usage -Identify lower performing buildings and develop actions to address -Full Energy Assessments to be carried out on key Council owned properties -Produce quarterly report for management and building users on absolute energy usage per building and guidance for reduction -Lower performing buildings identified as needing efficiency improvements / moved to surplus / - occupancy managed to reduce wastage	-No of audits carried out -Quarterly report issued to management and building users, benchmark with similar type/use buildings, EPC ratings and DEC ratings, Degree day Regression analysis	SFS BE5, SFS BE2 SFS BE3, SFS BE12	1 - 3 years	Identify opportunities to reduce usage by: -turning appliances / equipment off - improving additional insulation on windows and doors - use of Light Emitting Diode (LED) lighting, Passive Infra-Red (PIR) movement sensors and thermostatic radiator valves (TRV) - improving effectiveness of Building Energy Management Systems (BEMS) Some buildings may be energy inefficient but will need to be retained for strategic reasons - document. include in current H&S, FM and Environmental auditing schedules. Commission assessments to identify opportunities to reduce usage over and above basic assessments with increased technical surveying, and assessments of plant room, HVAC, BEMS efficiency etc Representation required from all building types and ages
<b>Energy Saving</b>	Embed energy considerations into regeneration schemes and development or acquisition	Work across the Council to ensure assessment of impact of energy is considered as part of developments / acquisitions etc. Investigate with Delivery Teams, Surveyors and Procurement.	- increased consideration of energy in our portfolio		1-2 years	
<b>Energy Saving</b>	Create costed Decarbonisation Delivery Plan for WCC	Focus on reducing Scope 1 carbon emissions from gas boilers and create specific Heat Decarbonisation delivery plan for on-site gas and liquid fuel boilers Bring together results of previous decarbonisation work to develop an overall heat decarbonisation plan	- reducing volume of gas / liquid fuel used in buildings	SFS BE4	1-2 years	Review previous decarbonisation work (LCSF1-4) and recent Energy Assessments (MNZEH, CPW)

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Energy Saving	Engage wider Warwickshire	-Explore opportunities for how the WMCA Devo Deal could benefit Warwickshire (re. retrofits) -Manage Community Project on energy and fuel poverty (Switch & Save).	-costs covered on Switch and Save	SFS BE29	1 - 3 years	
Energy Saving	Increase awareness of energy saving to change behaviours	-Run an Energy Saving Campaign and develop energy training course for all staff and key contractors to raise awareness of individuals impact and clarify terminology -'Provide basic signposting resource for residents to support their own energy reduction. Highlight what support is available from council, government and other avenues	50% response to Intranet survey of awareness ->50% uptake of training (contractors) ->75% uptake of training (staff) - no of hits on external guidance pages	SFS BE10, SFS En18, SFS BE29	1 - 2 years	-Link in to Climate Change Champions, Working for Warwickshire, Management Briefings, Senior Leadership Forum, Intranet, Environment in Brief, SD Briefings, Senior Leadership Forum -Review current offering and update as required before roll out. -Consider Carbon Literacy Training for wide audience -Link to Hotline to id issues like over / under heating, lights etc -Inc engagement but would need monitoring to ensure not overly onerous
Enabling - Data Capture	Establish effective data sets, collection and procedures to move WCC towards an auditable set of data which clearly states assumptions, factors and calculations used and relevant processes recorded.	-Review current database offer from suppliers (i.e. Systems Link and Wind Crane) to ensure maximising capability -Work with Business Intelligence to develop in house quarterly carbon reporting capability (if not fully available from Systems Link. To also include all Scope 1 (WCC vehicle fleet emissions, liquid fuel emissions, fugitive emissions and SF6 leaks) and Scope 2 (purchased electricity) metrics (e.g. Inc. supportive such as training uptake)	- 100% of sites under WCC budgetary control (i.e. on corporate utility contracts) to have data visible on Systems Link reporting database - to allow accurate reporting of Carbon for SFS, IDP and external Buildings Energy Report and others, robust quarterly reporting in place for electricity (kwh total and per m2), gas (kwh total and per m3), water (m2) consumption, WCC fleet vehicle diesel and petrol usage (litres), liquid fuel use for heating (m3), fugitive emissions and SF6 leaks (calculated m3) - work with database supplier to improve awareness of database capability for reporting - Scope 1 and 2 CO2 emission procedure' written and	SFS BE11 + 50001 (Recording, Monitoring and Reporting )	1 year	Ref to Local Authorities Carbon Literacy Toolkit  '-Systems Link contract increase -Current database version not supported - factors to be agreed for conversion to CO2
Enabling - Wider Networks	Use wider networks	Engage with external partners (e.g. Districts and Boroughs re Local Plans (Warwick and Solihull), NHS Climate Change Group, Midlands Net Zero Energy Hub, Association of Public Sector Excellence (APSE), Local Government Association (LGA)), to gain lessons learnt and identify opportunities for joint working	-Representation and attendance at meetings of relevant public sector groups -Opportunity Pipeline developed -right size fit for portfolio	SFS En22 Check also Energy Systems Catapult (SFS En23), SFS BE6, BE032.BE033, BE034	1 Years	
Enabling - Wider Networks	Use wider networks	Work with external Partners in supporting a public sector sustainable strategy. Improve utilisation of assets, considering co-locations and where appropriate reducing the public sector portfolio.	-Portfolio right sized -Opportunity Pipeline developed	Property Strategy, SFS BE5, BE6	1 -5 years	

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