



FBI Energy and Water Conservation Investment Program (FEWCIP)

April 15, 2021



Why FEWCIP?

- FBI facilities face many of the same challenges as other federal facilities, one of them being energy efficiency
- Like other federal agencies, FBI's sustainment backlog means that many energy efficiency projects, although capable of yielding significant long-term energy savings (e.g. HVAC retro-commissioning), are of lower priority than more urgent projects (leaking roofs, new parking lot) and never make the cut
- FBI's Finance and Facilities Division (FFD) established a small set-aside for energy and water efficiency projects within its own budget to make awards to facilities based on a competitive application process
- Now FBI-owned and -operated sites have the opportunity to start addressing their energy performance without directly robbing their own sustainment allotments.



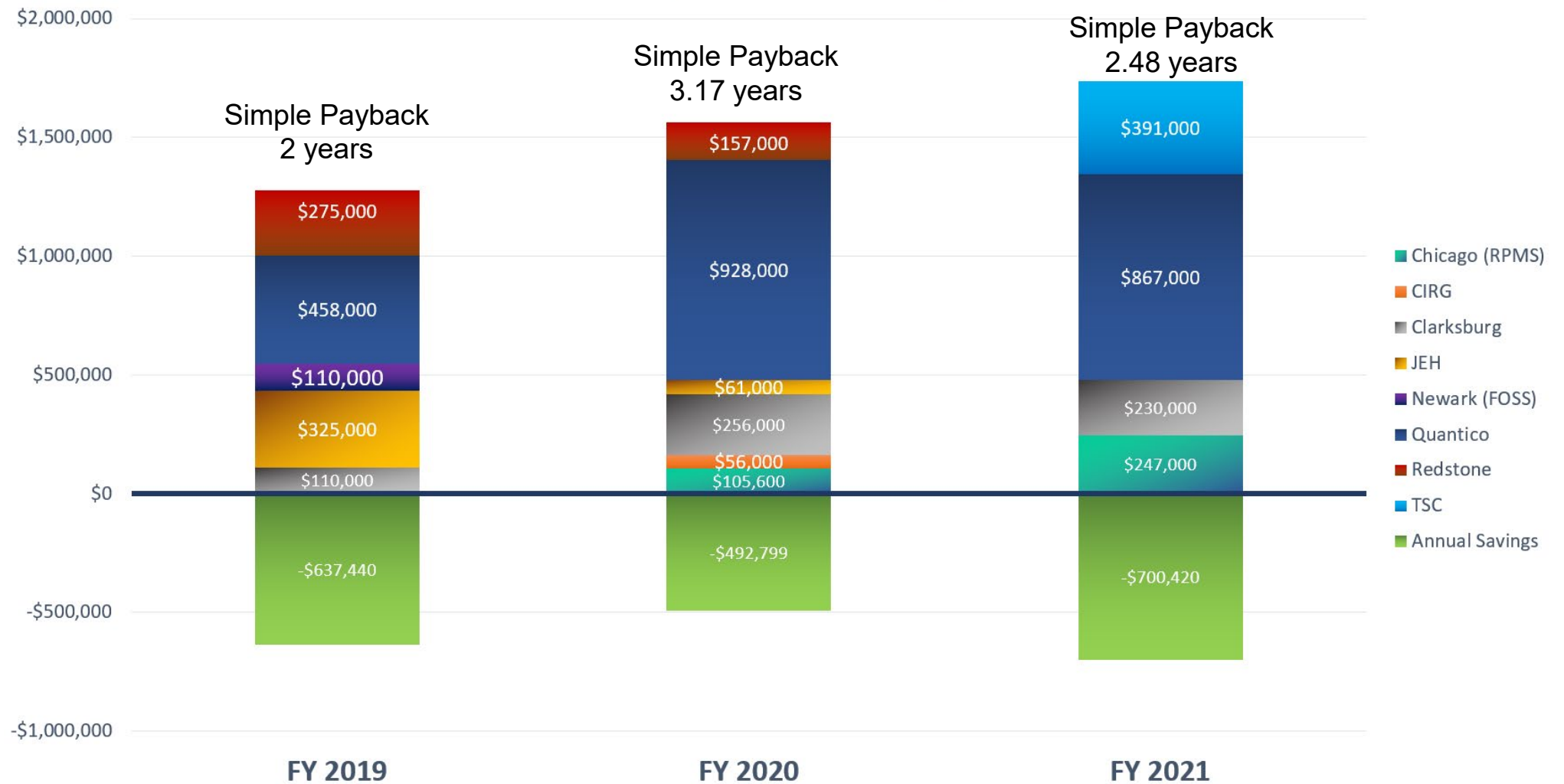
FEWCIP Overview

- Up to \$2 million FFD funding set-aside to address projects that result in significant energy and/or water savings, yet they sit unfunded due to their lower priority/deferred maintenance.
- Modeled on DOD's ERCIP (Energy, Resilience, and Conservation Investment Program)
- Began in FY 2018 with \$1.3 million in funding for FY 2019 execution
- \$1.7 million in FY 2020 and 2021 funding for multiple projects at multiple sites
- Projects must be less than \$250,000 (below FBI's Capital Planning threshold)
- Project-level simple payback ranges from <1 year to >20 years
- Average portfolio simple payback in the range of 2 to 3 years
- Projects include lighting retrofits, HVAC improvements, building automation system upgrades, metering, energy audits, and commissioning.



FEWCIP Investments and Impact

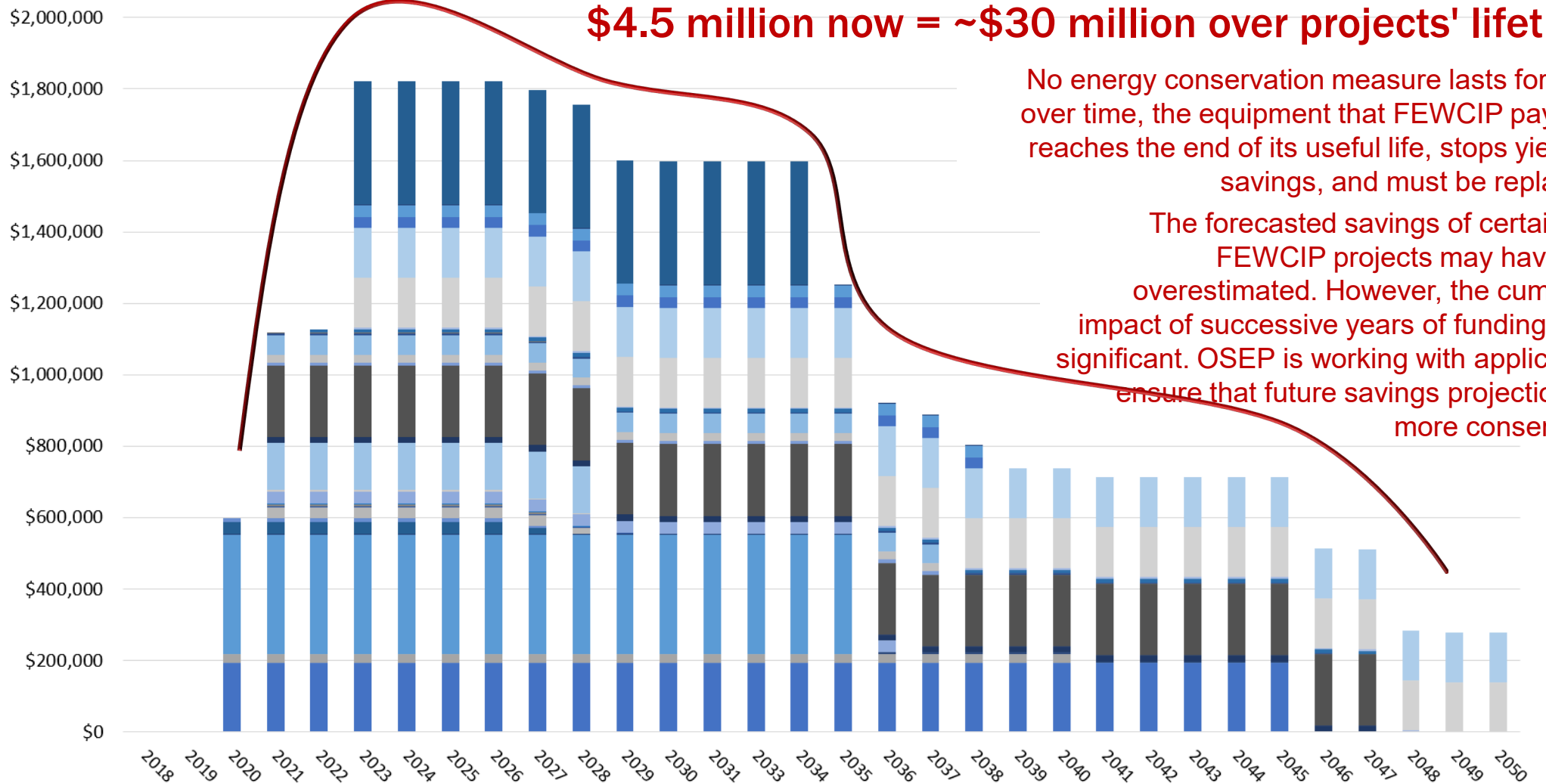
FEWCIP Award Funding and Annual Savings FY2019 - FY 2021





FEWCIP Cumulative Impact

Lifetime Projected Savings of FEWCIP Project Awards FY19 - FY21



No energy conservation measure lasts forever: over time, the equipment that FEWCIP pays for reaches the end of its useful life, stops yielding savings, and must be replaced.

The forecasted savings of certain early FEWCIP projects may have been overestimated. However, the cumulative impact of successive years of funding will be significant. OSEP is working with applicants to ensure that future savings projections are more conservative.



FEWCIP Halo Effect – Ancillary Benefits

- FEWCIP communicates to FBI sites and their facilities managers that energy and water efficiency is an FBI HQ priority
- FBI sites see that innovative thinking around energy and water efficiency can be rewarded:
 - More projects are being submitted
 - More sites are submitting awards
 - Projects are becoming more imaginative
 - Projects are becoming more ambitious
- FBI sites are funding more energy and water projects with their own money, or are better at communicating the energy and water benefits of their sustainment projects
- Created a community of practice around the FEWCIP grants process, and more interest in talking about sustainability best practices in general.



Questions / Discussion