

Case study: High performance retrofit of a 1930's home



"They brought everything together for us, from the design work to the technology to access to all of the government programs"

- T.C, homeowner

At the heart of Village Technologies' work lies helping our clients undertake energy efficiency retrofits of their homes.

Brought into the project by the homeowner and their general contractor, our work on this 1930's east-end bungalow started with scheduling an energy audit which provided baseline energy performance data. Using this data, we modeled out design scenarios looking at technology choices, up-front costs and the impact on ongoing energy expenses.

Having costing scenarios enabled the homeowners to choose the systems that met their budget and performance expectations.

Choices by the homeowner included:

- A geothermal heating and cooling system
- In-floor radiant heating
- An energy recovery ventilator that both improves indoor air quality and pre-treats incoming fresh air with the embedded heat of the exhaust air
- A drain heat recovery system that recycles more than 50% of the heat in drain water
- An on-demand water heater that ensures a continuous supply of hot water and ongoing energy savings.

For these systems, Village Technologies developed a project schedule, arranged the trades and suppliers and oversaw the work, ensuring that quality was maintained and that the contractor's scheduling was met.

If you would like to discuss your vision of turning your home into a high-performance home, call us or visit us online.

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