The new biomass CHP in Stockholm

Erik Dotzauer
District Heating in Stockholm
Stockholm Royal Seaport 2030
Biomass CHP – 2016
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Some data about the new biomass CHP

- Forest residues
- Biomass: 2.5 TWh/y, 12 000 m3/d
- Heat production: 1 700 GWh/y
- Electricity production: 750 GWh/y
- Boiler capacity: 330 MW
- Turbine capacity: 130 MW
- Flue gas condenser: 85 MW
- Cavern storage: 50 000 m3
The supply chain
Biomass supply by boat

- Panamax, 120 000 m³
- Coaster, 12 000 m³
Biomass supply by train

- 22 wagons, 480 m
- 3 600 m³/train
- Unloading daytime, 3-4 h/train

Base plan
- 1-2 train/d
- 3-4 coasters/w
- Few Panamax per year
Thank you!