

# Re: Hydrogen the fuel for the 21st century – Ballard CEO

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*Source:* <http://sci.tech-archive.net/Archive/sci.energy.hydrogen/2005-06/msg00037.html>

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- *From:* Iridium <NoEmail@xxxxxxxx>
  - *Date:* Tue, 14 Jun 2005 12:49:38 -0700
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On Thu, 09 Jun 2005 11:01:54 -0700, Iridium <NoEmail@xxxxxxxx> wrote:

> While it is true that, at current volumes, hydrogen takes more  
>energy to produce than it yields, that is true for every fuel,  
>including gasoline.

What is he talking about, transportation costs? Surely if I am close to a natural gas well, producing the natural gas can't consume more energy than it yields. Every fuel can't be an energy sink!

I could believe that more energy is consumed producing gas than it yields, but wouldn't the difference be even greater for Hydrogen?

> However, hydrogen fuel cells are two to three times more  
>efficient than gasoline-powered internal combustion engines. Today,  
>one kilogram of hydrogen is about twice the cost of a gallon of  
>gasoline, and provides about the same amount of energy. But, when you  
>take into account the greater efficiency of the fuel cell engine, the  
>cost per mile driven with hydrogen is equal or better than with  
>gasoline.

Is there truth to this, assuming in his calculation he is only taking into account the cost of fuel?

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- *Follow-Ups:*
  - ◆ ***Re: Hydrogen the fuel for the 21st century – Ballard CEO***  
◇ *From:* charliew2
  - ◆ ***Re: Hydrogen the fuel for the 21st century – Ballard CEO***  
◇ *From:* Don Lancaster
- *References:*
  - ◆ ***Hydrogen the fuel for the 21st century – Ballard CEO***  
◇ *From:* Iridium

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