

# **SSP DEMONSTRATION or PILOT?** **=> Pushing the Box(es) and Thinking** **Outside the Envelope(s)**

ISDC 2017

# PURPOSE:

- Agree on next steps = cooperation and collaboration within AND outside SSP community.
- Result – launch a SSP demonstration or pilot project consortium in the ‘near future’.

# *Acknowledgements*

- John Mankins
- Gary Barnhard
- NSS leadership

# Being Partners on the Path Forward?

- Can we even agree to form an SSP Demonstration or Pilot Project Consortium?
- If yes, Qs and As include:
  - No good track record – it's been decades since last demonstration?
  - Is there even a need for another demonstration?
  - Who will coordinate efforts?
  - Will there be regular meetings/teleconferences?
  - What about cyber, etc. security issues?
  - Transparency – financial, etc.

# Being Partners on the Path Forward?

- Is a Public - Educational - Private Partnership even realistic?
  - Little expectations of any initial funding?
  - Little expectations of US government funding much less encouragement?
    - ❖ Re-purpose SLS for heavy lifting?
    - ❖ Redirect some NASA workforce?
  - Is our best hope Educational Institutions?
  - So what are other potential funding sources?
- Should we consider CisLunar (LEO  $\leftrightarrow$  LLO) project location rather than Earth or Lunar locations?

# Future discussions re collaboration & cooperation?

- Active templates for managing large science projects:
  - LIGO - Laser Interferometer Gravitational-Wave Observatory
  - SESAME – Middle East synchrotron in Jordan
  - **ASTRONOMICAL OBSERVATORIES**
- Approach members of international educational community for near-term follow-up as catalyst(s)?
- Possible to avoid political and national security issues?

# The bottom line -

Are we willing and capable of building a SSP Demonstration or Pilot Project Consortium that is bound and determined to make something real happen with space solar power?

- *Interested?*
  - What can you bring to the table AND what would you like on the table?
    - ❖ **End with short survey = post its OR online?**
    - ❖ **What have I overlooked ??**
  - *The initial bar for participation is up to you . . .*
    - Letter of Interest to \_\_\_\_\_? \_\_\_\_\_ by \_\_\_\_? \_\_\_\_\_
    - Capabilities Statement
    - Resume(s) / CV(s)

*this endeavor...*

At this point nothing is assured but this endeavor remains charged with global opportunities >>>>>

I would be happy to discuss the options in further detail with you at our earliest mutual convenience:

***Joe Rauscher, President & CEO***

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