Re: Solar powered lasers in space

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- *From*: BradGuth <bradguth@xxxxxxxxx>
- *Date*: Wed, 12 Sep 2007 10:22:32 −0000

On Sep 11, 7:06 pm, Willie.Moo...@xxxxxxxxx wrote:

> In 1996 I wrote in these newsgroups about an idea I had worked out about using thin film reflectors inflated on orbit to concentrate sunlight onto a solar pumped laser. That laser beam would be beamed to receivers on the ground which would convert the power to electricity and thermal energy for industrial use. Overall efficiency would be 40%
>
> I was roundly attacked by all − and so, it was with great interest that I read the following on yahoo news service in 2007;
>
> http://green.yahoo.com/index.php?q=node/1521
>
> I am fully justified in my earlier statements − and all those who mercilessly attacked me have been proved dead wrong in their negative assessments of my ideas.

But that's exactly what this mostly Yiddish anti−think−tank of a Usenet from naysay hell is good at doing, is their topic/author stalking and bashing with everything they can muster. (I believe it's one of their born again faith−based things that's pretty much naysay to anything off−world, especially naysay if you're not a fellow Yid)

I happen to agree that an interactive and thus fully controlled set of laser cannon beams from space to multiple terrestrial receiving stations is perfectly doable, especially if tether deployed away from the LSE−CM/ISS that's parked in the moon's L1 would get those fully solar illuminated SBLs situated as close to Earth as you'd like, or dare, along with the tether dipole itself offering teraWatts of energy to spare.

Your 40% overall energy transfer efficiency wasn't even all that far off. Even a solar farm of reflectors merely giving a focused narrow beam of the full solar spectrum isn't all that insurmountable, although a solar pumped tight laser beam of mostly IR is perhaps best suited for the task, whereas system robotics would avoid most any unfortunate encounters with items not suited for surviving such beams

of raw energy.

Space Laser to Transmit Solar Power to Earth, By Hank Green (why the hell not?)

I bet Willie Moo could do this rather nicely, starting off small and growing along with the required expertise for making it happen in a very big and clean enery way.
− Brad Guth −

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