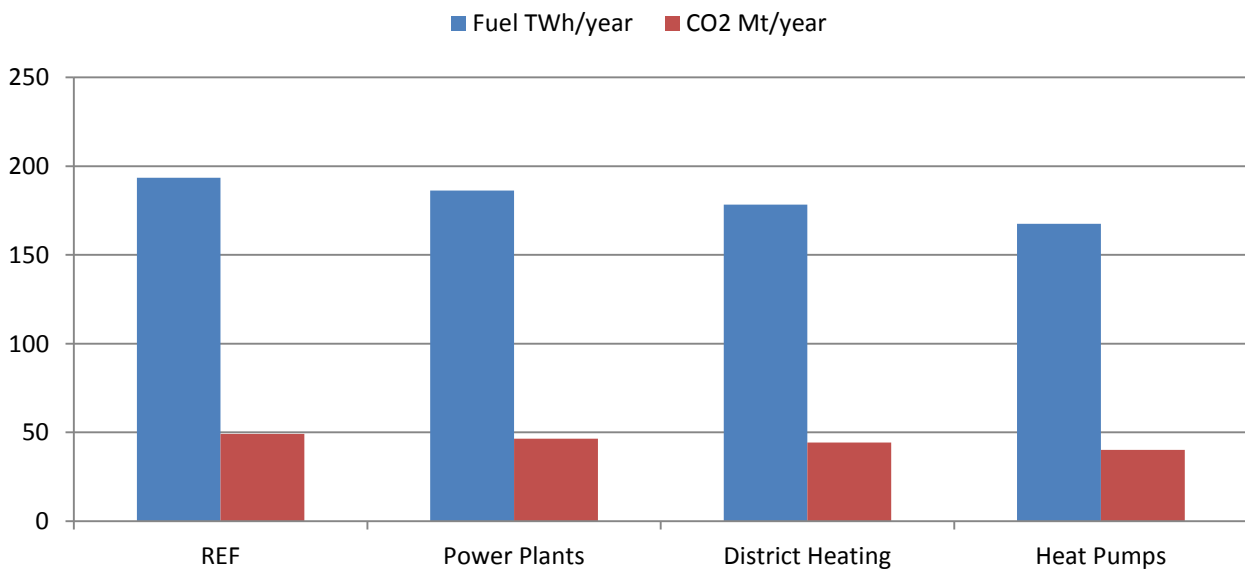
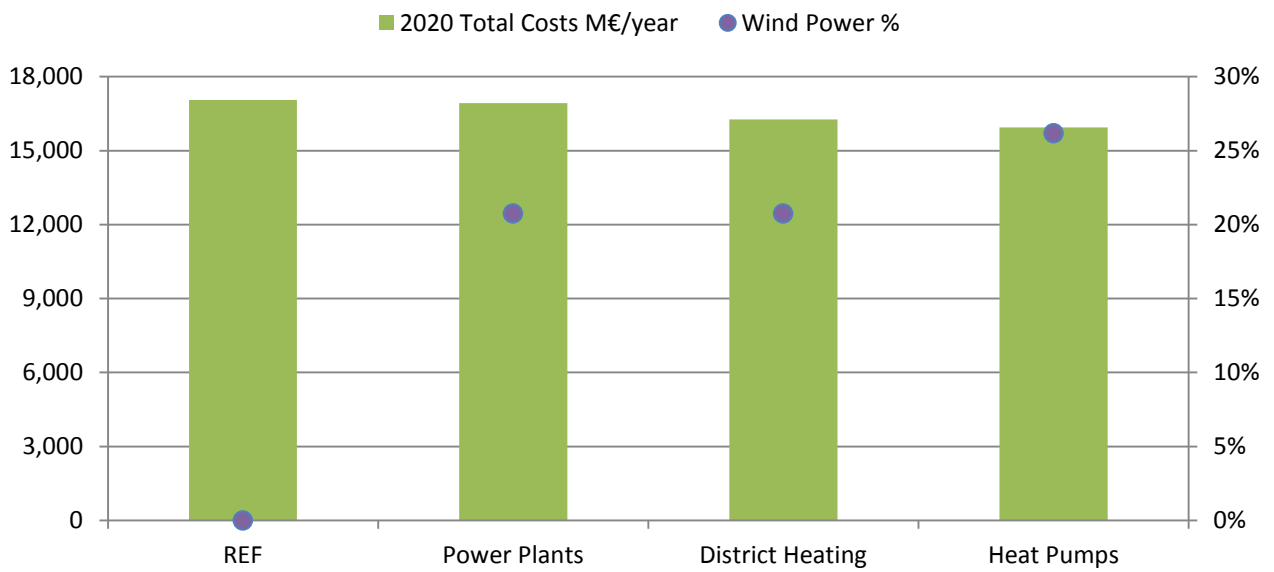


Modelling Renewable Energy Integration Technologies in the EnergyPLAN Tool

Exercise E: Comparison and Discussion of Results

Scenario	Wind Power			CEEP		Fuel	CO2	2020 Total Costs
	%	TWh/year	MW	TWh/year	(% of Demand)	TWh/year	Mt/year	M€/year
REF	0	0	0	0	0	193.4	49.27	17,060
Power Plants	21%	6.22	3,000	0.2	1%	186.2	46.53	16,922
District Heating	21%	6.22	3,000	0.2	1%	178.4	44.31	16,263
Heat Pumps	26%	9.34	4,500	0.6	2%	167.6	40.13	15,940





Discuss the results.

- What would you recommend based on these results?
- What could they be sensitive to?

What other costs would you include?

- CO2 cost?
- Taxes?
- Electric grid costs for heat pump scenario?
- Industry boilers and other infrastructure?
- Planes?

What costs would you exclude?