

## Comparing Technologies

We understand that you have choices for reducing water heating costs. Should you choose the Power-Pipe®, an on-demand water heater, or a solar water heating system? The Power-Pipe® works in combination with any other water heating technology, allowing you to install a combination of products. It is, however, the most cost-effective solution available and is therefore your best first choice.

- ◆ If you currently use a standard water heater, the Power-Pipe® will save you up to twice as much energy than an on-demand water heater and will cost about 65% less (including installation).
- ◆ While a solar water heater can save up to 50% on your water heating, the Power-Pipe® will cost you about 80 to 90% less (including installation), and will provide year-round savings, and is maintenance-free.

## Comparing the Power-Pipe® to other energy saving options

	ENERGY SAVINGS	RETURN ON INVESTMENT†
Power-Pipe® Model R3-60	25 - 35%*	10 - 50%
On-Demand (Tankless)	9 - 18%‡	3 - 12%
Solar Water Heating	35 - 55%	3 - 6%

## Quotations

*"I want [a Power-Pipe®] in my house as soon as possible....If I can recover the energy from [my drain water], then great!"*

DAVID SUZUKI, CTV News, April 25, 2006

*"The Power-Pipe® is a practical and durable maintenance-free energy saver that doesn't ask me to change my lifestyle in any way. I'm amazed at its performance and simplicity of installation. I think it should be installed in every home."*

Richard C., Engineer, Montréal, Québec

*"The Power-Pipe® is a high quality product that saves us energy daily. We really notice the Power-Pipe® in action during our showers."*

William M., Ph.D., North Adams, Massachusetts

*"I'm thrilled with our Power-Pipe®....I'm reducing my emissions and saving money. The Power-Pipe® will have paid for itself in no time. I also love the bonus of never running out of hot water in the middle of a shower again. Even when everyone....wants to start their day with a shower, its OK."*

Pauline R., Waterloo, Ontario

## Program Points

PROGRAM	MAX AVAILABLE POINTS
LEED Homes USA	6 pts
LEED Homes Canada	9 pts
NGBS	17 pts

\* For a Power-Pipe® model R3-60 according to Natural Resources Canada, September 2008. Larger units will have higher expected maximum savings while smaller units will have lower expected maximum savings.

† Equivalent to tax-free interest earned on an investment.

‡ For non-condensing On Demand Water Heaters, based upon the State of California 0.92 Energy Factor de-rating of Instantaneous (On Demand) water heaters and the fact that On Demand water heaters only consume energy during the space heating season. See "2008 Residential Compliance Manual." Building Energy Efficiency Standards. California Energy Commission, May 2009.

PERFORMANCE AND SAVINGS VERIFIED BY:  
Natural Resources Canada  
and The University of Waterloo



**POWER-PIPE®**



Developed & Manufactured in Waterloo, Ontario by:



[www.power-pipe.com](http://www.power-pipe.com)

TOLL FREE: 877.606.5559

For more information, please contact your local Power-Pipe® supplier:

**Don't let your money  
go down the drain....**

Did you  
know?

Water heating is the  
**2<sup>nd</sup> highest** energy expense  
for the average home.

With a **Power-Pipe®**  
you can **lower** your  
water heating costs  
by up to 35%\* ...

....and **reduce**  
your home's greenhouse  
gas emissions by up to  
1 ton per year.

[www.power-pipe.com](http://www.power-pipe.com)

# Savings

## Lower your water heating costs.

Every time you take a shower valuable energy goes down the drain. Sounds obvious, right? But have you considered the financial investment that you have in your hot water? With a Power-Pipe®, you can reduce your water heating costs by up to 35%\*.

## Reduce your energy consumption.

You are likely familiar with energy conservation. Water heating accounts for 20-30% of your home's energy usage. The Power-Pipe® can reclaim up to 35%\* of that energy, so that your home's greenhouse gas emissions are reduced by up to 1 tonne per year.

## Power-Pipe® installation.

The Power-Pipe® can be easily installed in most homes. It requires no maintenance and normally lasts 50 years or more.

## The Power-Pipe® delivers other benefits.

It should extend the life of your water heater. What's more, the Power-Pipe® will greatly increase your effective hot water capacity allowing you to decrease your water heater set point temperature by several degrees. As a result you will reduce the risk of scalding, save even more energy, eliminate having to increase your hot water tank size and reduce the chance of running out of hot water.

conserve



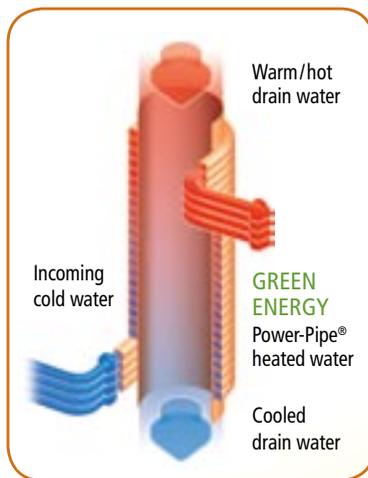
## How it works.

The **POWER-PIPE®** is simple: it consists of copper tubes wrapped around a copper drain pipe. The waste water from your shower flows down the copper drain pipe, clinging to the inner surface as a very thin film. At the same time, cold fresh water travels up through the wrapped copper tubes. The heat in the waste water travels safely and efficiently through the copper and into the cold fresh water. How could energy conservation be any simpler?

## Where's the proof?

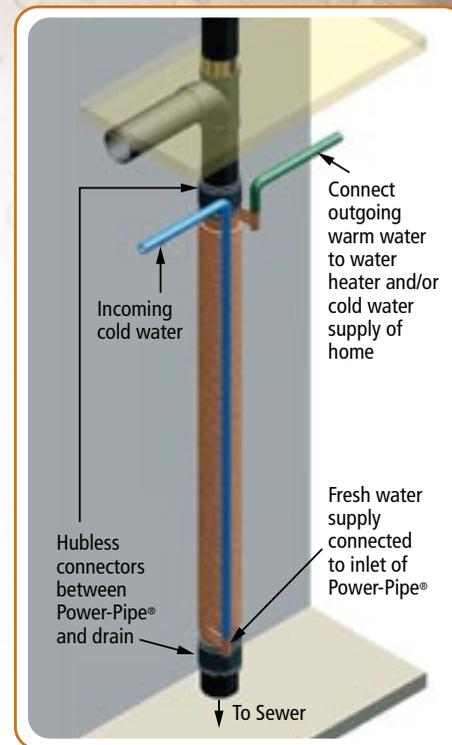
Drain water heat recovery (DWHR) is an established energy-saving technology. Numerous utilities and governments across North America offer financial incentives for home-owners who purchase DWHR systems. The Power-Pipe® has been extensively tested by Natural Resources Canada (CANMET) and the University of Waterloo. When shopping for your DWHR unit, remember that only the Power-Pipe® delivers top performance with no noticeable loss in water pressure.

Reduce water heating costs by up to 35%\*.



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\* For a Power-Pipe® model R3-60 according to Natural Resources Canada, September 2008. Larger units will have higher expected maximum savings while smaller units will have lower expected maximum savings.



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## Installation

Installing a Power-Pipe® is straightforward. The unit replaces a vertical section of your existing drain stack (whether it is plastic, cast iron, or copper) and is connected to your fresh water system. For the best possible results, the heated fresh water leaving the Power-Pipe® should be routed to the inlet of your water heater as well as to your cold water fixtures. Now when you have a shower, both your hot water and your cold water contain safely recycled energy. Your water heater heats less water and heats water less.

It requires no maintenance and should extend the life of your water heater.

simplicity