

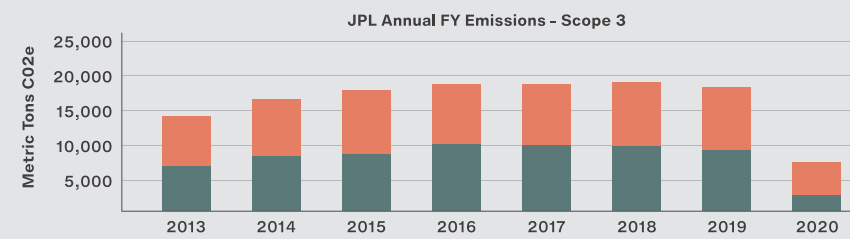
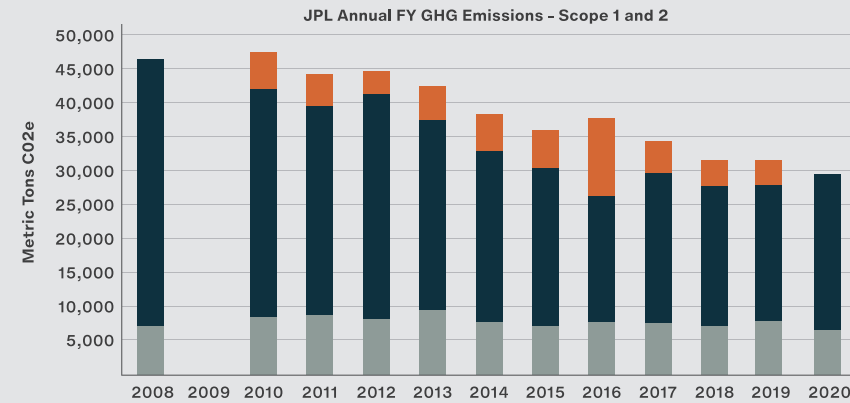
# JPL Sustainability

## Greenhouse Gas Emissions

### ANNUAL GOALS:

Greenhouse gas emission reductions are tracked and compared to FY08 baseline year. There is not a stated annual goal, but, emission reductions from FY08 baseline are tracked as an indicator metric.

- Scope 2: Renewable Energy Credit (REC) Component of Indirect Emissions Reduction
- Scope 2: Indirect Emissions with REC Reduction (Electricity, etc.)
- Scope 1: Direct Emissions (Natural Gas, Fleet, etc.)
- Scope 3: Employee Commute
- Scope 3: Air Travel



## Renewable Energy

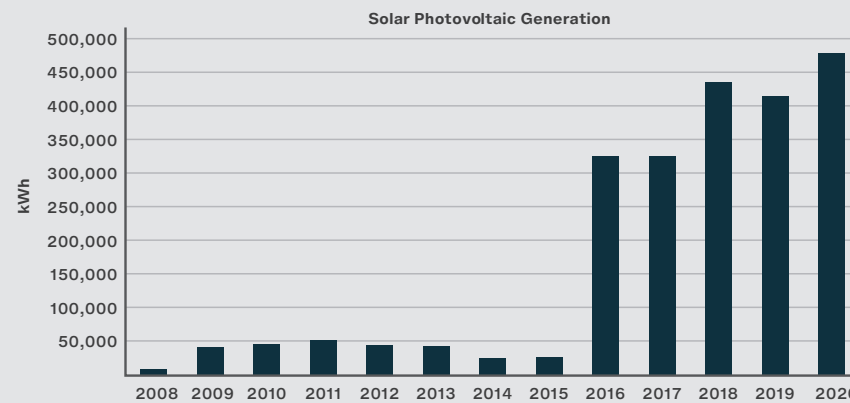
### ANNUAL GOALS:

- Meet or exceed 7.5% of total electricity consumption from renewable sources

### JPL FY20 UPDATES:

- 0.5% of electricity sourced from renewable sources in FY20\*

\*Note: Changes in RECs usage. Agency will approve as needed for LEED Certification. Only Onsite Renewable Sources provided in report.



JPL WILL INCREASE SUSTAINABILITY OF ITS OPERATIONAL FOOTPRINT, advancing projects and processes to reduce greenhouse gas emissions and increase energy efficiency, water conservation, and waste diversion. Doing so will help significantly reduce costs and be consistent with our role as a member of the local and global community to mitigate climate change.

## Energy Efficiency

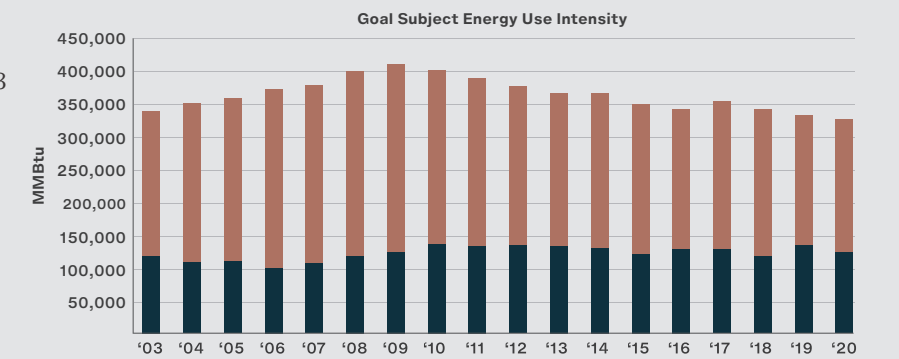
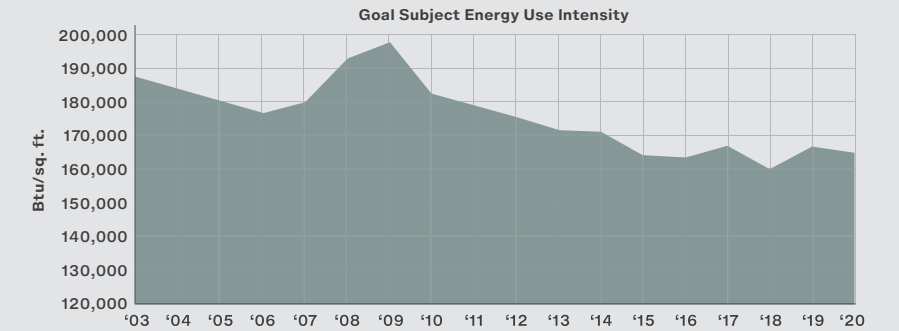
### ANNUAL GOALS:

- Meet or exceed 30% reduction in Btu/GSF from 2003 baseline
- Annually reduce energy intensity compared to year prior

### JPL FY20 UPDATES:

- Decreased energy intensity by 11% in FY20 compared to baseline FY03
- Decreased energy intensity by 2% in FY20 compared to FY19

- Energy Use Intensity
- Electricity
- Natural Gas



## Water Efficiency

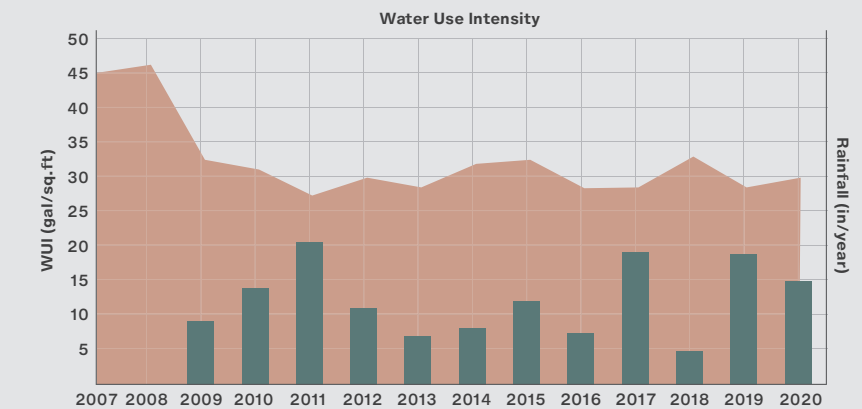
### ANNUAL GOALS:

- Achieve 20% reduction relative to FY07
- Annually reduce water use intensity compared to year prior

### JPL FY20 UPDATES:

- Decreased water intensity by 35% in FY20 compared to baseline FY07
- Increased water intensity by 3% in FY20 compared to FY19

- Water Use Intensity
- Rainfall



# JPL Sustainability

## Waste Reduction and Diversion

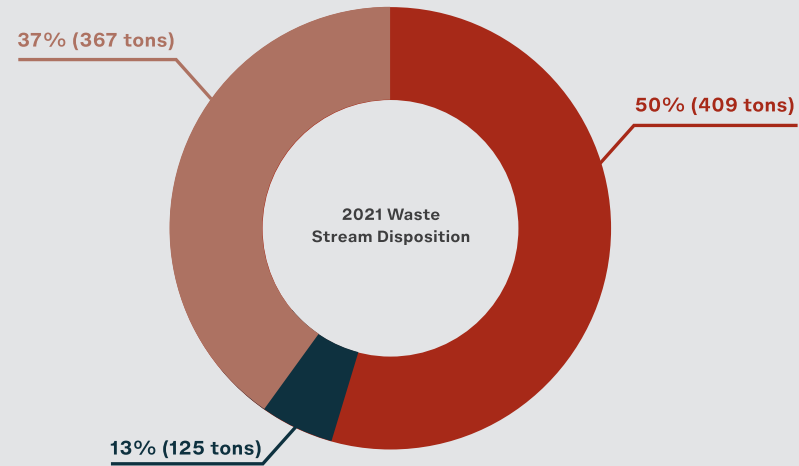
### ANNUAL GOALS:

- Divert 50% of construction and demolition debris (C&D) waste from landfills
- Divert 50% of non C&D solid waste from landfills

### JPL FY20 UPDATES:

- 63% overall waste diversion rate in FY20
- 88% diversion of C&D waste
- 57% diversion of non C&D solid waste

- Recycled (Tons)
- Compost (Tons)
- Landfill (Tons)



## Fleet Management

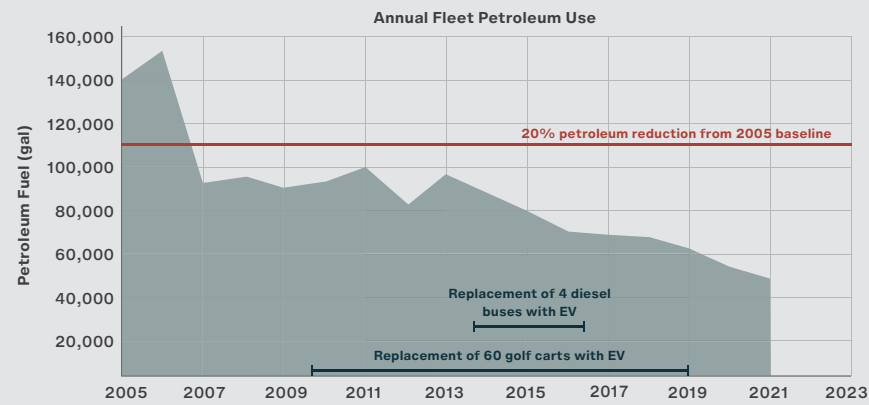
### ANNUAL GOALS:

- At least 20% reduction in petroleum since 2005
- Make progress in reducing petroleum use compared to prior year

### JPL FY20 UPDATES:

- Decreased petroleum consumption by 82% compared to baseline 2005
- Reduced petroleum use by 12% in 2020 compared to 2019

- Actual JPL & GDSCC Annual Fuel Use



## Materials and Sustainable Acquisitions

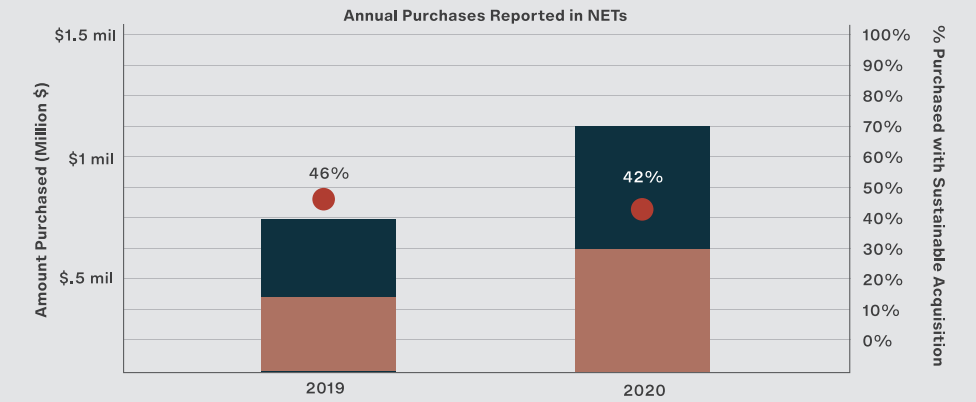
### ANNUAL GOALS:

- Increase percentage of sustainable acquisitions of total contract actions and total dollar value from year prior

### JPL FY20 UPDATES:

- Standard Acquisition Instructions reference selection of sustainable materials in procurement as requirement
- 42% of acquisitions by dollar value were sustainable in FY20

- Amount Purchased - Not Sustainable Acquisitions
- Amount Purchased - Sustainable Acquisitions
- Percent Purchased with Sustainable Acquisitions



## High Efficiency Sustainable Buildings

### ANNUAL GOALS:

- At least 25% of buildings or gross square footage meet sustainable building criteria
- Increase % buildings or GSF that meet GP compared to prior year

### JPL FY20 UPDATES:

- In FY20, 425,949 of JPL square footage met sustainable building criteria.
- In FY21, continued LEED Existing Building and New Construction Certification efforts.

