

Future Homes and Buildings Standards: 2023 Consultation Response

Summary of proposed main notional building specifications for homes – Options 1 and 2

	Part L 2021	FHS 2023 Option 1	FHS 2023 Option 2
Wastewater heat recovery	Yes	Yes	No
Heating (space and water)	Gas boiler	Heat pump (ErP A++)	Heat pump (ErP A++)
Hot water system	Depends on dwelling	Yes (120 mm insulation)	Yes (120 mm insulation)
Lighting efficacy	75 lm/w	105 lm/W	105 lm/W
Air tightness (m3/m2.h @ 50Pa)	5	4	5
Ventilation	Natural with intermittent extract fans	Decentralised Mechanical Extract Ventilation	Natural with intermittent extract fans
Renewables	PV panels	PV panels	No

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Summary of proposed main notional building fabric specifications for homes

	Part L 2021	FHS 2023 Option 1	FHS 2023 Option 2
Floor (W/m ² K)	0.13	0.11	0.13
Wall (W/m ² K)	0.18	0.15	0.18
Roof (W/m ² K)	0.11	0.11	0.11
Windows (W/m ² K)	1.2	0.8	1.2
Door (W/m ² K)	1	1	1
Thermal Bridging (W/mK)	Y-0.05 or Table R2 (SAP10)	Y-0.05	Based on Table R2 (SAP10)

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Summary of proposed main notional building specifications for homes connected to new communal and district heat networks – Options 1 and 2

	Part L 2021	FHS 2023 Option 1	FHS 2023 Option 2
Wastewater heat recovery	Yes	Yes	Yes
Heating (space and water)	Gas boiler	4th generation Heat Network SCOP of plant= 3.0 Primary losses= 12% Secondary losses 62W per dwelling	4th generation Heat Network SCOP of plant= 3.0 Primary losses= 12% Secondary losses 62W per dwelling
Hot water system	Depends on dwelling	No	No
Lighting efficacy	75 lm/w	105 lm/W	105 lm/W
Air tightness (m3/m2.h @ 50Pa)	5	4	5
Ventilation	Natural with intermittent extract fans	Decentralised Mechanical Extract Ventilation	Natural with intermittent extract fans
Renewables	PV panels	PV panels	No