Drain Water Heat Recovery

Recapture heat energy for impressive savings

Hot water heating is one of the largest energy loads for single and multi-family dwellings. When heated drain water leaves a building, so does the energy used to heat that water. Drain water heat recovery systems recapture this lost energy and use it to preheat the water in your tank, so water heaters work less often.

Reduce water heater energy up to 60%
Save up to $350 per year

Increase water heater capacity
Replenish the tank faster

Reduce run times
Heaters are off more frequently and use less energy

Act now to receive reimbursement on Drain Water Heat Recovery devices

- Incentives cover devices in single or multi-family housing, owned or rented, residential and commercial properties. Renters are encouraged to ask their landlords to contact us for incentive details.
- Our customer support team can provide technical consultation and quickly connect you with a building trade professional.

To redeem savings

- ✓ Call for incentive details. Let one of our energy consultants help you identify the best heat recovery system for your structure.
- ✓ Proper installation is key to performance.

Heat recovery: It's not just for showers

Commercial dishwashers, laundry, hotels, schools, restaurants, dairy milking operations... opportunities abound!

Get started today

Call us to learn more:
888-921-5990

Rebate offer subject to change

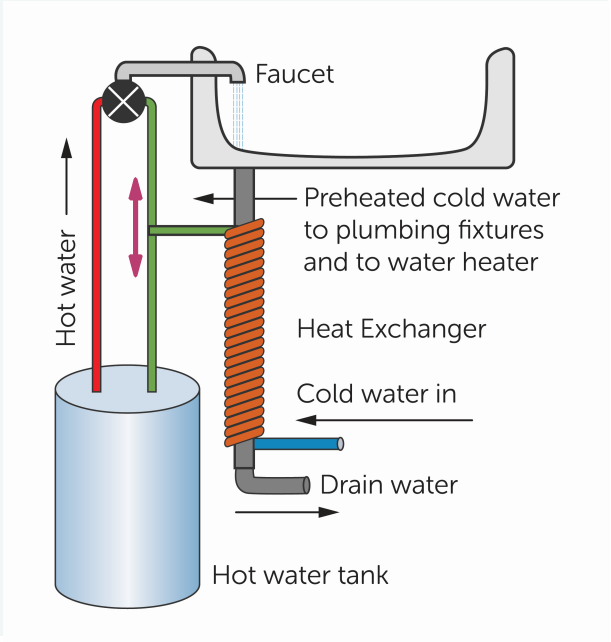
Call us today to start saving

Efficiency Vermont
888-921-5990
efficiencyvermont.com

Burlington Electric Department
802-865-7337
burlingtonelectric.com/rebates

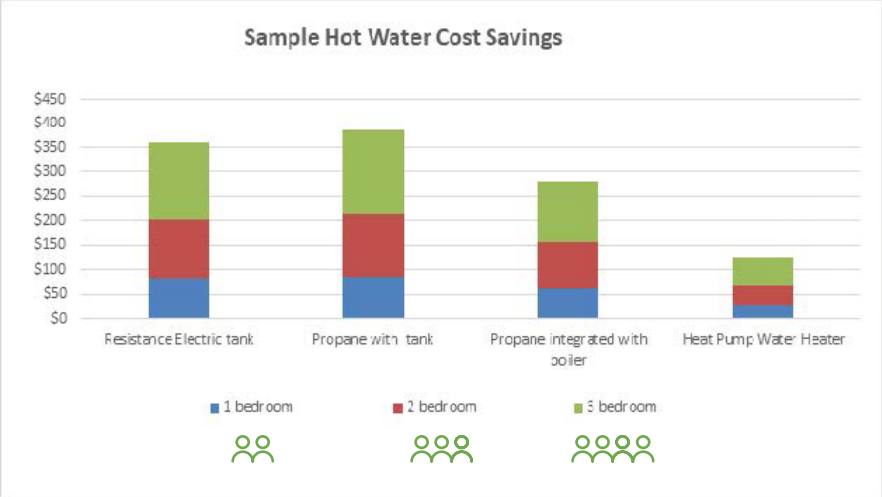
How does Drain Water Heat Recovery work?

DWHR systems have a copper heat exchanger that replaces a section of a drain. As warm water flows down the waste drain, incoming cold water flows through a spiral copper tube wrapped tightly around the copper section of the waste drain. This preheats the incoming cold water that then goes to the structure's water supply.



Optimize with best practices at installation

- **Target Equal Flow:** Maximize energy efficiency and savings by channeling water correctly. Supply preheated water from the heat exchanger to both the water heater inlet and cold side of shower valve.
- **Avoid Unequal Flow:** Don't lose recovered heat. When preheated water is only supplied to the water heater inlet, it reduces savings by 20%.



Who is a good candidate for DWHR?

- An ideal candidate for DWHR will have two or more occupants and a minimum of 4 feet of vertical drain line that serves one primary shower.
- Close proximity of drainpipes to the water supply will keep the installation costs low. New construction projects are usually good candidates.

Building efficiency projects for more savings

DWHR technology works with most types of water heaters but will complement a heat pump water heater installation by improving its efficiency. When DWHR systems preheat cold water, they

- increase water heating capacity
- improve recovery time
- reduce noise and cooling effect
- operate water heater in heat pump only mode for greater efficiency

For maximum energy savings, bundle DWHR with other efficiency measures, such as low-flow fixtures or shower heads, and pipe insulation. Project payback periods can be reduced to return on investment faster when combined with additional incentives. .

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