



## **Glenwood Hot Springs: A Natural Source for Renewable Energy**

2013, Glenwood Springs, CO... Renewable energy may be a hot topic in the news, but Glenwood Hot Springs has been harnessing the power of Mother Nature to save natural resources for more than twenty years.

The naturally heated mineral waters not only support a thriving business, but also serve as an efficient energy source. The Glenwood Hot Springs uses an innovative geothermal system that is environmentally friendly and economical by saving non-renewable energy resources and reducing energy costs. With one of the hotter mineral springs in the world and a tremendous flow rate, it was only natural to devise ways to make use of this powerful source of energy.

Several mechanisms make it possible to heat the various facilities located on the Glenwood Hot Springs property. A series of titanium heat exchangers submerged in the Yampah Spring makes it possible to heat the entire 107-room Glenwood Hot Springs Lodge, plus some of the surrounding sidewalks and roofline. It is the largest geothermally heated building in Colorado. Domestic hot water is also preheated by this technology. The system design was so innovative, that the engineers and the property were recognized with an award from the Centre for the Analysis and Dissemination Energy Technologies (CADET) in the Netherlands in the early 90s.

Domestic hot water for the bathhouse locker rooms is preheated via large coils that are also submerged in the main spring. As the water flows through these coils, it absorbs the energy provided by the hot water of the spring. The city water temperature, as it enters the coil, averages 50 degrees Fahrenheit, and as it exits the coils, it is 105 +degrees.

Additionally, the bathhouse, pool lobby and Sport Shop floors are heated in the winter by diverting the natural flow of the main spring through a series of underground pipes that are gravity fed. High traffic areas of the pool deck are heated in this manner as well and provide a snow-free, slip-proof surface for guests. The geothermal system also pre-heats laundry water, domestic water for the Spa of the Rockies in the historic sandstone building, and the Jacuzzi pool in the wet lounge of the Athletic Club.

The Glenwood Hot Springs has great respect for the valuable, natural resource that people have enjoyed for 125 years. "Obviously, we feel a sense of stewardship for the natural springs. We will always do our best to protect this natural resource and at the same time continually develop ways in which to use the geothermal energy to support environmental health," said Kjell Mitchell, President and Chief Executive Officer. For more than two decades the Glenwood Hot Springs has actively looked for creative ways to harness this resource, maximizing energy efficiency and lessening the impact on the environment, and it will continue to do so into the future.



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**GLENWOOD HOT SPRINGS**

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For more information on Glenwood Hot Springs, call 1-800-537-SWIM (7946) or visit [www.hotspringspool.com](http://www.hotspringspool.com). Current press releases, a complete press kit, photos, videos, and a live web camera are available at [www.hotspringspool.com/misc/press-room/press-kit](http://www.hotspringspool.com/misc/press-room/press-kit), [www.hotspringspool.com/misc/press-room/press-releases](http://www.hotspringspool.com/misc/press-room/press-releases) and [www.hotspringspool.com/misc/press-room/photo-library](http://www.hotspringspool.com/misc/press-room/photo-library). Glenwood Hot Springs is located in Glenwood Springs, Colorado, between Aspen and Vail, 165 miles west of Denver and 90 miles east of Grand Junction on Interstate 70 off exit 116 at 401 North River Street.