

Board of Trustees

Sustainable Operations Update

December 12th, 2025



Administrative Operations

University Wide Sustainability



2025 Recognition

#6 U.S. University

Times Higher Education
Sustainability Impact Ranking

#17 U.S. University

Sustainability in Higher Education,
QS World University

Bee Campus USA

Inaugural recognition in 2025

Tree Campus USA

Received annually since 2009



Purdue West Lafayette Emissions

↓39%

REDUCTION IN GREENHOUSE GAS
EMISSIONS FY11-25

604K metric tons (FY11) to 369K metric tons (FY25)

↑39%

GROWTH IN WEST LAFAYETTE CAMPUS
STUDENT ENROLLMENT

39,726 (FY11) to 55,119 (FY25)

↑18%

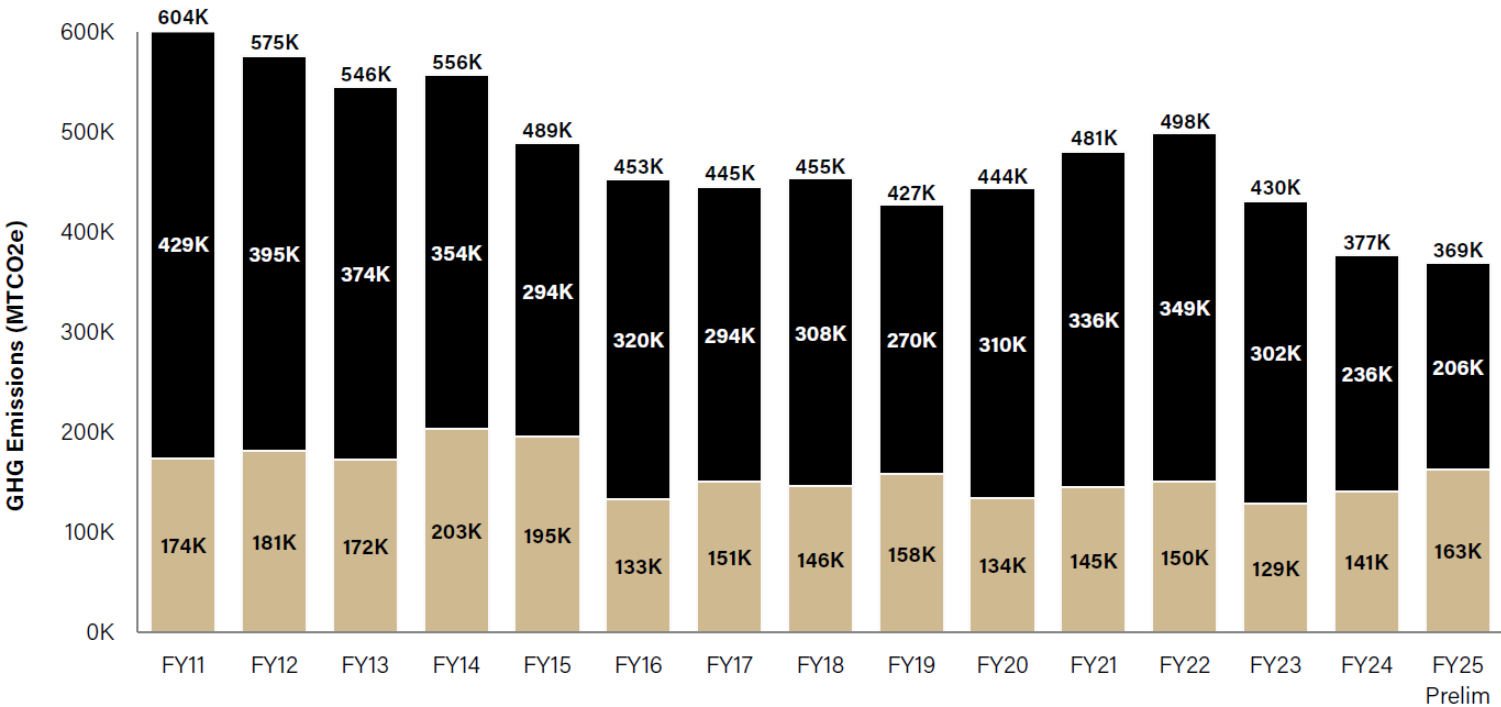
GROWTH IN PURDUE OWNED GROSS
SQUARE FOOTAGE (GSF)

17,648,695 (FY11) to 20,873,491 (FY25)
Reflects West Lafayette campus proper
(only owned space, no farms)

GREENHOUSE GAS EMISSIONS BY SCOPE

Fiscal Years 2011 - 2025

Direct (Scope 1) Indirect (Scope 2)



Other Operational Accomplishments

55,000+ tons of materials recycled (FY11-25)

19 buildings certified (e.g., LEED),
7 buildings in certification process (FY11-25)



~4,000 trees planted on campus (FY20-25)

At least **2,500,000,000 gallons** of water saved (FY11-FY25)

19% decrease in total energy use per square foot (FY11-25)



10 miles of new and improved bicycle infrastructure installed (FY14-25)

Sustainable Operations

1

Advance Towards a Low Carbon Future

- Continue leadership role in the **pursuit of nuclear energy** in Indiana
- Perform **energy optimization** within campus buildings
- Optimize campus utility systems to **improve energy efficiency** and **reduce emissions**

2

Consume Responsibly & Minimize Waste

- **Reduce campus water use** per square foot
- **Reduce per capita waste material** going to the landfill
- Develop sustainability criteria for **purchased goods** and **services**

3

Cultivate a Thriving Built and Natural Environment

- Analyze and update sustainability standards for **new construction** and **major renovations**
- Achieve **Tree Campus** and **Bee Campus** recognitions annually

Small Modular Reactor Interest

WHY?

- > Safe, reliable and affordable utility services while ensuring a sustainable future
- > Plan for steam and electric generation asset replacements that meet campus needs

BEST SOLUTION

NEAR CAMPUS SMR or MICROREACTOR

Replace existing electricity and steam, generated and produced
Provide research opportunities
Greatest impact on GHG emissions reduction
Cost commensurate with existing operations

BETTER SOLUTION

IN STATE SMR, PURDUE OFF TAKER

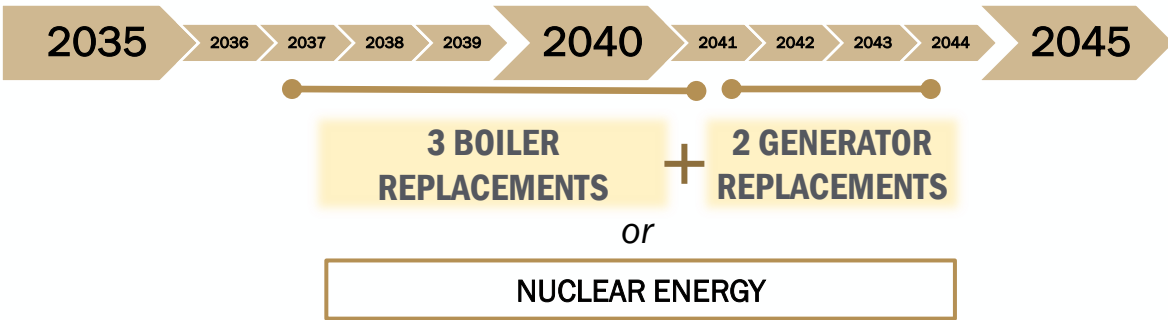
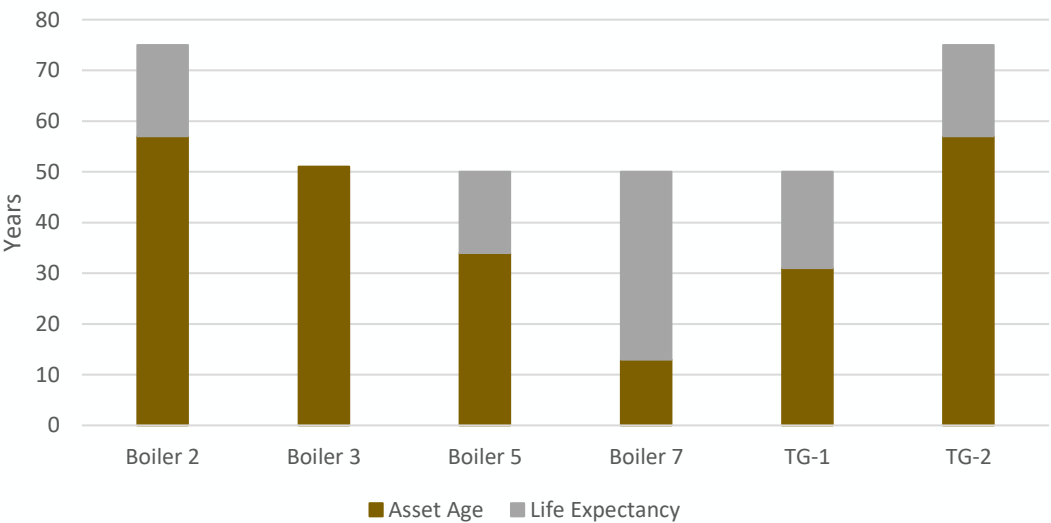
Replace existing electricity, generated and procured
Continue to reduce GHG emissions
Cost commensurate with existing operations

GOOD SOLUTION

IN STATE SMR

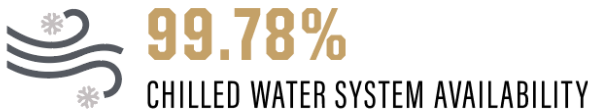
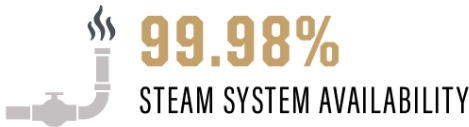
Establish supply chain, lower cost of future SMRs
Help reduce carbon intensity of the grid

STEAM & ELECTRICITY GENERATION ASSET AGE - 2025

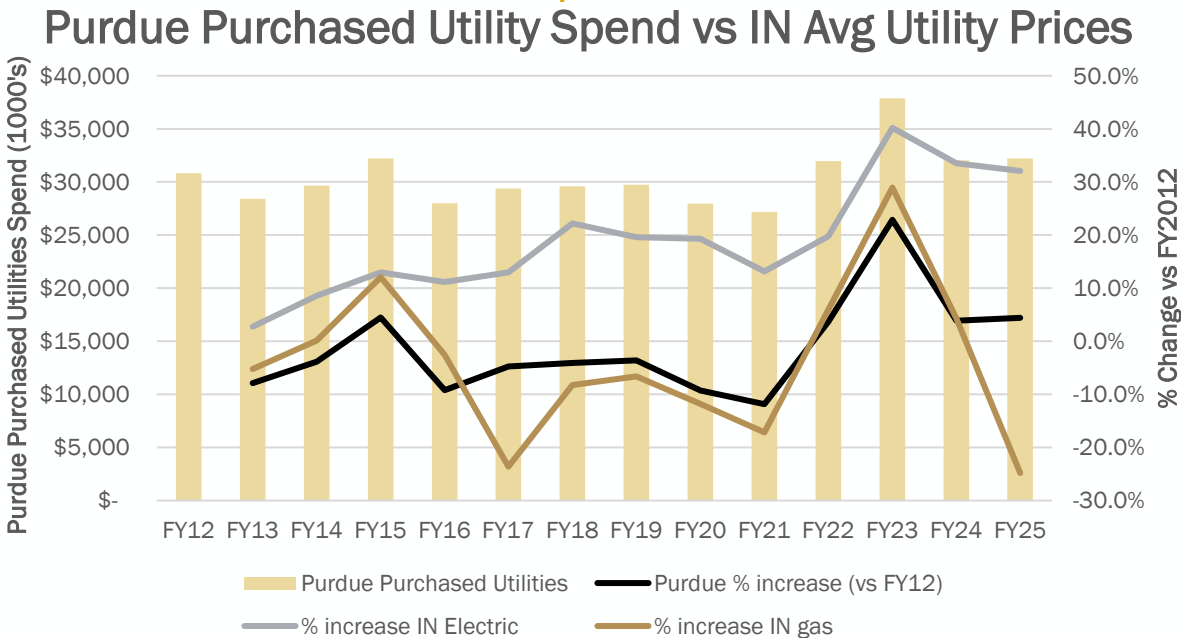


Energy and Utilities - Objectives

RELIABILITY



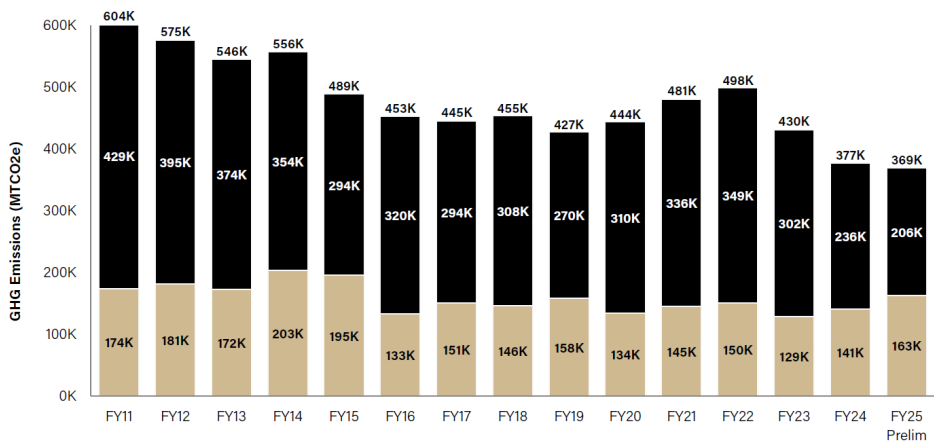
AFFORDABILITY



SUSTAINABILITY

GREENHOUSE GAS EMISSIONS BY SCOPE

Fiscal Years 2011 - 2025



Purdue University

State Leadership

GLOBAL NUCLEAR ENERGY ECONOMIC SUMMIT

November 5-6, 2025 | Purdue West Lafayette

Purdue Announces...

- › Small Modular Reactor Online Credential Program
- › Creation of Institute for Energy Innovation
- › Strategic Partnership with BWXT



- › **First American Nuclear Announces** Offices and Investment in Indiana
- › **AES Indiana Announces** Next Steps in SMR Studies for Indiana

FUTURE EVENTS AND ACTIVITIES IN PLANNING...

520+

SUMMIT ATTENDEES

Including policy makers, leaders from nuclear, finance, utilities, and skilled trades organizations, along with faculty, staff and students



THANK YOU



Administrative Operations