

TABLE 1. APPLICATION COMPLETENESS CHECK	
Development information tab (Tables 1-4) completed and included in appendix of energy strategy?	yes
Part L outputs tab completed	yes
EUI & space heating demand completed	no
Confirmation that the planning stage workflow will be completed at planning application submission and that the Be Seen process and reporting responsibilities are fully understood, including the requirement for as-built and in-use stage reporting to be undertaken (or where the legal owner changes from one reporting stage to another that the responsible party will be notified).	no

TABLE 2. DEVELOPMENT DETAILS		Further notes	Response	Supporting comments (or signpost sections in the energy assessment)
Application details	Date of Application	Please provide the date the application was submitted to the Local Planning Authority.	08/12/2023	
	Local Planning Authority	Please indicate the Local Planning Authority determining the application.	London Borough of Haringey	
	Confirmed carbon offset price (£/tonne of carbon dioxide)	Please confirm the agreed carbon offset price for the Local Planning Authority. If no value is entered then the GLA's recommend price of £95 per tonne of carbon dioxide will be used.	95.00	
	Evidence of communication on the carbon offset price included in the energy assessment (Y/N).			
	Residential units number (Part L1)		1	
Heat risk	Non-residential floor area in m ² (Part L2)			
	CIBSE TMS9 undertaken for residential development (Y/N)		Y	
	CIBSE TMS2 undertaken for non-residential development (Y/N)			
	All sample units meet CIBSE criteria with DSY1 weather file (Y/N)		Y	
	DSY2 and DSY3 included in overheating assessments (Y/N)		Y	
	Residential g-value		0.50	
	% Glazing Ratio over façade		11%-17%	
	External shading proposed (Y/N)		Y	
	Target Fabric Energy Efficiency met (Y/N)		Y	
	Mechanical Ventilation with Heat Recovery included (Y/N)		Y	
Energy efficiency measures	Waste Water Heat Recovery (Y/N)		Y	
	Low energy lighting (Y/N)		Y	
	Development in a Heat Network Priority Area (HNPA) (Y/N)		N	
District heating connection	District Heating Network connection (Y/N)		N	
	Name of District Heating Network		N/A	
	Carbon factor (kgCO ₂ / kWh)		N/A	
Site heating distribution configuration	Borough energy officer and Heat Network Operator contacted and evidence of correspondence included in the energy strategy (Y/N)	Applicable to all applications.	N/A	
	Development future proofed for DHN connection (Y/N)	Note that individual heating systems would not be appropriate for developments in HNPA's.	N/A	
	Drawings of communal system provided (Y/N)	Applicants should provide a drawings of the energy centre, on-site communal network with all building uses connected and future proofing arrangements detailed, including single point of connection.	N	Single Dwelling application
	Distribution type		Individual systems	
	Flow temperature (°C)		unknown	M&E consultant to be brought on-board at detailed design stage
	Return temperature (°C)		unknown	
	Distribution losses modelled (%)	See table 4 below for details.	unknown	
	Heat Pump (Y/N)		Y	
	Heat Pump source		Ground	
	Centralised Heat Pump capacity (kWth)		unknown	M&E consultant to be brought on-board at detailed design stage
Heating system performance	Heat Pump Seasonal Heating Efficiency (SCoP)		unknown	M&E consultant to be brought on-board at detailed design stage
	Heat Pump SCoP calculation includes heat source and heat distribution temperature and seasonal performance factor (Y/N)	See table 5 below for details.	N	
	Fraction of heat supplied by heat pump (only for hybrid systems with boilers) (%)		unknown	M&E consultant to be brought on-board at detailed design stage
	Low-emission on-site CHP enabling an area-wide heat network (Y/N)	Only low-emission CHP is suitable and only where it is facilitating an area-wide heat network. Therefore, new gas engine CHP is not suitable for any other purpose for new developments.	N	
	CHP (kW _e)		N/A	
	Estimated end user cost (pence/kWh)		N/A	
	Energy assessment includes consideration of occupant running costs (Y/N)	Applicants should consider the estimated costs to occupants of the energy assessment and outline how they are committed to protecting the consumer from high prices.	N	
	Solar PV included (Y/N)		Y	
	Roof layout demonstrating solar PV technologies have been maximised included in energy strategy (Y/N)		Y	
	kWh generated		13971.00	
Solar technologies	kWp		42.10	
	Total PV panel area (m ²) installed		160.00	
	Solar Thermal panel area (m ²) installed		N	
	Site-wide peak demand, capacity and flexibility potential included in energy assessment (Y/N)	Table 9 in the energy assessment guidance to be completed.	N	
	Interventions for achieving flexibility included in energy assessment (Y/N)	Table 10 in the energy assessment guidance to be completed.	N	
Flexibility and peak energy demand	Estimated peak demand (MW)		unknown	M&E consultant to be brought on-board at detailed design stage
	Electrical energy storage (kWh) capacity		N/A	
	Heat energy storage (kWh) capacity		N/A	
	System type (e.g. wind turbine)		N/A	
	Capacity (kW)		N/A	
Other technologies				

Cooling	Cooling proposed - Residential (Y/N)	It is not expected that 'active cooling' will be proposed for any residential developments. It will be expected that applicants can fully demonstrate that all passive design measures have been thoroughly investigated before considering 'active cooling'.	N	
	Cooling proposed - Non-residential (Y/N)			
	Residential Cooling consumption (kWh p.a.)	See note in cell C60.	N/A	
	Commercial Cooling consumption (MJ p.a.)			

TABLE 3. BESPOKE DH CARBON FACTOR CALCULATION METHODOLOGY
Please provide below details of the calculation methodology followed to establish the bespoke carbon factor, if applicable.

TABLE 4. DISTRIBUTION LOSSES		COMMENTS		
Primary network (buried pipe)	Total pipe length (m)			
	Average heat loss rate (W/m)			
Secondary network (buried pipe)	Total pipe length (m)			
	Average heat loss rate (W/m)			
Total losses (MWh/year)				
Total heat supplied (MWh/year)				
Distribution Loss Factor (DLF)				
Calculation included in energy statement (yes/no)				

TABLE 5. SEASONAL COEFFICIENT OF PERFORMANCE (SCOP) CALCULATION METHODOLOGY
Details of the Seasonal Coefficient of Performance (SCOP), the Seasonal Performance Factor (SPF) and Seasonal Energy Efficiency ratio (SEER), which should be used in the energy modelling. This should be based on a dynamic calculation of the system boundaries over the course of a year (i.e. incorporating variations in source temperatures and the design sink temperatures (for space heat and hot water). Details of the assumptions should be included in the energy assessment, including manufacturer datasheets showing performance under test conditions for the specific source and sink temperatures of the proposed development and assumptions for hours spent under changing source temperatures.