



FACT SHEET ON: HYDROGEN & ALTERNATIVE FUELS



In addition to producing 100% of our electricity from renewable energy, we are also very interested in looking at alternative fuels for transportation and to replace propane which is currently used in our kitchen, main lodge, and laundry. Beginning in 2008, Chena Hot Springs is planning to take advantage of excess power generation capacity during off-peak hours to produce hydrogen. This hydrogen will be initially mixed at low pressure with propane at a 15% to 85% mixture. This will reduce our propane needs on-site and help us move further toward our goal of being 100% independent of fossil fuels.

Chena is also researching options for using hydrogen for transportation applications, in addition to exploring the use of electric vehicles.



Van #3, part of Chena's shuttle fleet



Chena Hot Springs Electrolyzer, used to generate 6kg of Hydrogen per day

While Chena moves toward a hydrogen future, we are also doing what we can today to conserve diesel fuel. We are recycling used vegetable oil from our restaurant to use directly as a fuel, and also use fish oil biodiesel in some test applications.

Hydrogen Production Facility at Chena



Chena waste vegetable oil powered Jeep