



# Fiscal Year 2023 Sustainability Scorecard Summary

NASA Kennedy Space Center's Sustainability Goal Scorecard provides a snapshot of the center's performance in meeting its sustainability goals. The scorecard provides a status of functional areas spanning renewable energy, sustainable buildings, sustainable acquisition, water efficiency, fleet management, energy performance contracting, and waste management. Kennedy's Environmental Management Branch monitors the performance in each of these categories to achieve a "Go for Green" status and identify improvement opportunities.



## GOAL 1

### Carbon Pollution-Free Electricity (CFE)

- Reviewed Florida Power & Light's 10-year plan to green the electrical grid. This information aids KSC with the development of a roadmap explaining opportunities and challenges to meet the agency goal of 100% CFE by 2030.
- Ongoing design and implementation of a 2-megawatt (MW) solar grid off Schwartz Road. Estimated construction completion date is May 2024.



## GOAL 4

### Reduction in Greenhouse Gas Emissions/Net-Zero Federal Operations

- KSC met performance measures outlined in the Energy & Water Efficiency and Resiliency FY23 Priority Management Plan.

**INTERESTING FACT:** If the energy conservation measures identified through the FY23 energy audits are implemented, it will save 6210 metric tons of carbon dioxide equivalent or CO<sub>2</sub>e annually.



## GOAL 2

### Zero-Emission Vehicle Acquisition

- Currently, alternative-fueled vehicles comprise 72% of Kennedy Space Center's vehicle fleet.
- KSC has added 13 dedicated electric vehicles (EVs), bringing the total number of EVs used on center to 22. Another six plug-in hybrid vehicles were also added, bringing the total number of hybrids used on center to 29.
- The installation of 62 additional EV charging ports on-center as part of the Phase II EV charging contract is expected to be complete by January 2024.



## GOAL 5

### Net-Zero Emissions Procurement

- Working with NASA headquarters (HQ) to develop an agency wide training program for Sustainable Acquisition.
- Working with NASA HQ regarding the waiver form for "Special Approvals and Affirmations of Requisitions."



## GOAL 6

### Climate Resilient Infrastructure and Operations

- Initiated sand source study, permitting, and design, in support of shoreline restoration.



## GOAL 3

### Net-Zero Emissions Building

- Design for the replacement of the heating/air conditioning systems in the Launch Control Center and Vehicle Assembly Building is complete. Construction is scheduled for the end of Fiscal Year 2024 (FY24).
- Upgrades to the Logistics Facility's heating/air conditioning system are scheduled for the end of Fiscal Year 2024.
- Design improvements of the Booster Fabrication Facility (BFF) mechanical systems were completed in July 2023. Construction is scheduled for FY24.
- Continuing the LEED Silver Certification process for BFF.
- Study for the Neil Armstrong Operations and Checkout Building to address facility aging and inefficient mechanical systems is underway.



## GOAL 7

### Promote a Climate and Sustainability-Focused Workforce

- Created a Sustainability Speaker series for KSC employees. Held nine webinars this FY with a combined total of over 1,000 attendees.
- Held two hands-on team-building activities to plant mangroves as part of a living shoreline initiative.
- Implemented a multi-faceted sea turtle nesting season outreach campaign for spaceport employees.

**INTERESTING FACT:** KSC beaches saw a record high of sea turtle nests in 2023, with 14,000 counted by Fish and Wildlife Services and Cape Canaveral Seashore personnel.