

Description	Neighbourhood Area			Urban Extensions		Other Growth		Time Scale	Funding Source			Priority H / M / L	Cost Estimate (2009 to 2031)	
	Hospital Quarter Station Quarter Railworld Bright Street / Lincoln Road Northminster Broadway North Westgate / Cathedral Square Cathedral Precinct Priestgate / Bridge Street Rivergate Embankment Fengate South Bank Hampton Orton Other	C & E Millfield Other	N & W Bretton Werrington Other	Urban Extensions		Urban	Rural		Developer Specific S106 Neighbourhood S106 City Wide PCC Corporate Funding e.g. GAF ESCO Anglian Water (or other water co.) EDF/ECN (other DNO)	Other Funding	Minimum		Maximum	
				Great Haddon Paston Reserve Norwood Stanground South Redbrick Farm Alwalton Hill Hampton Magna Park										
Flood Risk Management and Water Quality Off site flood compensation On site flood compensation Appropriate SUDs in all new developments	✓	✓	✓					Up to 2011 Short term (2011 to 2016) Medium Term (2016 to 2021) Long Term (2021 to 2026) Post 2026	✓	✓	✓	H H H	? ? ?	? ? ?
Resources e.g. reservoirs New booster station at Great Haddon 5.5km water main from Glington to Norwood Morcott WTW Flag Fen Water Re-use South Lincolnshire Winter Storage Reservoir	✓	✓	✓						✓	✓	✓	H H H H H	£250,000 £4,000,000 TBC TBC	£1,000,000 £6,000,000 millions millions millions
Sewerage and Waste Water Treatment Provide additional storage at River Lane combined sewer overflow Provide additional storage at Eye, Crowland Road SPS Provide additional storage at Thorp's Way by upsizing 470m of sewer Up-rate Glington North Fen Rd PS and provide additional storage Up-rate Peakirk St Pegas Road sewage pumping station Up-rate Eye, Little Close sewage pumping station Raise overflow weir at Eye, Peterborough Road, sewage pumping station Uprate Peterborough Southern Area Embankment PS Up-rate Stanground Thistle Drive sewage pumping station Up-rate Hampton London Road terminal pumping station Upgrades at Orton Mere pumping station New on site pumping station at Great Haddon with new 2.8 km rising main to Orton Expansion to Flag Fen sewage treatment works	✓	✓	✓						✓	✓	✓	H L H M L H H H H H H H H	£80,000 £20,000 £150,000 £440,000 £900,000 £400,000 £80,000 - £1,300,000 £400,000 £400,000 £3,400,000 Several Million	£100,000 £30,000 £170,000 £650,000 £1,100,000 £600,000 £100,000 - £1,700,000 £600,000 £600,000 £3,900,000
Electricity network Upgrade Peterborough South substation (in progress) Upgrade Peterborough Central 132/11kV Substation New Substation, Station Area Upgrade Orton Primary New substation, Great Haddon New substation, Werrington area Upgrade Peterborough East 11kV Upgrade Farcet Primary Upgrade Peterborough Central 132/33kV substation Reinforce 132kV circuits Peterborough Central - Peterborough North	✓	✓	✓						✓	✓	✓		£1M £4M £6M £5M £6M £6M - £4M £5M £15M	£2M £6M £7M £6M £8M £8M - £5M £7M £18M
Peterborough Energy Service Company Peterborough ESCO that develops energy across specific locations	✓	✓	✓						✓	✓	✓	H	TBC	TBC
Energy Centres e.g. Combined Heat & Power (CHP) Also see entry under "Waste" Biomass CHP plant 1.3 Mwh Plant types/ low carbon energy system to be confirmed Plant types/ low carbon energy system to be confirmed Plant types/ low carbon energy system to be confirmed Plant types/ low carbon energy system to be confirmed Significant Energy Efficiency Schemes Retrofit efficiency schemes e.g. boilers	✓	✓	✓						✓	✓	✓	H M M M M	£2,500,000	£4,000,000
Telecoms Hampton Broadband												M		
Create fibre zones Connect fibre zones to fibre city												H	£5m £2m	£10m £4m
Landfill Facilities to be determined														
Energy for Waste or Incineration Facilities Energy for Waste Plant (municipal) Anaerobic digestion plant Composting Facilities to be determined	✓	✓	✓						✓	✓	✓	H H	£35m £6m	£65m £10m
Re-cycling Facilities Material Recycling Facility Southern Householders Recycling Centre Revamp or replace Dogsthorpe HRC Bring Sites (per 800 dwellings)	✓	✓	✓						✓	✓	✓	H H M M	£2m £0.5m £0.5m £1M	£8m £2m £2m £5m

Total apx 120m 200m

- Note Timing given is the earliest intervention time required. Timing of intervention is subject to change depending on the programme of build out
- Note Costs of water infrastructure are dependent on ground conditions, depths required, pump rates, constraints, labour costs.
- Note SWMP = surface water management plan currently being initiated by the Peterborough Flood Risk Partnership following the new Floods and Water Management Bill
- Note Electricity network costs are base costs and do not include any on-costs. They are liable to change dependent on detailed scheme design, and with changes to equipment prices and our procurement / installation arrangements over time.
- Note The costs for new substations excludes the costs of purchasing land.
- Note Electricity network costs are a best guess based on the information held at present and on 2009 costs, with regard to the loads applicable to the various developments. They also assume that all proposed developments go ahead.
- Note Cost of low carbon energy system is dependent on the type of technology deemed most appropriate to the specific development
- Note After initial set up the ESCo would be self financing
- Note The ESCo could help finance energy projects in any part of the Unitary Authority but the most likely ones have been marked here according to the scale of the area/development or those earmarked by the Energy Study for earliest implementation of either energy efficiency schemes or on or near-site renewables
- Note Landfill will be required in the region as per the Minerals & Waste local plan but this is likely to be private development (as are the current landfills in the area)
- Note Timescales are based upon current PCC project programmes
- Note Funding ranges are broad for EW and MRF as some scope aspects are still to be defined through the current Competitive Dialogue Procurement
- Note Some discussions regarding land/S106 contributions from developers towards the southern HRC have taken place but nothing is firm as yet. This project is now sitting with Mick Robb at PCS
- Note There is no formal PCC project for the revamp or replacement of Dogsthorpe HRC although it is widely acknowledged that this is necessary at some point. Therefore there are no firm details at this stage.
- Note The EW and AD projects may become involved with any future ESCo work, but the Waste 2020 team do not have any details of this yet so for these purposes it has not been included; the limits are 'to the site boundaries' effectively.

