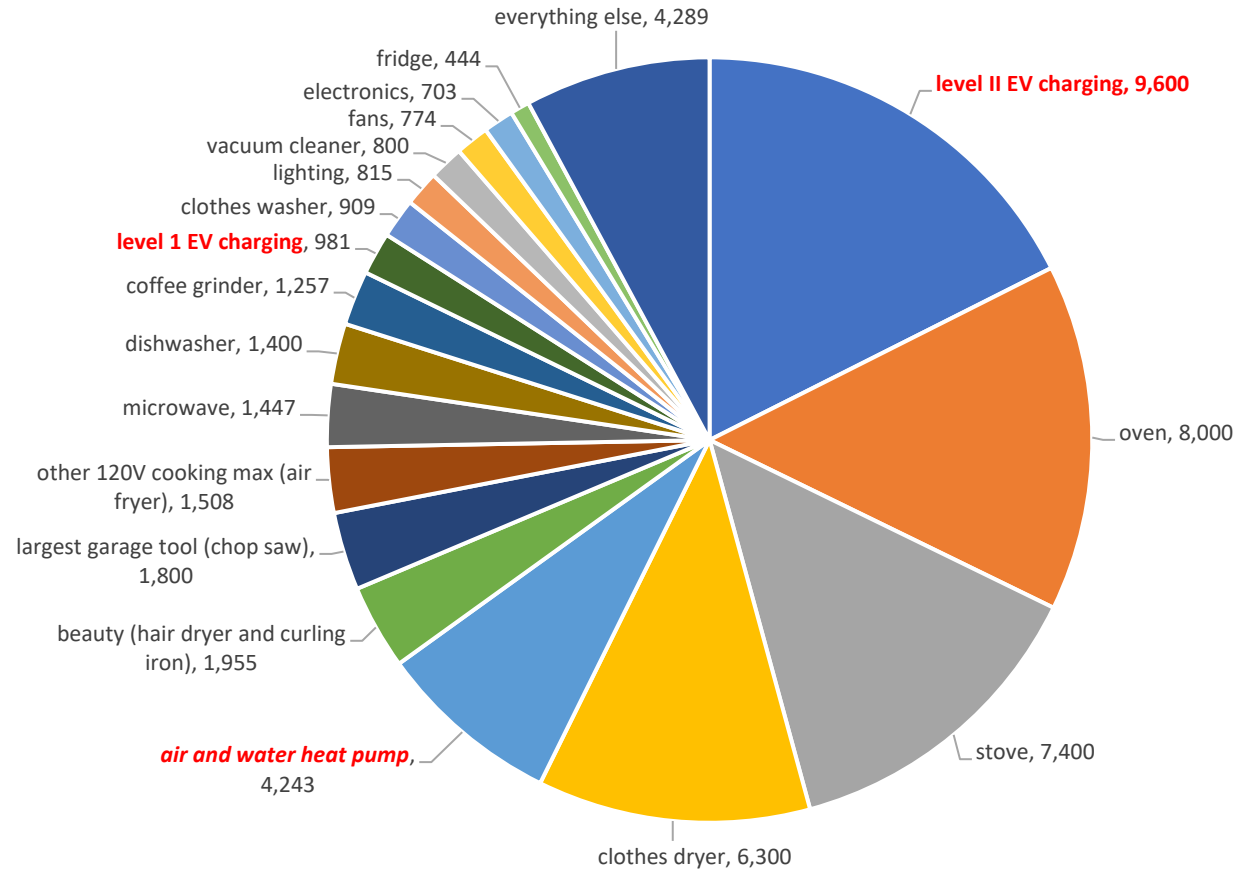


Future Home Power Draws 54,625 Watts Total If All On At Once



We currently have 240 Volt 90 Amp 21,600 Watt service with natural gas air and water heating that was designed to support 39,771 Watts if everything was on at once before adding EVs and heat pump shown in red, 84% above rating.

Increasing service to 125 Amps would achieve a similar 82% above rating for the new all-electric configuration, but the use model for these big new items may be different and warrant a different overload ratio.

The service panel will need to be increased further to enable max current coming from both the grid and solar/battery without overheating the bus bars, minus any devices removed from the critical loads panel.