



# Safety and Environmental Newsletter

March 2021 – 107<sup>th</sup> Edition

2021 Governor's Environmental Excellence Awards Bronze Medal Winner

NASA Goddard Space Flight Center Wallops Flight Facility - Goddard Sustainability Program

The 2021 Governor's Environmental Excellence Awards were announced on March 25, 2021, as part of the Environment Virginia Symposium. The awards recognized the significant contributions in four categories: sustainability, environmental project, land conservation, and implementation of the Virginia Outdoors Plan. NASA Goddard Space Flight Center Wallops Flight Facility - Goddard Sustainability Program was a Bronze Medal Winner.

The highlights of Wallops Sustainability Program are shown below.

## BRONZE MEDAL WINNER

NASA Goddard Space Flight Center - Wallops Flight Facility  
Goddard Sustainability Program

SUSTAINABILITY PROGRAM



GSFC Wallops Flight Facility



Solar Farm



Solar Covered Parking



Dry Cooler with Free Cooling



Geothermal Well Drilling for Heat Recovery Chillers



LEED Silver Mission Operations Control Center

## Sustainability Program Highlights

- Installed 3.5 MW of on-site Solar Photovoltaic.
  - \$10.6M value based on life cycle cost savings.
  - Reduce GHG emissions by 3,959 tons CO<sub>2</sub>e.
- Constructed 2 LEED silver buildings.
  - Utilized permeable paving, Filterra® boxes, and underground stormwater collection system.
- Upgraded HVAC systems (6 buildings).
  - Geothermal with heat recovery chiller, dry coolers, & free cooling chiller.
- Re-Commissioned 4 buildings to optimize building performance.
- Diverted 99% of construction & demolition debris.
- Established a Utility Energy Savings Contract (UESC) partnership.
- Saved \$58,500 in energy costs for FY19 compared to FY18.



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## Wallops Flight Facility Highlight

The NASA Safety Center (NSC) recently published an article about Wallops Flight Facility and how our team continues to prepare and assemble Interim Response Teams (IRTs) for every launch despite the global pandemic. We invite you to read the article and hear more about the process on NSC's website [here](#). Kudos to the team!



## Update to GPR 8715.8

Goddard Procedural Requirement (GPR) 8715.8, Fall Protection Requirements for GSFC, has been updated to include Appendix D – WFF Climbing Safety Device Standardization. All employees are encouraged to review this update. The updated GPR can be found on the Goddard Directives Management System (GDMS) [here](#).

## Utility Work – Protect Yourself From Hazards

There are several high-risk hazards associated with utility jobs and because of that, there is no room for complacency. The NASA Safety Center (NSC) recently published a very informative article on the hazards associated with utility work and tips and reminders to help minimize incidents at NASA.

Topics covered include:

- Procedure and Configuration Control Errors
- Tips to Avoid Errors and Manage Configuration Control
- Safety Protocol Reminders
- Communication Issues and Personal Awareness
- Tips to Improve Communication
- Tips for Personal Awareness to Avoid Errors and Injury
- Working on Utilities in Confined Space
- Training

The NSC article regarding utility work can be found [here](#).

According to the NASA Mishap Information System (NMIS), 80% of recent utility work incidents at NASA were close calls. 30% were high-risk events, meaning the incident could've caused a Type A or B injury, illness, property damage or mission loss.