

Covering the Waterfront: Direct Measurement of Heat Pump Water Heaters

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Background

- ◆ Impact evaluation of 3 programs
 - ◇ CT downstream rebates, ME consumer products, ME low income direct install
- ◆ Direct metering of 136 HPWH's
 - ◇ 2 weeks in electric resistance, 4 weeks in efficient mode
- ◆ Homes randomly selected for metering



HPWH's Save Energy

CT
1,818 kWh

ME CPP
1,893 kWh

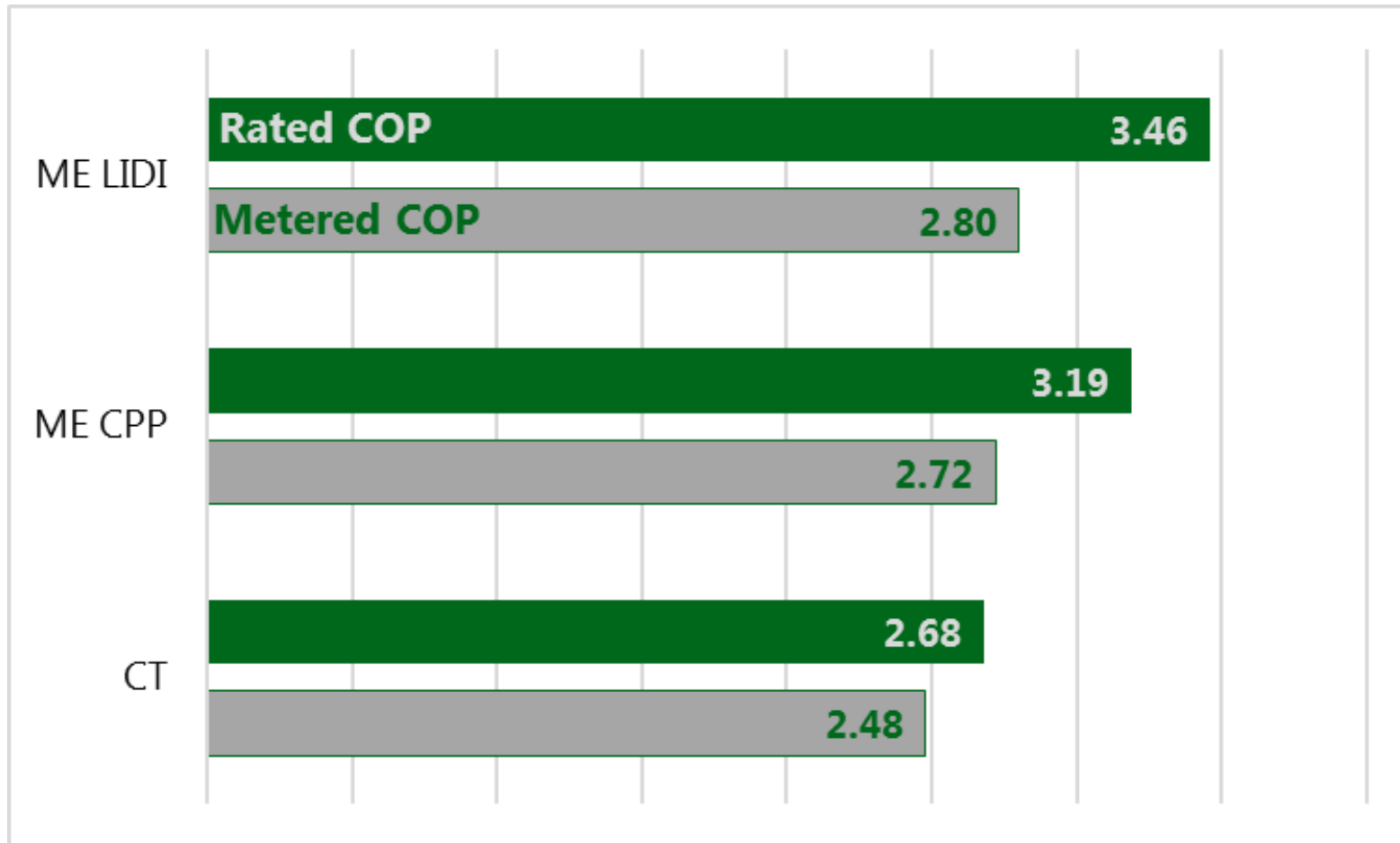
ME LIDI
1,569 kWh



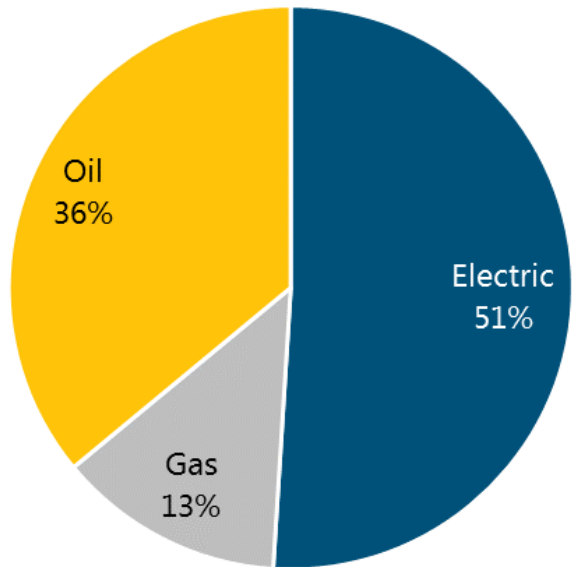
Savings are reliable.



Rated v Metered COP

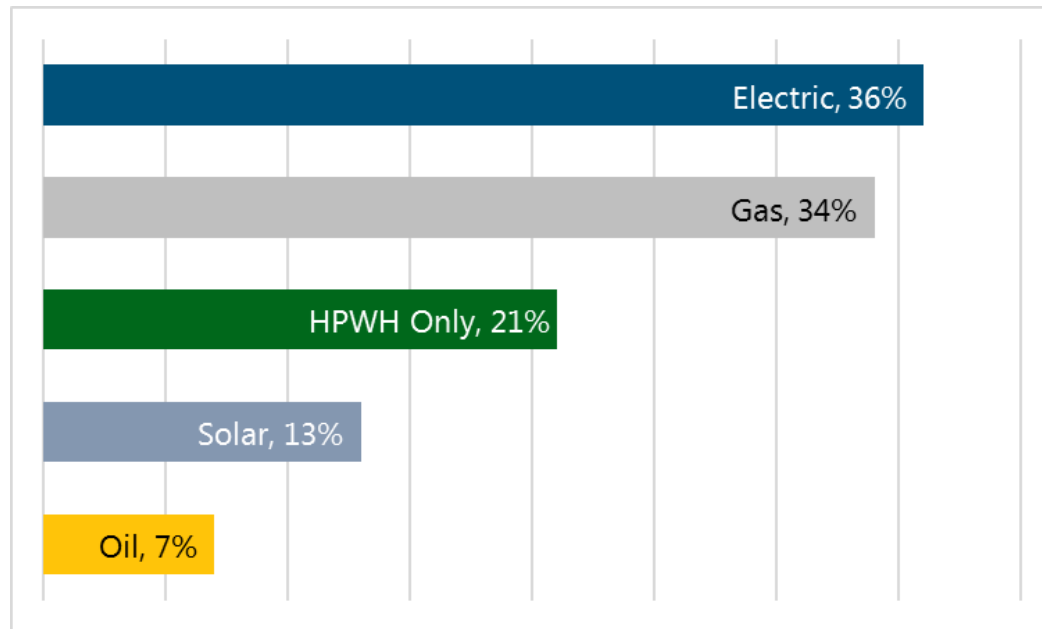


Baseline?



Prior Water Heating Fuel

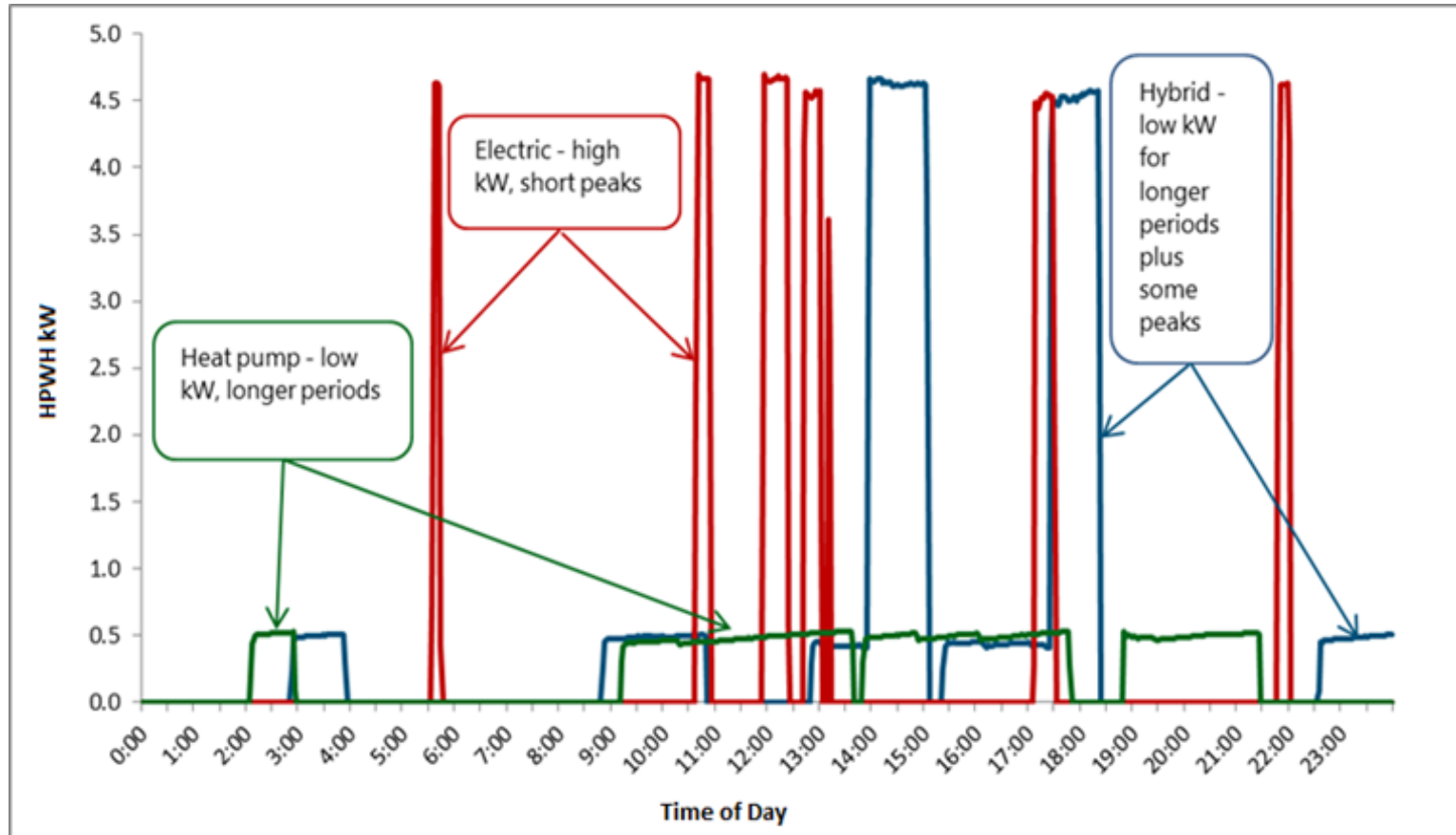
What fuel(s) did you consider?



Multiple choices were allowed.



Load Shifting



People like them

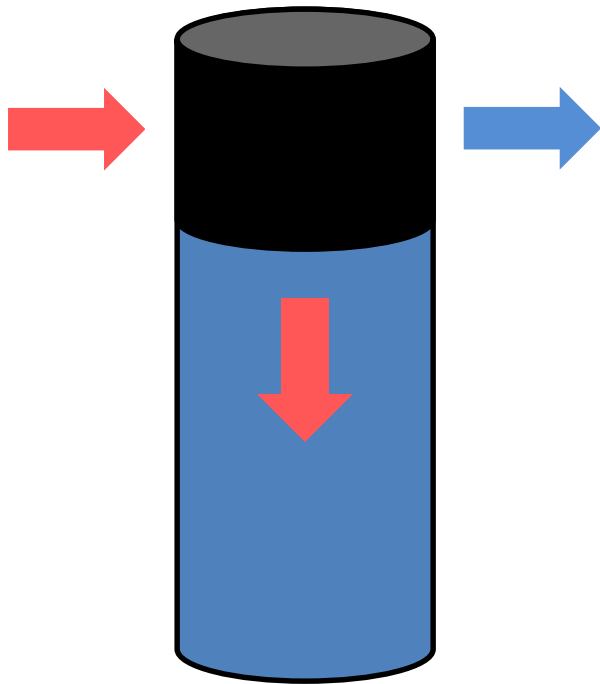


94%
Satisfied

Lowest satisfaction rating was for noise level (81%).



Questions?



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