Lafayette College STARS Assessment

EGRS 480 - Sustainable Solutions



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Agenda

STARS Background

Methods, Successes, and Shortcomings

Predicted Score

Evaluation and Action Items

Conclusions



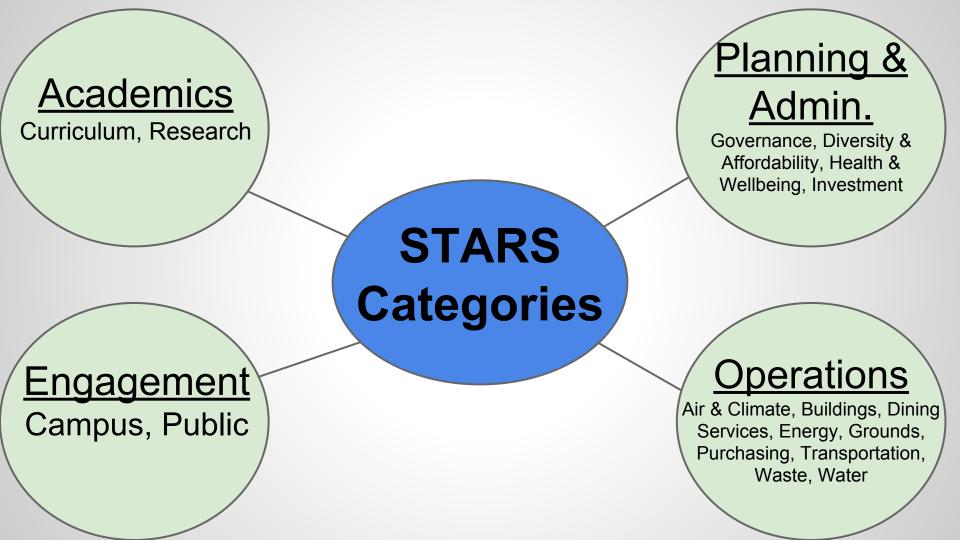
AASHE - STARS



Association for the Advancement of Sustainability in Higher Education

The Sustainability Tracking, Assessment & Rating System



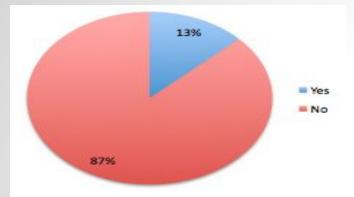


Academics

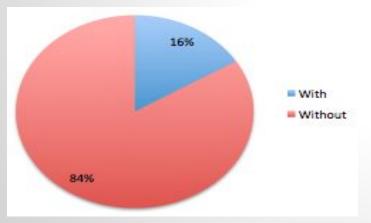
Academics

Credit	Available Points	Expected Points
AC-1: Academic Courses	14.0	7.14
AC-2: Learning Outcomes	8.0	1.83
AC-3: Undergraduate Program	3.0	3.0
AC-4: Graduate Program	0.0	0.0 (NA)
AC-5: Immersive Experience	2.0	2.0
AC-6: Sustainability Literacy Assessment	4.0	2.0
AC-7: Incentives for Developing Courses	2.0	0 (NP)
AC-8: Campus as a Living Laboratory	4.0	4.0

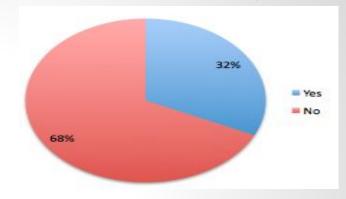
Have you taught a class since Fall 2012 that is sustainability focused?



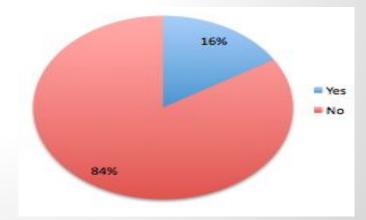
Departments with Sustainability Learning Outcomes



Have you taught a class since Fall 2012 that includes sustainability?



Have you conducted sustainability research since Fall 2012?



Academics

Credit	Available Points	Expected Points
AC-9: Academic Research	12.0	8.59
AC-10: Support for Research	4.0	2.0
AC-11: Access to Research	2.0	0.0 (NP)
Total	55.0	30.56

Academics Predicted Score			
Category	Points Available	Points Expected	Percentage
Academics	55	30.56	56%

Engagement

INIO

SBP

Engagement

Available Points	Expected Points
4	3.8
2	2
2	2
2	2
4	4
3	0
1	1
2	0
	4 2 2 2 2 4

Engagement

Credit	Available Points	Expected Points
EN-9: Community Partnership	3	3
EN-10: Inter-Campus Collaboration	2	2
EN-11: Continuing Education	5	0
EN-12:Community Services	5	1.54
EN-13: Community Stakeholder Engagement	2	2
EN-14:Participation in Public Policy	2	0
EN-15: Trademark Licensing	2	0
EN-16: Hospital Network	0	0
Total	41	23.34

Engagement Predicted Score			
Category	Points Available	Points Expected	Percentage
Engagement	41	23.34	57%

Credit	Available Points	Expected Points
OP-1: Greenhouse Gas Emissions	10	5.02
OP-2: Outdoor Air Quality	1	0 (NP)
OP-3: Building Operations and Maintenance	4	0 (NP)
OP-4: Building Design and Construction	3	1.27
OP-5: Indoor Air Quality	1	0 (NP)
OP-6: Food and Beverage Purchasing	4	1
OP-7: Low Impact Dining	3	2.07

Credit	Available Points	Expected Points
OP-8: Building Energy Consumption	6	3.25
OP-9: Clean and Renewable Energy	4	0 (NP)
OP-10: Landscape Management	2	0 (NP)
OP-11: Biodiversity	1	0 (NP)
OP-12: Electronics Purchasing	1	0.74
OP-13: Cleaning Products Purchasing	1	0 (NP)
OP-14: Office Paper Purchasing*	1	0 (NP)

Credit	Available Points	Expected Points
OP-15: Inclusive and Local Purchasing	1	0 (NP)
OP-16: Life Cycle Cost Analysis	1	0 (NP)
OP-17: Guidelines for Business Partners	1	0.5
OP-18: Campus Fleet	1	0.02
OP-19: Student Commute Modal Split	2	1.93
OP-20: Employee Commute Modal Split	2	0.77
OP-21: Support for Sustainable Transport	2	0.5

Credit	Available Points	Expected Points
OP-22: Waste Minimization	5	0.83
OP-23: Waste Diversion	3	0.26
OP-24: Construction Waste Diversion	1	0 (NP)
OP-25: Hazardous Waste Management	1	1
OP-26: Water Use	6	0
OP-27: Rainwater Management	2	0 (NP)
OP-28: Wastewater Management	1	0 (NP)
Total	69	19.16

Operations Predicted Score			
Category	Points Available	Points Expected	Percentage
Operations	69	19.16	27.8%

Planning & Administration



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Planning & Administration Successes and Shortcomings

Credit	Available Points	Expected Points
PA 1: Sustainability Coordination	1	1
PA 2: Sustainability Planning	4	3.5
PA 3: Governance	3	2
PA 4: Diversity and Equity Coordination	2	1.25
PA 5: Assessing Diversity and Equity	1	0.75
PA 6: Support for Underrepresented Groups	2	2
PA 7: Support for Future Faculty Diversity	1	1
PA 8: Affordability and Access	4	3.65

Planning & Administration Successes and Shortcomings

Credit	Available Points	Expected Points		
PA 9: Employee Compensation	3	2.75		
PA 10: Assessing Employee Satisfaction	1	0.63		
PA 11: Wellness Program	1	1		
PA 12: Workplace Health and Safety	2	0.23		
PA 13: Committee on Investor Responsibility	2	0		
PA 14: Sustainable Investment	4	0		
PA 15: Investment Disclosure	1	1		
Total	32	20.76		

Planning & Administration Predicted Score

Category	Points Available	Points Expected	Percentage
Planning & Administration	32	20.76	65%

Predicted Rating



Predicted Rating

Category	Points Available	Points Expected	Percentage
Academics	55	30.56	55.6%
Engagement	41	23.34	56.9%
Operations	69	19.16	27.8%
Planning & Admin.	32	20.76	64.9%
Total	197	93.82	47.6%

Bronze	Silver	Gold	Platinum
25-44%	45-64%	65-84%	85-100%

Evaluation and Action Items

Action	Economic Feasibility*	Administrative Feasibility	Social Feasibility	Climate Action Plan Progress	Campus Master Plan Progress	Educational Opportunity	Campus Life Experience	STARS Points Opportunity
High	Effectively no cost	Little resistance, available staff and resources	Existing momentum, high interest level, and campus unity (or no behavior change necessary)	Mentioned, Significant Benefit	Mentioned, Significant Benefit	Increased opportunity for active, large scale learning about sustainability	Improves well- being of students, faculty, employees	Points Available
Medium	Minor impact	Some resistance, available staff or resources	Either some momentum or little to no required behavior change	Mentioned, marginal/no benefit	Mentioned, marginal/no benefit	Passive, small scale learning	Marginal or ambiguous benefits	Points Available
Low	Major impact	Strong resistance, no available staff or resources	No momentum or active resistance to change	Not mentioned or not related	Not mentioned or not related	None	No or adverse well-being impacts	Points Available

*According to one of the following metrics: payback period, % price increase, funding availability, salary

Evaluation and Action Items

Action items	Credit	STARS Points Opportunity	Economic Feesibility	Administrative Feasibility	Social Feasibility	Climate Adion Plan Effect	Campus Master Plan Effect	Educational Opportunity	Campus Lite Experience	Total Rating	Action items	Credit	STARS Points Opportunity	Economic Feesibility	Administrative Feesibility	Social Feasibility	Climate Action Plan Effect	Campus Master Plan Effect	Educational Opportunity	Campus Lite Experience	Total Rating
GHG Offset Program	OP1	4.98	2	1	2	2	2	1	1	11	Focus on investing with companies that	PA14	4.00	1	2	2	3	1	2	2	13
Outdoor Air Quality Improvement Policy and Inventory	OP2	1.00	2	2	2	1	1	1	1	10	brus on sustainable practices Make sure Lafayette's business partners					-		-			
Operate buildings LEED O&M equivalent	OP3	4.00	2	2	2	3	2	2	3	16	bliow minimum environmental standards	PA9 + OP	275	2	1	2		1	4	2	10
LEED Silver Rating for New Construction	OP4	207	1	3	2	3	з	2	3	17	and give their work as similar comparisation packages to Lafayette's	36									
Indoor Air Quality Program	OP5	1.00	3	2	2	1	2	1	2	13	Develop a committee on investor										
horease percentage of boxi and beverage purchases from local, community-based, or third party verified sources	OP6	3.00	з	з	3	з	1	1	3	17	responsibility with multi-stakeholder representation More fequent assessments of the	PA13 PA10	200	1	1	2	2	1	2	2	11
Decrease percentage of box purchases that are considered conventionally produced animal products	OP7	0.93	3	3	2	3	1	2	2	16	campus sustainable well-being for students, faculty, and staff Alm to not only reduce the number of	Sector A	Table Concerns			-	3			2	16
Continue to improve individual building energy efficiency in accordance with CAP	OPS	3.39	3	3	2	3	3	٩.	1	16	workplace injuries from the prior year, reduce to 5 or below	PA12	1.00	*	3	3	1	1	1	3	14
Develop clean/renewable energy sources	OP9	4.00	2	1	2	1	3	2	1	12	Oresteney sustainability course of erings by setting up a system to incentive	AC 1(4.8)	10000	1000	1000	100	12	12	22	100	1
Implement an Integrated Pest Management (IPM) Plan	OP 10	200	3	2	2	.1	3	1	2	14	professors to incorporate sustainability into their curriculums (Grants)	+ AC7 (2)	6.80	2	2	3	3	1	3	2	16
Endangered and vulnerable species assessment	OP 11	200	3	3	2	1	2	2	1	14	Increase research opportunities thoused on sustainability for students	(x ()	0.00	2	1	3	3	1	2	1	13
Bectorics purchasing policy, Cleaning											Open access policy for research	AC11	200	1	2	2	1	1	2	2	11
products purchasing policy, and Office paper purchasing policy	OP 12	3.00	3	2	2	1	1	1	1	11	Ofe sustainability related orientation activities	EN 2	0.00	з	1	3	2	1	3	3	16
policy	OP 15 + 16	200	2	1	2	1	1	1	2	10	Design a First Year Experience around the theme of sustainability	EN 3	0.00	3	3	3	3	1	3	2	18
Hy brid car replacement for the Lalay etc. Field	OP 18	1.00	2	2	2	3	1	1	3	14	Create a guide for sustainable living in residence halls	EN 4	0.00	3	3	3	.1	1	2	2	15
incertivize sustainable commuting	OP 20	200	2	1	3	2	1	1	3	13	Create building signage that highlights	EN4	0.00	1000	1000	2	14		2	2	10
Install at least one Level 2 or Level 3 electrive vehicle recharing station on campus	OP 21	0.25	3	3	2	з	1	1	2	15	green features like that of Grossman Offer more staff professional development	EN4 EN 6+EN 8	500	2	2	1	1	1	3	2	10
Offer telecommuting and contensed work week options for employees whose jobs as controls to such options.	OP 21	0.25	3	2	2	1	1	2	2	13	opportunities throughout the year More formal patherships with the local	EN 9	1.00	2	2	3	2	2	2	3	16
are concludive to such options incertivize bicycling on campus with infastructure improvements	OP 21	0.25	2	3	з	1	2	1	з	15	community (Nurture Nature Center?) Bhgagement in public policy advocating for sustainability	EN14	200	2	1	2	1	1	1	1	9
	0P 22 + 23 + 24	8.50	2	2	2	2	1	1	2	12	Make Lafay ette a member of the Fair Lator Association and the Worker Rights	EN 15	200	2	1	2	1	1	1	1	9
implement a campus wide policy for sharing/management of chemicals	OP 25	1.00	3	2	2	4	1	1	1	11	Consortum Sustairability Planning	PA2	1.50	3		3		3		2	18
Implement programs to reduce water usage	OP 25	6.00	3	2	2	3	1	2	2	15	Tarsparency/Progress Reports Staf Participation in Governance	PA3	1.00	3	-	2		-		-	10
implement a campus wide policy to											horeased low-income scholarship	PAS	1.00	1	2	2	4	1		3	13
collect and utilize rainwater that includes Low impact Development	OP 27	200	1	1	2	1	2	2	1	10	Hreafultime sustainability officer	-	0	2	2	3	4	1	3	2	14
Create a natural wastewater system like a small welland to manage wastewater	OP 25	1.00	1	2	2	1	2	2	2	12											

Create New Sustainability Course Offerings

Offer More Sustainability Courses: 6.8 points
 Set Up an Incentive Program: 2 points

STARS Points	Economic	Administrative	Social	Climate Action Plan	Campus Master	Educational	Campus Life
Opportunity	Feasibility	Feasibility	Feasibility	Effect	Plan Effect	Opportunity	Experience
6.8	2	2	3	3	1	3	2

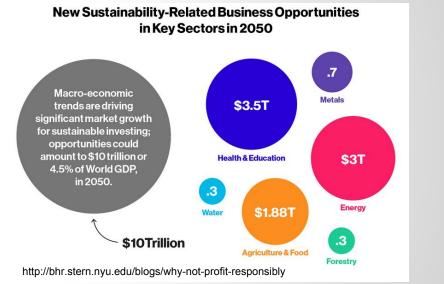
Create More Staff and Faculty Professional Development Opportunities

- Offer a Peer to Peer Staff Educators Program: 3 points
- Offer More Staff Professional Development
 Opportunities: 2 points

STARS Points	Economic	Administrative	Social	Climate Action Plan	Campus Master	Educational	Campus Life
Opportunity	Feasibility	Feasibility	Feasibility	Effect	Plan Effect	Opportunity	Experience
5	2	2	1	1	1	3	2

Engage in Investment Strategies with Companies that Follow Sustainable Practices

- Potential: 4 point improvement on AASHE STARS Assessment
- ESG vs. SRI



STARS Points	Economic	Administrative	Social	Climate Action Plan	Campus Master	Educational	Campus Life
Opportunity	Feasibility	Feasibility	Feasibility	Effect	Plan Effect	Opportunity	Experience
5	1	2	2	3	1	2	2

Hire a Sustainability Officer

Centralize

Bring everything together

Coordinate

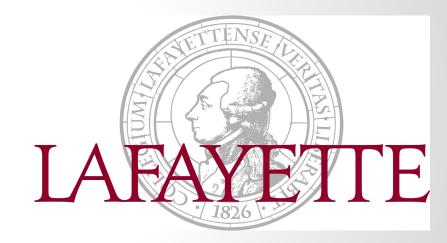
Align goals, plan strategies, execute initiatives Communicate

Serve as the hub of all sustainable information

STARS Points	Economic	Administrative	Social	Climate Action Plan	Campus Master	Educational	Campus Life
Opportunity	Feasibility	Feasibility	Feasibility	Effect	Plan Effect	Opportunity	Experience
0*	2	2	3	1	1	3	2

Conclusions





Thank you for your support!