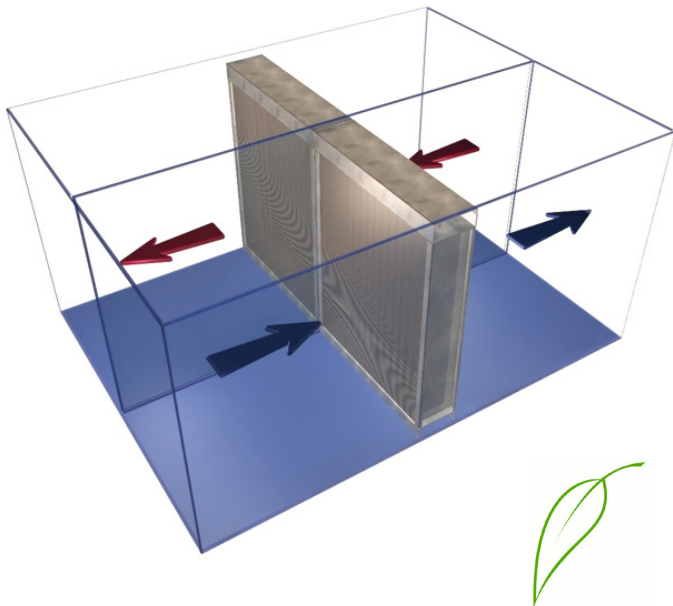


HEAT PIPES for air-to-air heat recovery



Colmac Heat Pipes capture and reuse valuable energy!

ANNUAL SAVINGS POSSIBLE WITH COLMAC HEAT RECOVERY HEAT PIPE, \$/yr				
Exhaust Airflow Rate, SCFM				
	10,000	25,000	50,000	75,000
Location				
Phoenix	\$ 4,557	\$ 11,392	\$ 22,785	\$ 34,177
Denver	\$ 12,446	\$ 31,116	\$ 62,232	\$ 93,349
Atlanta	\$ 6,123	\$ 15,309	\$ 30,617	\$ 45,926
Chicago	\$ 13,240	\$ 33,100	\$ 66,200	\$ 99,299
Boston	\$ 11,740	\$ 29,350	\$ 58,699	\$ 88,049
Las Vegas	\$ 6,189	\$ 15,472	\$ 30,944	\$ 46,415
NYC	\$ 9,791	\$ 24,477	\$ 48,954	\$ 73,431
Houston	\$ 4,039	\$ 10,096	\$ 20,193	\$ 30,289
Seattle	\$ 8,864	\$ 22,160	\$ 44,320	\$ 66,480
Edmonton	\$ 19,514	\$ 48,786	\$ 97,572	\$ 146,359
Vancouver	\$ 10,833	\$ 27,083	\$ 54,166	\$ 81,249
Toronto	\$ 14,750	\$ 36,876	\$ 73,752	\$ 110,628
Montreal	\$ 17,988	\$ 44,971	\$ 89,942	\$ 134,913

Calculated savings based on:

1. ASHRAE HDD65 and CDH74 climate data.
2. Cost of electricity = \$0.10/kWh
3. Cost of natural gas = \$10/MCF
4. Chiller efficiency = 0.65 kW/TR
5. Boiler efficiency = 80%
6. Heat Pipe heat recovery efficiency = 65%



Colleges Hospitals Gymnasiums Prisons Schools Military Casinos

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CUSTOMERS SAVING ENERGY WITH COLMAC HEAT PIPES:

Casinos

Lucky Eagle Casino (Oct 2011)
Eagle Mountain Casino (Oct 2012)

Community Centers

Northeast Community Center (March 2010)
Federal Way Support Services (Sep 2011)

Condominiums/Villas

Sheik Villa (July 2009)

Correctional facilities

Jefferson County Corrections (Oct 2007)
Washington State Penitentiary (Feb 2012)

Fish hatcheries

Wild Rose Fish Hatchery (Feb 2007)

Food processors

Tyson Foods (Jan 2009)
Ellison Meats (May 2009)
Land o'Lakes (Sept 2009)
Sara Lee (April 2010)
Hormel Foods (May 2011)
General Mills (May 2013)

Government and Military Buildings

Tin Yiu Complex Hong Kong Government (Oct 2007)
Blaine Border Patrol (Oct 2007)
U.S. Air Force Academy Gym (Nov 2008)
Summit County (March 2010)
King County CSC (March 2010)
Lordsburg Border Patrol Station (Dec 2011)

Hospitals/Medical Centers

Palmetto Baptist Hospital (June 2007)
WCCW Healthcare Facility (Aug 2008)
Auburn Regional Hospital (Aug 2009)
Walla Walla VA Hospital (Sept 2009)
Allied Health (Dec 2009)
VA Medical Center (Jan 2010)
Saskatchewan Hospital (May 2010)
Durango Hospital (Oct 2010)
VA Hospital Living Center (Dec 2010)
Washington State Public Health Lab (Sept 2011)
Southcoast Hospital (Jan 2012)

Power generation facilities

Talisman Canada (Sept 2007)
Enbridge – Woodland (Nov 2011)
Hess Corporation (May 2012)
Toshiba (April 2013)
Mitsubishi – Osaka, Japan (May 2013)
Siemens Synchrude (Jan 2014)

Recreation Centers

Gibson's Arena (April 2007)
North Cowichan & Duncan Aquatic (Sept 2007)
Killarney Rink (June 2008)
Telus World of Science (April 2010)
Hardisty Pool (Sept 2011)

Schools

Ola Elementary School (Nov 2007)
Inman Elementary School (Dec 2007)
Oscar Smith Middle School (Feb 2008)
Perkins High School (July 2008)
Canterbury School (Sept 2008)
Lake Weir High School (Sept 2008)
Cherokee Arnold Mill Elementary School (Sept 2008)
Aspen Heights Elementary School (Jan 2009)
Meadowdale Middle School (Dec 2009)
Denny Middle School (Feb 2010)
Chief Sealth High School (Feb 2010)
Ute Perkins Elementary School (April 2010)
Duchesne Academy of Sacred Heart (May 2011)
Roosevelt Elementary School (Nov 2011)
Glenbrook Elementary School (Nov 2011)
Upson Elementary School (Jan 2012)
Jefferson Elementary School (Jan 2012)
Rolesville High School (July 2012)
Dover High School (Oct 2012)
Anne Frank Public School (April 2014)

Universities

West Texas A&M University (May 2007)
Bates College (Aug 2007)
Briar Hall (March 2008)
University of Iowa (June 2008)
Butte College (July 2008)
University of New Mexico (Sept 2008)
University of North Florida Founders Hall (Aug 2009)
University of Victoria Residence Hall (Oct 2009)
University of Oregon (Oct 2009)
University of Florida Harn Museum of Art (Oct 2010)
Yuba College (Dec 2010)
University of Florida Rolfs Hall (Jan 2011)
Florida State University College of Law (July 2011)
Winthrop University (Dec 2011)
Oregon State University (Jan 2012)
North Shore Community College (Jan 2013)
Kansas State University (May 2013)
MIT Chemistry Lab (June 2013)
University of Oregon EMU Craft Center (March 2014)

Zoos

Oregon Zoo (Feb 2009)

