Net Zero Portfolio Analysis and Tracking

GSA

Technology Overview

The net-zero portfolio analysis and tracking technology uses artificial intelligence combined with building data (e.g., utility, climate zone, age, system types, energy cost, presence of fossil fuels, and other data assembled from public datasets) to rank the potential for retrofits and onsite renewable projects across an entire building portfolio. It offers a near-real-time visualization of how energy-efficiency initiatives impact the portfolio and tracks the environmental performance of the portfolio over time.

Why is GSA Interested?

Net-zero portfolio analysis and tracking can replace more costly and time-consuming energy audits. The manufacturer estimates the technology is 50–85% less expensive than energy audits and takes only minutes to import building data. For data accuracy, the manufacturer claims that the technology can provide 70–90% accuracy compared to manual energy audits.

Deployment Potential

The net zero portfolio analysis and tracking technology is applicable throughout GSA.

Green Proving Ground (GPG), in collaboration with the U.S. Department of Energy, is evaluating the real-world performance of Net Zero Portfolio Analysis and Tracking in federally owned buildings within GSA's inventory. The technology will be provided by Cambio AI and coordinated with other ongoing evaluations of this technology.

The GPG program enables GSA to make sound investment decisions in next generation building technologies based on their real world performance.