

National Aeronautics and
Space Administration



EXPLORESCIENCE

Heliophysics Division Budget

Decadal Survey Supplemental Presentation

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Introduction

This input to the Decadal Survey presents high-level information on the Heliophysics Division budget. The intent of these slides is to assist the Committee in the beginning of their deliberations, and NASA welcomes the opportunity to speak further to the Committee on this topic.



Overview

- Heliophysics Division Budget
- Heliophysics Program Budgets
 - Research Program
 - Explorers Program
 - Living With a Star
 - Solar Terrestrial Probes
- Space Flight Projects
 - Future missions
 - Extended operations
 - In development, prime operations

Note: For all data shown, budgets for 2023-onward reflect the FY23 President's Budget Request



Budget Structure, Definitions

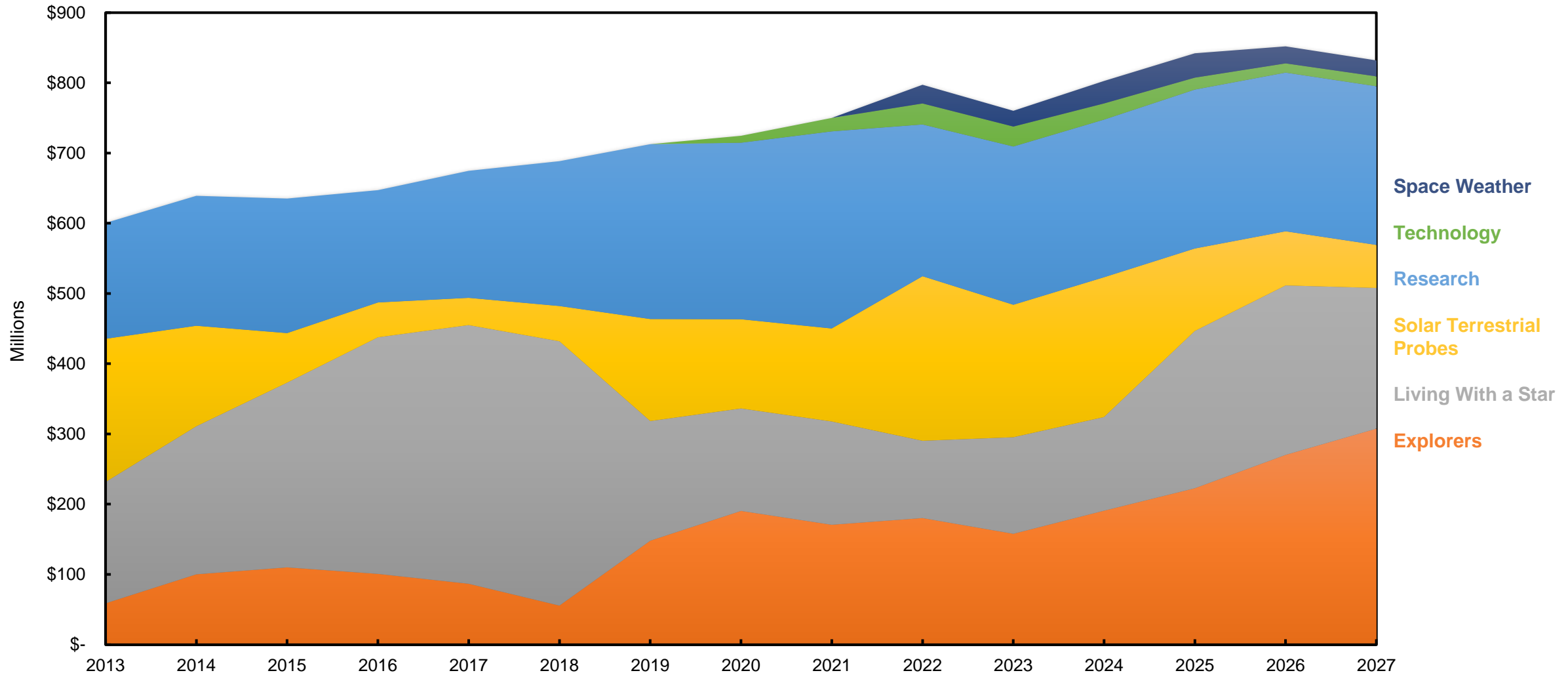
- Heliophysics Division's budget is divided by its programs
 - Every project is managed within one of the programs
- This presentation aggregates budgets into categories (see italics below) for clarity
 - *Management*: Functions and infrastructure necessary for program/project execution
 - Projects
 - *Development, Prime Ops*: Phases A-D, prime Phase E, Phase F
 - *Extended Ops*: Extended operations after prime Phase E
 - *Future Missions*: Preparation for new mission starts
 - Program-specific activities
 - Research
 - *Sounding Rockets/Research Range*
 - *Research Programs*
 - *Data and Modeling Infrastructure*: Heliophysics Data Archives, CCMC
 - Living With a Star
 - *Living With a Star Science*
 - *Space Weather (2017-2021)*
 - Technology
 - *Development, Analysis*



Budget Figures

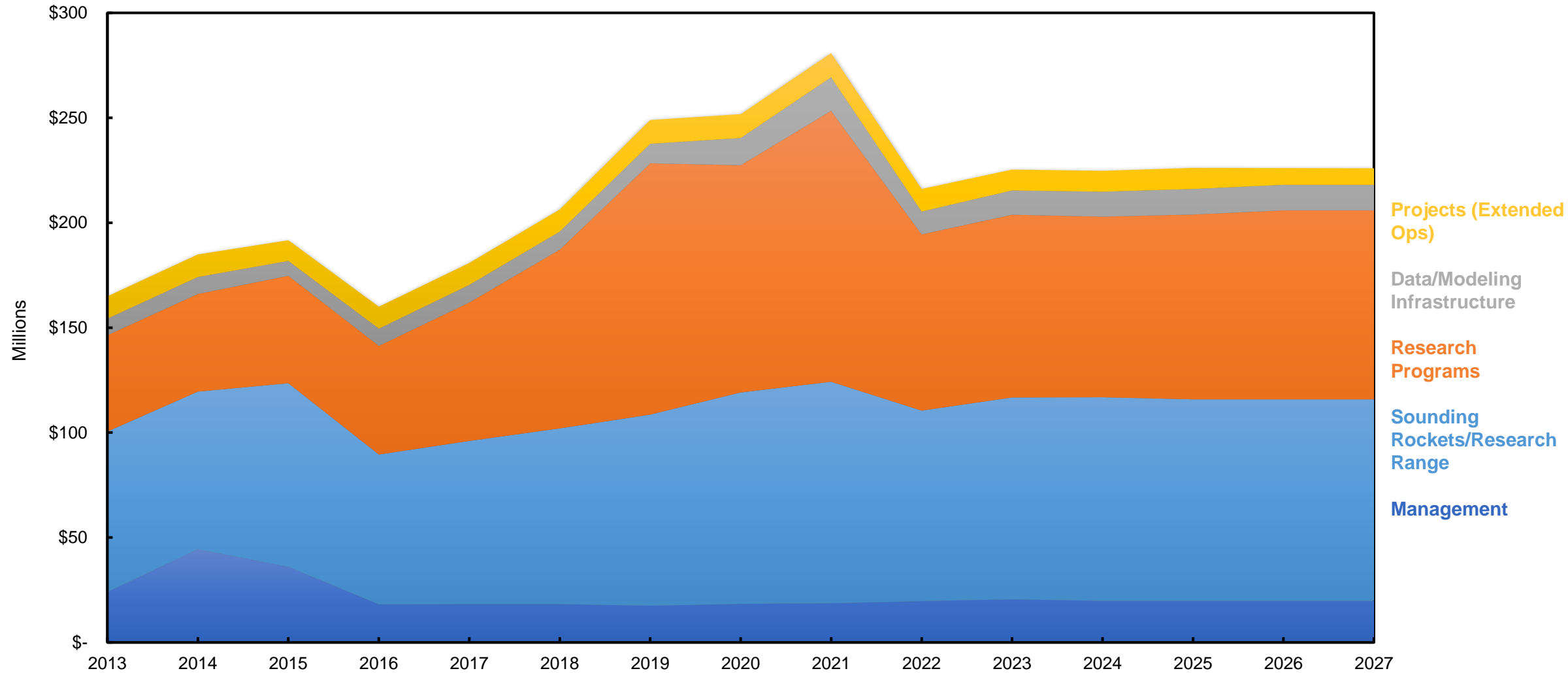
- Budget data are from publicly available documents
 - 2013-2022: Enacted appropriations
 - 2023-2027: FY2023 President's Budget Request
- Management category (see previous slide) supports program-specific functions
 - Explorers, LWS, STP: Program Office
 - Research: Review support, [Space Science Mission Operations office](#)
- Projects (Development, Prime Ops) after 2022 *does* capture all current missions in competition, development, and prime operations, up to and including
 - MIDEX 2019 (two down-selections)
 - SMEX and SMEX-MO 2022 (single selection for each)
- Project (Extended Ops) after 2022 *does not* capture all potential future extended mission costs
 - Does capture planning budgets for missions already in extended operations in 2022 (up to and including ICON)
 - Does not capture missions that would start extended operations after 2022

Heliophysics Division



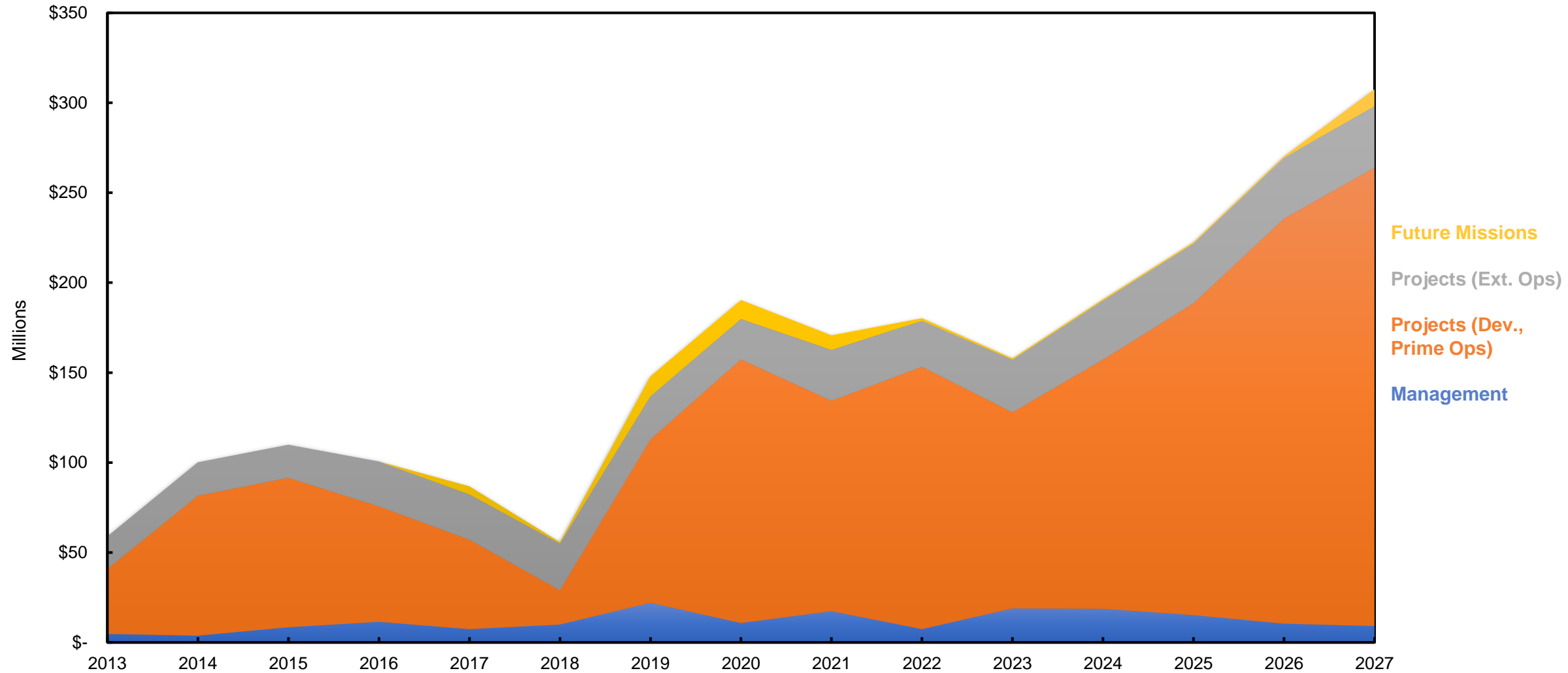
Figures for 2023-onward reflect the FY23 President's Budget Request

Research Program



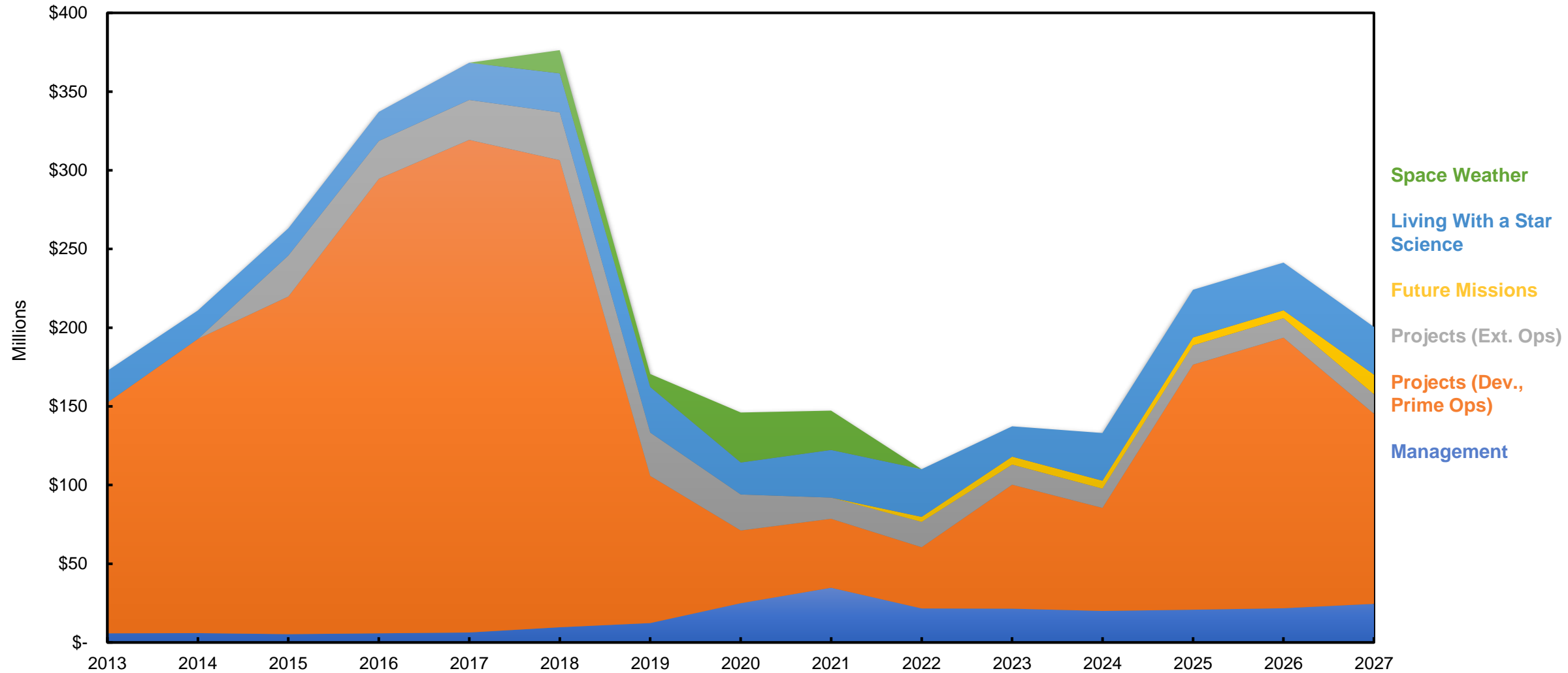
Figures for 2023-onward reflect the FY23 President's Budget Request

Explorers Program



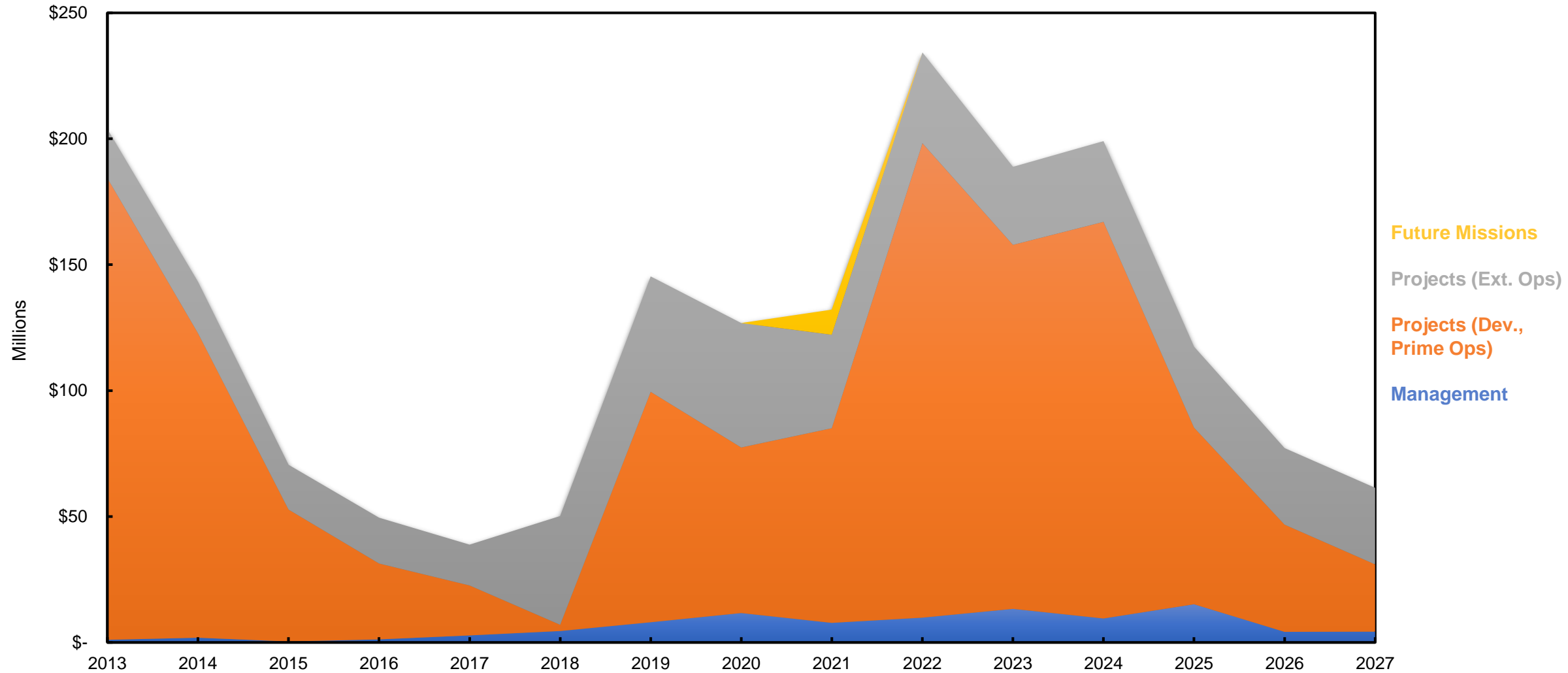
Figures for 2023-onward reflect the FY23 President's Budget Request

Living With a Star



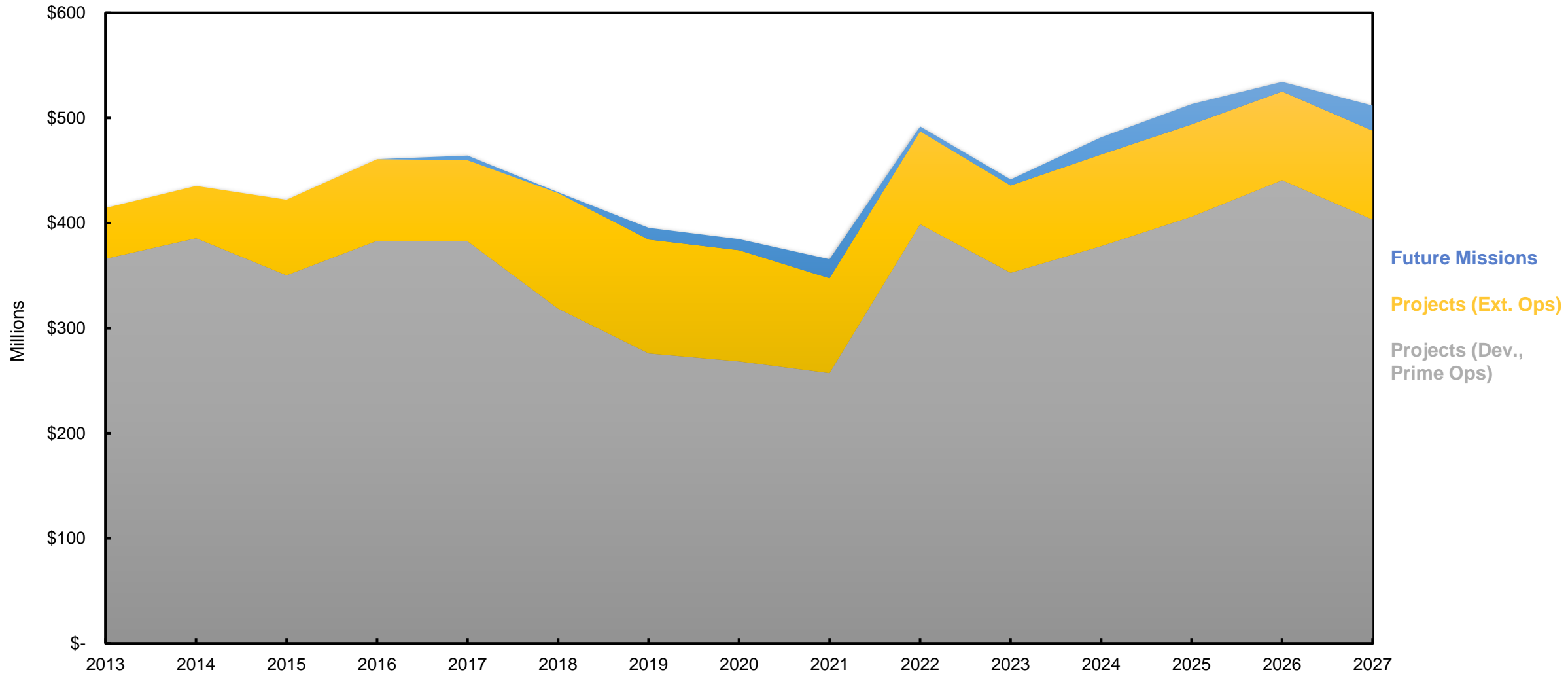
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Solar Terrestrial Probes



Figures for 2023-onward reflect the FY23 President's Budget Request

Spaceflight Projects



Figures for 2023-onward reflect the FY23 President's Budget Request