



TIBONE

te
STUDIO

RJJ
512-889-8277

PROJECT DESIGN BY
te





Airtightness 0.36 ACH₅₀





RJ
STEGORA INC
671-880-8277

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STUDIO









intep

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HVAC Systems

“Northeast Nest”

HVAC Systems

Ventilation

Zehnder, ComfoAir 350 (84% efficiency)

Zehnder distribution system

Effective heat recovery efficiency = 76%

Heating, Cooling, Dehumidification

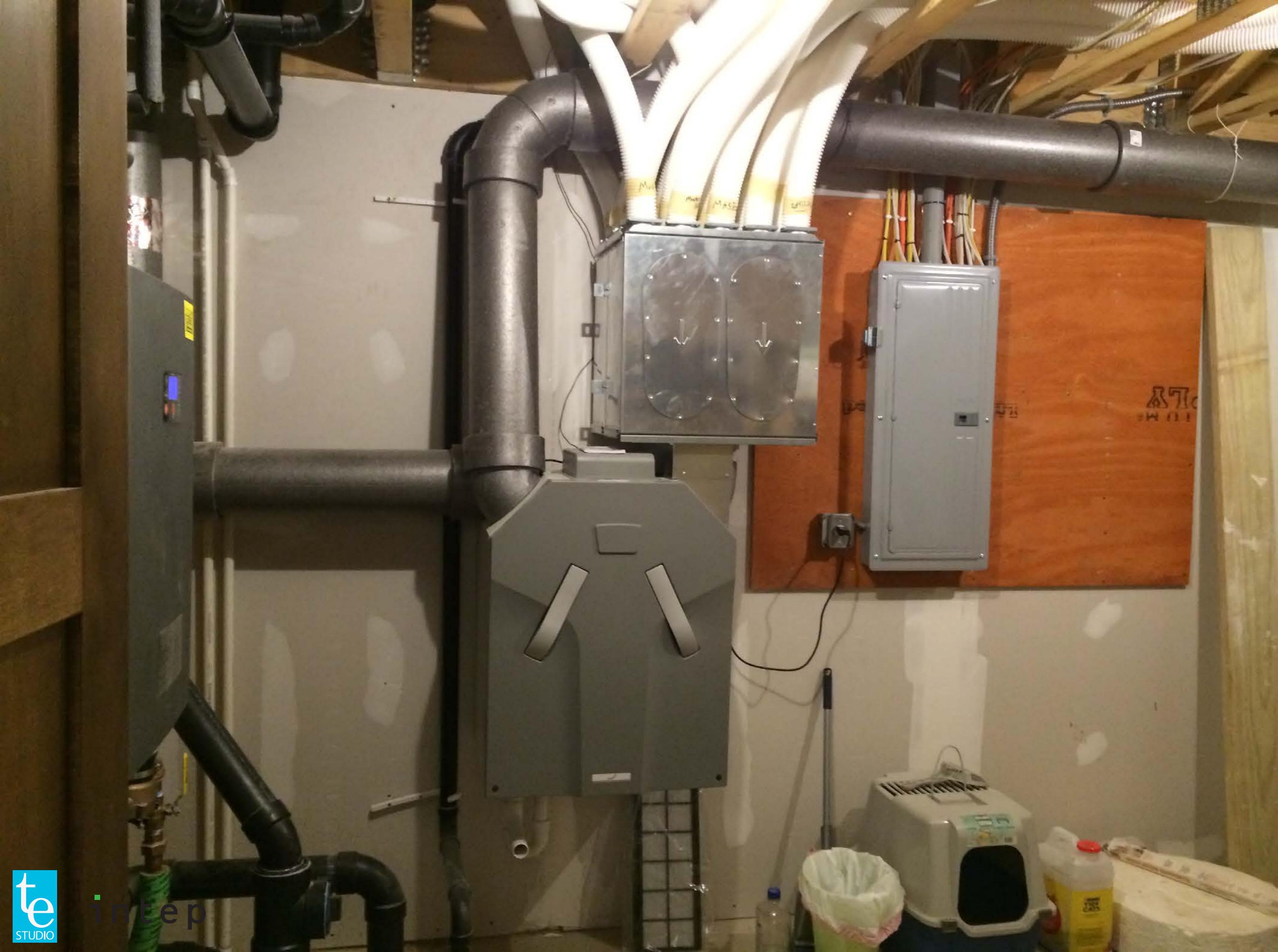
2 recirculating Fujitsu split air-to-air heat pump systems (first floor and second floor) with electric resistance backup post heater; system also provides cooling and dehumidification; sheet metal ductwork

Mantis gas fireplace; direct vent; modulating: can augment heating on coldest days of the year; will be used throughout the winter for enjoyment.

Electric resistance panel heaters (basement)

Domestic Hot Water

Boiler, IntelliHot i-200P tankless on-demand gas hot water heater with continuously insulated PEX tube distribution



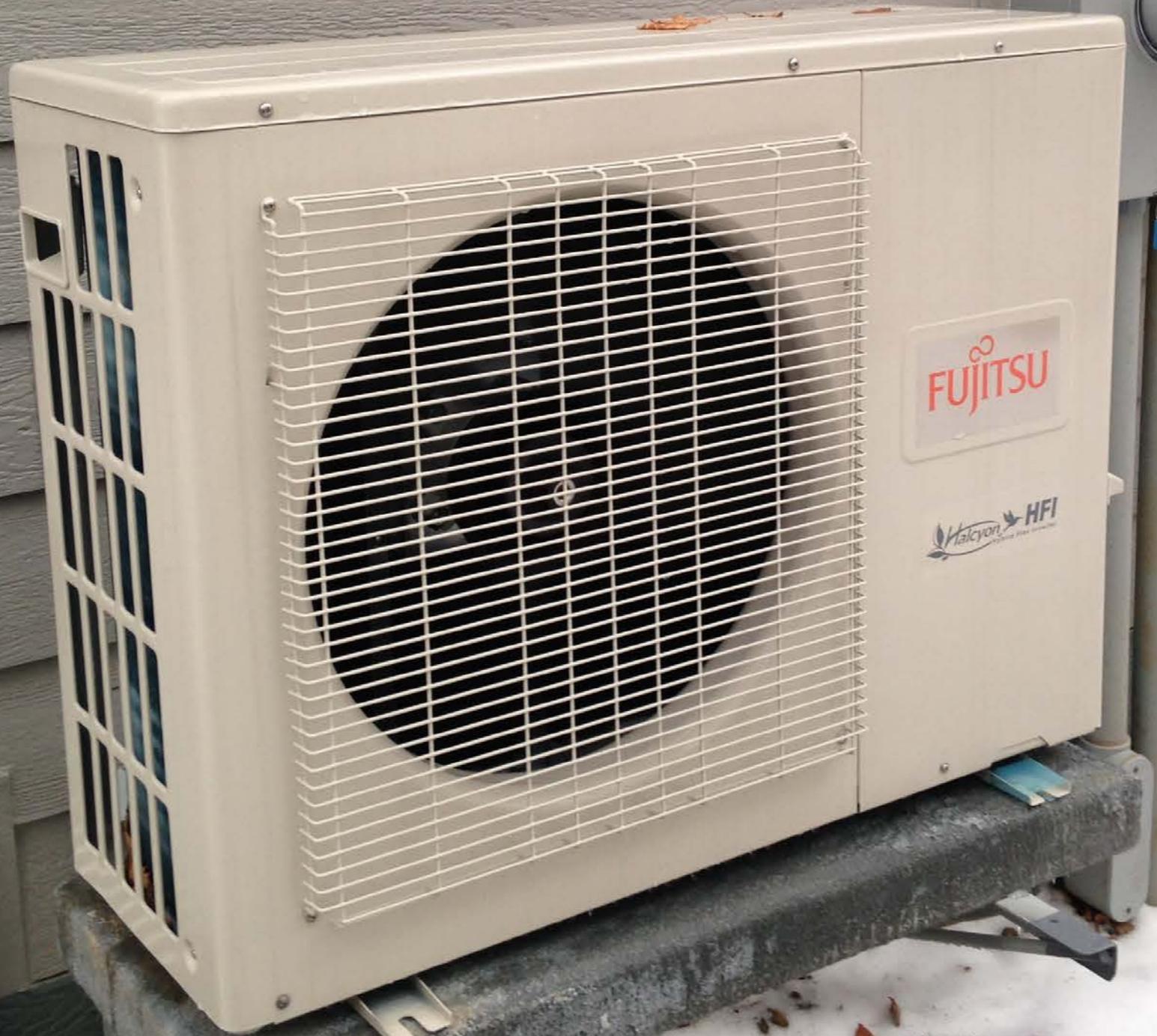






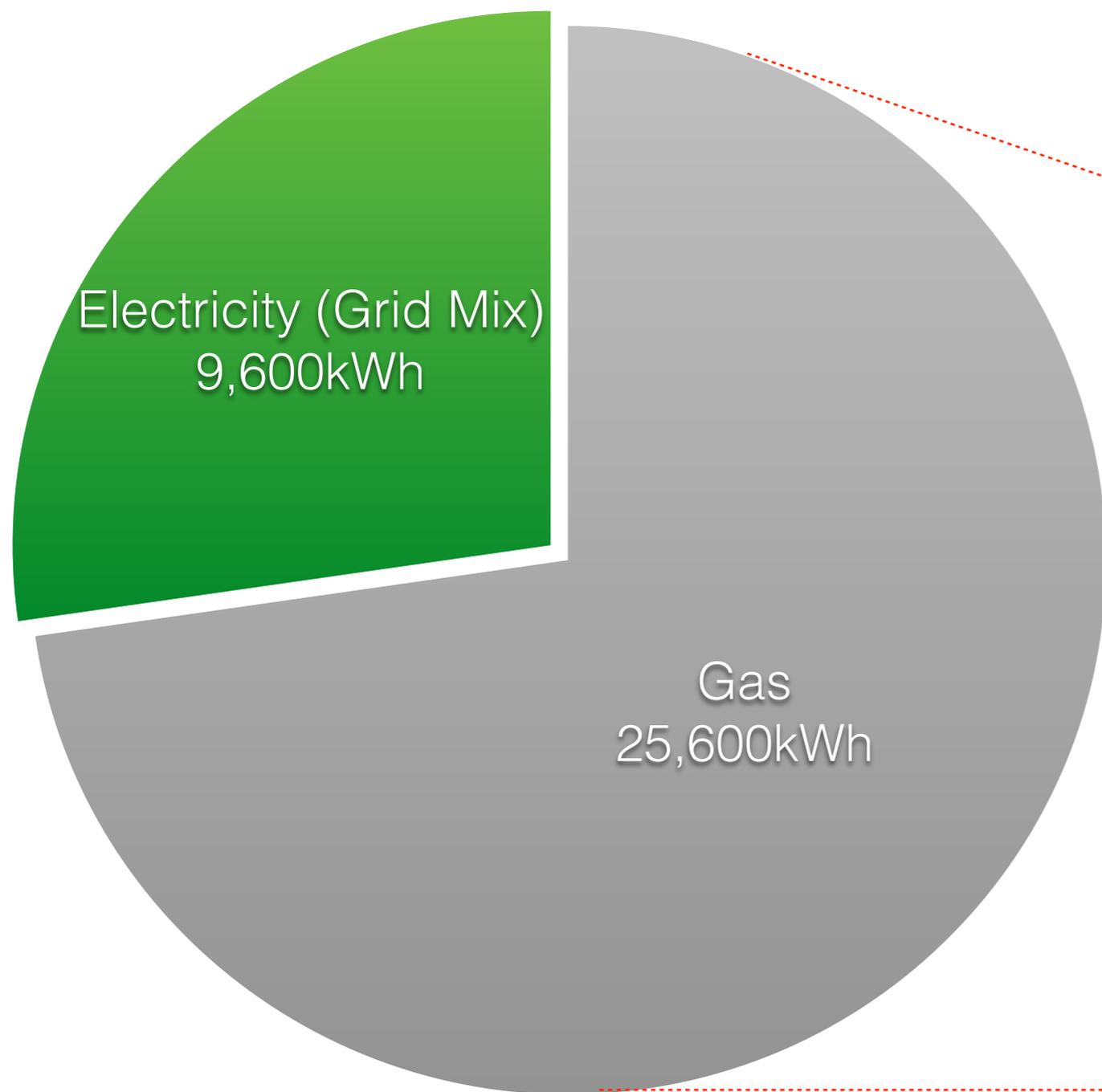


Klein
Fred air



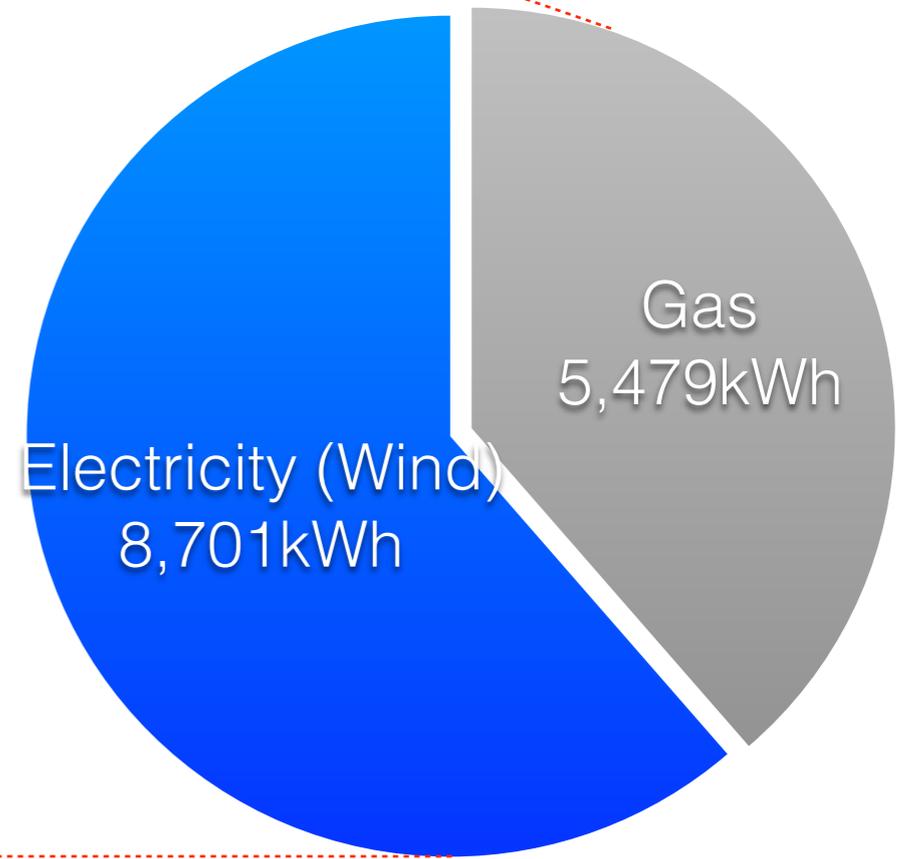
Energy Footprint (Northeast Nest)

Average MN Home



60% less energy

Northeast Nest

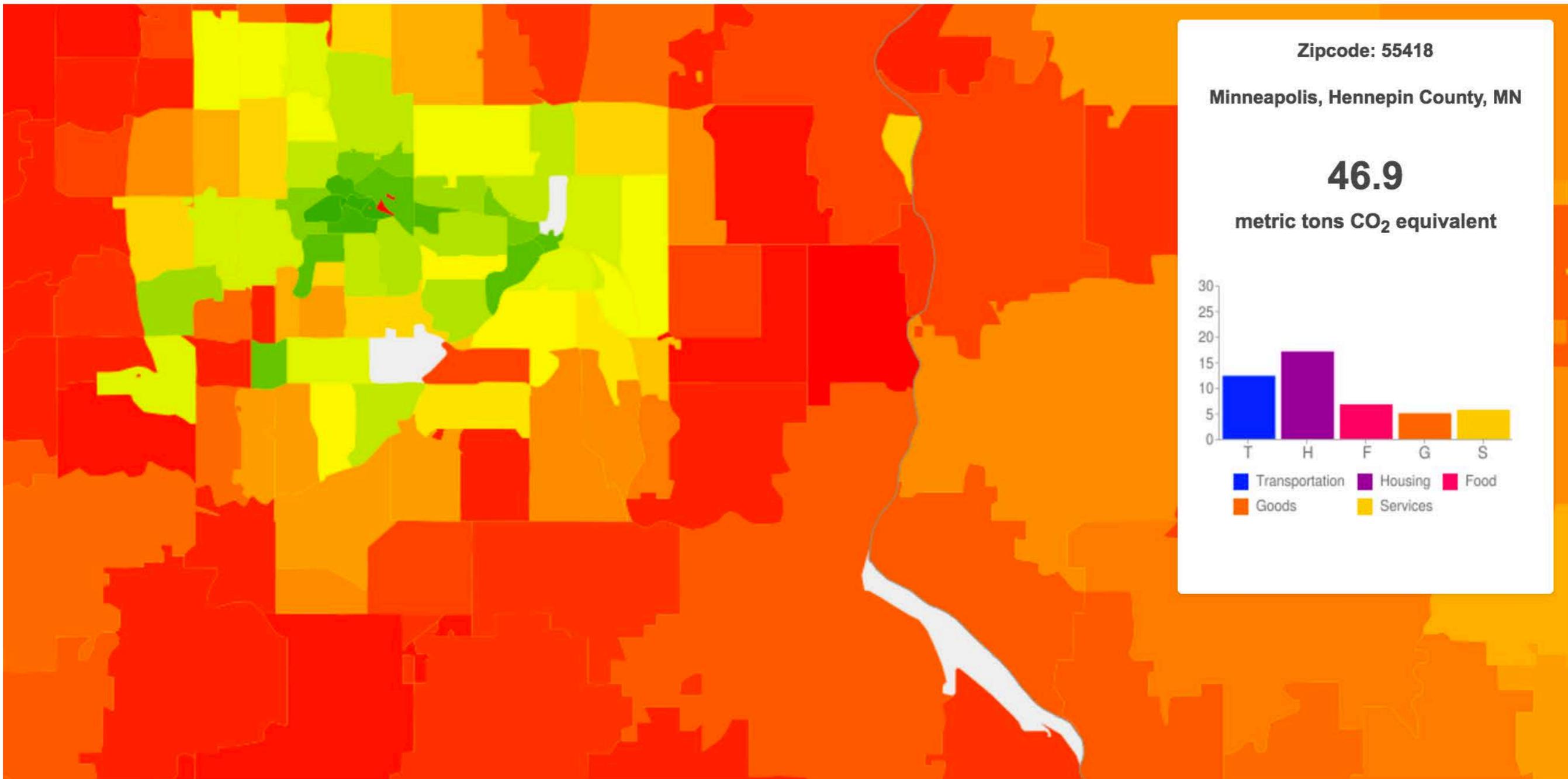


Offset





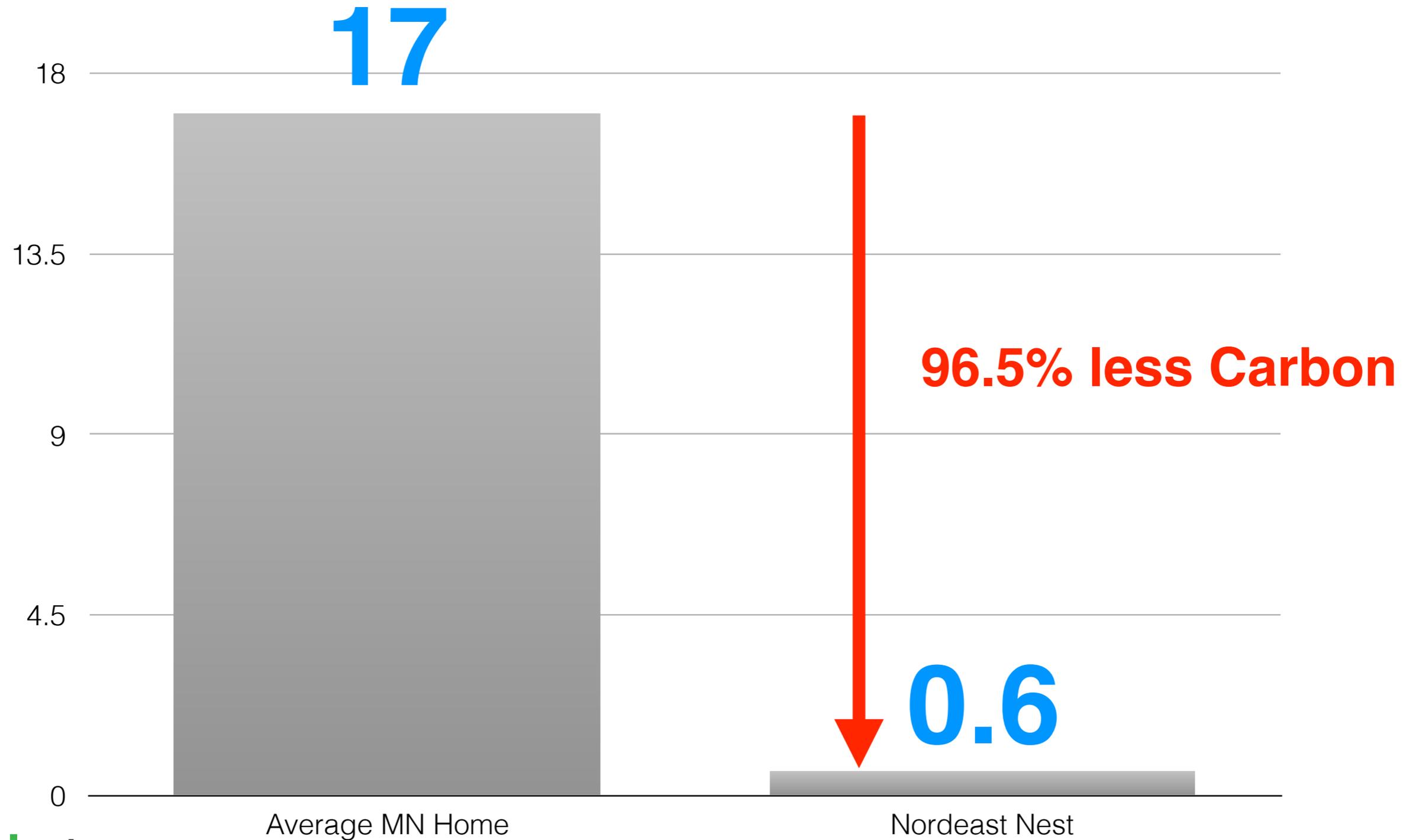
Carbon Footprint MN 55418



#1 is Housing: Approx. 17 tons

Carbon Footprint

■ Carbon Footprint in metric tonnes





2
3
3
5

