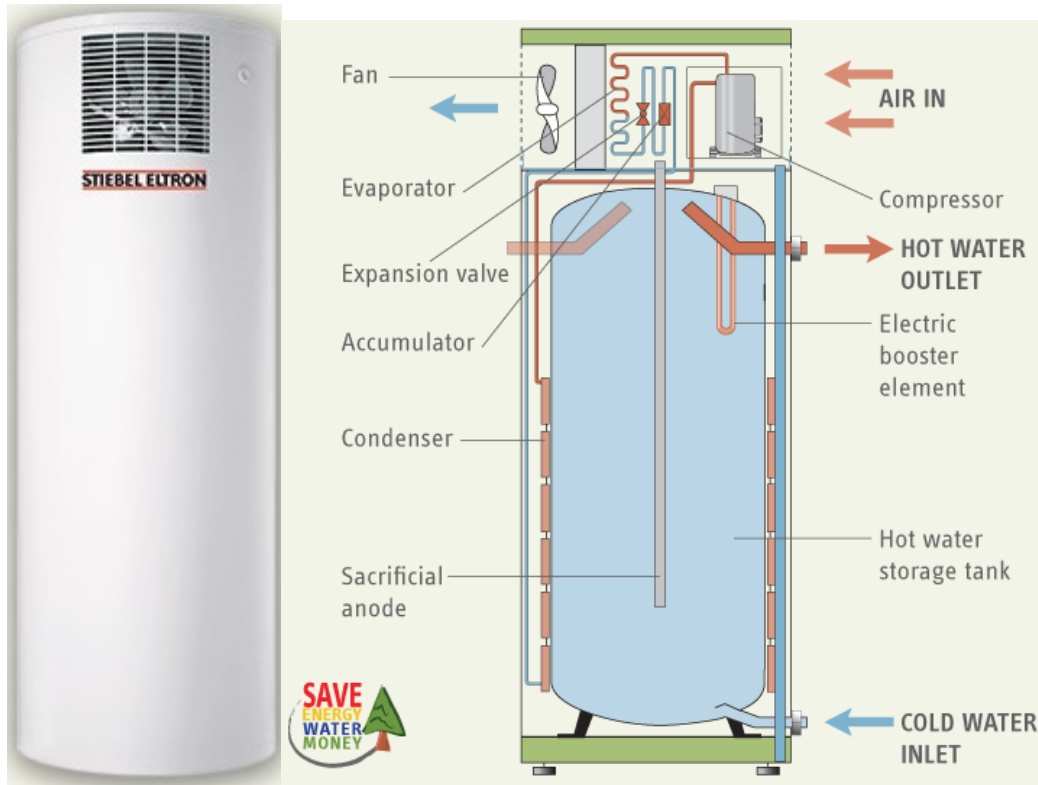




Air Source Heat Pump Water Heater and Boiler Optimization Proposal

*Proposal pricing subject to change



Project Summary

System	Performance	Cost	Incentives	Net Cost
Stiebel Eltron Accelera® 300 Heat Pump Water Heater	This water heater has a COP of 2.5 and Energy Star Certification		-(\$300) Efficiency Maine Rebate -(\$300) Federal Tax Credit	
	Downfiring Oil Boiler			

Specializing in alternative heating technology: pellet boilers, pellet stoves, wood boilers & oil boiler efficiency optimizations

Bangor/Brewer Region
(207) 989-8500

Greater Portland
(207) 221-5677

www.revisionheat.com

Overview

Based on an evaluation of your domestic hot water demand and the current oil boiler, reVision heat proposes to install one Stiebel Eltron Accelera® 300 heat pump water heater to replace existing . The water heater will be located . The Stiebel Eltron Accelera® 300 heat pump has many features that make it among the most efficient ways of heating hot water using fossil fuel. The heat pump uses a compressor to effectively take the heat out of the basement and put it into your tank. The unit will dehumidify the basement at the same time, and operates with a seasonal efficiency of 2.5 to 3.0, which means it uses electricity 2 ½ to 3 times more efficiently than resistive electricity. Because the heat pump tank holds 80 gallons of hot water, you'll be hard pressed to run out, as the average family only uses 64 gallons a day.

Cost Comparison

Oil, @ \$3.25/gallon, with a seasonal efficiency of 50% costs..... \$46/Million BTU

Natural Gas @ \$1.40/therm with a seasonal efficiency of 80% (on demand water heater)
costs.....\$17.50

Green Electricity at \$.17/KWHR with a seasonal efficiency of 300% costs.....\$16.70/Million BTU

System Operation

Whenever there is a call for hot water, cold water flows through the tank, cooling the water in the tank. When the temperature falls sufficiently, the water heater activates and pulls hot air out of the space and, through the use of a refrigeration cycle, puts that heat into the tank. As the heat pump is heating the water, it is pulling humidity out of the air. Note, the heat pump runs on an aquastat, so the amount of hot water you use will determine the amount of humidity that is pulled out of the air, not the humidity level. We cannot guarantee that the heat pump will completely replace your dehumidifier, but we can ensure that it will greatly reduce the need to run it.

Warranty

Stiebel Eltron provides a 10 year warranty on residential series water heaters.
reVision heat provides a 1 year warranty on all labor.

Price to include the following:

- Purchase and installation of the water heater
- Cold Start Aquastat
- Taco 504 Pump Controller
- Condensate Pump
- All necessary licenses and certifications for a code-compliant installation
- Cold starting existing oil boiler

Optional Smart Controls Upgrade

For an additional charge of \$375 we can install one Intelledyne boiler controller. This controller will allow the boiler to run for fewer cycles and at a cooler temperature for additional savings of between 5-10%.



Payment Terms

1/2 due upon signing installation agreement

Balance due upon completed installation

Incentives

- This installation should qualify for a \$300 Efficiency Maine Heating Appliance Rebate program, which entails a simple web based application process. For more information on that program visit:

http://www.energymaine.com/residential_programs_appliancepu.htm

- This heat pump will qualify eligible taxpayers for a \$300 federal tax credit. For more information, visit: [http://www.dsireusa.org/incentives/incentive.cfm?](http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=US43F&re=1&ee=1)

[Incentive_Code=US43F&re=1&ee=1](http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=US43F&re=1&ee=1).

Please check with your tax professional for more information about this rebate.

Next Steps: When you are ready to proceed with this project, please contact reVision heat and we will send you an installation agreement for signature as well as an invoice for the initial deposit. Prices quoted valid for 30 days from date of proposal.

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