

## Re: It's In-Line (Shuttle Derived)

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*Source:* <http://sci.tech-archive.net/Archive/sci.space.policy/2005-06/msg00909.html>

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- *From:* [simberg.interglobal@xxxxxxxxxx](mailto:simberg.interglobal@xxxxxxxxxx) (Rand Simberg)
  - *Date:* Sat, 25 Jun 2005 21:18:26 GMT
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On 25 Jun 2005 10:52:58 -0700, in a place far, far away, "Ed Kyle" <edkyle99@xxxxxxxxxxxx> made the phosphor on my monitor glow in such a way as to indicate that:

>> Advertised Falcon V price is \$3 million per metric  
>> ton to LEO, plus or minus epsilon.  
>>  
>> Do you believe that the new Shuttle Derived HLV  
>> will cost less than \$350 million per flight, including  
>> its development cost amortization and all the government  
>> overhead and the like, at flight rates of 2-3 per year  
>> and a 10 year development cycle?  
>  
>What I don't believe is that Falcon V, if it ever  
>flies, is going to cost \$3 million per LEO tonne  
>after its initial flights. The price will have to  
>go up, or SpaceX will cease to exist once Elon Musk's  
>pockets empty. Not to mention that a new maneuvering  
>cargo-hauling stage will be needed for the SpaceX  
>rockets, a need that could easily double or triple  
>the "real" Falcon V per-tonne payload costs.

If you're referring to ISS resupply, price delivered to ISS will always be (probably much) higher than price delivered to LEO. My understanding is that SpaceX isn't interested in the last mile, which means a market opportunity for a tug operator. But that's a separate issue from simple pounds to LEO.

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- *References:*
  - ◆ ***It's In-Line (Shuttle Derived)***  
◇ *From:* Ed Kyle
  - ◆ ***Re: It's In-Line (Shuttle Derived)***  
◇ *From:* Ed Kyle
  - ◆ ***Re: It's In-Line (Shuttle Derived)***  
◇ *From:* Henry Spencer
  - ◆ ***Re: It's In-Line (Shuttle Derived)***

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◇ *From:* Ed Kyle

◆ ***Re: It's In-Line (Shuttle Derived)***

◇ *From:* George William Herbert

◆ ***Re: It's In-Line (Shuttle Derived)***

◇ *From:* Ed Kyle

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