

Links_For_Electrolisis_Of_Water_2008.txt

This method sounds interesting.

<http://www.cie2007.com.br/trabalhos/eduardolopezsandoval.pdf>

The standard potential of the water electrolysis cell is 2.06 V at 25 °C
The energy efficiency of water electrolysis varies widely. Some report 50-70%[2], while the theoretical maximum efficiency of the electrolysis of water is between 80-94%.[3] These values refer only to the efficiency of converting electrical energy into hydrogen's chemical energy. The energy lost in generating the electricity is not included. For instance, when considering a power plant that converts the heat of nuclear reactions into hydrogen via electrolysis, the total efficiency may be closer to 30-45%.[4]

See:

http://en.wikipedia.org/wiki/Electrolysis_of_water