

Nevada:New Hydrogen fuel research

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Professor demonstrates new hydrogen fuel system

"Northern Nevada energy consumers can be excused if they have a sense of "sticker shock" when their power bills come due following the holiday season. Or, that they have a feeling of powerlessness as the price of gasoline climbs to \$3 per gallon. They wonder: will the days of the \$1 tank of gas ever return?

Thanks to research done by a University of Nevada, Reno professor in the area of hydrogen energy generation, soaring power bills could become a thing of the past. And, finding a power source for your car that costs as little as \$1 per gallon could also soon become a welcome reality.

Manoranjan Misra, professor of materials science and engineering, recently received a \$3 million research grant from the U.S. Department of Energy to continue his groundbreaking work in various forms of renewable energy. Misra's current project focuses on harnessing photoactive material from the sun to generate hydrogen. Hydrogen is one of the cleanest forms of energy, and studies have shown that it is 33 percent more efficient than liquid fuels. Northern Nevada, with its uncommonly sunny weather – with more than 300 sunny days per year – could become the perfect hub to generate hydrogen energy, according to Misra....."

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