

Welcome to the FY2026 Space Photovoltaic (PV) Research and Development (R&D) Program

Office Hours #1
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U.S. DEPARTMENT
of ENERGY

Notes



Please use the Q&A section to post your questions and like (upvote) those you would like to see answered.



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The content included in this presentation is intended for informational purposes related to the FY26 Space PV R&D Program. Any content within this presentation that contradicts the Opportunity Page is superseded by the Opportunity Page language.

A recording of this session, a copy of the presentation materials, transcripts, and Q&A, will be posted to the TechWerx website in 2-3 business days.

Background

- The space economy is rapidly growing, with record levels of number of launches, private investment levels, and mass launched in 2025.
- This growth is largely projected to continue over the next decade, and with it, demand for power delivery in space will also grow
- Solar PV power remains the primary energy source for space missions due to its low mass, long lifetime, and minimal maintenance needs.
- Current space PV technologies face cost, durability, and supply chain challenges, creating a need for high performance, scalable, and low-cost PV innovations.

Sources: [ESA Report on the Space Economy 2026 - public_6a54dcb2dc6f2.pdf](#)



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Background - Space PV Workshop

In June 2026, IESO convened a workshop to identify major challenges in the space PV R&D community.

The summary of the workshop is online, linked here:



2026 Space Photovoltaics
Workshop summary



2026 Space Photovoltaics
Workshop full report

Overview

Purpose: The goal of the **FY2026 Space Photovoltaic (PV) Research and Development (R&D) Program** opportunity is to accelerate United States leadership in next generation space-based PV by developing innovative, mission-relevant national R&D capabilities within the United States that support the growing demand for power delivery in space.

Objective: This PIA aims to support R&D innovations that advance the state of the art in durable, high power space PV technologies and enables high-volume, low-cost manufacturing of PV arrays in space.

Funding: Approximately 9 awards of up to \$1.5M each in Topic 1 and up to 3 awards of up to \$2M each in Topic 2, **totaling up to \$12M**. Awards will be given for projects up to 3 years in duration.

Timeline

Applications open	8/31/2026
Webinar	9/15/2026 at 1:00 PM ET
Office Hours Session #1	9/29/2026 at 3:00 p.m. ET
Office Hours Session #2	10/6/2026 at 3:00 p.m. ET
Application Deadline	10/8/2026 by 11:59 PM ET
Review and Selection	October-November 2026
Reply to Reviewer Comments (<i>optional</i>)	Estimated 2 nd week of November
Selectees Announced (estimated)	Mid-December 2026
Negotiations	1-2 months after selections have been made
Activities Begin (estimated)	March 2027

Not planning to apply?

Consider sharing your expertise as a compensated technical reviewer.

Scan the QR code to learn more and share your interest. The link can be shared separately, share interest to reviewers@techwerx.org.





Questions?

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Thank you for attending the

**FY2026 Space Photovoltaic
(PV) Research and
Development (R&D)
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Scan the QR code and to learn more about
this Opportunity and register for Office Hours.

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