

Welcome to the DPF Spring Community Meeting



Division of
Particles & Fields
DPF

- Our meeting will run according to the strict timetable shown at <https://indico.global/event/17941/>.
- Tomorrow, there is also a joint DPF/DNP community meeting with talks on synergies between the two communities, given the merger of OHENP
- Many, but not all talks will be recorded. It takes a few weeks to get them posted.
- This is a webinar. The best way to ask questions is to enter them in a live document. DPF chair line will pick questions and read them.
- If there is remaining time, the session chairs will then try to recognize questions in the order in which hands are raised.

This meeting is sponsored by the
APS Division of Particles and Fields



- The APS Code of Conduct expects all meeting attendees to avoid
 - Harassment, discrimination, bullying, and abuse of power
 - Abusive language and/or behavior of any kind
 - Retaliation, including intimidating, threatening, or coercing others
 - Disruptive behavior during meetings or other events
- In the event of a violation of the COC, participants may contact the organizers or, in the case of serious violations, the APS
 - Online: Ethics Hotline, a third-party confidential platform
 - Ethics Hotline: Toll-free phone number
 - Email: APS Ethics team or APS Head of Ethics

Join DPF

- A brief advertisement for DPF (and DPB)
- Join the American Physical Society
- We are a division of the American Physical Society. We helped convene the Snowmass process and assisted P5.
- Contact information: [DPF Executive Committee](#)
- Useful links: <https://engage.aps.org/dpf/home>
- The Snowmass slack, open to all: <https://snowmass2021.slack.com>
- The Snowmass summary: <https://arxiv.org/abs/2301.06581>
- The P5 report <https://www.usparticlephysics.org/2023-p5-report/>
- The NAS report <https://www.nationalacademies.org/publications/28839>
- How can I join? <https://www.aps.org/membership/join> (discounts for students/early career - consider adding DPF, DNP, and DPB at <https://my.aps.org/managemyunits>)



Join the American Physical Society



Add Divisions



Meeting of the
Division of Particles & Fields
of the American Physical Society

Division of Particles and Fields 2026

Jul 20 – 24, 2026
America/Chicago timezone



OVERVIEW

REGISTRATION INFO

REGISTER HERE

STUDENT TRAVEL AWARDS

PROGRAM

- └ Committees
- └ Public Lecture
- └ Parallel Session Conveners
- └ Poster Presenters
- └ Social Channels
- └ Tours

TIMETABLE

ABSTRACT SUBMISSION

Contribution List

PARTICIPANT LIST

LOGISTICS

- └ Site Access at Fermilab
- └ Arrival at Fermilab
- └ Parking at Fermilab
- └ Lodging
- └ Meals
- └ Transportation to Fermilab

The Division of Particles & Fields is holding a meeting on July 20-24, 2026 at Fermilab. It's this year's largest gathering of the U.S. particle physics community, featuring a program of plenary and parallel sessions that will provide a comprehensive overview of our vital field.

<https://indico.fnal.gov/event/72820/>

Starts Jul 20, 2026, 12:00 AM
Ends Jul 24, 2026, 11:59 PM
America/Chicago

Patricia McBride

APS Division of Particles and Fields
 DPF 2026 Conference website



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EXHIBIT AND SPONSOR

APS Global Physics Summit 2027

Elevate your products, services, and brand to over 14,000 leading scientists and students from April 11 - 16, 2027, at the Georgia World Congress Center in Atlanta, Georgia.

[Learn more about the Summit](#) →



The Summit will gather over 14,000 leading scientists, physicists, and students worldwide, offering exhibitors and sponsors unparalleled engagement with the global scientific community.

At the Summit, exhibitors and sponsors can share their products and services, hire talent at the Career Fair, and elevate their brand across the physics community. Join us April 11 - 16, 2027, at the Georgia World Congress Center in Atlanta, Georgia.

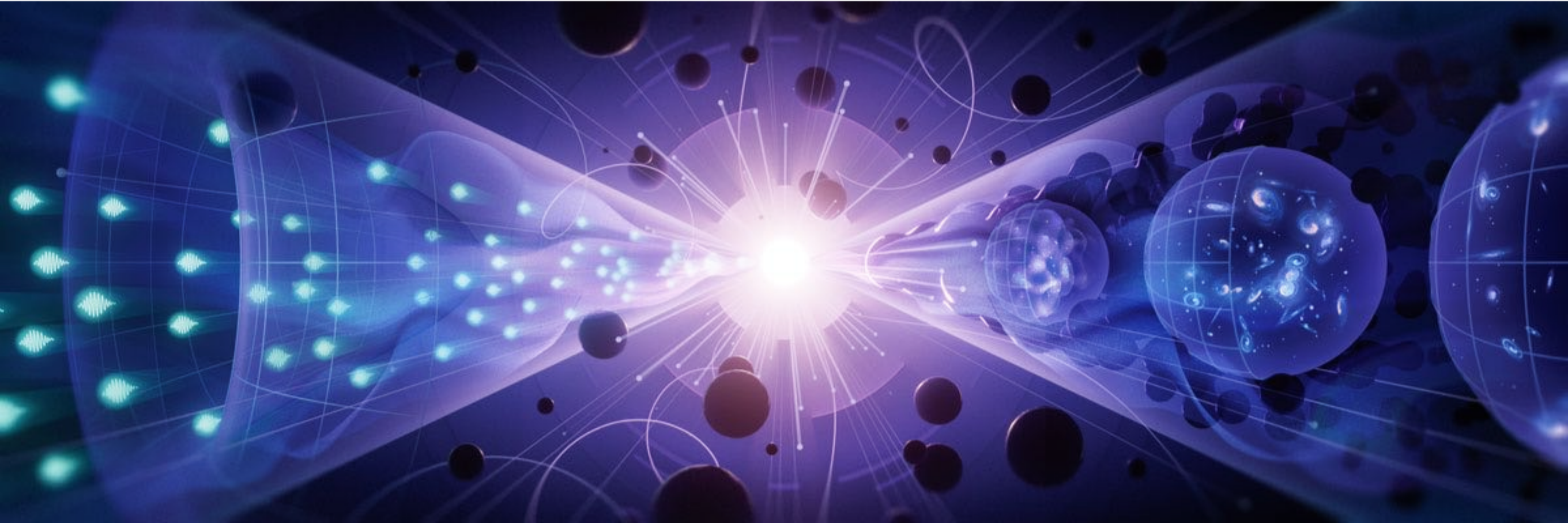
[View the 2027 exhibitor and sponsor prospectus \(PDF\)](#) →

<https://www.aps.org/about/partner/global-physics-summit-exhibitors-sponsors>



Pathways to Innovation and Discovery in Particle Physics

Report of the Particle Physics Project Prioritization Panel 2023



<https://www.usparticlephysics.org/2023-p5-report/>



Pathways to Innovation and Discovery in Particle Physics

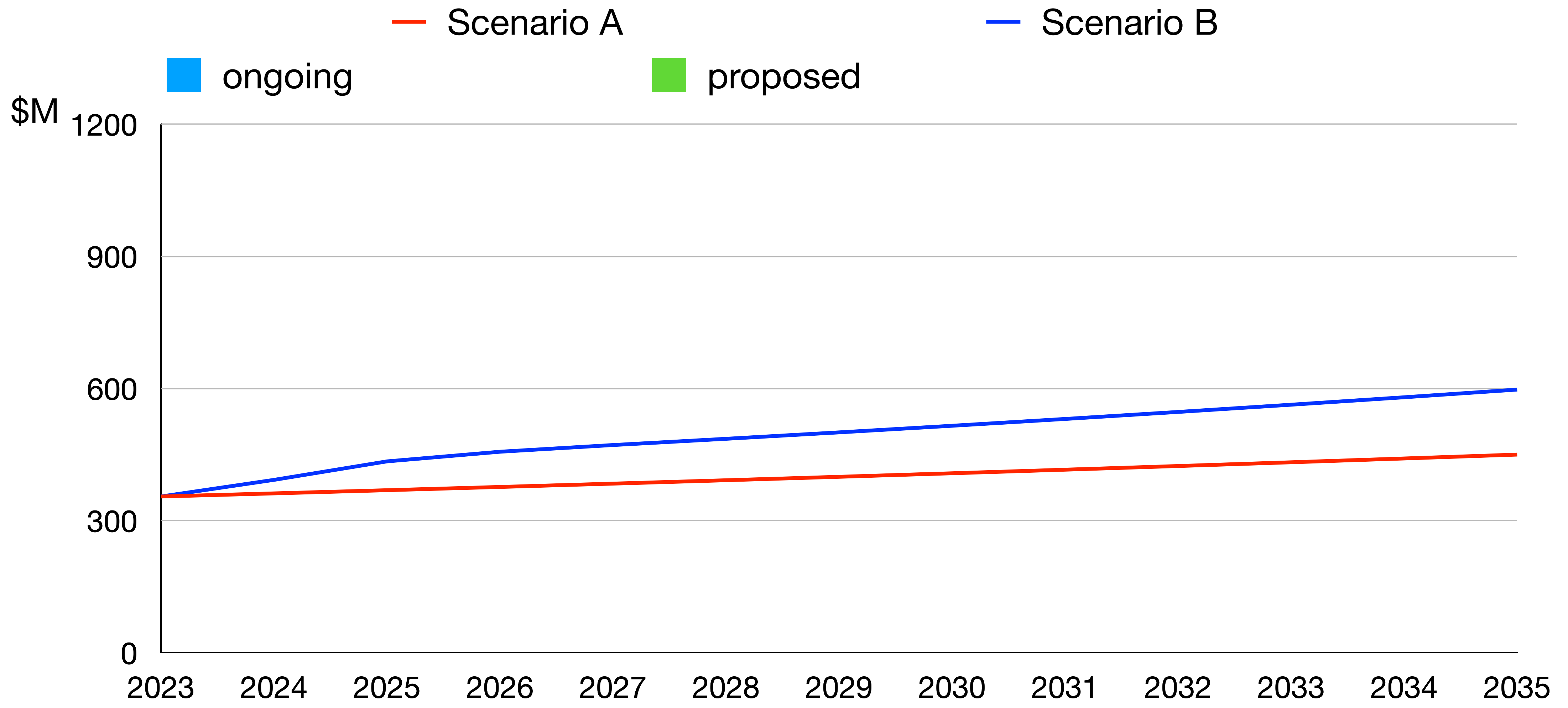
Report of the Particle Physics Project Prioritization Panel 2023



The science drivers are all the more important in 2.5 years since P5

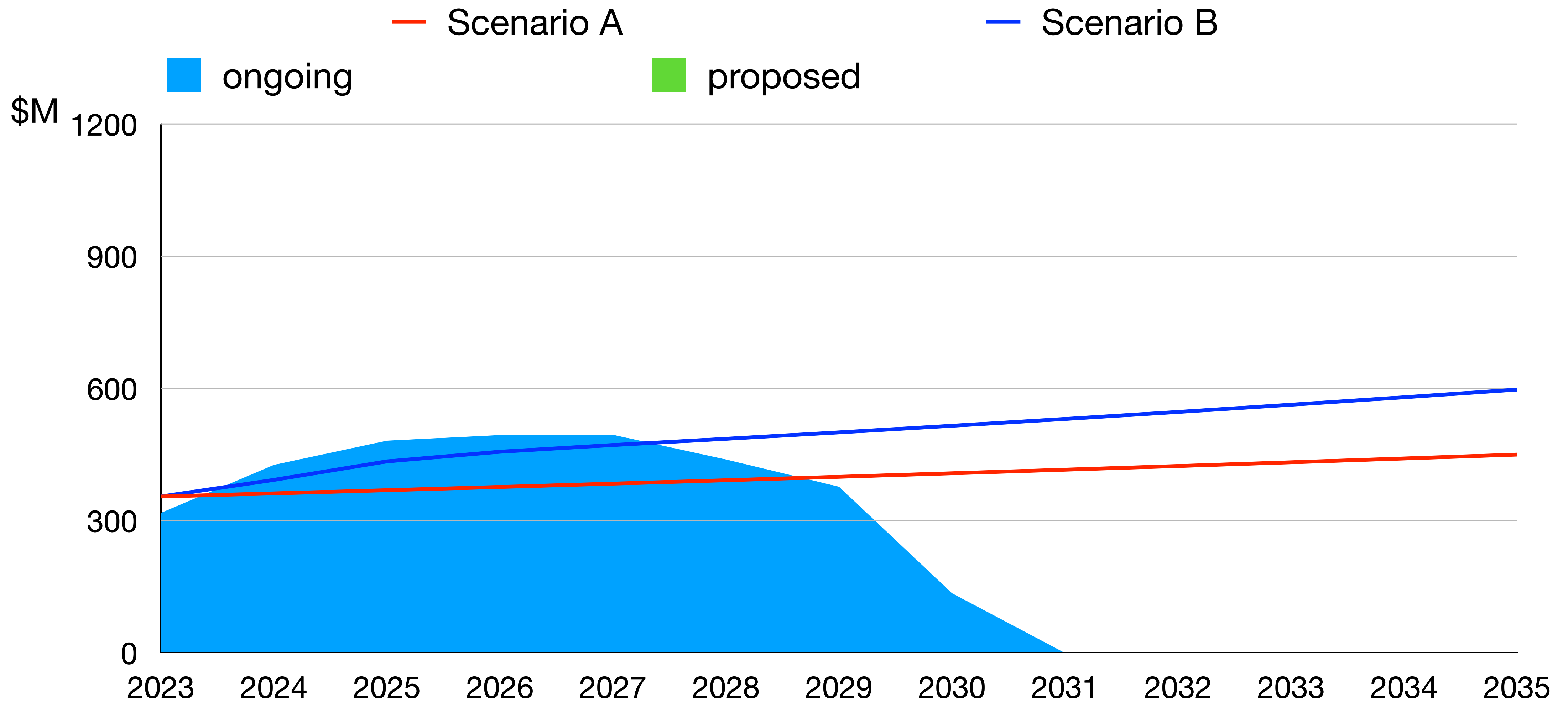
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Budget Scenarios and Projects

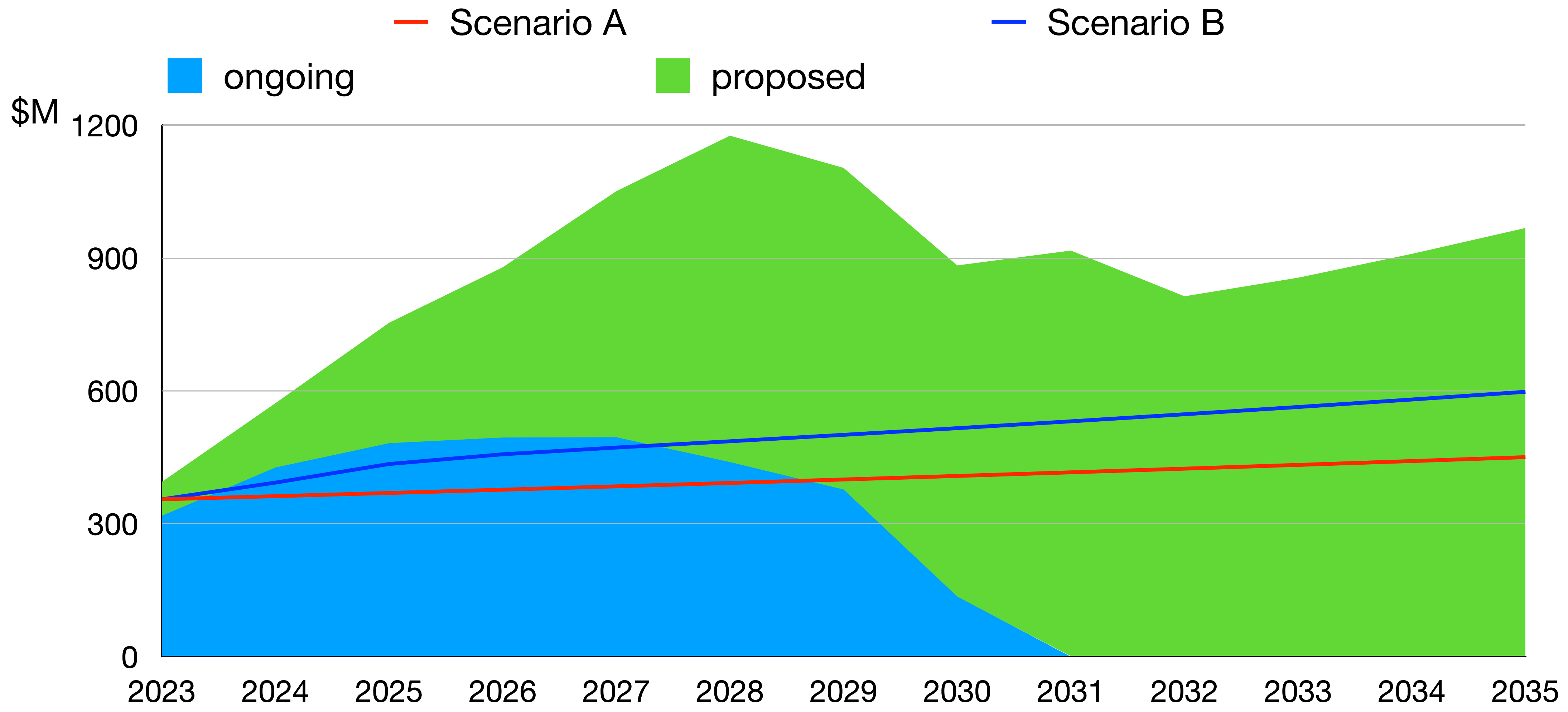


DOE only

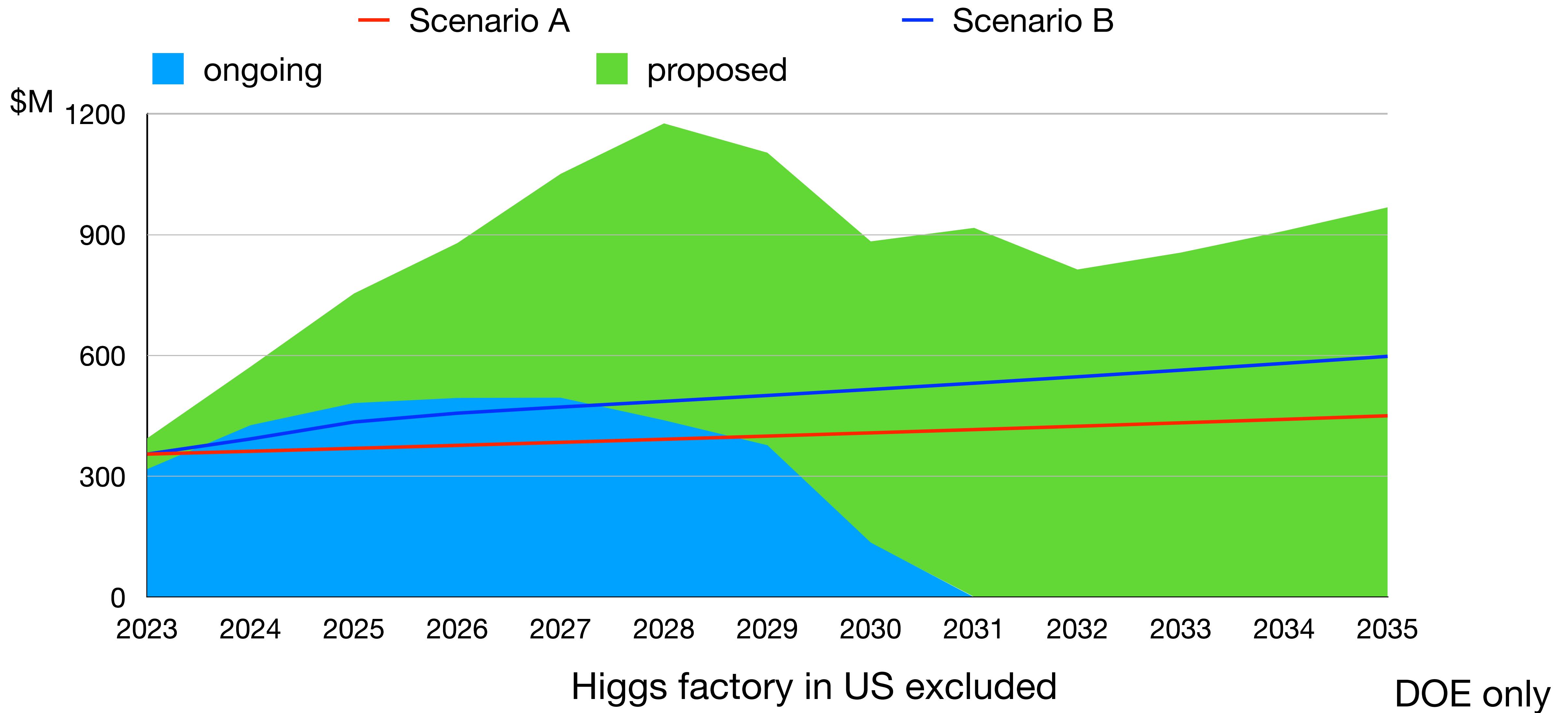
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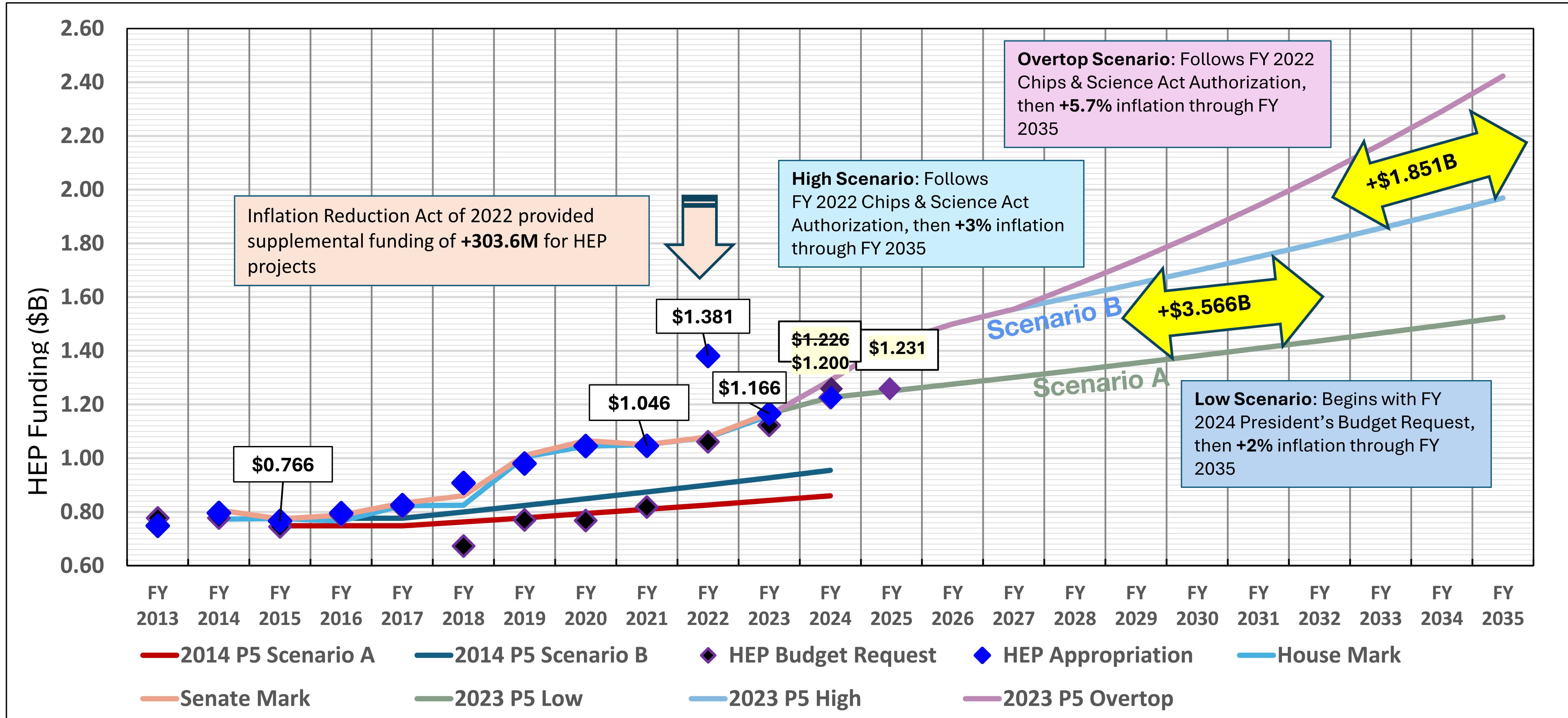
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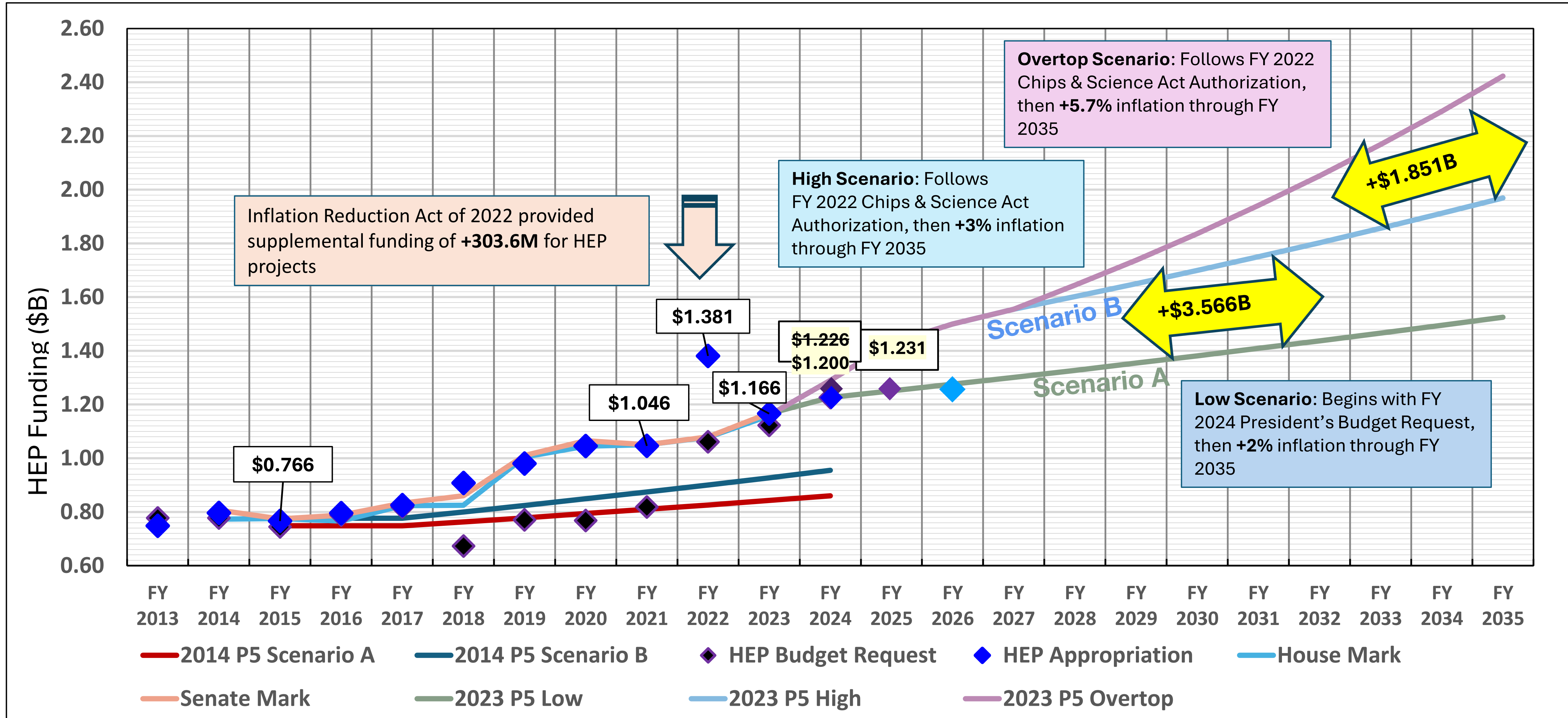
Higgs factory in US excluded

DOE only

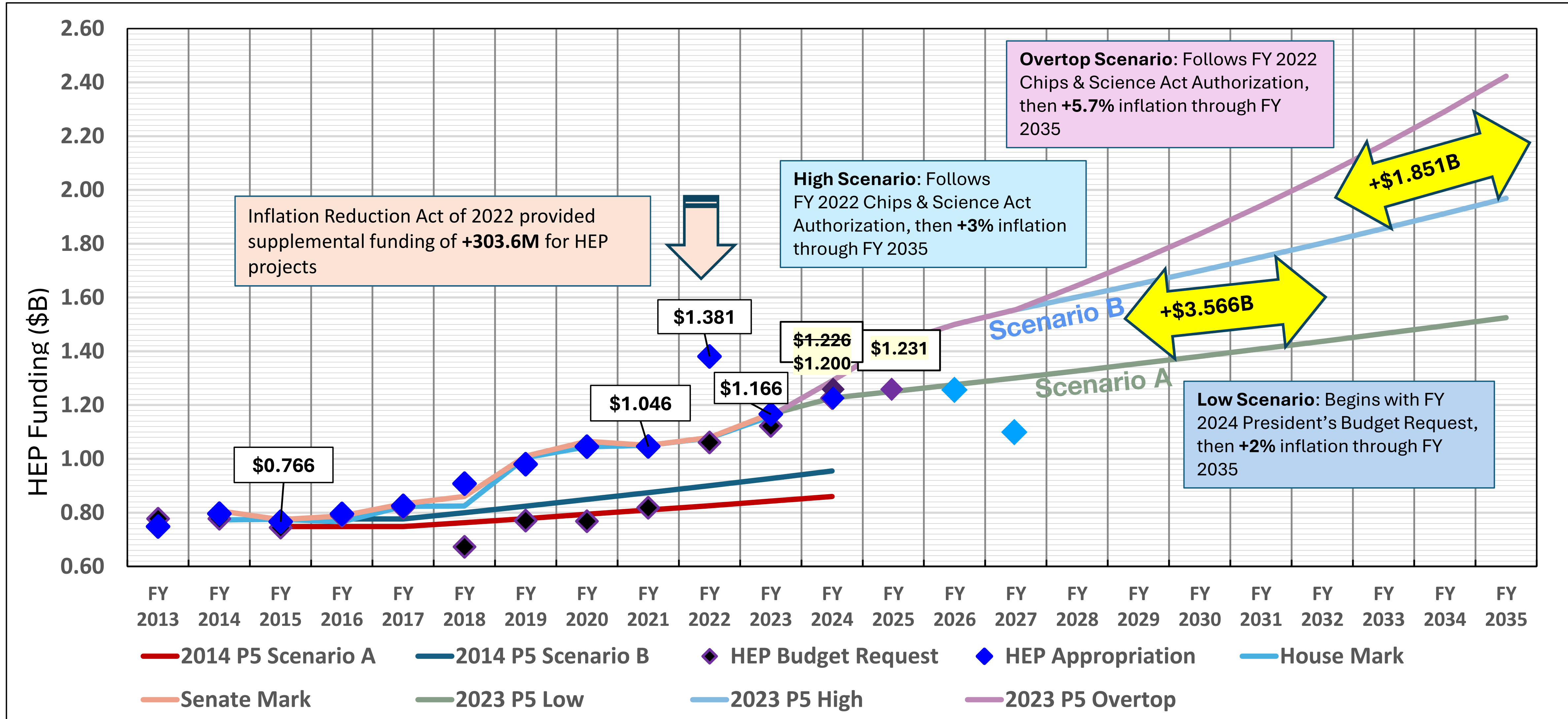
HEP Budget History & 2023 P5 Budget Scenarios



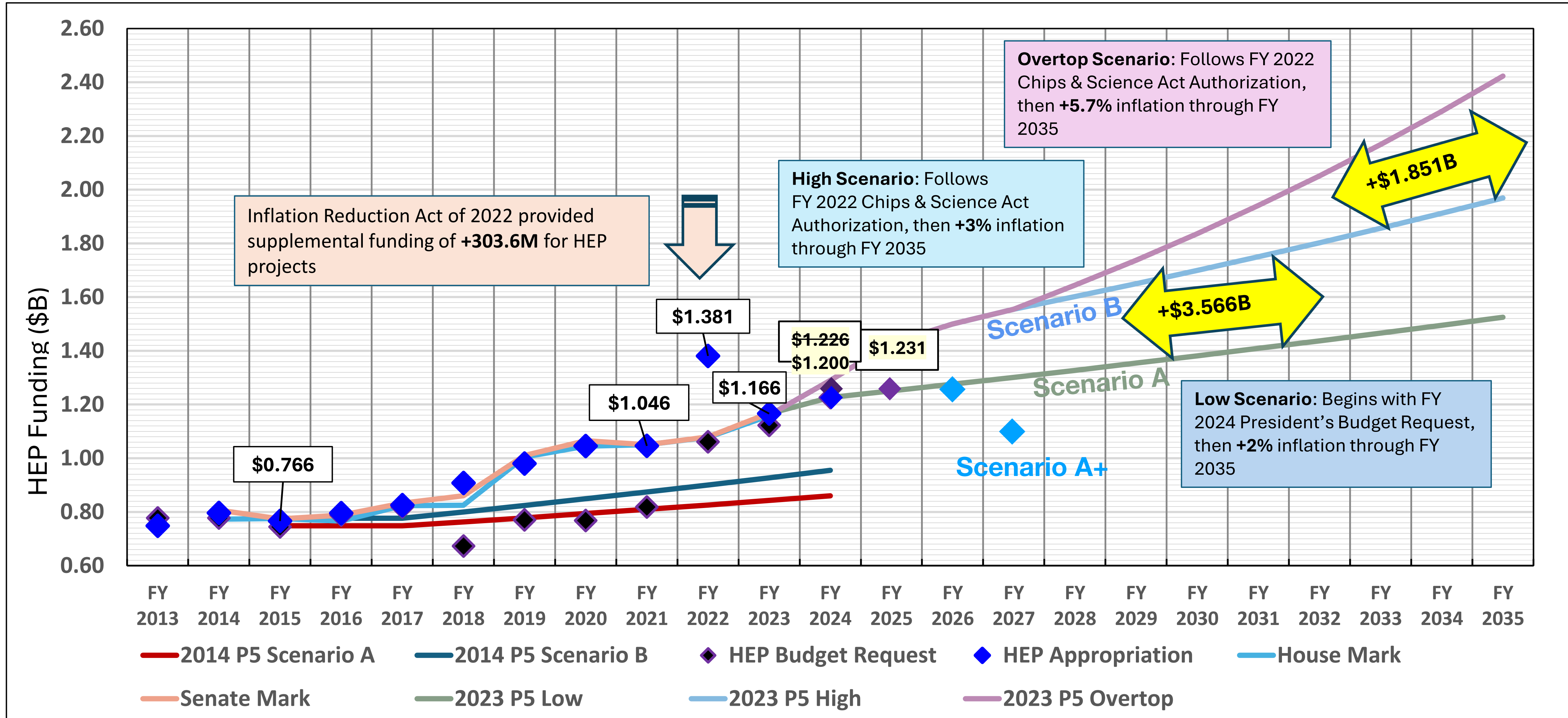
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Boundary condition

- *“I think the message to all of these Day 1 speakers really needs to be the constraint about no new starts before 2030. If they do understand and accept that, then I would be OK in hearing how they are approaching that constraint. I know these are difficult times for a large field with a lot of good ideas and long-range vision. No new starts of major projects before 2030.”* (Gina)
- Some limited possibilities for <\$10M
- We are a very creative community. We would like to learn from each other how we are still advancing science despite the constraints
- We will see a snapshot of where the community is, so that we can speak with one voice
- Hope for a forward-looking meeting and discussions

NSF South Pole Station Priorities



Priorities for NSF South Pole Station:

- Meet our current science commitments
- Refurbish critical station Infrastructure

After extensive analysis, NSF has made the decision not to move the CMB-S4 project in its current form into the NSF Major Facility Design Stage at this time. The agency must prioritize the recapitalization of critical infrastructure at the South Pole so that the groundbreaking research it enables can continue to thrive.

NSF is committed to cosmic microwave background science and will continue to support current CMB activities at the South Pole and in Chile. We are in active discussions with DOE and the CMB-S4 Project about the path forward. NSF will work with the community to explore possible options for future CMB science.

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Concern to lose access to the South Pole

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DPF 2024 in Pittsburgh

we asked APS to help lobbying for the replacement

APS, Lewis&Burke worked with community

Thanks to Sekhar Chivukula and Amy Bender

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NSF will continue to support microwave background science and will continue to support science at the South Pole and in Chile. We are in active discussions with DOE and the CMB-S4 Project about the path forward. NSF will work with the community to explore options for future CMB science.

Concern to lose access to the South Pole



Congress funds powerful new airlifter on skis for US polar operations

By SETH ROBSON
STARS AND STRIPES • February 24, 2026



An LC-130H Skibird takes off from Amundsen-Scott South Pole Station in Antarctica in December 2022. (Air National Guard)

on Priorities



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