

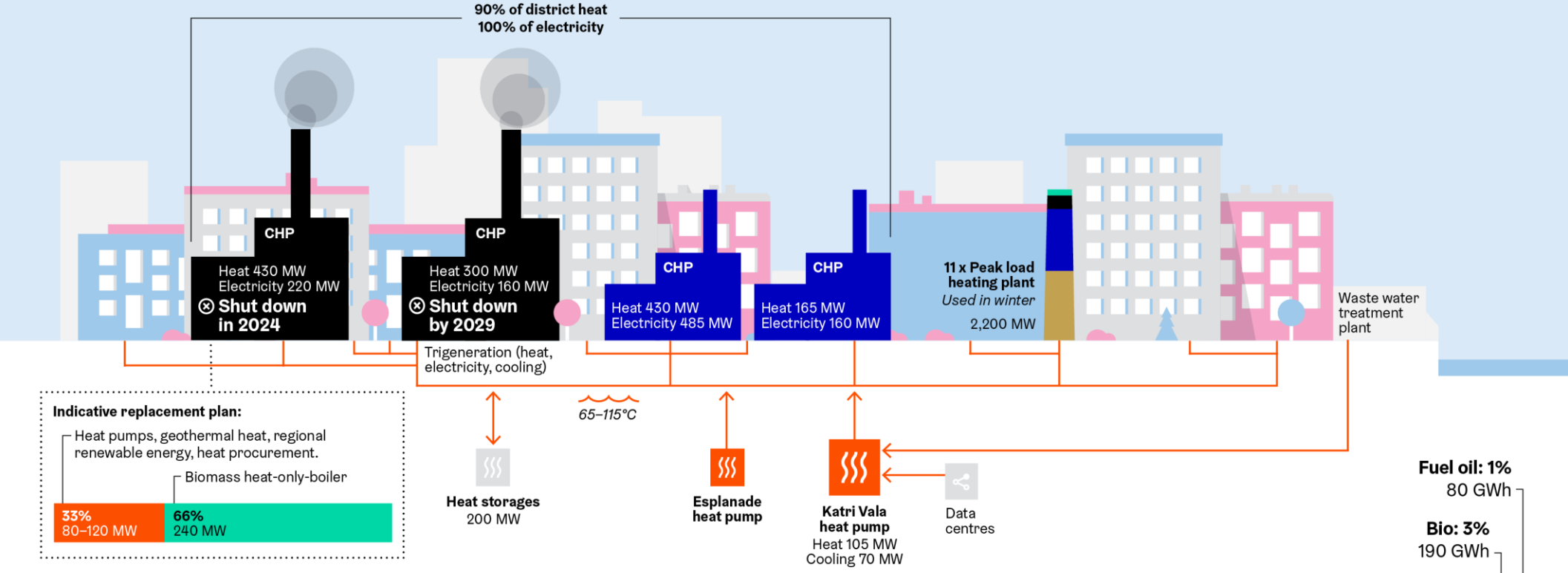
The current district heating system in Helsinki:

Key facts & figures

Energy system in Helsinki

Helsinki

operated by city-owned energy company Helen



Indicative replacement plan:

- Heat pumps, geothermal heat, regional renewable energy, heat procurement.
- Biomass heat-only-boiler

33% 80-120 MW

66% 240 MW

Heat production 2018

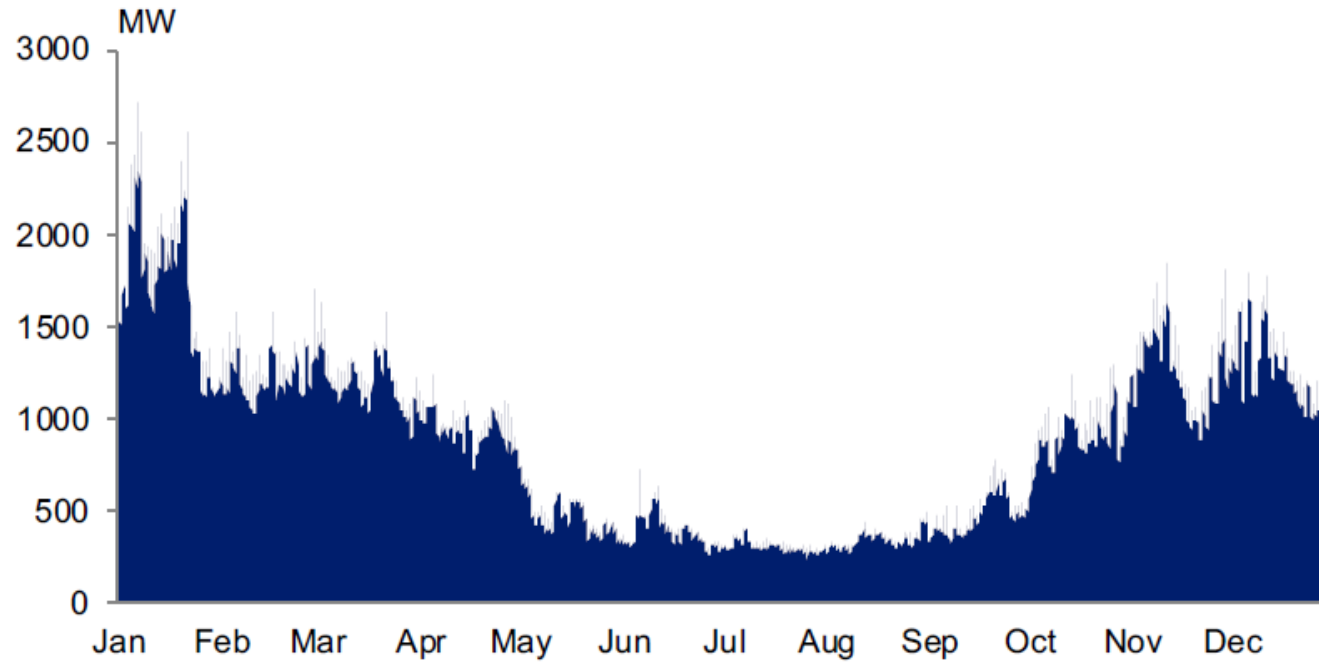


To be replaced fully by 2029, with minimal use of biomass

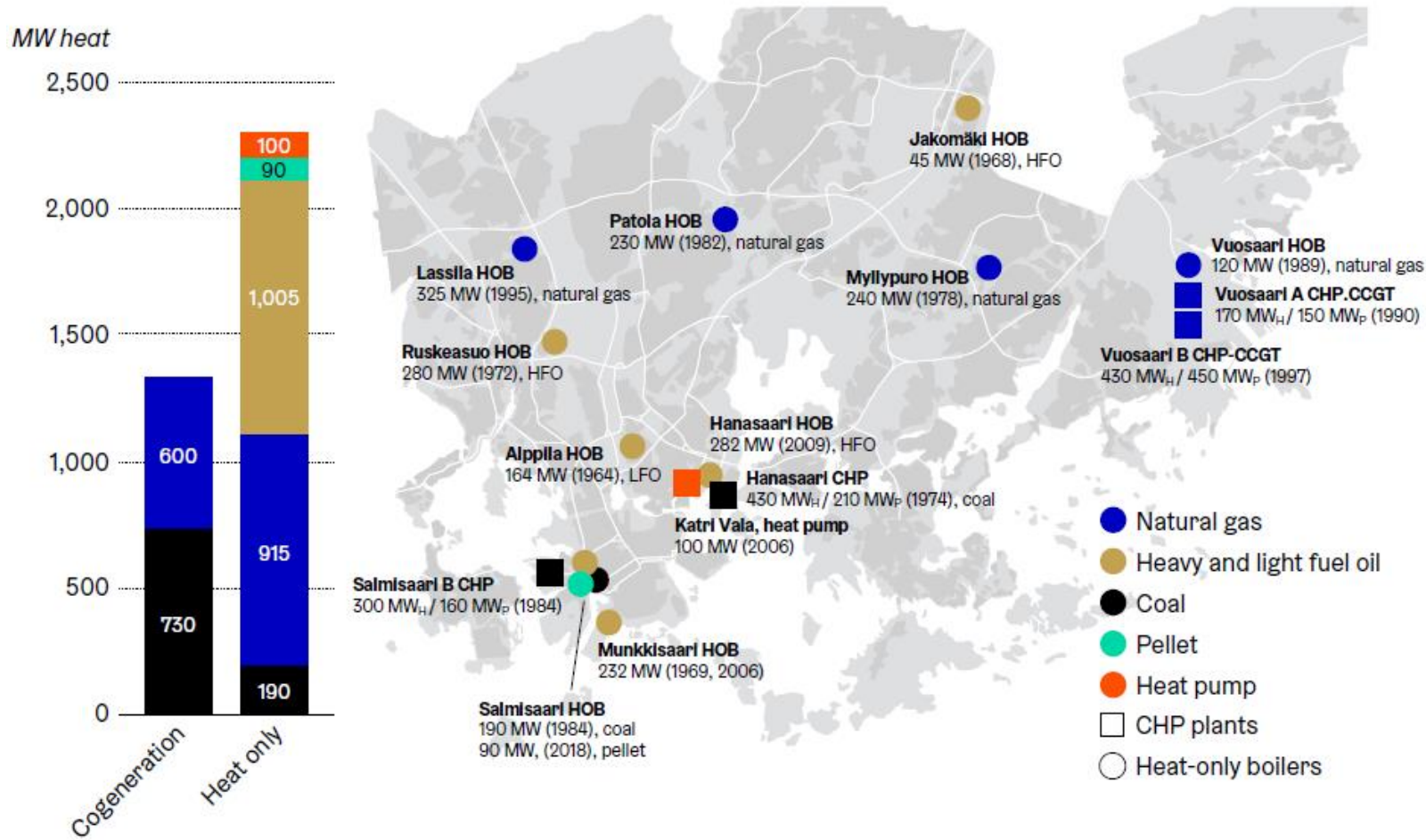
Electricity production 2018



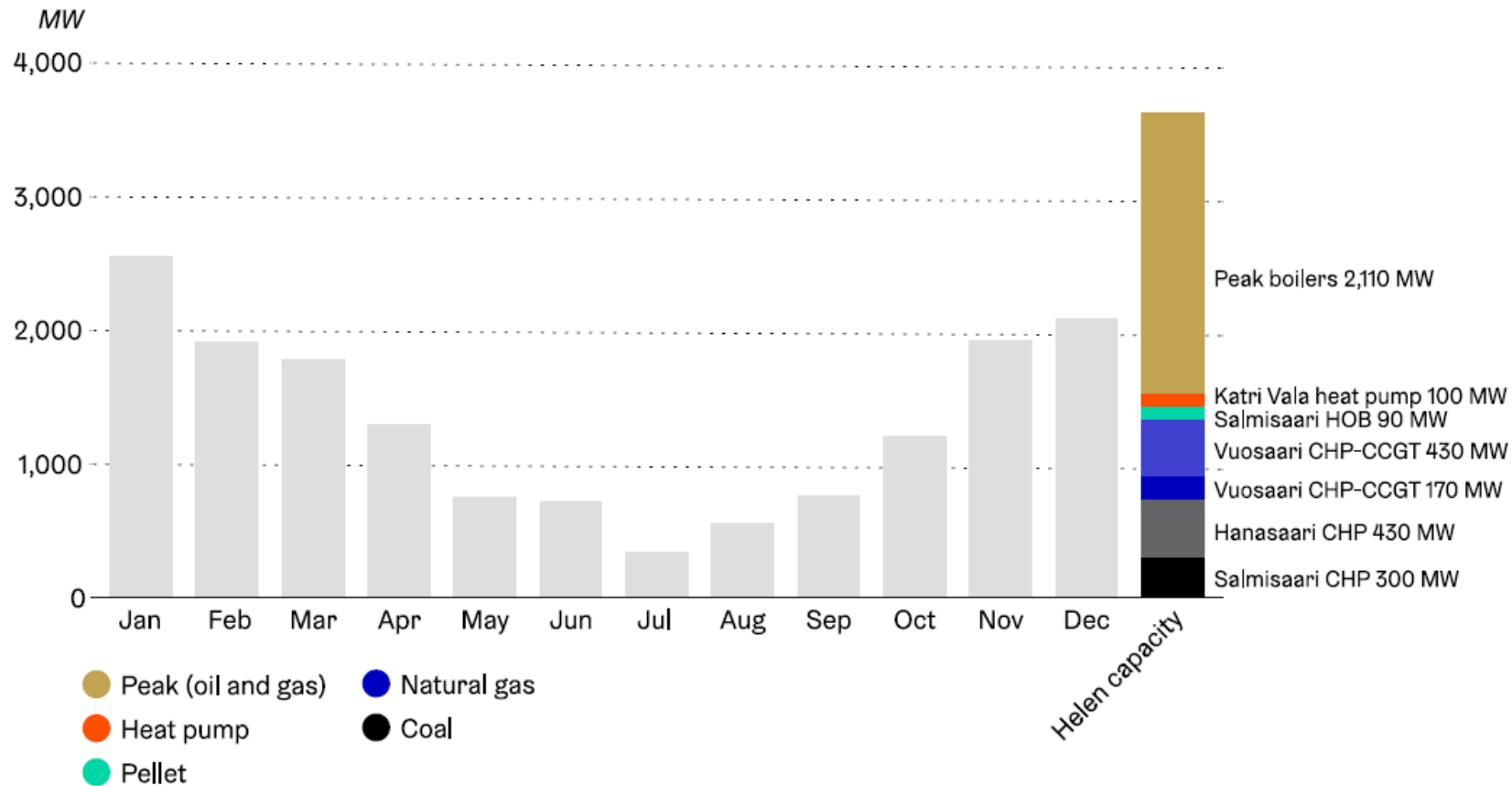
Helsinki district heating demand profile



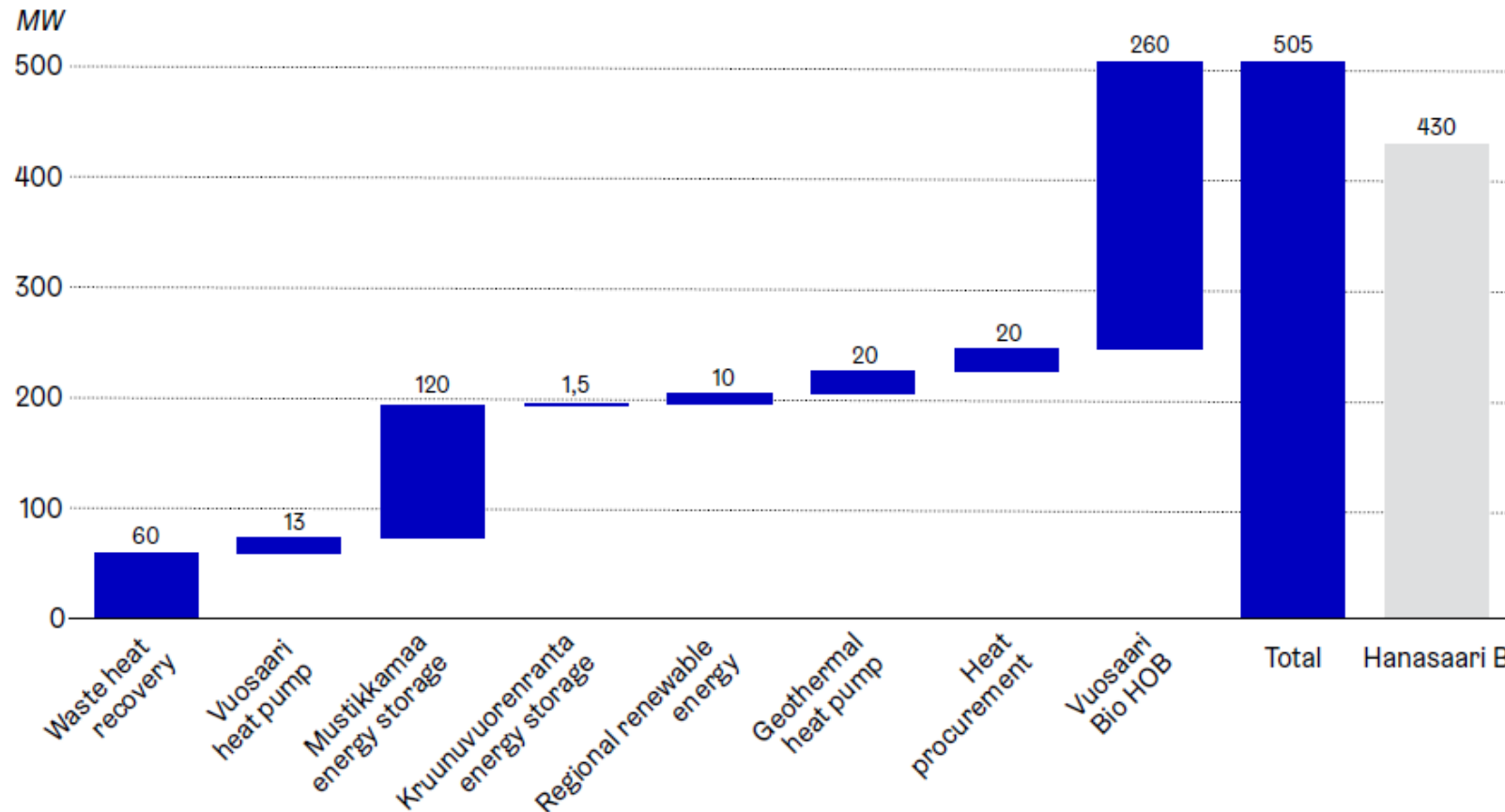
Heat production units and capacities in Helsinki DH network



Heat production capacities and monthly peak loads in Helsinki



The city-owned energy company's (Helen Ltd) indicative plan to replace the Hanasaari B coal-fired CHP plant by 2024 (in capacity terms)



For the other coal-fired CHP plant (Salmisaari), no investment decisions have been made yet.

Thank You.

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