

U of A Sustainability Council Agenda
Davis Hall Rm. 111 (Conference Room)

Tuesday
Sept 18th, 2018
3:00-4:30



Meeting Minutes

1. Call to order
2. Approval of minutes
3. Approval of agenda
4. Co-chair updates
 - a. Executive Director, Arkansas Resiliency Center
 - i. In China for project
 - b. Associate Vice Chancellor, Facilities Management
 - i. 60K added to Green Revolving Fund
 - ii. Texas PSC killed Windcatcher program--but we are pushing SWEPCO to find another way
 - iii. SEFOR cleanup slated to be completed by May 2019
 - c. ASG Sustainability Chair, William Motazed
 - i. Goals: All ASG events zero waste, will not fund styrofoam, aluminum, etc for RSOs, how to streamline recycling with housing, and fraternities and sororities
 - ii. ASG is very supportive of cycling on campus and has resources to help advance it
5. Overview of sustainability academic programs
 - a. SUST minor, 18 hrs + Capstone project
 - b. Grad Certificate, 15 hrs and required Sustainability in Business
 - c. Multi-disciplinary teaching structure, faculty from a wide array of backgrounds
 - d. Curriculum is set by faculty committee
 - e. Affiliations: NCSE, Net Impact RSO
 - f. Initiatives: build enrollment, marketing, connecting with college advisors, capstone project database, strengthening faculty network
 - g. Long-term challenges: Do more with less, scheduling issues (offer both Fall and Spring entry classes), revisiting curriculum "institutionalizing" its offering, create presence with Alumni
6. Bike share overview from Dane Eifling, UA + City Bike/Ped Coordinator
 - a. Launch event is at 11AM Wednesday between Vol Walker and Old Main
7. Overview of campus biodiversity initiatives from Jan Partain, OFS Biodiversity Coordinator
 - a. Slides attached.
8. Summary of updated diversion numbers and campus zero waste goals
 - a. Slides attached.
9. The next UASC meeting will be November 13th
 - a. Davis Hall
 - b. 3PM
10. Good-of-the-Order
11. Adjourn



Sustainability Curriculum

Presentation to UA Sustainability Council Fall 2018

David Hyatt — Coordinator of academic sustainability

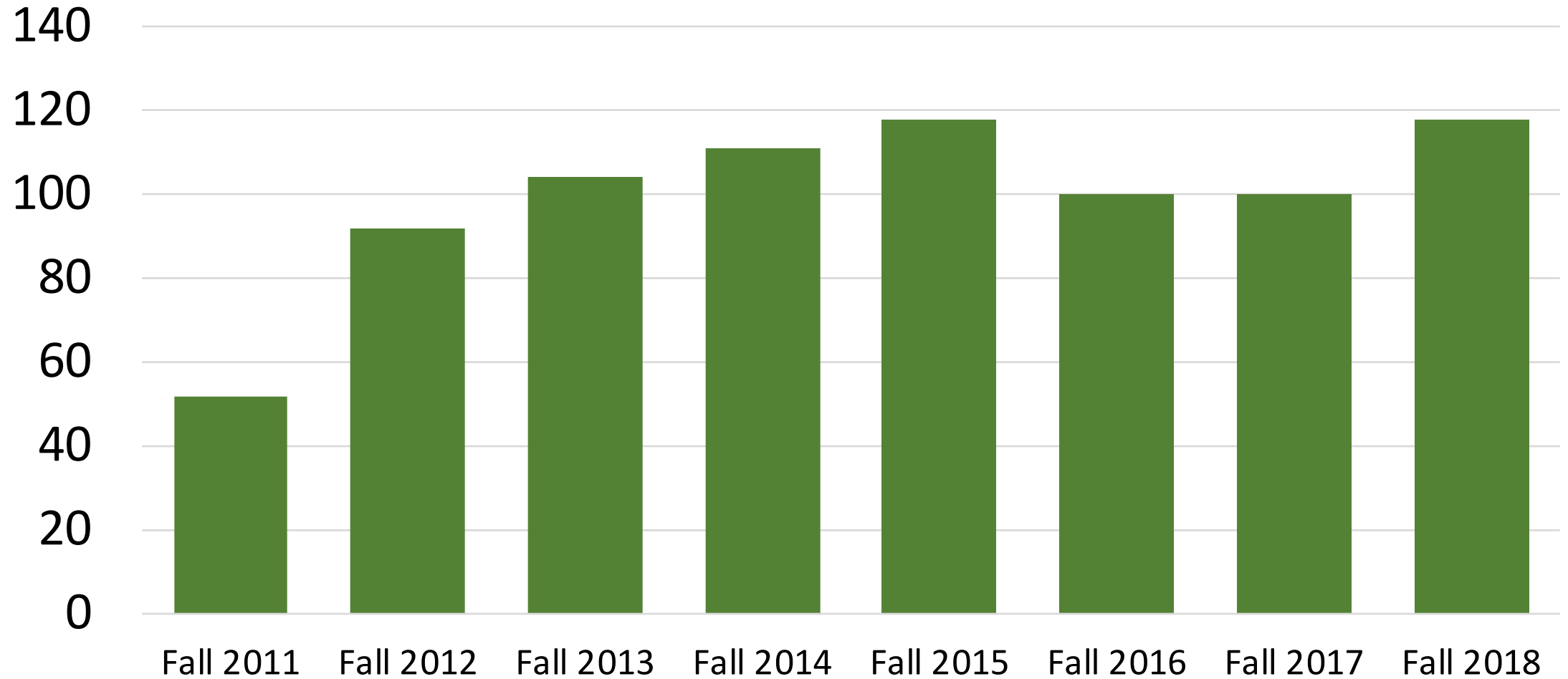
SUST Programs & structures

- Sustainability minor
 - 18 hours – 3 SUST classes and 3 from an extensive list of electives
 - SUST 1103 Introduction to sustainability
 - SUST 2103 Applications of sustainability
 - SUST 4103 Sustainability capstone
- Graduate certificate in sustainability
 - 15 hours – 1 WCOB class and 4 from a list of electives
 - WCOB 5023 Business in Sustainability

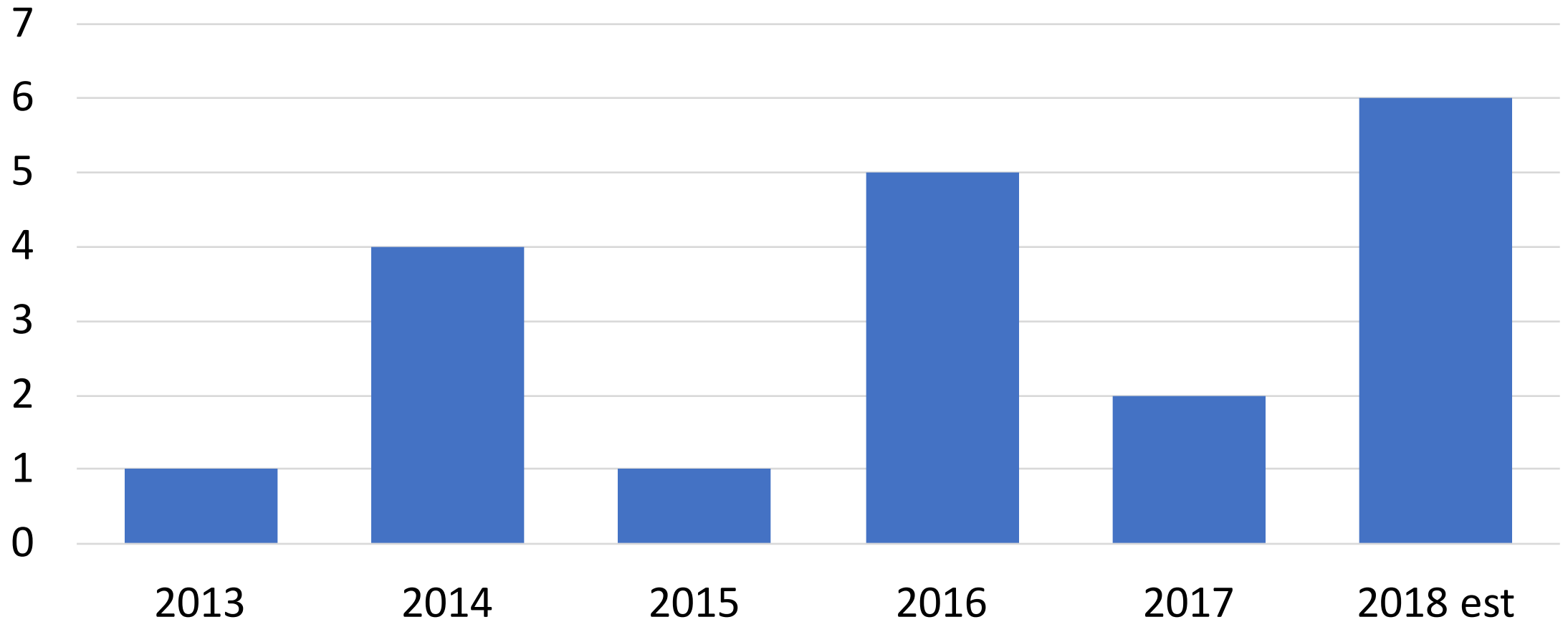
Governance and Teaching Structure

- Multidisciplinary curriculum advisory committee approves courses for inclusion in the programs and provides overall guidance and assistance
- As of Fall 2018, the academic programs reside in the Fay Jones School of Architecture and Design
- SUST 1103 and 2103 are managed by one professor but are co-taught with faculty from multiple disciplines
 - Spring 2018 – Philosophy, bioengineering, sociology, business, landscape architecture, apparel merchandising

Minor enrollment



Graduate certificates conferred

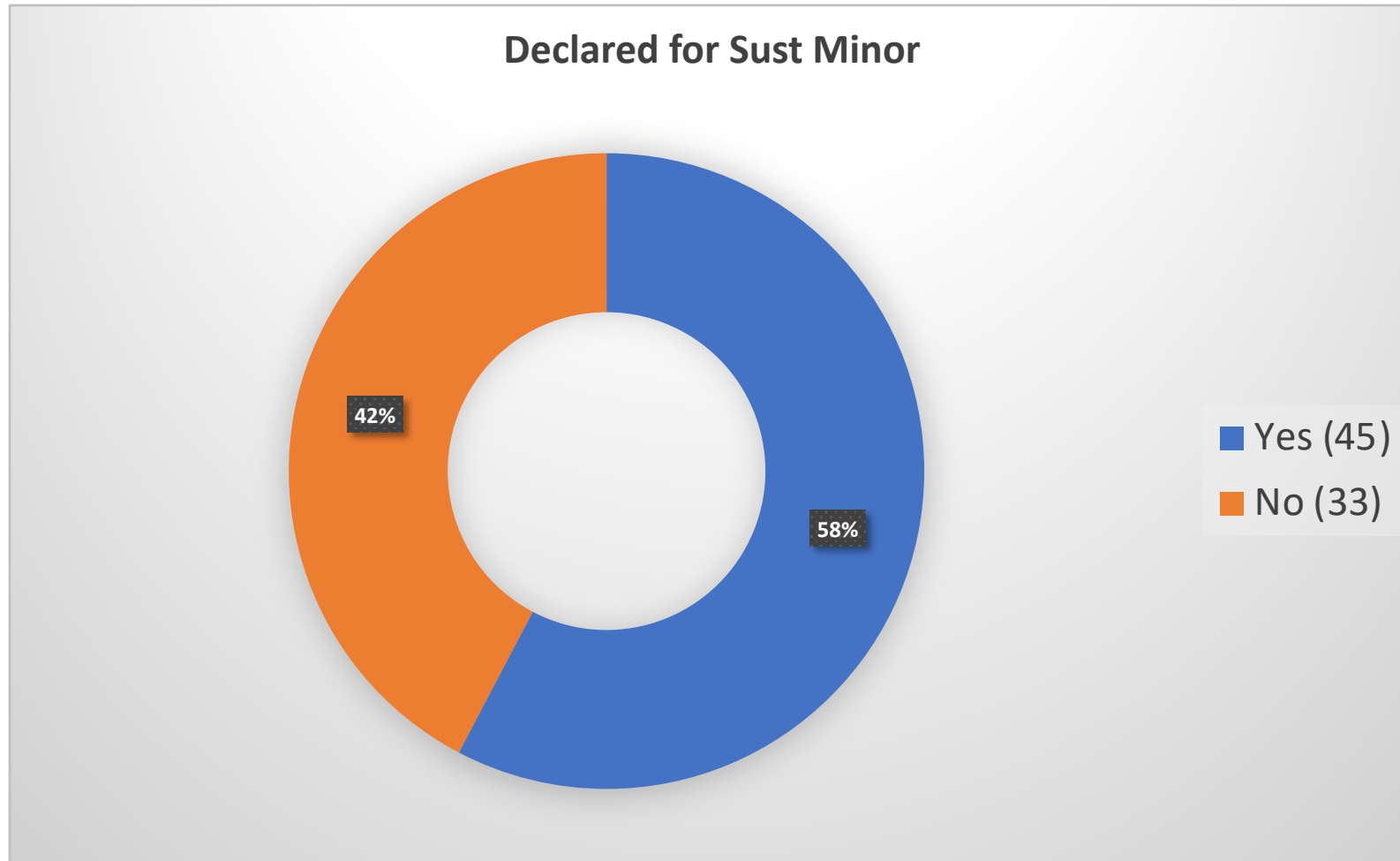


SUST course enrollment

	SUST 1103	SUST 1103H	SUST 2103	SUST 2103H	SUST 390V	SUST 4103
2012	152		117			21
2013	157		83			19
2014	179		95	6	6	22
2015	219	5	74		6	45
2016	182	8	64		6	44
2017	103	14	61		5	36
2018	118		63		16	27

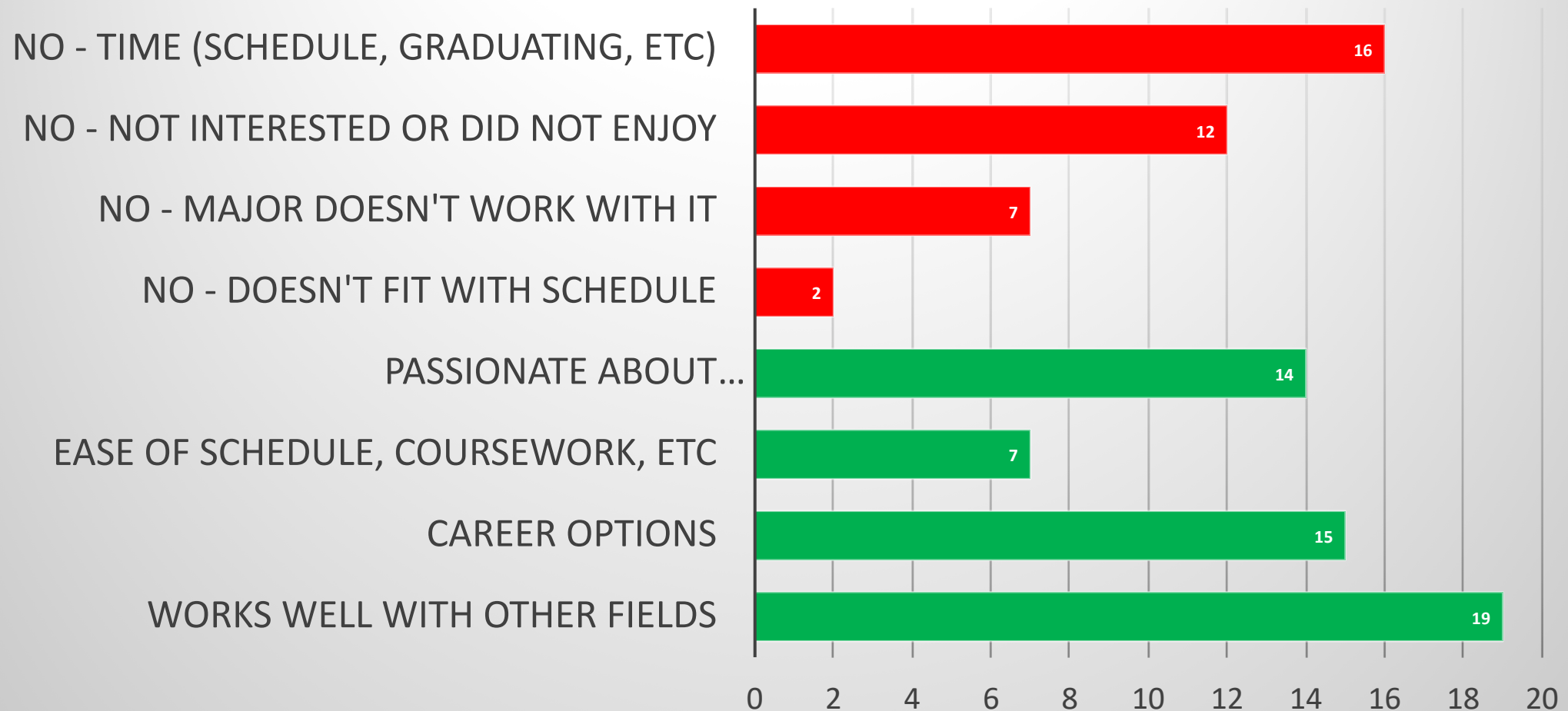
Based on the capstone enrollment, estimate we are graduating about 40-45 students per year.

SUST 1103 Survey



SUST 1103 Survey

Reason behind Sustainability Minor Declaration



Affiliations

- National Council for Science and the Environment – Non-profit organization that works with scientists, educators, policymakers, business leaders, and officials at all level of government to inform environmental policy and decision-making with the use of science.
 - Hyatt currently on its Council of Environmental Deans and Directors (CEDD) working to define the core competences for sustainability curriculum
- Net Impact – RSO and international association aiming to build a network for students and professionals seeking to create social or environmental value in their life and work-life.
 - Local professional chapter is very supportive
 - Hyatt is NI faculty advisor

Current initiatives (Fall)

- Recruiting and growing enrollment
 - Aiming for 25% continuous growth for several years
 - Brochures and collecting student feedback
 - Connecting with advisors in the colleges
- Creating “newswires” on all past capstone projects
 - Resource for students
 - With Honor’s College, will post on Plant Forward web
- Documenting processes and procedures
- Building faculty network, re-engaging the curriculum committee
- Revisiting the capstone
- (Planning spring classes)

Longer term challenges

- Doing more with less
- Offering honors sections again (note that 23 of the 63 students in SUST 2103 in Fall 2018 are honors students)
- Offering core classes each semester (or at least SUST 1103). Current scheduling is problematic for students
 - May require a different teaching approach
- Revisiting the curriculum
 - “institutionalizing” its offering
- Creating a presence with alums
- Courses for graduate certificate, especially online.
- Potentially, additional SUST classes for the minor.

Sustainability Curriculum Committee members

Last Name	First Name	Title	Discipline
Moon	Zola Knowles	Clinical Associate Professor	Sociology
Nalley	Lawton Lanier	Professor	Agri-economics
Runkle	Benjamin R.	Assistant Professor	Agri-engineering
Allen	Myria	Professor	Communication
Douglas	Marlis R.	Professor	Biological Sciences
Rom	Curt R.	Associate Dean for Intl. Education	Horticulture
Smith	Carl Alan	Associate Professor	Landscape Architecture
Johnson	Jon	Professor	Business (strategy)
Matlock	Marty D.	Director of UA Resiliancy Center	Agri-engineering
Gosman	Sara	Associate Professor	Law
Hyatt	David	Research Associate Professor	Business (supply chain)
Herold	Warren	Assistant Professor	Philosophy

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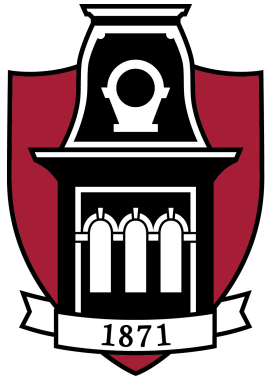
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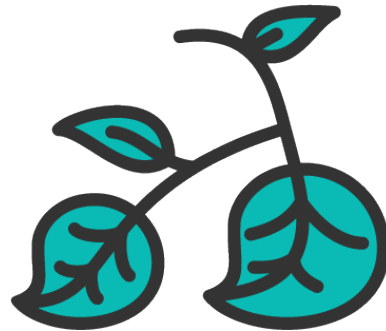
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YOU'RE INVITED TO FAYETTEVILLE'S FIRST EVER

BIKE SHARE LAUNCH



WEDNESDAY SEPTEMBER 19TH AT 11:00 A.M.
AT THE FULBRIGHT PEACE FOUNTAIN
ON THE UNIVERSITY OF ARKANSAS CAMPUS

JOIN US FOR A RIBBON CUTTING AND GROUP RIDE!
PARKING IS AVAILABLE IN THE WEST AVE. PARKING LOT AND WILL BE FREE OF CHARGE UNTIL 2 P.M.



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EXPLORE

FAYETTEVILLE

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Biodiversity
at the
University of Arkansas



Biodiversity

- **Biodiversity defined** – the distribution and abundance of plant and animal species within an ecosystem. This includes all micro flora and fauna within the soil.
- **Biodiversity goals** – to manage the University of Arkansas landscape (land, water & resources) in a sustainable way with emphasis on closely replicating natural ecosystems so far as is possible.

If you build it they will come.....

Monarch Larva on Milkweed



Hummingbird on Milkweed





Existing Projects

Existing Projects

Hillside Auditorium Green Roof



Mullins Creek



Existing Projects

Pollinator Nursery



Pollinator Forage





Summer Projects

2018 Summer Projects

Arbor Day Celebration



Arbor Day Celebration



2018 Summer Projects

Greedy Goats Invasive Species Removal



Volunteer Follow-UP



2018 Summer Projects

Greedy Goat Lunch & Learn



Native Plants & Pollinators Lunch & Learn



2018 Summer Projects

Mullins Library Book Pull



OFS Herb Garden





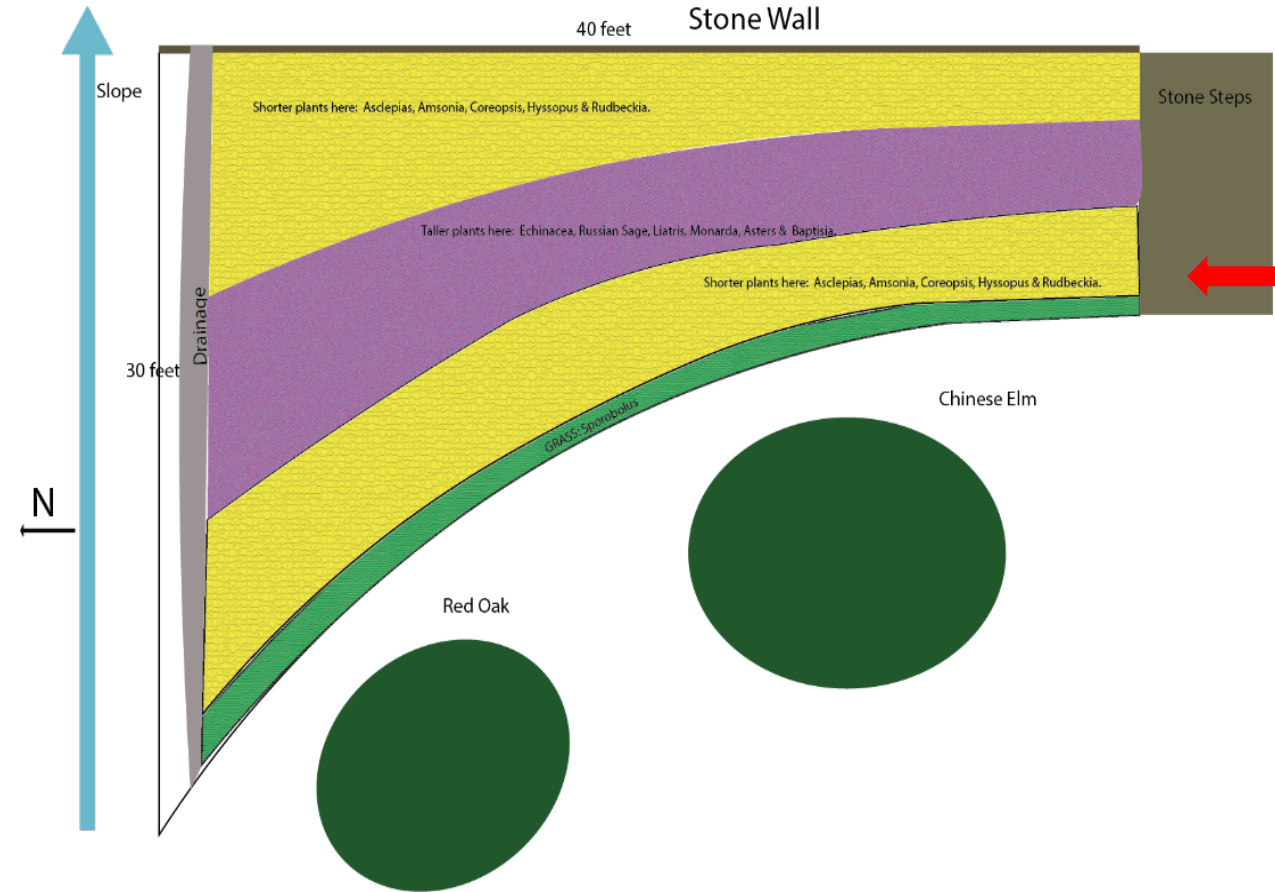
Future Projects

Future Projects

OFS Pollinator Pilot Plot



OFS Pollinator Pilot Plot



Future Projects

Green Roof Enhancement



Green Roof Enhancement



Future Projects

Wildlife Society Bird House Placement

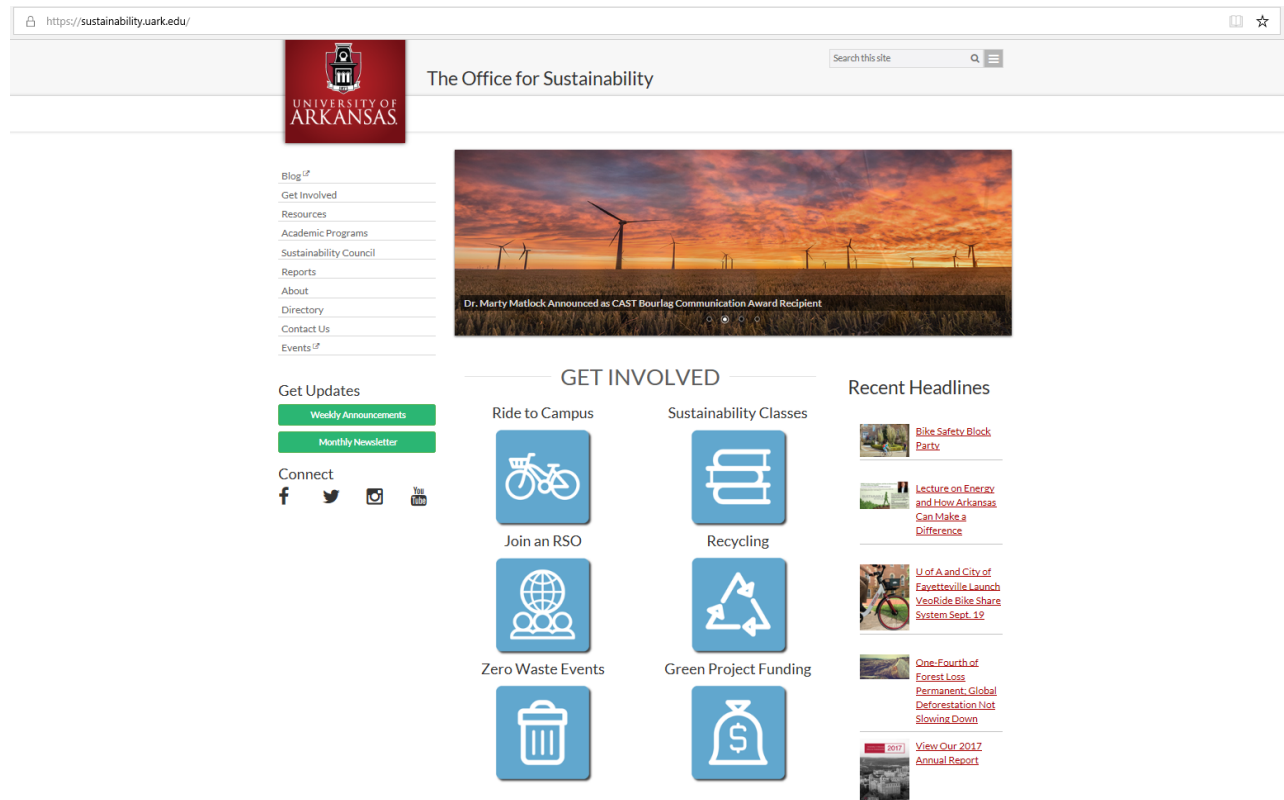


Bee Hotel at the Farm



Future Projects

Biodiversity Website Landing Page



Greek Sustainability Scorecard: biodiversity questions



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Zero-Waste Diversion Goals

September 2018 Update

Zero-Waste Goal

- ▶ **2021: 50%** diversion from landfill
- ▶ **2027: 70%** diversion from landfill
 - ▶ to align with City of Fayetteville's 2027 diversion goal
- ▶ **2040: 90%** diversion from landfill
 - ▶ to align with the U of A carbon neutral goal

Year	Aversion	Diversion	Goals
2018	<ul style="list-style-type: none"> -Partner with City of Fayetteville on “Waste Not. Use Less” campaign - Full implementation of the Greek Life Sustainability scorecard - Promote best practices for procurement 	<ul style="list-style-type: none"> - Residential recycling access on every floor - Twin bins and improve bin labeling - Standardized Waste infrastructure across campus 	34%
2019	<ul style="list-style-type: none"> - Food Recovery in Greek house - Zero-Waste Coordinator Full-Time - Standardize Waste Audit Procedures 	<ul style="list-style-type: none"> -An expanded E-waste structure -Improve waste system management efficiency 	40%

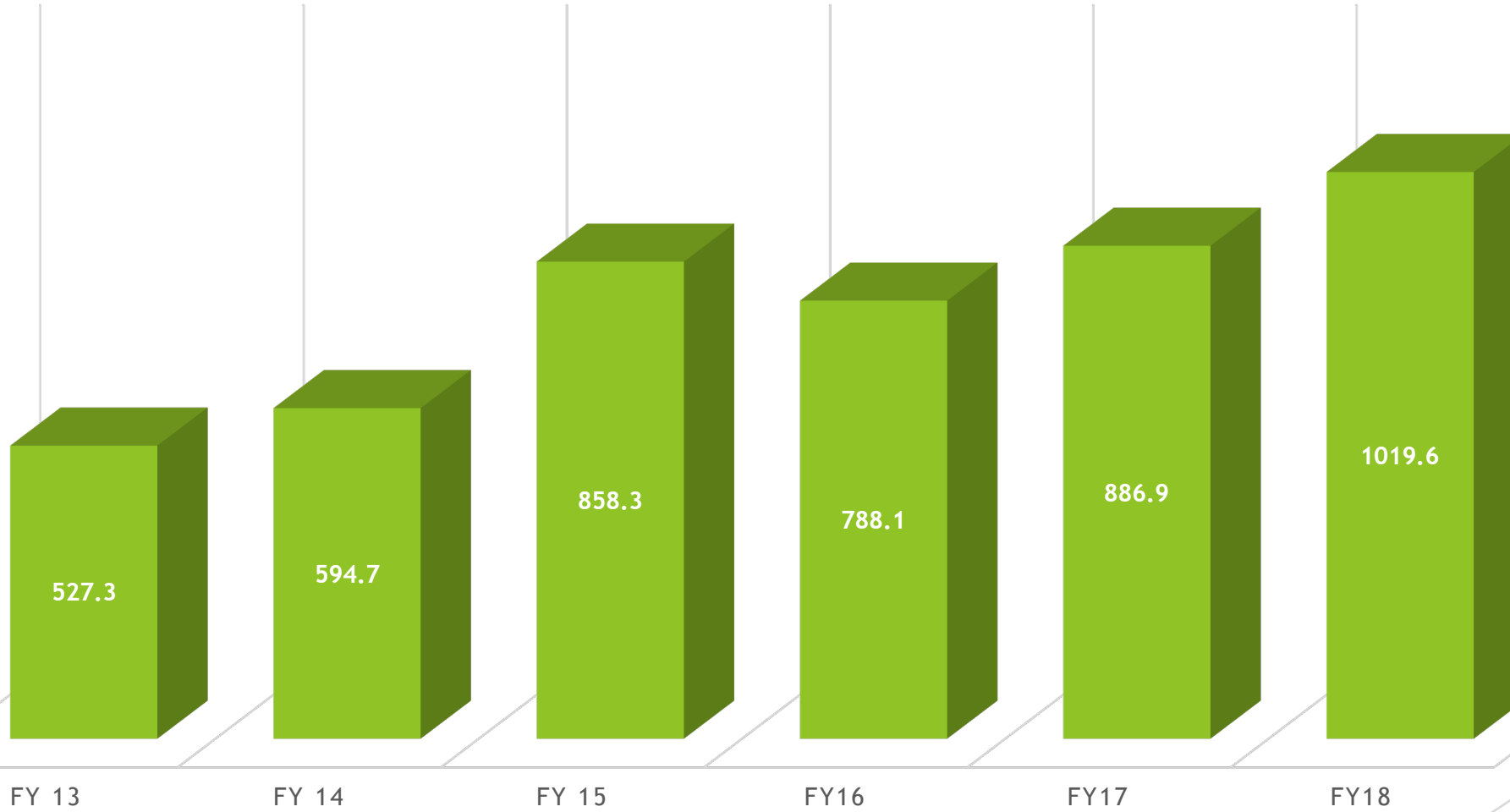
Year	Aversion	Diversion	Goals
2020	<ul style="list-style-type: none"> -Formalize zero waste events into the ASG funding matrix - Full adoption of the Greek Life Sustainability scorecard - Remove non-essential glass from campus 	<ul style="list-style-type: none"> - Expansion of composting beyond the cafeterias - Create appropriate diversion strategies across all campus waste partners - Standardized Waste infrastructure 	45%
2021	<ul style="list-style-type: none"> - Food Recovery in Greek house - Zero-Waste Coordinator Full-Time - Standard Waste Audity Procedures 	<ul style="list-style-type: none"> -An expanded E-waste structure -Change campus standards allowing for a more efficient recycling structure 	50%

Historical Diversion Performance

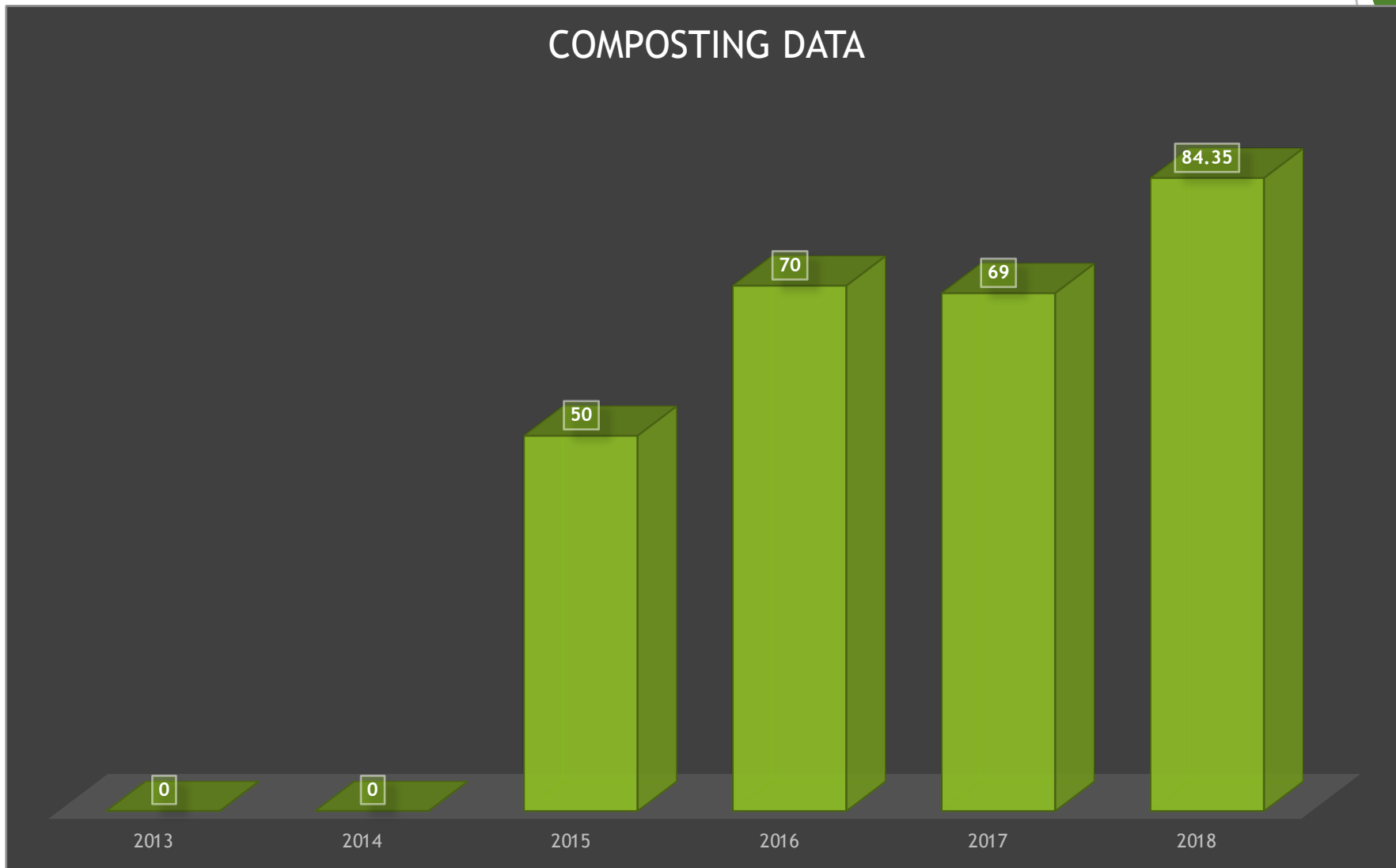
- ▶ FY 2013: 26%
- ▶ FY 2014: 27%
- ▶ FY 2015: 38%
- ▶ FY 2016: 34%
 - ▶ w/o Surplus 30%
- ▶ FY 2017: 37%
 - ▶ w/o Surplus 21%
- ▶ FY 2018: 54%
 - ▶ w/o Surplus: 42%



RECYCLING TOTALS W/SURPLUS

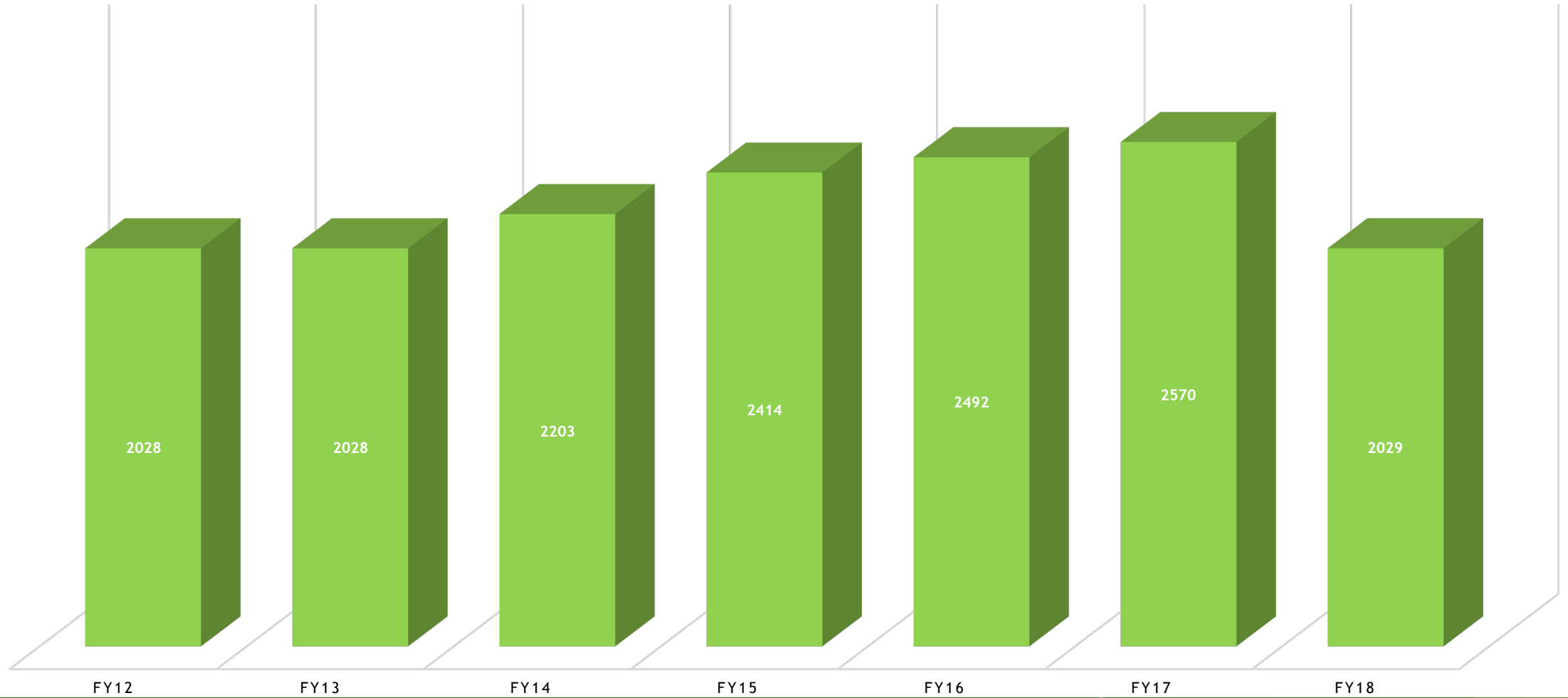


COMPOSTING DATA



Recycling/Compost				
Year	Tons	Lbs.	Lbs. per Person	Compost Tons
2012	527	1,054,680	37	0
2013	595	1,189,300	40	0
2014	858	1,816,500	59	50
2015	788	1,576,114	50	70
2017	887	1,773,708	56	69
2018	1020	2,039,185	69	84

LANDFILL BY YEAR



	Waste		
Year	Tons	Lbs.	Lbs. per Person
2013	2028	4056800	141
2014	2203	4405600	148
2015	2415	4828980	157
2016	2492	4984484	159
2017	2570	5140000	161
2018	2029	4057400	137

Changes in the System

- ▶ 2018 came with a consolidated WM contract
- ▶ Better data collection
- ▶ Diversion goals were adjusted to be more realistic
- ▶ Composting with City of Fayetteville
- ▶ Campus is moving more towards digital documents
- ▶ Efforts from faculty and staff through procurement practices
- ▶ Housing has deployed recycling on every floor of every residence hall

Next Steps

- ▶ **Twin the bins**
- ▶ **Consistent designs (color, holes, labels)**
- ▶ **Expand composting efforts with City of Fayetteville**
- ▶ **Partner with Greeks through the sustainability scorecard**
- ▶ **Increasing data collection (C+D) and triple checking data quality**