Area Information

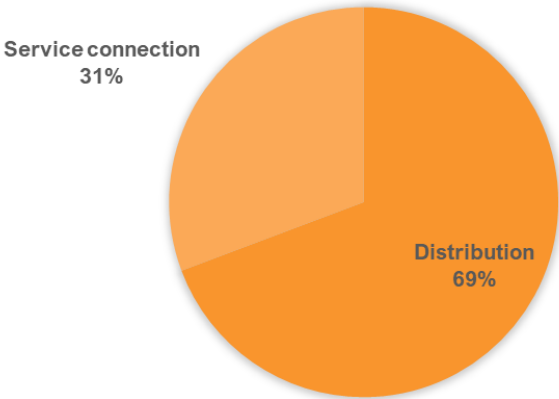| Area Name	Demo_Sc1
Design Rules	Base_distribution_layer update 20230327_optim
Number of Homes	377
Household Density	0.0 homes/km²
Total Area height difference	0 m
Dry ground thermal conductivity	1.6 W/(m.K)
Wet ground thermal conductivity	2.2 W/(m.K)
Ground temperature	10 ℃
Ground to air transition insulance	0.0685 m²K/W
Ground water depth	1 m
Demand input	Space heating demand
Peak power space heating	20611 kW
Peak power hot tap water	0 kW
Peak power space cooling	0 kW
Simultaneous Demand	13024 kW
Volume water in network	97058 l
Total network linear energy density	3.795 MWh/m

Energy Breakdown (adjusted for season profiles)

	Energy (MWh)	%
Total demand	47'408	96%
Service connection losses	480	1%
Distribution losses	1'486	3%
Total power	49'374.06	100%

Trajectory length Breakdown

	Pipe length (m)	%
Distribution	8655.9	69%
Service connection	3837.6	31%
Total trajectory length	12'493.47	100%

PIPE LENGTH

ENERGY BREAKDOWN