

SUSTAINABILITY @ PURDUE

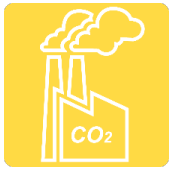


**KPI Reporting
FY20**

**Sustainability Master Plan
A 2020 Vision for the Future**

Sustainability Master Plan 2020

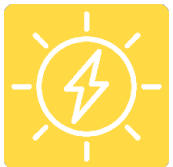
ENERGY



E-1 Cut Carbon Emissions in Half



E-2 No Net Gain



E-3 Pursue 500kW Renewable Energy

WATER



W-1 Reduce Water by 30%

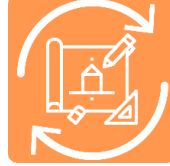


W-2 Strategy to Eliminate the CSO

MATERIALS



M-1 Recycle Half our Waste



M-2 Recycle 75% + Construction Waste



M-3 Recycle All Institutional e-Waste

BUILDINGS



B-1 LEED Silver for New Buildings > \$10M



B-2 High Performance Requirements for Building Renovations < \$10M

GROUND



G-1 Plant One Tree per Day

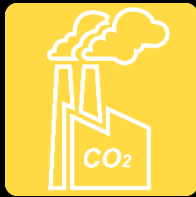


G-2 Sustainable Landscapes for Purdue



G-3 Double Bike Infrastructure

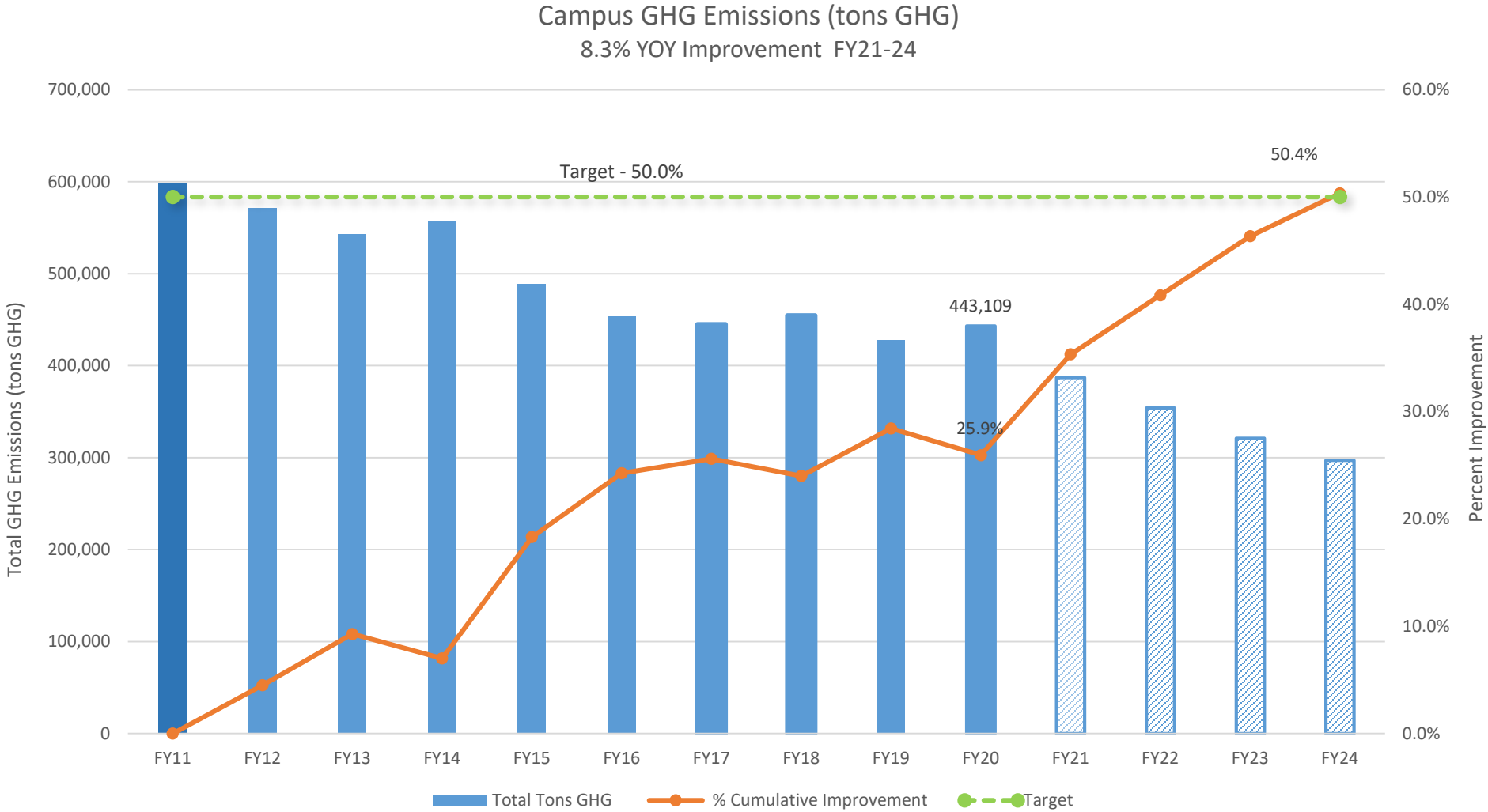
E-1 Cut Carbon Emission in Half



GOAL: Reduce Scope 1 and 2 carbon emissions by 50% by FY25, with FY11 as the baseline year.

KPI: % reduction in carbon emissions from FY11 baseline

FY20: 25.9% reduction to date



Notes: (1) Graph shows Scope 1 and Scope 2 emissions.
Source: Energy & Utilities

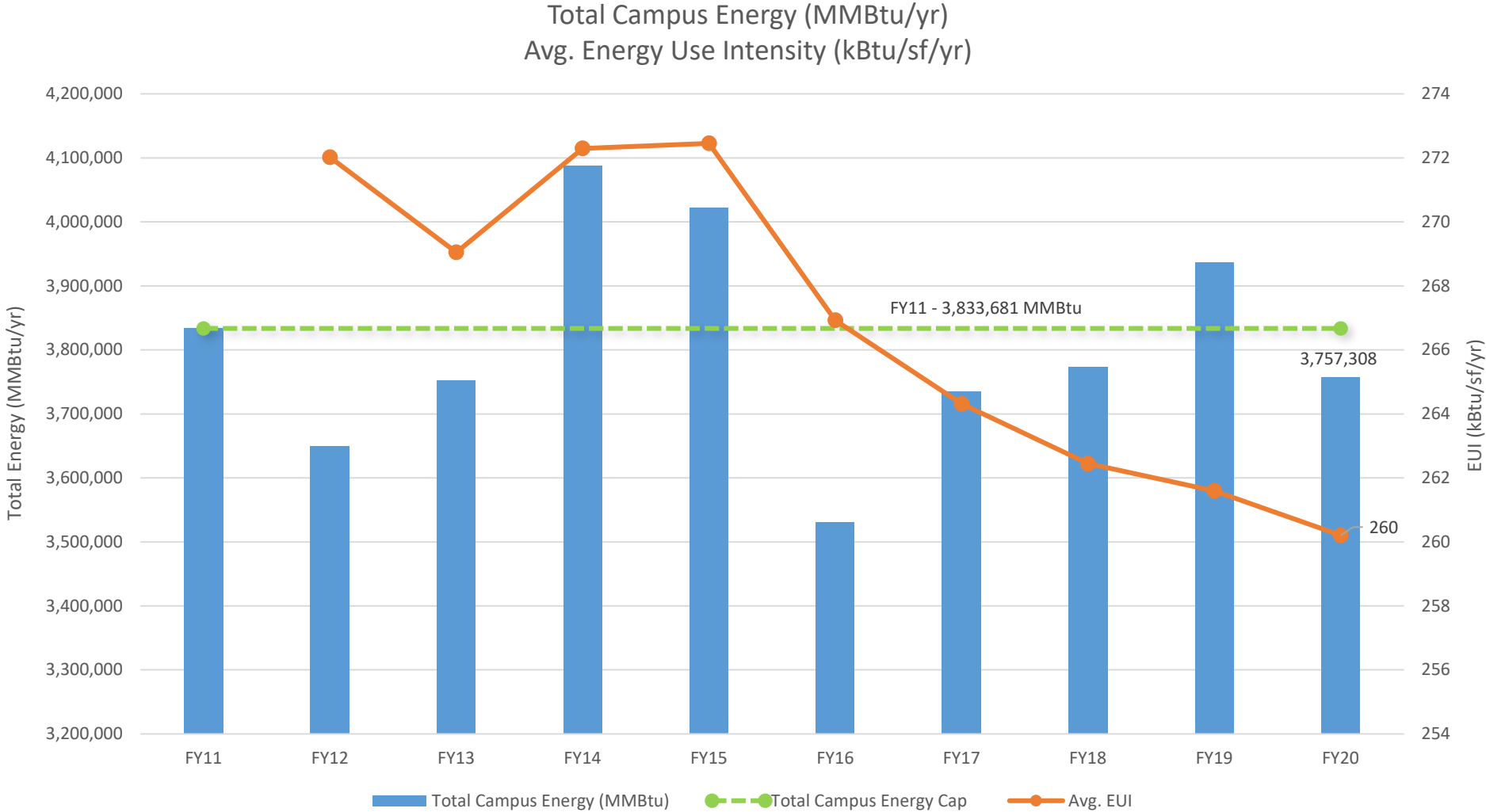
E-2 No Net Gain



GOAL: Cap total energy consumption at FY11 levels in order to show no net gain in total energy consumption despite an increase in total campus gross square feet.

KPI: MMBtu total annual energy use – [FY11 level = 3,833,681 MMBtu]

FY20: 3,757,308 MMBtu total annual energy use (with approximately 1.5M GSF of growth)

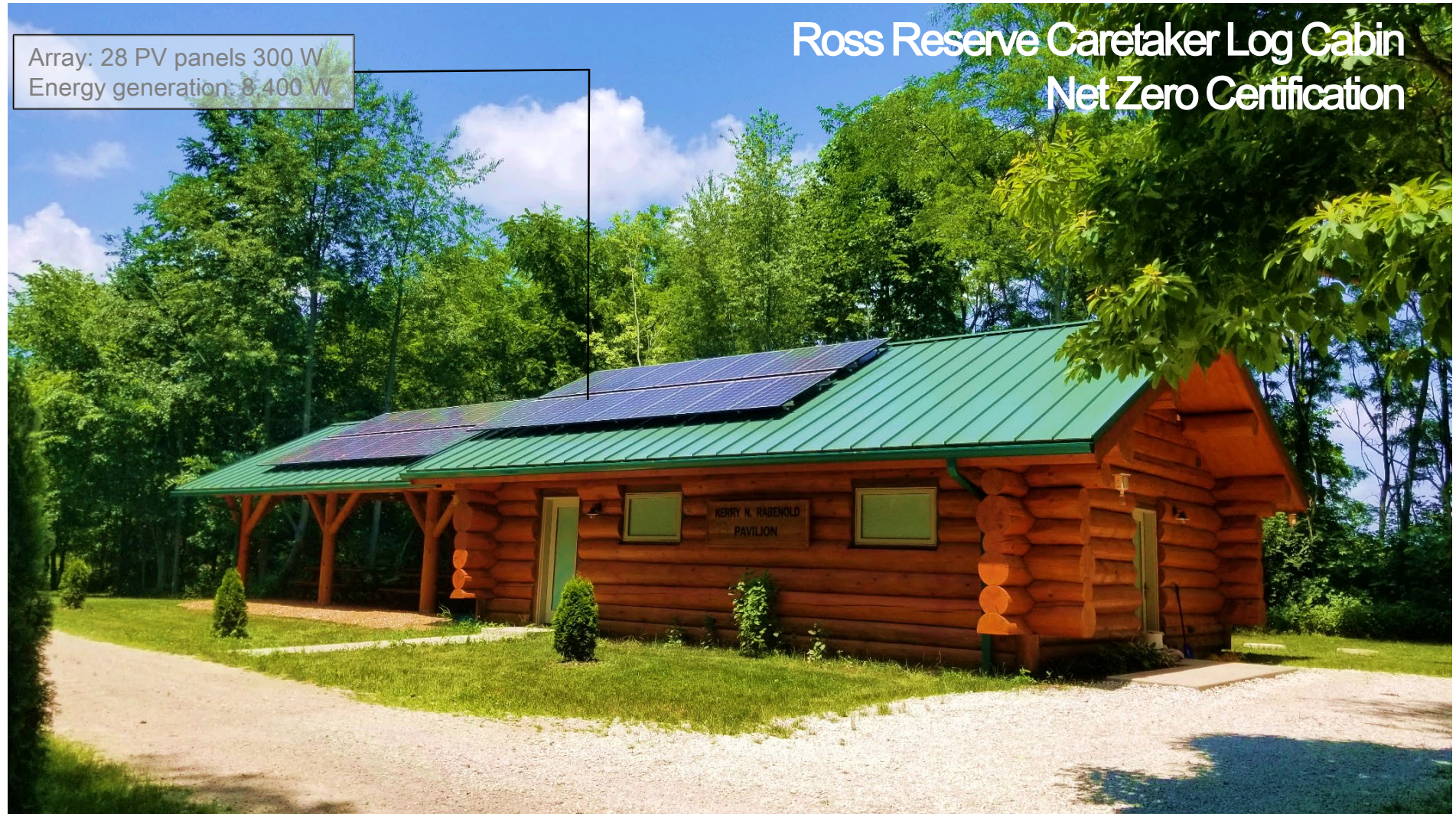


Source: Energy & Utilities

GOAL: Pursue 500 kilowatts of renewable energy capacity on campus by FY25.

KPI: Kilowatts of renewable energy installed.

FY20: Ongoing evaluations of opportunities with 3rd party vendors (P3 and PPA/VPPA)



Source: Office of Campus Planning and Sustainability

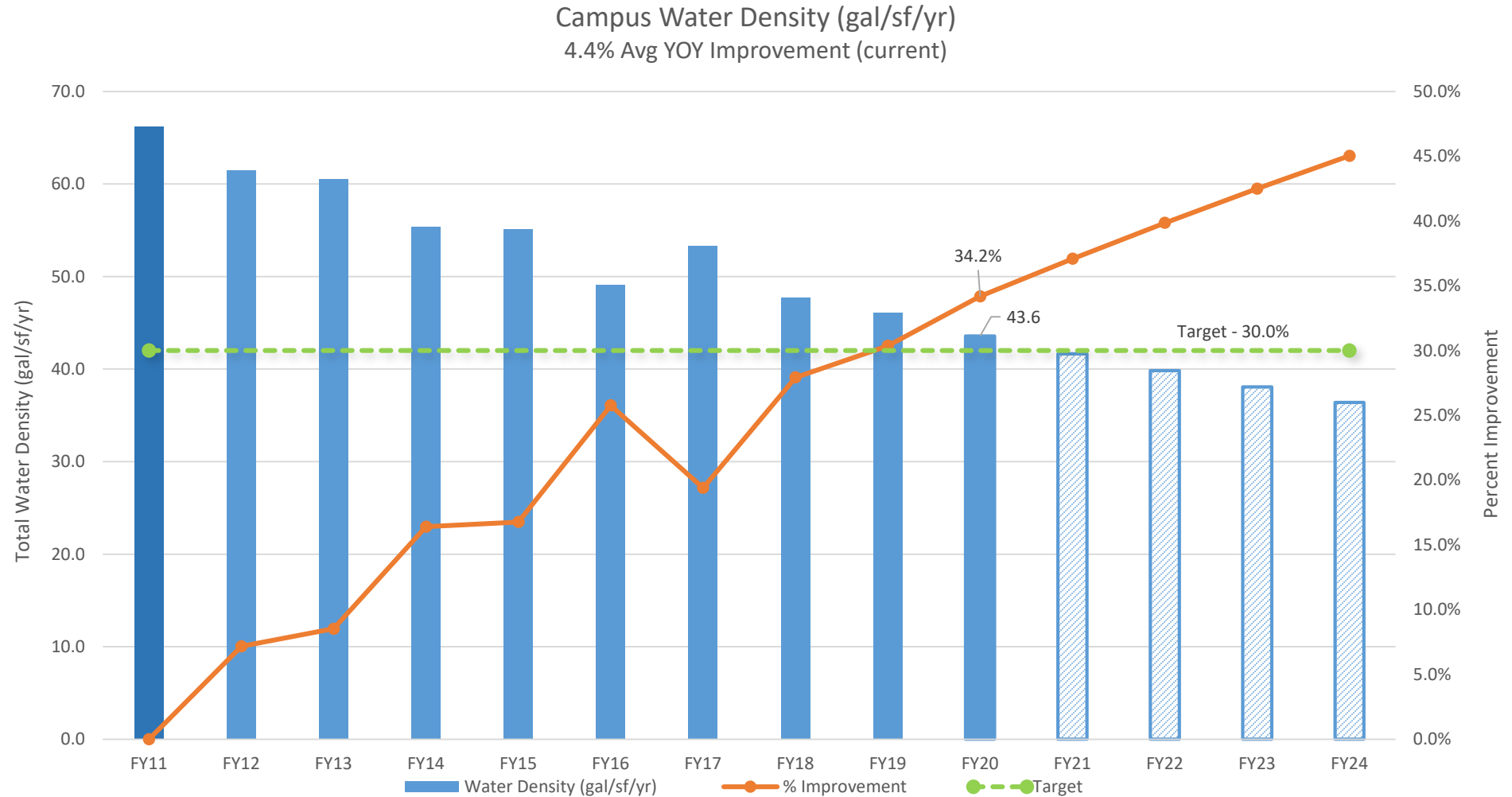
W-1 Reduce Water by 30%



GOAL: Reduce potable water consumption inside buildings and for irrigation by 30% by FY25 on a gallon per square foot basis, with FY11 as the baseline year.

KPI: 30% reduction of campus water use on a gal/sf/yr basis

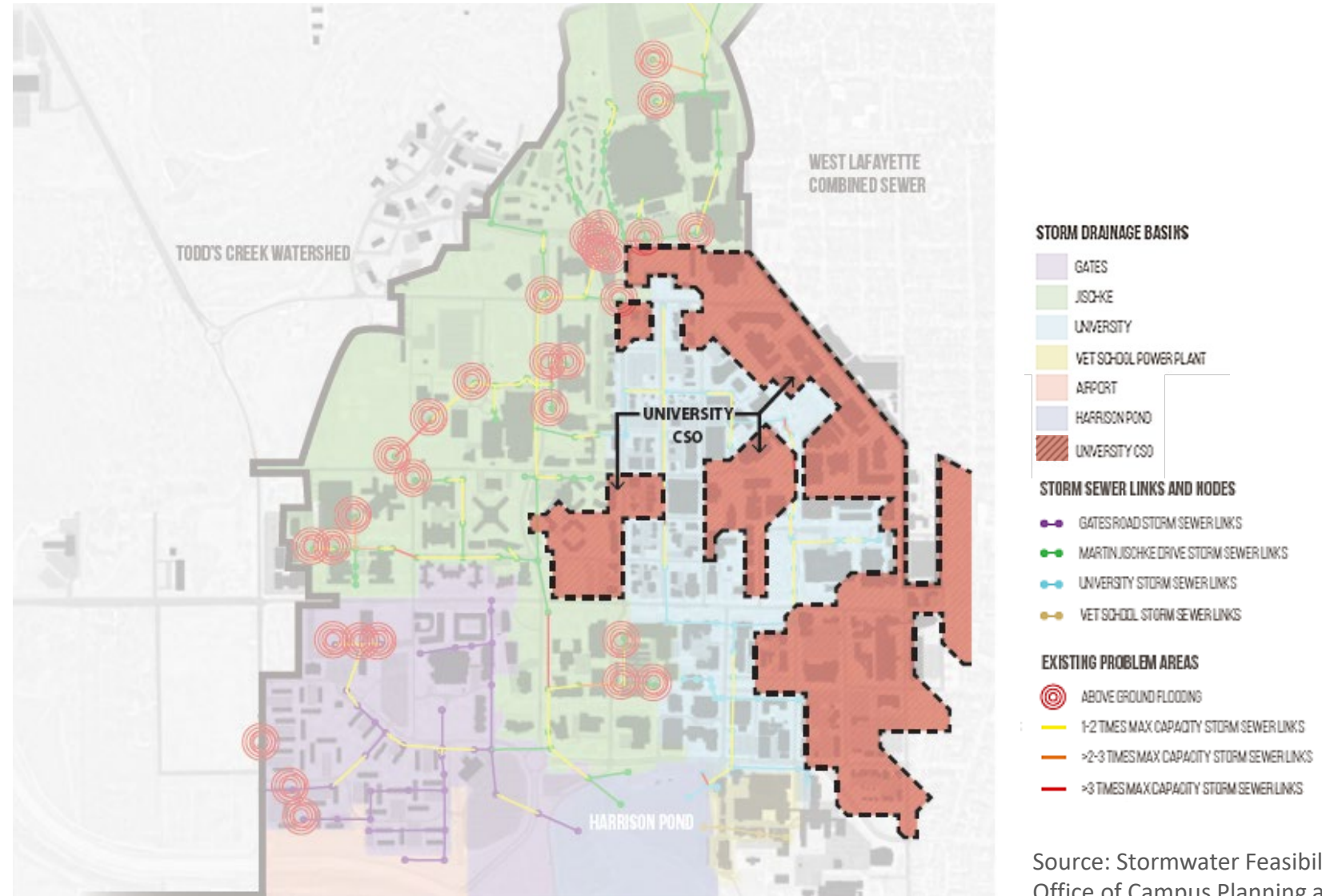
FY20: 34.2% reduction to date (gal/sf/yr basis)



GOAL: Develop a strategy to eliminate the University combined sewer overflow (CSO) system on campus.

KPI: Development of a strategy to eliminate the University combined sewer overflow (CSO) system on campus

FY20: Green infrastructure / stormwater study - 75% completed



Source: Stormwater Feasibility Study – Office of Campus Planning and Sustainability

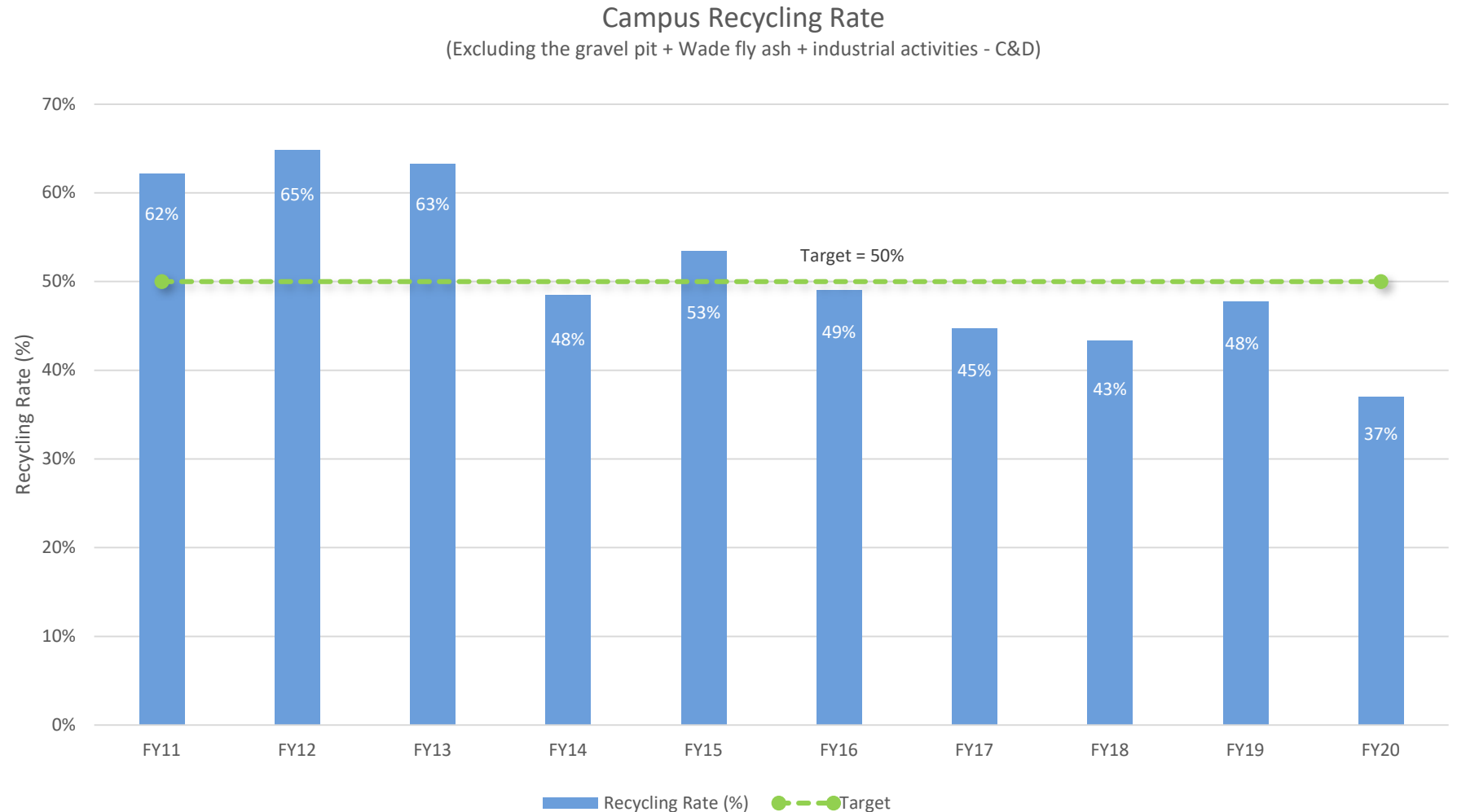
M-1 Recycle Half our Waste



GOAL: Achieve an annual campus waste recycling (diversion) rate of 50% by FY25.

KPI: Annual campus waste recycling (diversion) rate

FY20: 37% Annual campus waste recycling (diversion) rate



Source: Data compiled by the Office of Campus Planning and Sustainability

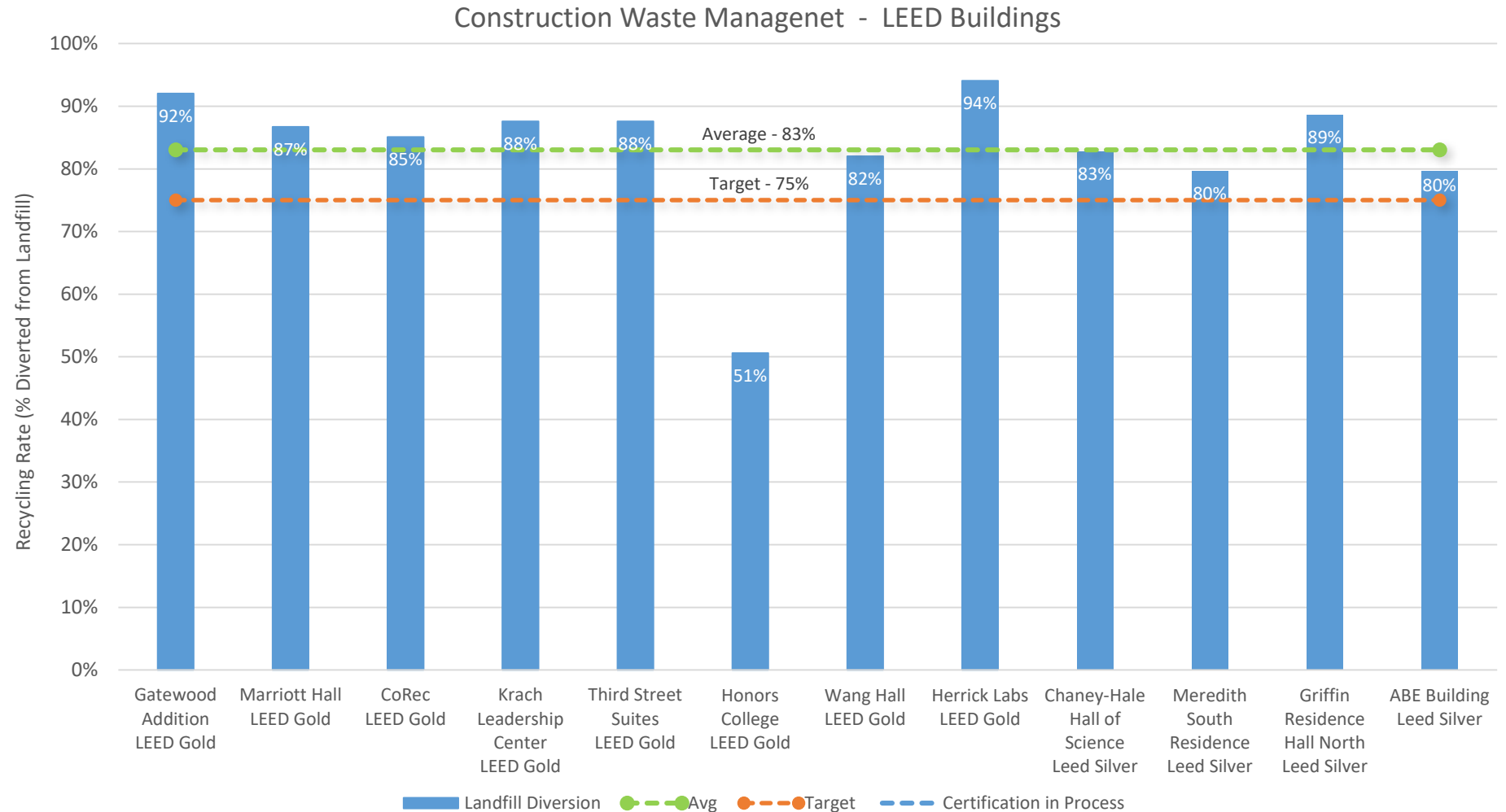
M-2 Recycle 75%+ Construction Waste



GOAL: Require all construction projects with a project cost greater than \$5,000,000 to recycle at least 75% of their waste by FY25.

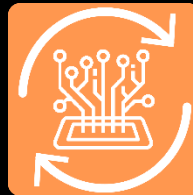
KPI: Recycling rate of construction waste from projects with a project cost greater than \$5M

FY20: 83% recycling rate (average on LEED projects to date)



Source: Office of Campus Planning and Sustainability

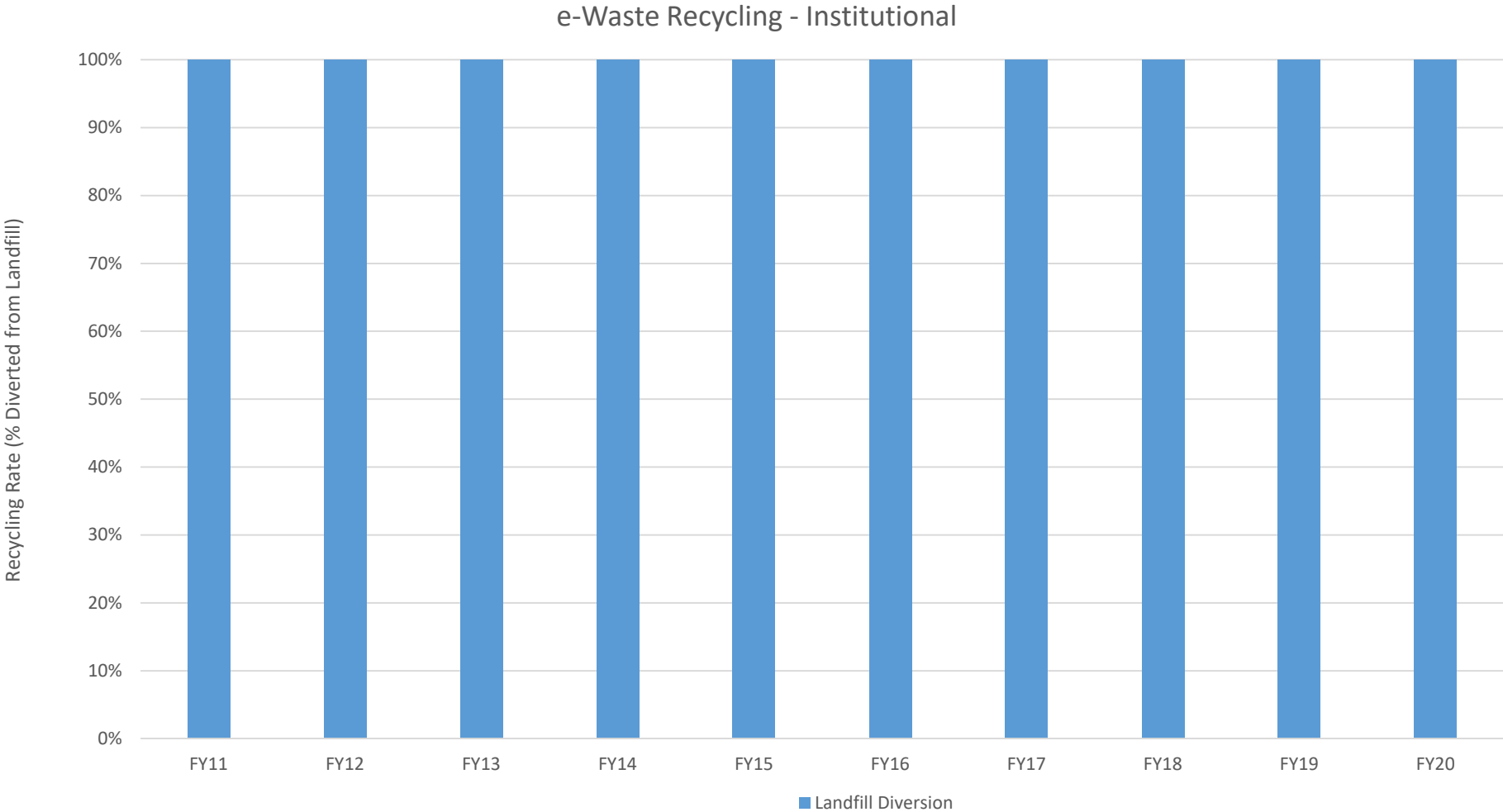
M-3 Recycle All Institutional e-Waste



GOAL: Recycle, reuse or refurbish 100% of institutional e-waste by FY25.

KPI: Recycling rate of institutional e-waste

FY20: 100% reused , recycled, or refurbished to date



Source: Materials Management and Distribution

B-1 LEED Silver for New Buildings >\$10M



GOAL: All projects with a total cost greater than \$10M will achieve LEED Silver certification or better.

KPI: Achieve LEED Silver certification on building projects >\$10M

FY20: Current projects pursuing LEED:
3 : In construction
1 : Certification
3 : Recently certified



In Construction

Recently Completed



B-2 High Performance Renovations <\$10M



GOAL: Develop and require prescriptive high-performance criteria for projects with a total cost of less than \$10M.

KPI: Development of prescriptive performance targets and high-performance criteria for projects with a total cost of less than \$10M

FY20: FY22 in-house project



Grissom Hall Renovation

GOAL: Plant at least 365 new trees per year with the total trees planted by FY25 landing at 1,869 – goal *doubled by Pres. Daniels to 3,738 trees.*

KPI: Trees planted since beginning of

FY20: Campus tree plan developed - 369 trees to date



G-2 Sustainable Landscapes for Purdue



GOAL: Deliver an update to the Sustainable Landscape Plan by FY22 to incorporate current best practices and leadership opportunities. Align 100% of grounds with the updated plan by FY25.

KPI: 1 - Update Plan
2 - 100% alignment with new plan

FY20: FY21 activity to develop draft plan



PURDUE
UNIVERSITY

SUSTAINABLE LANDSCAPE PLAN

WEST LAFAYETTE CAMPUS

IN SUPPORT OF
LANDSCAPING THE SUSTAINABLE CAMPUS
AN INDIANA WILDLIFE FEDERATION PROGRAM

APRIL 2012

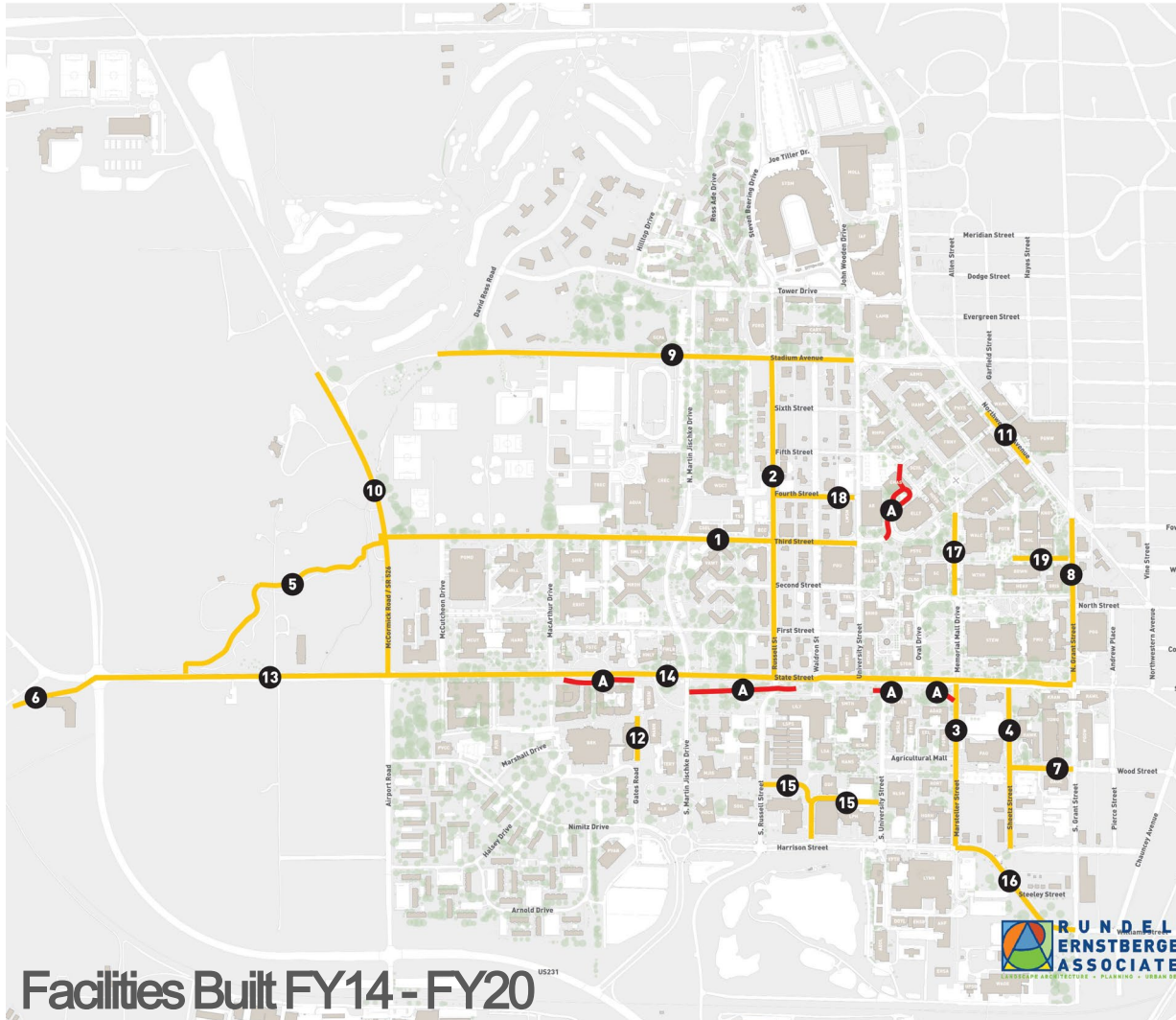
G-3 Double Bike Infrastructure



GOAL: Increase bicycle infrastructure by 100% by FY25, with FY14 as the baseline year (6.25 mi baseline).

KPI: % increase in length of bicycle infrastructure

FY20: 5.69 mi. installed (91%)



Purdue Bicycle System Map Facilities Built 2014 - 2020

1. 3rd Street Sharrows
Length = 0.73 mi
2. Russell Sharrows
Length = 0.50 mi
3. Marsteller Bike Lanes
Length = 0.25 mi
4. Sheetz Street Sharrows
Length = 0.25 mi
5. Hort Park Bike Path
Length = 0.45 mi
6. 231 Bike Path
Length = 0.14 mi
7. Wood Street Bike Lanes/Sharrows
Length = 0.10 mi
8. Grant Street Bike Lanes/Sharrows
Length = 0.28
9. Stadium Cycle Track
Length = 0.65 mi
10. McCormick Cycle Track
Length = 0.49 mi
11. Northwestern Cycle Track
Length = 0.10 mi
12. Discovery Park Cycle Track
Length = 0.07 mi
13. State Street - west of McCormick
Length = 0.59 mi
14. State Street - McCormick to Grant
Length = 1.07 mi
15. Ag School Sharrows & Cycle Track
Length = 0.26 mi
16. Williams Street Connector
Length = 0.24 mi
17. Centennial Mall Cycle Track
Length = 0.32 mi
18. 4th Street Bike Lanes/Sharrows
Length = 0.13 mi
19. Central Drive Cycle Track
Length = 0.09 mi
- A. Bike Facilities Removed
Length = -0.33 mi

SUSTAINABILITY @ PURDUE



**KPI Reporting
FY20**