

JPL SUSTAINABILITY

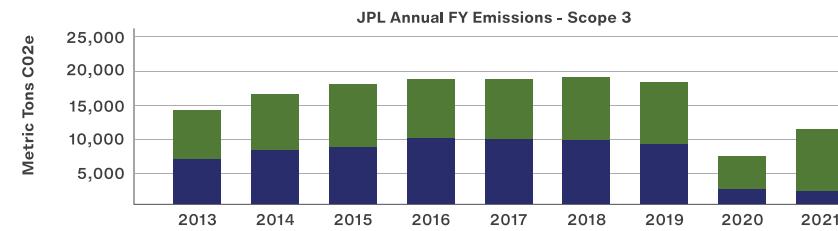
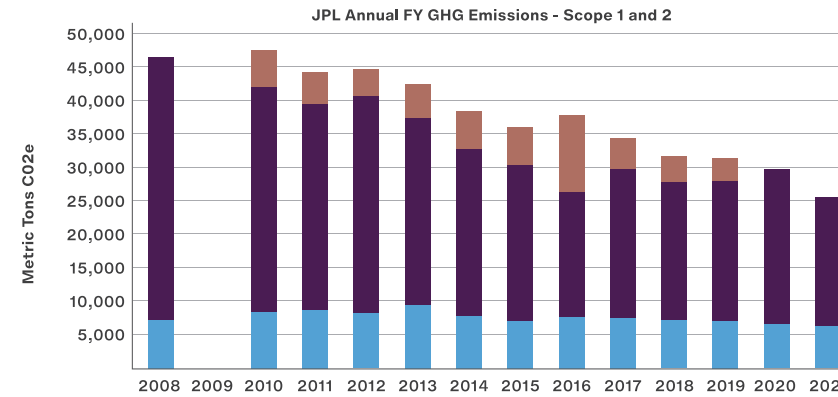
JPL WILL INCREASE SUSTAINABILITY OF ITS OPERATIONAL FOOTPRINT, advancing projects and processes to reduce greenhouse gas emissions and increase energy efficiency, water conservation, and waste diversion. Doing so will help significantly reduce costs and be consistent with our role as a member of the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

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



ENERGY EFFICIENCY

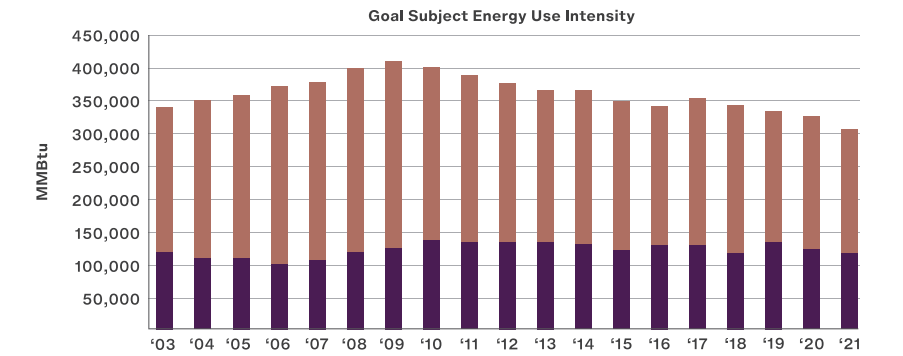
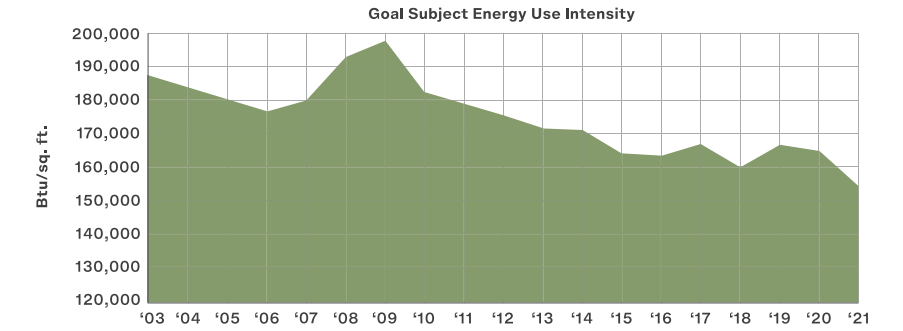
ANNUAL GOALS:

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

JPL FY21 UPDATES:

- Decreased energy intensity by 17% in FY21 compared to baseline FY03
- Decreased energy intensity by 6% in FY21 compared to FY20

- Energy Use Intensity
- Electricity
- Natural Gas



RENEWABLE ENERGY

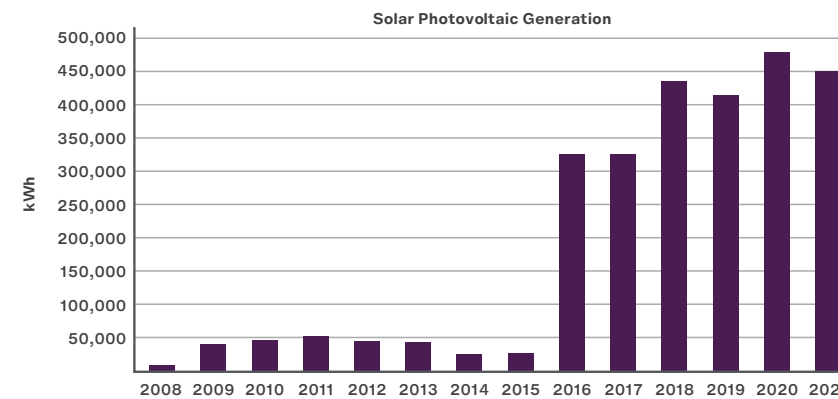
ANNUAL GOALS:

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

JPL FY21 UPDATES:

- JPL activated a 766 kW-AC PV system installed atop the Arroyo Parking Structure (B349). Collectively, JPL's three PV systems are now producing over 2% of the electricity used at JPL.

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



WATER EFFICIENCY

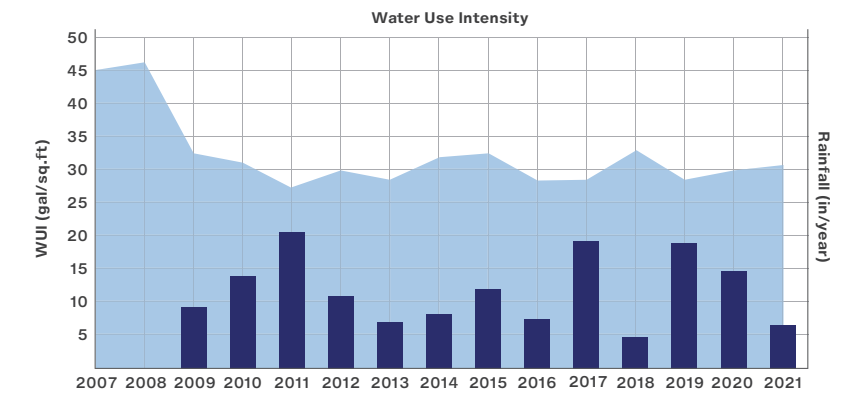
ANNUAL GOALS:

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

JPL FY21 UPDATES:

- Decreased water intensity by 33% in FY21 compared to baseline FY07
- Increased water intensity by 2% in FY21 compared to FY20

- Water Use Intensity
- Rainfall



JPL SUSTAINABILITY

WASTE REDUCTION AND DIVERSION

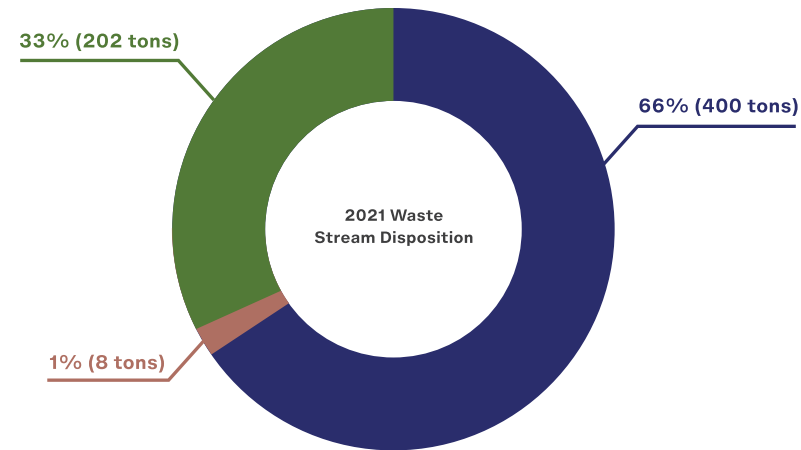
ANNUAL GOALS:

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

JPL FY21 UPDATES:

- 71% overall waste diversion rate in FY21
- 83% diversion of C&D waste
- 67% diversion of non C&D solid waste

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



MATERIALS AND SUSTAINABLE ACQUISITIONS

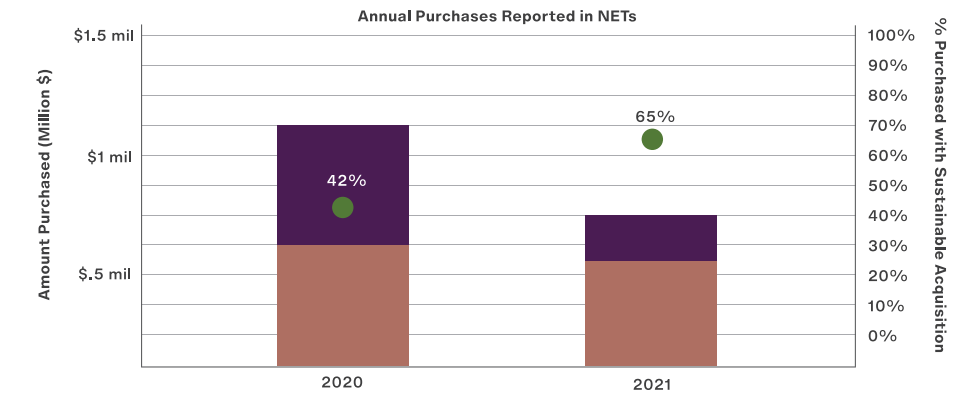
ANNUAL GOALS:

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

JPL FY21 UPDATES:

- Standard Acquisition Instructions reference selection of sustainable materials in procurement as requirement
- 65% of acquisitions by dollar value were sustainable in FY21

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



FLEET MANAGEMENT

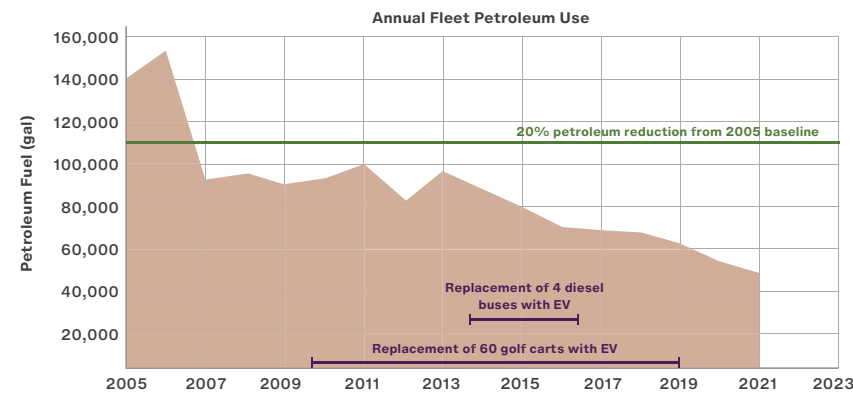
ANNUAL GOALS:

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

JPL FY21 UPDATES:

- Decreased petroleum consumption by 91% compared to baseline 2005
- Reduced petroleum use by 9% in 2021 compared to 2020

- Actual JPL & GDSCC Annual Fuel Use



HIGH EFFICIENCY SUSTAINABLE BUILDINGS

ANNUAL GOALS:

- At least 26% of buildings or gross square footage meet sustainable building criteria
- Increase % buildings or GSF that meet GP compared to prior year

JPL FY21 UPDATES:

- In FY21, 514,654 of JPL gross square footage met sustainable building criteria
- In FY22, continued LEED Existing Building and New Construction Certification efforts

