KSU Seaton Complex Revitalization and Expansion Building Survey

Summary of Survey Results & Comments

7 March 2014

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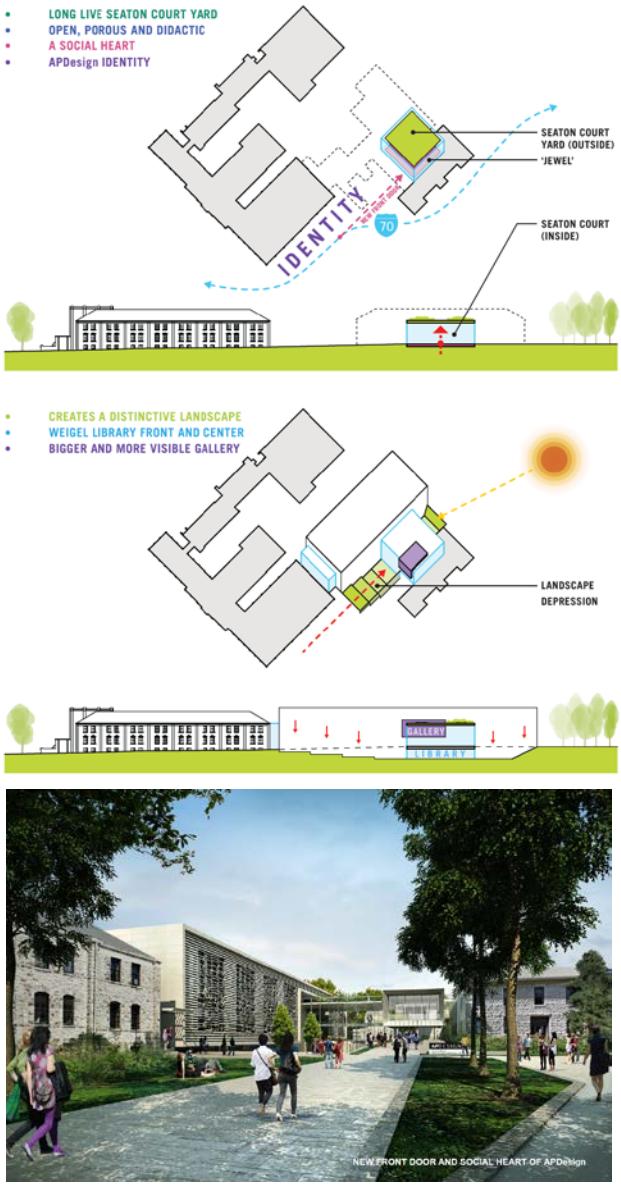

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Broad Survey Synopsis (based on a quick review of all substantive comments):

1) **A majority of alumni indicated they would support obtaining some type of certification especially if certification does not distract us from creating an excellent (sustainable, regenerative, healthy, and highly usable) building—and does not waste time and money.**
2) **Many alumni who shared comments indicated concerns about LEED certification procedures detracting from the process of creating two excellent buildings. On the other hand, many alumni indicated that creating a high quality building and obtaining certification could go hand-in-hand—with certification being important for the College in regards to leadership and visibility.**
3) **Concerns about LEED were expressed by many alumni and a number of faculty/staff regardless of whether or not they indicated that they supported some type of certification. Only a few students expressed reservations about LEED. Irrespective of certification preferences, being a sustainability leader in the region, nation, and planning/design disciplines, was a common theme. So too was the idea of creating two very high quality buildings—supported by spatial and functional designs that create great places to learn, teach, research, and share.**
4) **The desire for an outstanding teaching-and-research laboratory (indoors and outdoors) that is healthy, energy efficient, regenerative, environmentally sustainable in the full sense of the word—and that fits with its historical, academic, and bio-regional context—is very strong. Alumni, faculty/staff, and students are all supportive of creating the best possible building (including leading the way in regards to conserving energy and water, preserving historic features, and addressing sustainability values associated with people, place, and economy).**

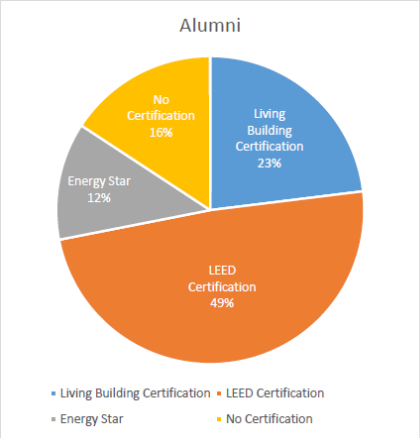
Major Take-Home Messages and Issues to Consider (Interpreting the Survey Comments):

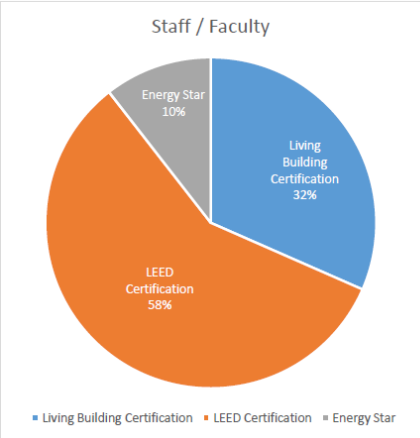
1. **There is very strong support for certification as long as it does not distract us from creating a superb, highly-sustainable building that is efficient and works well for our long-term education purposes.** Registering for LEED* soon could be a very important cost-saving strategy as this will allow us to utilize the current LEED system 2009 (v3.0), rather than be subject to the newer (v4.0) version that is forthcoming. Registration of a project costs a maximum of $1250. The fee structure for LEED certification is quite low relative to the overall cost of the building (per: http://www.usgbc.org/cert-guide/fees#bdc and we would likely pay a maximum of $30,000—which is less than 1/100th of a percentage point of our budget).
2. **Department advisory boards can help find funding to cover the costs of the certification process.**
3. **There is a strong sense that the buildings and the design process should both be learning laboratories.**
4. **Sustainable Sites is supported by faculty/staff (97%+) with strong support from alumni and students.**
5. **The building, landscape, interior, and the design and implementation processes should provide faculty and students learning and research opportunities.** Faculty-guided student teams could do research and auditing—to assist with certification and evaluate building and landscape performance over time.
6. **As a College we could develop our own building metrics—working closely with the design team.** These metrics must show what is important to our College (i.e., they need to "reflect the values of our community") and reveal how they will be measured in regards to building performance over time.
7. **Push carbon-neutral, net-zero energy, and lead in regards to "the 2030 Challenge" as far as we can.**
8. **The design process is key: actively engage faculty/staff and students in the early design process.** Besides the value of gaining meaningful input and buy-in, there is great potential (from publicity and fundraising perspectives) in discussing how the process embraced a pro-active, collaborative process.
9. **Establishing review periods after each major stage of design (by all interested parties) is important, thus providing critical reviews, helpful insights to reduce back-tracking later on, transparency, terrific collaborative design, and high-value "design process marketing" opportunities.**

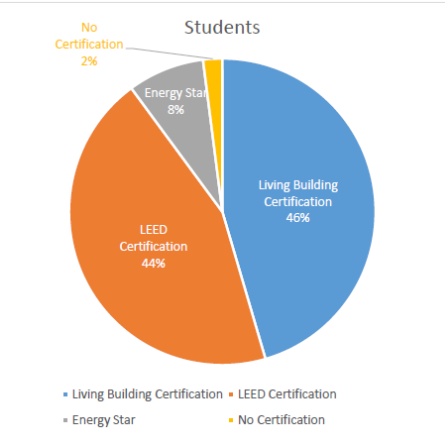
* While LEED "Gold" or "Platinum" are not the most stringent metrics of sustainability, and we could certainly set higher goals than LEED "Silver" or "Gold" standards require, using LEED during the design and implementation process does a few things for us. Despite its limitations, LEED remains a highly-recognized brand. Following LEED certification procedures requires a great deal of oversight of the design and construction process and would likely result in a higher quality building overall. Additionally, LEED certification looks at the early occupation phase, which can be to our benefit in terms of contractual obligations from our builder. Finally, LEED does not preclude any other higher-level sustainability standard, should that be the will of the client and stakeholders.

APDesign Building Certification Survey – Summary Statistics from Selected Questions

New Building Certification (respondents selected one of four options)







Q: "Please select from the following the **MINIMUM level of sustainable/stewardship certification** that you think the new Seaton Hall expansion (new APDesign building) should achieve (check only one of the four options): 1) Living Building Challenge…, 2) LEED Certification…, 3) Energy Star (or similar certification for all building appliances and the HVAC system), or 4) None."

636 of 755 alumni respondents: we should do something in regards to certifying the new bldg.

1) Living Building – (174) 23.05%
2) LEED – (369) 48.87%
3) Energy Star – (93) 12.32%
4) None – (119) 15.76%

All 38 faculty/staff respondents: we should do something in regards to certifying the new bldg.

1) Living Building – (12) 31.58%
2) LEED – (22) 57.89%
3) Energy Star – (4) 10.53%
4) None – (0) 0%

195 of 199 student respondents: we should do something* in regards to certifying the new bldg.

1) Living Building – (90) 45.45%
2) LEED – (88) 44.44%
3) Energy Star – (16) 8.08%
4) None – (4) 2.02%

Q: Rate the importance of obtaining some type of sustainable/stewardship/energy-conservation certification for the new APDesign building.

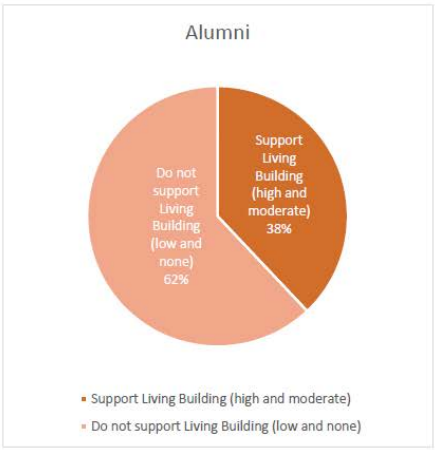
597 of 758 (78.56%) alumni respondents said certification of the new bldg. is of moderate or high importance

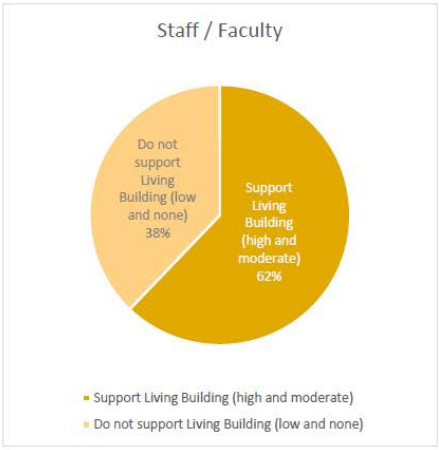
36 of 38 (94.74%) faculty/staff respondents said certification of the new bldg. is of moderate or high importance

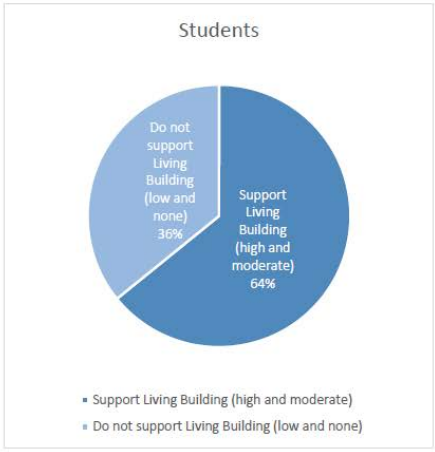
190 of 199 (95.48%) student respondents said certification of the new bldg. is of moderate or high importance

APDesign Building Certification Survey – Summary Statistics from Selected Questions

Living Building Certification (level of support)





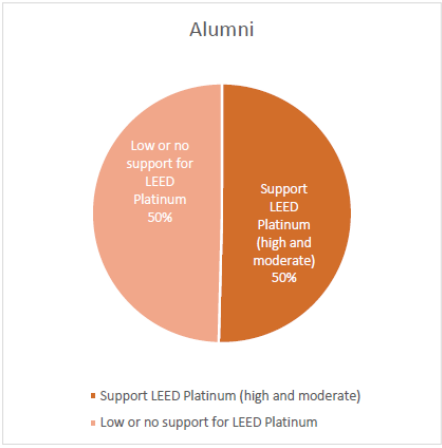


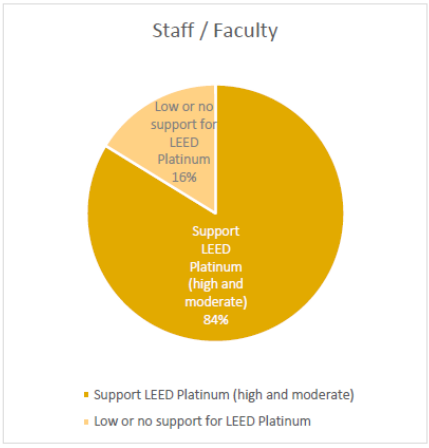
284 of 748 alumni respondents: aiming for Living Building status is of moderate or high importance
High – (145) 19.39%; Moderate – (139) 18.58%
Low – (184) 24.6%; No Importance – (280) 37.43%

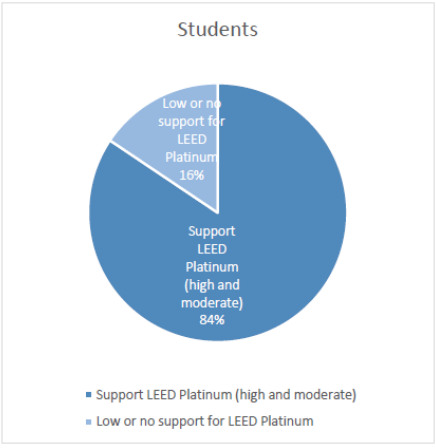
23 of 37 faculty/staff respondents: aiming for Living Building status is of moderate or high importance
High – (11) 29.73%; Moderate – (12) 32.43%
Low – (10) 27.03%; No Importance – (4) 10.81%

127 of 198 student respondents: aiming for Living Building status is of moderate or high importance
High – (76) 38.38%; Moderate – (51) 25.76%
Low – (53) 26.77%; No Importance – (18) 9.09%

LEED Platinum Certification (level of support)







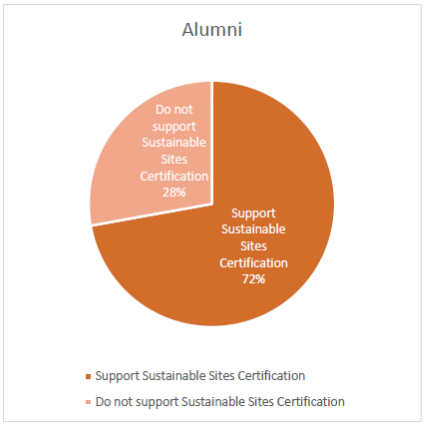
378 of 750 alumni respondents: aiming for LEED Platinum status is of moderate or high importance
High – (187) 24.93%; Moderate – (191) 25.47%
Low – (171) 22.8%; No Importance – (201) 26.8%

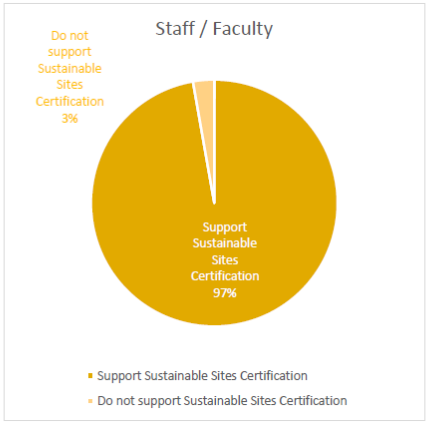
31 of 37 faculty/staff respondents: aiming for LEED Platinum status is of moderate or high importance
High – (21) 56.76%; Moderate – (10) 27.03%
Low – (6) 16.22%; No Importance – (0) 0%

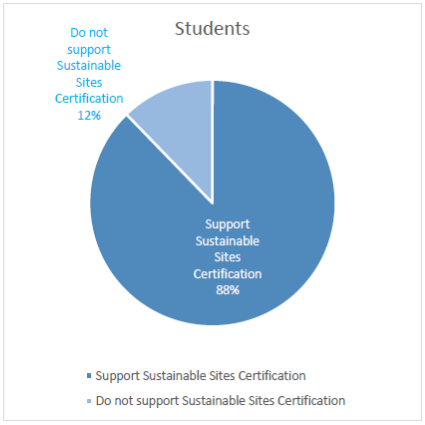
168 of 199 student respondents: aiming for LEED Platinum status is of moderate or high importance
High – (94) 47.24%; Moderate – (74) 37.19%
Low – (23) 11.56%; No Importance – (8) 4.02%

APDesign Building Certification Survey – Summary Statistics from Selected Questions

Sustainable Sites Certification (yes or no)





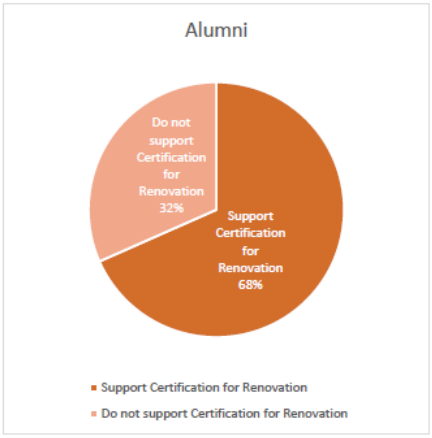


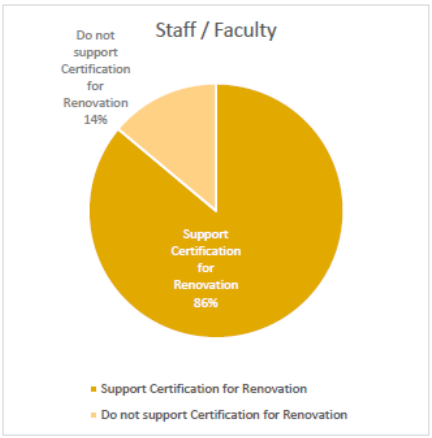
539 of 747 (72.16%) alumni respondents said "seek Sustainable Sites status for the new building."

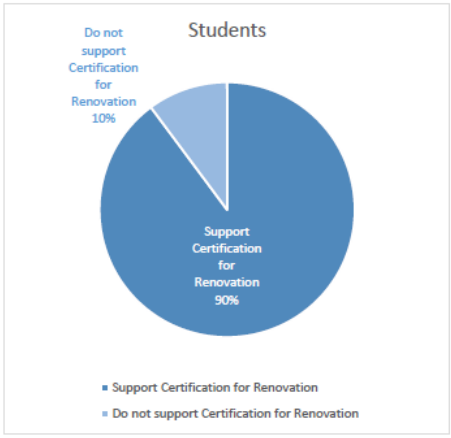
35 of 36 (97.22%) faculty/staff respondents said "seek Sustainable Sites status for the new building."

172 of 196 (87.76%) student respondents said "seek Sustainable Sites status for the new building."

Renovated Seaton East-Wing Certification (yes or no)







510 of 746 (68.36%) alumni respondents said "seek some type of certification for the east-wing renovation."

31 of 36 (86.11%) faculty/staff respondents said "seek some type of certification for the east-wing renovation."

177 of 197 (89.85%) student respondents said "seek some type of certification for the east-wing renovation."

Q: Rate the importance of obtaining some type of sustainable/stewardship/energy-conservation certification for the renovated APDesign Seaton Hall East Wing.

543 of 755 (71.92%) alumni respondents said certification for the renovation is of moderate or high importance

30 of 38 (78.95%) faculty/staff respondents said certification for the renovation is of moderate or high importance

183 of 198 (93.85%) student respondents said certification for the renovation is of moderate or high importance

APDesign Building Certification Survey - Comment Themes

STUDENT RESPONSES: PRIMARY THEMES, IDEAS & VALUES

Survey Q 2b – Comments related to those who prefer Living Building Certification for the New Bldg.

Strive for the highest possible certification. Certification is the minimum, go beyond this. Go above LEED standard; use passive heating/cooling strategies, and materials that are environmentally friendly and safe for those constructing and using the bldg.

Go above and beyond base certification requirements…be poster child for others….be a trend setter….be a leader and example… be pioneers… Research certifications of the schools in the top 10 of Design Intelligence and beat those schools.
Lead the charge in building sustainably. Set the standard for sustainable design.

We should practice as we preach and what we know is best; do our best; build creatively, efficiently & beautifully.

Improve the College ranking… use building as a teaching tool… acting as its own teaching device, so we can learn first-hand.

Technology will improve education now and into the future; account for this in the building design/implementation.

Substance is more important than certification. Make the building functional ecologically, physically, etc…
Design for quality of life, student experience, the human scale, ecological preservation, international significance…

This building is going to be the face of CAPD for decades. An incredibly sustainable building built today will look like an energy hog in 20 years in comparison to future standards. Updating and ongoing maintenance should be well thought out.

SITES certification is of upmost importance. The 2030 Challenge is important (meet & exceed). Certification is important.

Make sure students & alumni who have spent many years working in studios have a lot of input. Collaborate with engineers…

Survey Q 2b – Comments related to those who prefer LEED Certification for the New Bldg.

The new building should reflect the values of LEED Certification and sustainability. Be on the forefront of sustainability on campus.
Be a model. Set an example. Be a catalyst for change. Reach the highest performance standards possible.

Be a leader in addressing the 2030 Challenge.

Gaining certification will help with the "image" of the college. Showcase our interest in designing/planning sustainably.

Go beyond LEED. Create a facility that educates and inspires planning/design majors.

The college is NOT in a position to pursue the highest LEED ratings, nor would the highest ratings be a financially responsible.

Survey Q 2b – Comments related to those who prefer Energy-Star or No Certification for the New Bldg.

The new facilities should be student-centered.
A building that is healthy and good for the people in the building is necessary; we do not need a plaque.
Be a role model for future generations/students/professionals.

This building should be an example of what the rest of campus should aspire to become.
Historical preservation of the original buildings in so far as it is structurally/aesthetically desirable.
Demonstrate ability to functionally and aesthetically achieve 2030 goals and become a role model in the region

APDesign Building Certification Survey - Comment Themes

FACULTY/STAFF RESPONSES: PRIMARY THEMES, IDEAS & VALUES

Lead the way. Be an example of sustainable practices. The project needs to make a statement about the future of the university and the profession.

Align with the 2030 Challenge as much as possible. Be a leader in energy-efficiency.

Practice what we preach. Aim for the best quality building possible.

Message and process are most important; we should not chase points, rather exemplary building and site systems. Priority is to create an energy-efficient and useful new building.

LEED is a symbol and signifier that we have taken the design process and design project seriously.

Historical character of East Wing is very important. Historic preservation recognition options are possible.

We do not need to obtain LEED PLATINUM or LIVING BUILDING to be relevant. LEED Gold should be very obtainable without compromising greater sustainability and spatial design principles.

Maintenance and management (beyond certification) are very important considerations.

Sustainable Sites ideals and metrics should be a major focus. Like the rest of the building, the landscape needs to provide places to study, teach, meet, gather, research, learn and explore.

Actively involve faculty and students in the process – consider pro-active workshops/discussion groups and charrettes for engagement, especially during all stages of design. Provide sufficient time for faculty and student reviews at each major stage of the design.

Well executed design programs, spaces, and qualities are more important than certification. Determine specific educational needs and goals. Design for ease of operations, maintenance, and flexibility for meeting present and future educational needs for different types of learning/sharing/exploring.

Focus on ongoing performance and measurement through metering of water and energy use, which could inform graduate and faculty research and teaching/learning.

Keep it simple so KSU Facilities can maintain the systems and so that life cycle costs are reasonable.

Track our energy and resource use over time; students and faculty can present these observations as research.

APDesign Building Certification Survey - Comment Themes

ALUMNI RESPONSES: PRIMARY THEMES, IDEAS & VALUES

from those saying we should <u>not</u> seek certification

SET A NEW STANDARD

Be a new standard, beyond certification. Shatter the idea of prescriptive design. Pushing boundaries using sustainable practices, LEED and other types of sustainable design certifications are a waste of money. Push designers towards creative solutions, not easy expensive methods. Design parameters should be discussed specifically instead of wasting time and money on certification processes. University should not pay to endorse a particular brand or company such as LEED.

LEED does not mean you will get an energy efficient building. Focus on producing a design that approaches Net Zero Energy and Net Zero Water use. There is a learning opportunity for your students to understand how difficult a challenge it is to design a building that performs instead of just looking pretty. Be an example of environmental stewardship, not chasing certification. Create a highly functional, energy-efficient, and beautiful building.

SET HIGH TARGETS and PARTICULAR SUSTAINABILITY GOALS

Design for high performance. Set a target for performance and evaluate building performance annually and over time. Students, faculty and staff can be the auditors. Have a group of students complete and submit the certifications so they can see how much paper work is involved and how much money is wasted in the certification process (which could be used towards a more environmentally-friendly design).

Hire an architect that knows how to design LEED elements, incorporate them so the building functions as desired and forget the certificate plaque on the wall. Use the campus building maintenance to monitor proper operation of the building over the years as required.

This is a school that should be teaching energy design. What better lab than the place your work or study. Go with geothermal heat pumps (if feasible) or other energy savings, use passive and active solar, wind, etc. to demonstrate the value of reducing fossil fuels.

Designing towards the LEED Platinum requirements without going for certification saves the College money and time, while helping create a smart and thoughtful building that has minimal impact on the environment.

TARGET FOR 2030

The goal of meeting The 2030 Challenge should be core to the design. Action speaks, not certificates.

TEACH THROUGH PROCESS AND CONTINOUS AUDITING

Teach the process in a studio, as form of engagement. Building and process should be a lab for student education. Design to the standards and have students monitor the performance and saving.

ALTERNATIVE USES FOR CERTIFICATION COSTS

Why not take that 2-8% of the building cost and put it back into a geothermal system or some other 'sustainable' item. Secure grants through energy companies and/or consultants, and donations from product manufacturers towards project-specific goals. Actual certification is no longer value added as the majority of designers and material manufacturers are providing services and products that are environmental-friendly and energy-conscious.

LEED DOES NOT NECESSARILY LEAD and CAN BE A BURDEN

LEED is too bureaucratic; also too time-intensive and financially burdensome.

Spending public money needs to be done wisely. One option is to ask donors to pay the cost for certification levels. Return on investment.

APDesign Building Certification Survey - Comment Themes

ALUMNI RESPONSES: PRIMARY THEMES, IDEAS & VALUES

from those saying <u>we should</u> seek Living Building Challenge certification

SET HIGH STANDARDS and CREATE A TRULY SUSTAINABLE BUILDING

APDesign is an institution representing our profession. Stewardship to society impels us to take sustainability seriously. The project is an example for students and the industry alike. Be an example for the community and State of Kansas and for K-State and other schools.

Certifications themselves aren't as important as long as the ideas of sustainable building design are implemented.

Have the students learn from the design and construction. The building should be a lab for students, faculty, and the community. Going through certification could also serve as a useful learning tool for students. Make the process and the product learning tools. Teach the certification process in classes/studios. Have students and faculty work together to perform audits as part of the educational process.

Show students, alumni, manufacturers, other universities, other colleges on campus, and potential donors that KSU APDesign is pushing the boundaries on what can be done in construction and holds themselves to the highest of standards.

LEED & 2030 CHALLENGE ARE IMPORTANT IN REGARDS TO COLLEGE LEADERSHIP

The publicity of the end-product and methods used to gain certification will outweigh the associated costs.

Certification serves as a good quality-assurance measure and will help generate positive press.

It would be harder to promote the College without the impact and attention brought by certification. It would be embarrassing to see us lag behind any other college in the university.

The 2030 Challenge requires real thought in the design process. Make our design efforts holistic, not simply a checklist. Focus on what the building looks like and how it functions. Also, its fitness to its context.

HISTORIC PRESERVATION & RETAINING THE CHARACTER OF EXISTING BUILDINGS ARE IMPORTANT

Revitalization can be the most sustainable approach to building design. Historic Preservation award should be sought for the revitalization of the east wing and the preservation of the original portion of Seaton Court.

Design should meet the Secretary of Interior's Standards for Renovation.

Make sure what is built respects the treasure that is there.

Existing Seaton Hall and especially Seaton Court contain too many toxins. Certification or not, clean them up.

CONSIDER IF CERTIFICATION IS VALUABLE; USE THE PROCESS WISELY; CREATE A GREAT PRODUCT

Evaluate the effectiveness of other LEED buildings (Leadership Studies, Jardine, and Human Ecology) on campus before going for LEED certification

Consider LEED the starting point…not the goal… LEED is too common. Make sure certification is credible.

Go for certification goals, without seeking certification. Certification is not worth the funds spent on trying to obtain the certificate (not essential, and time and money can be used for much better purposes).

The College has made a name in an old building and should make its name by how it teaches, does research, and the actual outcomes of the building in regards to energy efficiency, water conservation, stormwater management, spatial function and beauty, etc…

APDesign Building Certification Survey - Comment Themes

ALUMNI RESPONSES: PRIMARY THEMES, IDEAS & VALUES

from those saying <u>we should</u> seek LEED and/or Energy Star certifications

Using the ideals and principles related to Energy Star, the best that LEED metrics and procedures have to offer, the Living Building Challenge, and The 2030 Challenge are important! Most importantly the buildings must be designed smartly in terms of embodied energy, optimized for passive-solar, air flow, and other fundamental guidelines. The design must consider long-term maintenance and sustainability.

LEED & 2030 CHALLENGE ARE IMPORTANT IN REGARDS TO COLLEGE RECOGNITION & LEADERSHIP

LEED is the U.S. benchmark *and* the most widely recognized green building certification system in the world; use it. There is value and prestige accorded to the various certification programs, so the university will need to make the subjective decision as to what cost they are willing to pay for the publicity. Champion the AIA 2030 Challenge.

BUILDINGS & LANDSCAPE PLAY A KEY ROLE IN HELPING STUDENTS LEARN; CERTIFICATION MAY HELP

The buildings and landscape should be learning labs/tools. Using Living Building or LEED metrics for the design would be a great learning opportunity for students. Full certification may not be necessary. Get it certified as an efficient, well designed, affordable, efficient, and aesthetically pleasing addition and a living/working asset.

Upfront costs for good design and excellent specifications and construction drawings will pay off in the long run. Certification costs are "upfront" costs and should be compared with life-cycle costs and cost savings in the future.

Building to certification guidelines is desirable and a great value for economic operation of the buildings. Having a piece of paper saying you have achieved a great LEED level may be desirable for an educational facility training the future designers of the world. More importantly would be educational displays, monitors, etc., that continually show how much energy is being generated, or saved, what systems and devices are in place that are saving energy, a listing of what the materials used to construct the facility are made from and from how far away.

Buildings should resonate with place/context and feel deeply grounded to KSU History. New facilities should be easily maintained and elegantly crafted using material and resources from the bio-region. Should be worthy of love & respect.

USE RELEVANT PRINCIPLES FROM LEED BUT DON'T CERTIFY; USE THE COST & TIME SAVINGS TO IMPLEMENT ENERGY SAVING FEATURES/DEVICES & ENGAGE IN BUILDING/SYSTEMS RESEARCH

Have the courage to make the expansion at the highest quality possible without LEED and its added costs. Other than getting a plaque and some tax credits, LEED is not so important. Use the best possible design solutions and products you can. Employ the right contractors. Make the right choices, doing what is best for the budget and campus, not a silly checklist. Build in a regenerative way!

Spend the money on improving students' work space, common space, and interactivity.

You should be educating the world on the environmental and health cost of this challenge. You should revise your metrics to aspire to life cycle costing not front end cost. This will resolve all of these issues. University buildings are potentially an opportunity to provide real world research into new and emerging concepts in energy savings and environmental protection. It is far more valuable to spend the saved 5-8% on research that benefits all buildings than the arbitrary certification a single building. As a University the purpose should be education (not status).

LEED certification only evaluates a building at the time of construction....the performance over time is far more important to energy conservation, etc.

Having a LEED project is not critical to the success of the project; implementing sustainable practices is critical!

APDesign Building Certification Survey – Key Questions Regarding the New Building

Selected Student Survey Results

195 of 199 respondents thought we should do something* in regards to certifying the new bldg.

1) Living Building – (90) 45.45%
2) LEED – (88) 44.44%
3) Energy Star – (16) 8.08%
4) None – (4) 2.02%

* Data drawn from the following Q: "Please select from the following the MINIMUM level of sustainable/stewardship certification that you think the new Seaton Hall expansion (new APDesign building) should achieve (check only one of the four options): 1) Living Building Challenge…; 2) LEED Certification…; 3) Energy Star (or similar certification for all building appliances and the HVAC system); or 4) None."

127 of 198 respondents said that aiming for Living Building status was of moderate or high importance

High – (76) 38.38%
Moderate – (51) 25.76%
Low – (53) 26.77%
No Importance – (18) 9.09%

168 of 199 respondents said that aiming for LEED Platinum status was of moderate or high importance

High – (94) 47.24%
Moderate – (74) 37.19%
Low – (23) 11.56%
No Importance – (8) 4.02%

173 of 196 respondents said that aiming for LEED Gold status was of moderate or high importance

High – (119) 60.71%
Moderate – (54) 27.55%
Low – (13) 6.63%
No Importance – (10) 5.1%

168 of 198 respondents said that aiming for LEED Silver status was of moderate or high importance

High – (131) 66.16%
Moderate – (37) 18.69%
Low – (19) 9.6%
No Importance – (11) 5.56%

195 of 328 responses indicated we should aspire to Living Building or LEED Platinum for the new bldg.

Living Building – (98)
LEED Platinum – (97)
LEED Gold – (65)
LEED Silver – (23)
LEED certified – (24)
Energy Star – (21)

172 of 196 (87.76%) of respondents thought we should seek Sustainable Sites status for the new bldg.

Total number of students responding to the survey – 199
Total number of students sent a survey via e-mail – 708

APDesign Building Certification Survey – Key Questions Regarding the New Building

Selected Faculty/Staff Survey Results

All 38 respondents thought we should do something in regards to certifying the new bldg.

1) Living Building – (12) 31.58%
2) LEED – (22) 57.89%
3) Energy Star – (4) 10.53%

* Data drawn from the following Q: "Please select from the following the MINIMUM level of sustainable/stewardship certification that you think the new Seaton Hall expansion (new APDesign building) should achieve (check only one of the four options): 1) Living Building Challenge…; 2) LEED Certification…; 3) Energy Star (or similar certification for all building appliances and the HVAC system); or 4) None."

23 of 37 respondents said that aiming for Living Building status was of moderate or high importance

High – (11) 29.73%
Moderate – (12) 32.43%
Low – (10) 27.03%
No Importance – (4) 10.81%

31 of 37 respondents said that aiming for LEED Platinum status was of moderate or high importance

High – (21) 56.76%
Moderate – (10) 27.03%
Low – (6) 16.22%
No Importance – (0) 0%

32 of 37 respondents said that aiming for LEED Gold status was of moderate or high importance

High – (19) 51.35%
Moderate – (13) 35.14%
Low – (3) 3 8.11%
No Importance – (2) 5.41%

25 of 38 respondents said that aiming for LEED Silver status was of moderate or high importance

High – (16) 42.11%
Moderate – (9) 23.68%
Low – (10) 26.32%
No Importance – (3) 7.89%

37 of 61 responses indicated we should aspire to Living Building or LEED Platinum for the new bldg.

Living Building – (17)
LEED Platinum – (20)
LEED Gold – (9)
LEED Silver – (5)
LEED certified – (6)
Energy Star – (4)

35 of 36 (97.22%) of respondents thought we should seek Sustainable Sites status for the new bldg.

Number of APDesign staff responding to the survey – 9; Number of faculty responding to the survey – 29
Total number of faculty/staff sent a survey via e-mail – 88 (thus 38 of 88 responded)

APDesign Building Certification Survey – Key Questions Regarding the New Building

Selected Alumni Survey Results

636 of 755 respondents thought we should do something* in regards to certifying the new bldg.

1) Living Building – (174) 23.05%
2) LEED – (369) 48.87%
3) Energy Star – (93) 12.32%
4) None – (119) 15.76%

* Data drawn from the following Q: "Please select from the following the MINIMUM level of sustainable/stewardship certification that you think the new Seaton Hall expansion (new APDesign building) should achieve (check only one of the four options): 1) Living Building Challenge…; 2) LEED Certification…; 3) Energy Star (or similar certification for all building appliances and the HVAC system); or 4) None."

284 of 748 respondents said that aiming for Living Building status was of moderate or high importance

High – (145) 19.39%
Moderate – (139) 18.58%
Low – (184) 24.6%
No Importance – (280) 37.43%

378 of 750 respondents said that aiming for LEED Platinum status was of moderate or high importance

High – (187) 24.93%
Moderate – (191) 25.47%
Low – (171) 22.8%
No Importance – (201) 26.8%

455 of 750 respondents said that aiming for LEED Gold status was of moderate or high importance

High – (249) 33.2%
Moderate – (206) 27.47%
Low – (117) 15.6%
No Importance – (178) 23.73%

435 of 745 respondents said that aiming for LEED Silver status was of moderate or high importance

High – (312) 41.88%
Moderate – (123) 16.15%
Low – (143) 19.19%
No Importance – (167) 22.42%

502 of 1104 responses indicated we should aspire to Living Building or LEED Platinum for the new bldg.

Living Building – (233)
LEED Platinum – (269)
LEED Gold – (209)
LEED Silver – (136)
LEED certified – (105)
Energy Star – (152)

539 of 747 (72.16%) of respondents thought we should seek Sustainable Sites status for the new bldg.

Total number of alumni responding to the survey – approx. 760
Total number of alumni sent a survey via e-mail – approx. 4,105

APDesign Certification Survey – Synthesis of Comments

Suggestions for Consideration

OTHER CERTIFICATIONS

1. Net Zero Energy - http://en.wikipedia.org/wiki/Zero-energy_building
2. Net Zero Water - https://ilbi.org/education/reports/towardnetzero
3. Cradle-to-Cradle - http://en.wikipedia.org/wiki/Cradle-to-cradle_design
4. Green Globes - http://www.greenglobes.com/home.asp
5. BREAM - http://www.breeam.org/
6. FSC - https://us.fsc.org/
7. EPA Water Sense - http://www.epa.gov/watersense/
8. Green Seal - http://www.greenseal.org/GreenBusiness/Standards.aspx
9. Green Building | Whole-Building - https://www.nrdc.org/buildinggreen/approach/default.asp
10. LEED EB+OM; LEED BD+C - http://www.usgbc.org/ebom | http://www.usgbc.org/leed/rating-systems/bdc
11. Passive House / PassivHaus - http://passiv.de/en/
12. Delos Well Building Standard - http://delosliving.com/about/well-building-standard/
13. MEP - MEP (Mechanical/Electrical/Plumbing) BIM Technology
14. SEED - http://www.seed-network.org/learn/
15. CEFPI (focusing on the Classroom of the Future)
16. HVAC & UL Fire Ratings
17. Good Housekeeping Seal of Approval
18. ASHRAE… ASHRAE 90.1 and 2009 Energy Code
19. ICC International Energy Conservation Code and related Building, Mechanical, Electrical and Plumbing Codes
20. Materials Red List (materials to avoid) - http://en.wikipedia.org/wiki/Red_List_building_materials

RECOGNITIONS & AWARDS PROGRAMS

1. AIA, ASLA, LAF, EDRA, Project for Public Places; Educational Facility Planners; USEPA, DOE/NREL…
2. Historic Resources/Kansas Preservation Alliance - for Seaton Hall and the oldest part of Seaton Court

LEARNING/RESEARCH & OPERATIONS HELPS and PRECEDENTS

1. Earthsure program through IERE (Institute for Environmental Research and Education)
2. Los Alamos National Laboratory Engineering Standards Manual
3. Life Cycle Cost Analysis
4. Internal audits & maintenance/management by faculty, staff & students
5. Algonquin Centre for Construction Excellence - Ottawa Ontario (LEED Platinum Education Building)
6. Islandwood on Bainbridge Island, Washington
7. LEED - see www.centerforgreenschools.org/green-campus.aspx
   (USGBC Director of Higher Education - Jaime Van Mourik)
8. http://www.facilitiesnet.com/green/article/How-To-Get-Your-First-LEED-Certified-Building--10056

FUNDING IDEAS

1. Clean Energy Community Fund; Grand Victoria Foundation; Koch Brothers; Gates & Clinton foundations…
2. USGBC; Fed. & State grants/credits; Industry, Alumni & other private donations; Student campaign; Electric company rebates…
3. Local-impact investing; Named studios/labs/rooms/facilities; Donor recognition campaign; Product donations…
4. Check how other sustainable buildings/landscapes were funded (Drexel, U Georgia, many others)…
5. Use kick-starter and other crowd-sourcing tools for fund-raising
6. Design a great bldg. & funds will come from alumni and others…

KSU Seaton Complex Revitalization and Expansion Building Survey

Kansas State University in Manhattan currently has two LEED-Gold certified facilities
(The Leadership Studies Building and Human Ecology's Justin Hall Addition)

We would like to hear your thoughts and preferences about sustainable building certification for the new and renovated APDesign building and landscape designs!

Dear Survey Participant,

Please review the following information before agreeing to complete this on-line survey, which should take 10-20 minutes of your time.
You may address some or all of the survey questions, however,
we would certainly appreciate reading your thoughts related to each question that follows.

Thank you for your time and thoughts!

Principal Investigator and Research Team Leader: Lee R. Skabelund
APDesign Responsible Stewardship Committee Chair, Kansas State University

Survey Background

Sustainable building practices are a significant concern given the need to reduce life cycle costs while increasing our return on investments made.

We wish to determine how interested K-State APDesign faculty/staff, students, and alumni are in supporting different kinds of certifications (both building and site/landscape focused) given differences in costs, and the expected benefits associated with these processes.

Kansas State University Seaton Complex Revitalization and Expansion Building Survey

Final KSU-APDesign Building Certification Survey Questions (Jan. 23, 2013 lrs)

Please quickly skim each of the questions that follow (before responding) since we are asking questions that are similar in nature, but address the issues of "responsible building practices" and "building certification" in different ways. Thank you for your time and thoughts!

1a) Rate the importance of obtaining some type of sustainable/stewardship/energy-conservation certification for the renovated APDesign Seaton Hall East Wing. (please select one value)
of high importance of no importance
3 2 1 0

1b) Rate the importance of obtaining some type of sustainable/stewardship/energy-conservation certification for the new APDesign building. (please select one value)
of high importance of no importance
3 2 1 0

2a) Please select from the following the MINIMUM level of sustainable/stewardship certification that you think the Seaton Hall revitalization (renovation of Seaton Hall's East Wing) should achieve (check only one of the three options):

__ **(A) LEED Certification** – LEED certification is the most common certification program in the U.S. and to achieve a high LEED rating (i.e. Platinum) buildings reach high standards for site systems, water use reduction, daylight, energy efficiency, air quality, and materials sourcing. LEED buildings must also be commissioned (i.e. monitored after occupation to ensure proper operation and occupant well-being) prior to certification.
__ **(B) Energy Star** (or similar certification for all building appliances and the HVAC system) – Energy Star focuses on energy efficiency (rather than water, air, and environmental quality).
__ **(C) None** - I do not feel certification is worth the cost and effort for the renovation.

2b) Please select from the following the MINIMUM level of sustainable/stewardship certification that you think the new Seaton Hall expansion (new building) should achieve (check only one of the four options):

__ **(A) Living Building Challenge** – one of the most comprehensive certification programs that includes criteria beyond LEED certification, including net zero water usage (reduces water use and returns equal amount to watershed), carbon footprint management (accounts for embodied carbon in materials), and net zero energy building operation (building generates the same amount of energy it uses on an annual basis).
__ **(B) LEED Certification** – LEED certification is the most common certification program in the U.S. and to achieve a high LEED rating (i.e. Platinum) buildings reach high standards for site systems, water use reduction, daylight, energy efficiency, air quality, and materials sourcing. LEED buildings must also be commissioned (i.e. monitored after occupation to ensure proper operation and occupant well-being) prior to certification.
__ **(C) Energy Star** (or similar certification for all building appliances and the HVAC system) – Energy Star focuses on energy efficiency (rather than water, air, and environmental quality).
__ **(D) None** - I do not feel certification is worth the cost and effort for the new building.

Final KSU-APDesign Building Certification Survey Questions, continued…

3a) Rate the importance of obtaining LEED Platinum certification (which may cost an additional 5-8% of the construction cost) for the renovated APDesign Seaton Hall East Wing? (please select one value)
of high importance of no importance
3 2 1 0

3b) Rate the importance of obtaining LEED Gold certification (which may cost an additional 4-5.5% of the construction cost) for the renovated APDesign Seaton Hall East Wing? (please select one value)
of high importance of no importance
3 2 1 0

3c) Rate the importance of obtaining LEED Silver certification (which may cost an additional 2-3.5% of the construction cost) for the renovated APDesign Seaton Hall East Wing? (please select one value)
of high importance of no importance
3 2 1 0

4a) Rate the importance of obtaining Living Building certification (which would likely cost more money than LEED Platinum certification) for the new APDesign building? (please select one value)
of high importance of no importance
3 2 1 0

4b) Rate the importance of obtaining LEED Platinum certification (which may cost an additional 5-8% of the construction cost) for the new APDesign building? (please select one value)
of high importance of no importance
3 2 1 0

4c) Rate the importance of obtaining LEED Gold certification (which may cost an additional 4-5.5% of the construction cost) for the new APDesign building? (please select one value)
of high importance of no importance
3 2 1 0

4d) Rate the importance of obtaining LEED Silver certification (which may cost an additional 2-3.5% of the construction cost) for the new APDesign building? (please select one value)
of high importance of no importance
3 2 1 0

5a) Should we seek some type of certification for the renovated portion of the APDesign building project?
Yes No

5b) For design of the new APDesign building what building-related metrics should we aspire to (even if the university decides that we would not pursue certification)?
(select a maximum of two of the following)
Living Building / LEED-Platinum / LEED-Gold / LEED-Silver / LEED-certified / Energy Star

5c) Should we seek Sustainable Sites certification for the landscape portion of the new building project?
Note: Sustainable Sites (SITES™) includes criteria for sustainable land practices to enable built landscapes to support natural ecological functions and regenerate ecological capacity. The SITES program does so by addressing site context, site assessment & planning, water, soil & vegetation, materials, human health & well-being, construction, operation & maintenance, and education & performance monitoring.
Yes No

Final KSU-APDesign Building Certification Survey Questions, continued…

6) Are there any other certifications we should consider?

7) What role should our college play in addressing the 2030 Challenge?
Note that the 2030 Challenge asks that all new buildings, developments, and major renovations be designed to meet a fossil fuel, GHG-emitting, energy consumption performance standard of 60 percent below the regional (or country) average/median for that building type.

8) Given the metrics we aspire to, please note potential funding opportunities to defray certification costs.

9) What other thoughts do you have regarding certification for APDesign's new or revitalized buildings?

Demographic Questions (alumni survey only; faculty/staff and student surveys will not ask these Qs):

10a) What discipline(s) did you receive a degree from at Kansas State University? (mark all that apply)
Architecture; Interior Architecture & Product Design; Landscape Architecture; Planning

10b) How long have you been in the profession? (mark only one of the following)
1-9 years; 10-19 years; 20+ years

If you would be interested in having a follow up conversation with Associate Professor Lee R. Skabelund, the team leader for this survey effort, please share your name and contact information with him via e-mail at, lskab@ksu.edu.

This would allow you to share additional thoughts about APDesign building certification with a member of the research team.

1

Rate the importance of obtaining some type of sustainable/stewardship/energy-conservation certification for the renovated APDesign Seaton Hall East Wing. (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		317	41.99%
2	2		226	29.93%
3	1		122	16.16%
4	0 (of no importance)		90	11.92%
	Total		755	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	1.98	1.06	1.03	755	755

2

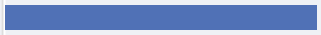
Rate the importance of obtaining some type of sustainable/stewardship/energy-conservation certification for the <u>new</u> APDesign building. (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		445	58.71%
2	2		152	20.05%
3	1		74	9.76%
4	0 (of no importance)		87	11.48%
	Total		758	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	1.74	1.08	1.04	758	758

3

Please select from the following the MINIMUM level of sustainable/stewardship certification that you think the Seaton Hall revitalization (renovation of Seaton Hall's East Wing) should achieve (check only one of the three options):

#	Answer	Bar	Response	%
1	(A) LEED Certification – LEED certification is the most common certification program in the U.S. and to achieve a high LEED rating (i.e. Platinum) buildings reach high standards for site systems, water use reduction, daylight, energy efficiency, air quality, and materials sourcing. LEED buildings must also be commissioned (i.e. monitored after occupation to ensure proper operation and occupant well-being) prior to certification.		412	54.57%
2	(B) Energy Star (or similar certification for all building appliances and the HVAC system) – Energy Star focuses on energy efficiency (rather than water, air, and environmental quality).		205	27.15%
3	(C) None - I do not feel certification is worth the cost and effort for the renovation.		138	18.28%
	Total		755	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	3	1.64	0.60	0.77	755	755

4

Please select from the following the MINIMUM level of sustainable/stewardship certification that you think the new Seaton Hall expansion (new APDesign building) should achieve (check only one of the four options):

#	Answer	Bar	Response	%
1	(A) Living Building Challenge – one of the most comprehensive certification programs that includes criteria beyond LEED certification, including net zero water usage (reduces water use and returns equal amount to watershed), carbon footprint management (accounts for embodied carbon in materials), and net zero energy building operation (building generates the same amount of energy it uses on an annual basis).		174	23.05%
2	(B) LEED Certification – LEED certification is the most common certification program in the U.S. and to achieve a high LEED rating (i.e. Platinum) buildings reach high standards for site systems, water use reduction, daylight, energy efficiency, air quality, and materials sourcing. LEED buildings must also be commissioned (i.e. monitored after occupation to ensure proper operation and occupant well-being) prior to certification.		369	48.87%
3	(C) Energy Star (or similar certification for all building appliances and the HVAC system) – Energy Star focuses on energy efficiency (rather than water, air, and environmental quality).		93	12.32%
4	(D) None - I do not feel certification is worth the cost and effort for the new building.		119	15.76%
	Total		755	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	2.21	0.94	0.97	755	755

5

Rate the importance of obtaining LEED Platinum certification (which may cost an additional 5-8% of the construction cost) for the renovated APDesign Seaton Hall East Wing? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		137	18.19%
2	2		191	25.37%
3	1		204	27.09%
4	0 (of no importance)		221	29.35%
	Total		753	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	2.68	1.17	1.08	753	753

6

Rate the importance of obtaining LEED Gold certification (which may cost an additional 4-5.5% of the construction cost) for the renovated APDesign Seaton Hall East Wing? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		202	26.79%
2	2		223	29.58%
3	1		146	19.36%
4	0 (of no importance)		183	24.27%
	Total		754	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	2.41	1.27	1.12	754	754

7

Rate the importance of obtaining LEED Silver certification (which may cost an additional 2-3.5% of the construction cost) for the renovated APDesign Seaton Hall East Wing? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		292	39.09%
2	2		144	19.28%
3	1		137	18.34%
4	0 (of no importance)		174	23.29%
	Total		747	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	2.26	1.44	1.20	747	747

8

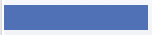
Rate the importance of obtaining Living Building certification (which would likely cost more money than LEED Platinum certification) for the new APDesign building? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		145	19.39%
2	2		139	18.58%
3	1		184	24.60%
4	0 (of no importance)		280	37.43%
	Total		748	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	2.80	1.30	1.14	748	748

9

Rate the importance of obtaining LEED Platinum certification (which may cost an additional 5-8% of the construction cost) for the new APDesign building? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		187	24.93%
2	2		191	25.47%
3	1		171	22.80%
4	0 (of no importance)		201	26.80%
	Total		750	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	2.51	1.29	1.13	750	750

10

Rate the importance of obtaining LEED Gold certification (which may cost an additional 4-5.5% of the construction cost) for the new APDesign building? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		249	33.20%
2	2		206	27.47%
3	1		117	15.60%
4	0 (of no importance)		178	23.73%
	Total		750	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	2.30	1.35	1.16	750	750

11

Rate the importance of obtaining LEED Silver certification (which may cost an additional 2-3.5% of the construction cost) for the new APDesign building? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		312	41.88%
2	2		123	16.51%
3	1		143	19.19%
4	0 (of no importance)		167	22.42%
	Total		745	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	2.22	1.46	1.21	745	745

12

Should we seek some type of certification for the renovated portion of the APDesign building project?

#	Answer	Bar	Response	%
1	Yes		510	68.36%
2	No		236	31.64%
	Total		746	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	2	1.32	0.22	0.47	746	746

13

For design of the <u>new</u> APDesign building what building-related metrics should we aspire to (even if the university decides that we would not pursue certification)?

(select a maximum of two of the following)

#	Answer	Bar	Response	%
1	Living Building		233	31.74%
2	LEED - Platinum		269	36.65%
3	LEED - Gold		209	28.47%
4	LEED - Silver		136	18.53%
5	LEED - Certified		105	14.31%
6	Energy Star		152	20.71%
	Total		1104	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	6	3.06	2.83	1.68	1104	734

14

Should we seek Sustainable Sites certification for the landscape portion of the new building project?
Note: Sustainable Sites (SITES™) includes criteria for sustainable land practices to enable built landscapes to support natural ecological functions and regenerate ecological capacity. The SITES program does so by addressing site context, site assessment & planning, water, soil & vegetation, materials, human health & well-being, construction, operation & maintenance, and education & performance monitoring.

#	Answer	Bar	Response	%
1	Yes		539	72.16%
2	No		208	27.84%
	Total		747	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	2	1.28	0.20	0.45	747	747

15

Are there any other certifications we should consider?

Text Entry
I don't know of any other certifications. My feelings about LEED is that you pay an exorbitant amount of money for a minimal amount of sustainability and the 'right' to hang a certificate on the wall.
None
No. The project should be designed to meet certification requirements, but the cost for just doing the paperwork to actually obtain the "certificate" is way too high. The money for obtaining the certificate should be spent on the actual building, not a piece of paper or a plaque!!!!!
I think that LEED certification would be great to have for the new Seaton Hall.
A living building would be excellent for an educational institution. If this is unobtainable, sustainable measures should be taken for educational purposes, but not for certification purposes as LEED is a great guideline, but not critical.
LEED/Living Building first. One step at a time.
You should concentrate on pushing boundaries using sustainable practices, but use the monies contemplated for a "LEED" rating to document and present your sustainable practices to visitors of the building and on your website with interactive display that is educational. This will serve your mission more effectively than a plaque on the wall.
(I am not familiar with the SITES-TM program; LEED's site-related credits should be pursued to the maximum extent feasible however.)
Build sustainable without the cost or politics of LEED and others
PassivHaus
View More

Statistic	Value
Respondents	267

16

What role should our college play in addressing the 2030 Challenge?
Note that the 2030 Challenge asks that all new buildings, developments, and major renovations be designed to meet a fossil fuel, GHG-emitting, energy consumption performance standard of 60 percent below the regional (or country) average/median for that building type.

Text Entry
The college should fully embrace the challenge for this new develpoment. In order to be seen as a leader in the education of Sustainable design it is critical that the college create living labratories for students learn from.
An active role, especially if there are future learning opportunities that can be gained from this, as real world opportunities.
Our college should play a huge role in addressing this challenge. Our college is for the designers and we as designers have the best ability to be able to achieve the goal of succeeding at this challenge.
Kansas State is a leading educational institution and should play a critical role in the 2030 challenge. Many of the student cross many disciplines are engaged in responsible growth and the campus should be their laboratory.
to keep the college on top of the industry this needs to be explored.
Try to achieve NET ZERO.
Take the lead.
We should do this
Active role
Universities are first and foremost places of exploration and research. Typically research is understood as lab work. In the design field the building is the lab. For College of Architecture and Design to maintain its leadership status its facilities must be a living lab for the exploration of building design that positively impacts the energy and climate challenges we face in this century. In the commercial sector owners seek proven strategies for building solutions as the risks for experimenting are great. Colleges of architecture and design must be active participants in determining what the viable and cost effective solutions are.
View More

Statistic	Value
Respondents	400

17

Given the metrics we aspire to, please note potential funding opportunities to defray certification costs.

Text Entry
Good question. Is there some wing of the K-State Foundation that could be tapped as this is a combination of research and potential PR for the university and architecture school specifically. Of course we are all aware that other architecture schools are addressing the same issues.
Where do the funds come from? Why not use these funds to build a better building rather than buying a plaque.
Grants and donations are great ways to find funding for projects like these.
grants.
See notes below. In my opinion a long term program for continuous student involvement in sustainable research would be a good marketing strategy for grants and annual commitments from manufacturers.
As I've indicated in my response - please do not waste time effort and money on Certification costs. Responsible design is responsible design and can be promoted WITHOUT a third party "Gold Star" to pin on the wall. I've got plenty of projects that I've managed that have gotten LEED (Certified, Silver and Gold) - you can take the time and energy used to tick boxes to do something better and have a BETTER story to tell everyone on Campus as well as the Country. Show your leadership in design and innovation. This will have a cost. You'll need to hire design engineers and architects who can articulate and execute this mission.
The construction costs to meet a minimum of LEED Gold just need to be a part of the allocated construction cost. Any administrative costs (which equal small percentage of the overall project cost) should be funded as part of donor funds applied to the project.
in kansas good luck!
Businesses looking for sustainable and charitable publicity.
don't know
View More

Statistic	Value
Respondents	275

18

What other thoughts do you have regarding certification for APDesign's new or revitalized buildings?

Text Entry
My feelings regarding LEED and certifications are expressed above. The costs for attaining a LEED certification are in my opinion not worth the return. However, that does not mean that I do not believe in sustainable design.
The issue of revitalized buildings and energy consumption / life cycle concerns needs to be addressed forthrightly and let the public know the strategies which are being implemented.
Maximixe architectural sustainability and efficiency without ignoring the need to make great Architecture. Certification is not critical, invest those resources back into the building, rather then the documentation.
The concept behind sustainable buildings and sustainable design is admirable and should be followed. However, the cost that is required to complete the paperwork to obtain the formal certification is extremely high and should not be spent. During these times when funding for educational projects is so limited it would be a shame to waste money on a plaque!!!
I would really question the metrics of between 2% and 8% additional construction costs associated with the building. They seem high. However, I would recommend that the overriding guiding principle be that the renovations and building should incorporate great design and sustainable principles, as a matter of course. Certification is of a secondary importance. While there is a certain notoriety to the aspect of certification, as well as anecdotal marketing value to the certification, if it becomes a funding issue related to the certification process, which can be very costly, I would recommend incorporate the appropriate sustainable ideas, principles in what should be great design for the building and renovations, and forget the certification process.
LEED Gold certification should be the absolute minimum level of certification that this new development obtain and should be done at no additional cost to construction. A building with a reasonable budget (to construct a quality building) should be able to obation LEED Gold with ease. Currently this level of certification is becoming
commonplace and I would hope that the college would want to be seen as leaders and thus would strive for at least LBC petal recognition. We have found that the major barries to LBC are cost (net zreo energy having the biggest impact) and potential code issue relating to alternative systems (compost toilets, rainwater colection for potable use). We have found though that with a group effort the Materials petal is somethign very attainbable. Adding PV to a building is somthign that can be phased into a project but once we let these harmful chemicals into our buildings it is hard to take them out.
APDesign focuses heavily on sustainable design practices and our facility should reflect that.
I certified as LEED AP in 2006, LEED BD+C in 2010. I participated in the design submittals for LEED Certified, Silver, and Gold projects, and planning for LEED Platinum. I served as a construction manager for a large LEED Certified hospitality project, and have an intimate understanding of both processes. In principle we should get the highest
certification possible. The process of pursuing it would be a fantastic design-build education for students involved. However in this case I don't think the potential ROI of simply a high certification merits the added LEED cost. In my opinion, the Living Building certification in conjunction with a long term sustainability plan (including hands on activities such as hydroponics and IAQ/energy monitoring), will be a better draw for future students than simply a building certification. In my professional experience there are many certified people but few with actual experience. Equipping students with skills should be the focus.
Find a design professional who has a team of qualified designers AND engineering consultants who can bring world-class design and engineering to showcase your vision and inspire your students and future design professionals. Out of all the College's on campus, Architecture should be leading the way in building innovation: rainwater harvesting, daylight harvesting, sustainable materials, cool roofs, alterative energy (PV/Solar Hot Water Heating/Wind), consider using grey water in the building and for irrigation, and the list goes on.... Please do not focus on labels, focus on RESULTS and DESIGN AND ENGINEERING SOLUTIONS - anyone can TICK BOXES on a list. I know politicians and perhaps campus management might be pressuring you to achieve a certain "LEED" rating so they can tout their accomplishments at conferences... but you must do BETTER! You should be able to articulate how you have exceeded LEED standards and achieved more noble goals - use it as a teaching tool!
It is important that APDesign set an example by having its constuction comply - at a minimum - with the most widely-

Statistic	Value
Respondents	337

19

What discipline(s) did you receive a degree from at Kansas State University

#	Answer	Bar	Response	%
1	Architecture		442	57.85%
2	Interior Architecture & Product Design		101	13.22%
3	Landscape Architecture		188	24.61%
4	Planning		33	4.32%
	Total		764	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	1.75	0.94	0.97	764	764

20

How long have you been in the profession? (mark only one of the following)

#	Answer	Bar	Response	%
1	0-9 Years		275	35.99%
2	10-19 Years		138	18.06%
3	20+ Years		351	45.94%
	Total		764	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	3	2.10	0.81	0.90	764	764

1

Rate the importance of obtaining some type of sustainable/stewardship/energy-conservation certification for the renovated APDesign Seaton Hall East Wing. (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		21	55.26%
2	2		9	23.68%
3	1		8	21.05%
4	0 (of no importance)		0	0.00%
	Total		38	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	3	1.66	0.66	0.81	38	38

2

Rate the importance of obtaining some type of sustainable/stewardship/energy-conservation certification for the <u>new</u> APDesign building. (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		31	81.58%
2	2		5	13.16%
3	1		2	5.26%
4	0 (of no importance)		0	0.00%
	Total		38	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	3	1.24	0.29	0.54	38	38

3

Please select from the following the MINIMUM level of sustainable/stewardship certification that you think the Seaton Hall revitalization (renovation of Seaton Hall's East Wing) should achieve (check only one of the three options):

#	Answer	Bar	Response	%
1	(A) LEED Certification – LEED certification is the most common certification program in the U.S. and to achieve a high LEED rating (i.e. Platinum) buildings reach high standards for site systems, water use reduction, daylight, energy efficiency, air quality, and materials sourcing. LEED buildings must also be commissioned (i.e. monitored after occupation to ensure proper operation and occupant well-being) prior to certification.		19	50.00%
2	(B) Energy Star (or similar certification for all building appliances and the HVAC system) – Energy Star focuses on energy efficiency (rather than water, air, and environmental quality).		17	44.74%
3	(C) None - I do not feel certification is worth the cost and effort for the renovation.		2	5.26%
	Total		38	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	3	1.55	0.36	0.60	38	38

4

Please select from the following the MINIMUM level of sustainable/stewardship certification that you think the new Seaton Hall expansion (new APDesign building) should achieve (check only one of the four options):

#	Answer	Bar	Response	%
1	(A) Living Building Challenge – one of the most comprehensive certification programs that includes criteria beyond LEED certification, including net zero water usage (reduces water use and returns equal amount to watershed), carbon footprint management (accounts for embodied carbon in materials), and net zero energy building operation (building generates the same amount of energy it uses on an annual basis).		12	31.58%
2	(B) LEED Certification – LEED certification is the most common certification program in the U.S. and to achieve a high LEED rating (i.e. Platinum) buildings reach high standards for site systems, water use reduction, daylight, energy efficiency, air quality, and materials sourcing. LEED buildings must also be commissioned (i.e. monitored after occupation to ensure proper operation and occupant well-being) prior to certification.		22	57.89%
3	(C) Energy Star (or similar certification for all building appliances and the HVAC system) – Energy Star focuses on energy efficiency (rather than water, air, and environmental quality).		4	10.53%
4	(D) None - I do not feel certification is worth the cost and effort for the new building.		0	0.00%
	Total		38	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	3	1.79	0.39	0.62	38	38

5

Rate the importance of obtaining LEED Platinum certification (which may cost an additional 5-8% of the construction cost) for the renovated APDesign Seaton Hall East Wing? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		10	26.32%
2	2		11	28.95%
3	1		8	21.05%
4	0 (of no importance)		9	23.68%
	Total		38	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	2.42	1.28	1.13	38	38

6

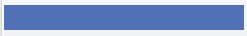
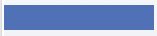
Rate the importance of obtaining LEED Gold certification (which may cost an additional 4-5.5% of the construction cost) for the renovated APDesign Seaton Hall East Wing? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		11	28.95%
2	2		13	34.21%
3	1		8	21.05%
4	0 (of no importance)		6	15.79%
	Total		38	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	2.24	1.10	1.05	38	38

7

Rate the importance of obtaining LEED Silver certification (which may cost an additional 2-3.5% of the construction cost) for the renovated APDesign Seaton Hall East Wing? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		16	42.11%
2	2		9	23.68%
3	1		10	26.32%
4	0 (of no importance)		3	7.89%
	Total		38	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	2.00	1.03	1.01	38	38

8

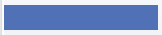
Rate the importance of obtaining Living Building certification (which would likely cost more money than LEED Platinum certification) for the new APDesign building? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		11	29.73%
2	2		12	32.43%
3	1		10	27.03%
4	0 (of no importance)		4	10.81%
	Total		37	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	2.19	0.99	1.00	37	37

9

Rate the importance of obtaining LEED Platinum certification (which may cost an additional 5-8% of the construction cost) for the new APDesign building? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		21	56.76%
2	2		10	27.03%
3	1		6	16.22%
4	0 (of no importance)		0	0.00%
	Total		37	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	3	1.59	0.58	0.76	37	37

10

Rate the importance of obtaining LEED Gold certification (which may cost an additional 4-5.5% of the construction cost) for the new APDesign building? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		19	51.35%
2	2		13	35.14%
3	1		3	8.11%
4	0 (of no importance)		2	5.41%
	Total		37	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	1.68	0.73	0.85	37	37

11

Rate the importance of obtaining LEED Silver certification (which may cost an additional 2-3.5% of the construction cost) for the new APDesign building? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		16	45.71%
2	2		12	34.29%
3	1		5	14.29%
4	0 (of no importance)		2	5.71%
	Total		35	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	1.80	0.81	0.90	35	35

12

Should we seek some type of certification for the renovated portion of the APDesign building project?

#	Answer	Bar	Response	%
1	Yes		31	86.11%
2	No		5	13.89%
	Total		36	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	2	1.14	0.12	0.35	36	36

13

For design of the <u>new</u> APDesign building what building-related metrics should we aspire to (even if the university decides that we would not pursue certification)?

(select a maximum of two of the following)

#	Answer	Bar	Response	%
1	Living Building		17	47.22%
2	LEED - Platinum		20	55.56%
3	LEED - Gold		9	25.00%
4	LEED - Silver		5	13.89%
5	LEED - Certified		6	16.67%
6	Energy Star		4	11.11%
	Total		61	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	6	2.59	2.38	1.54	61	36

14

Should we seek Sustainable Sites certification for the landscape portion of the new building project?
Note: Sustainable Sites (SITES™) includes criteria for sustainable land practices to enable built landscapes to support natural ecological functions and regenerate ecological capacity. The SITES program does so by addressing site context, site assessment & planning, water, soil & vegetation, materials, human health & well-being, construction, operation & maintenance, and education & performance monitoring.

#	Answer	Bar	Response	%
1	Yes		35	97.22%
2	No		1	2.78%
	Total		36	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	2	1.03	0.03	0.17	36	36

15

Are there any other certifications we should consider?

Text Entry
I think the certifications mentioned in this survey are worthy of our consideration. There are other possibilities, but the four prgrams mentioned (Living Building, LEED, Energy-Star, and SITES) are currently the mainstays in the US.
FSC, Cradle to Cradle, EPA Water Sense, Green Seal
N/A
LEED Operations and Maintenance - Certification for operating a building in an efficient and high quality way.
I am personally not a fan of LEED, but I think the message it will send to campus and to the state is important. It shows that we take responsible design seriously. I think there are other certificates which could be perused other than LEED. Again, the effort and message is most important, not the level we achieve.
Sustainable Sites should be a focus!!

Statistic	Value
Respondents	6

16

What role should our college play in addressing the 2030 Challenge?
Note that the 2030 Challenge asks that all new buildings, developments, and major renovations be designed to meet a fossil fuel, GHG-emitting, energy consumption performance standard of 60 percent below the regional (or country) average/median for that building type.

Text Entry
Building construction and design cannot continue to be based on past models of energy, natural resource extraction, etc. If our program is espousing to create professional leaders of the future we shoudl espouse to create an environment that places our students as leaders. This means setting a goal to be on cutting edge of design and construction - we should adimately pursue the 2030 challenge (though this, I would argue, is not enough for and architecture program)
We should become a leader in showing others how to do this!
Should be a player in this as should the rest of the campus
In 2015, the goal is to have buildings use 70% less energy than conventional construction. This is something to aim for.
our college can not ignore this issue for obvious reasons. the NEW facility should serve as an example for both college community, university community and beyond. I do not think we have to go Platinum in order to be relevant. Especially if it jeapardizes the entire mission of new construction.
Would be great! If we want a mindset change in our students, it can start with our own building.
We should be the prototype for the next generation of buildings.
We should lead.
We should embrace the challenge wholeheartedly. We should educate our students, the campus administration, alumni, and public-at-large about the importance of this challenge as we pursue it.
I feel it is critical for APDesign to demostrate leadership in sustainable design regarding new buildings & development (and renovations when able) on the K-State campus. Not only as an example for the University and State of Kansas, but as a selling point for attracting bright & innovative students and faculty to our program. Additionally, it would be an opportunity to engage current students and faculty regarding incorporating sustainable practices in design and construction.
View More

Statistic	Value
Respondents	19

17

Given the metrics we aspire to, please note potential funding opportunities to defray certification costs.

Text Entry
Consider NSF grants that would provide student learning experiences. Some of the cost is in product selection and bidding. If students can be involved in the process, we might defray some of the costs through better produce research, selection and bidding.
N/A
Budgeting needs to look at energy, water, maintenance and other costs over the next 50-100 years. Taking this view, some additional funding up front is a nominal charge.
This type of aspiration should be leveraged to motivate alumni donors. It is much more exciting to sponsor a "living building" or "sustainable site" than just Business as Usual.
I don't view certification costs as an add on requiring separate funding. Our budget must take into consideration the full spectrum of costs associated with construction (and future maintenance) of the building and grounds. The design team must be able to think about the design from an integrated rather than additive approach.
Are there any ways the new building could receive discounts in certain new materials or new equipment as part of their promotion of being a progressive company? Can we find corporations that find a partnership with academia to be financially to their liking?
It will be important to consult with others who have gone through the certification process to see how they approached securing funds.
Beyond our alumni and the State, the US Department of Energy and funding through the current Administration's (Pres. Obama) energy initiatives.

Statistic	Value
Respondents	8

18

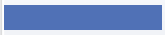
What other thoughts do you have regarding certification for APDesign's new or revitalized buildings?

Text Entry
The certifications are less important than the actions. If this survey had asked, how important is it that our renovated/new building reduce water consumption or minimize energy consumption, I would have rated everything "very high." Seeking certification for the actions is moderately important: It would help with recruitment and operation costs. Actually doing the things that will make the building have a smaller ecological footprint are very important.
Sustainability in the new APDesign building is really about showing who we are. We teach energy efficiency, water and resource conservation, taking care of the land. How can we say we are committed to a pedagogy of high quality, meaningful, and responsible environments -built, natural, and managed - if we do not exemplify these goals in our new home?
This new/renovated facility should be able to act as a teaching device.
Get students involved in the process as much as possible. Also incorporate monitoring into the project. Would be great to track our energy/resource use over time and for students and faculty to present this as research.
We can not totally ignore this issue, nor can we make it the sole reason for our existence if we truly want to get the job done. Perhaps there may be "add ons" to the building that are actually part of various "design / build" exercises by our college? This may lower the overall cost of the project and allow the building to evolve to some degree, even in the use of evolving new concepts and technologies??
Too often we aspire to sustainability/certification for the building envelope but not for the landscape. APDesign is more than a building or it's environs. It is also a statement or attitutde about the broader professions to the largest public we serve. Let's get our act together about our environmental priorities, stewardship, and our responsibilities. If our College leads the nation in our academic output, let us also lead in the most fundamental ways.
I feel it is critical for APDesign to demostrate leadership in sustainable design regarding new buildings & development (and renovations when able) on the K-State campus. Not only as an example for the University and State of Kansas, but as a selling point for attracting bright & innovative students and faculty to our program.
Additionally, it would be an opportunity to engage current students and faculty regarding incorporating sustainable practices in design and construction. While aspiring to obtain certification for revitalized areas of Seaton, realistically, I am not optimistic that the funding would be available nor economically feasible to accomplish revitalization on current building to certification compliance level (at this time).
As stated previously, certification should not be the end goal for new design or renovation. This should not prevent responsible material sourcing and energy efficiency, and I understand that the certification will be beneficial for the image of the school to the legislature and the public. It would be perhaps relevant to consider how the future renovation and new building will be designed to be "storm-proof" (read: built to last) and innovative in its programmatic considerations first before pursuing certification.
Keep social sustainability in balance with the technological ones.
We should do what we can without sacrificing our current and future needs. It is of great importance that students, faculty and staff are able to operate efficiently. If we can do this and obtain various certifications, great, but not at the

Statistic	Value
Respondents	15

1

Rate the importance of obtaining some type of sustainable/stewardship/energy-conservation certification for the renovated APDesign Seaton Hall East Wing. (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		128	64.65%
2	2		55	27.78%
3	1		12	6.06%
4	0 (of no importance)		3	1.52%
	Total		198	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	1.44	0.46	0.68	198	198

2

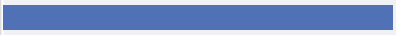
Rate the importance of obtaining some type of sustainable/stewardship/energy-conservation certification for the <u>new</u> APDesign building. (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		167	83.92%
2	2		23	11.56%
3	1		4	2.01%
4	0 (of no importance)		5	2.51%
	Total		199	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	1.23	0.37	0.61	199	199

3

Please select from the following the MINIMUM level of sustainable/stewardship certification that you think the Seaton Hall revitalization (renovation of Seaton Hall's East Wing) should achieve (check only one of the three options):

#	Answer	Bar	Response	%
1	(A) LEED Certification – LEED certification is the most common certification program in the U.S. and to achieve a high LEED rating (i.e. Platinum) buildings reach high standards for site systems, water use reduction, daylight, energy efficiency, air quality, and materials sourcing. LEED buildings must also be commissioned (i.e. monitored after occupation to ensure proper operation and occupant well-being) prior to certification.		135	68.18%
2	(B) Energy Star (or similar certification for all building appliances and the HVAC system) – Energy Star focuses on energy efficiency (rather than water, air, and environmental quality).		55	27.78%
3	(C) None - I do not feel certification is worth the cost and effort for the renovation.		8	4.04%
	Total		198	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	3	1.36	0.31	0.56	198	198

4

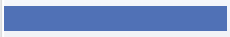
Please select from the following the MINIMUM level of sustainable/stewardship certification that you think the new Seaton Hall expansion (new APDesign building) should achieve (check only one of the four options):

#	Answer	Bar	Response	%
1	(A) Living Building Challenge – one of the most comprehensive certification programs that includes criteria beyond LEED certification, including net zero water usage (reduces water use and returns equal amount to watershed), carbon footprint management (accounts for embodied carbon in materials), and net zero energy building operation (building generates the same amount of energy it uses on an annual basis).		90	45.45%
2	(B) LEED Certification – LEED certification is the most common certification program in the U.S. and to achieve a high LEED rating (i.e. Platinum) buildings reach high standards for site systems, water use reduction, daylight, energy efficiency, air quality, and materials sourcing. LEED buildings must also be commissioned (i.e. monitored after occupation to ensure proper operation and occupant well-being) prior to certification.		88	44.44%
3	(C) Energy Star (or similar certification for all building appliances and the HVAC system) – Energy Star focuses on energy efficiency (rather than water, air, and environmental quality).		16	8.08%
4	(D) None - I do not feel certification is worth the cost and effort for the new building.		4	2.02%
	Total		198	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	1.67	0.51	0.71	198	198

5

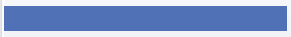
Rate the importance of obtaining LEED Platinum certification (which may cost an additional 5-8% of the construction cost) for the renovated APDesign Seaton Hall East Wing? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		78	39.20%
2	2		66	33.17%
3	1		38	19.10%
4	0 (of no importance)		17	8.54%
	Total		199	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	1.97	0.93	0.96	199	199

6

Rate the importance of obtaining LEED Gold certification (which may cost an additional 4-5.5% of the construction cost) for the renovated APDesign Seaton Hall East Wing? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		98	49.49%
2	2		63	31.82%
3	1		24	12.12%
4	0 (of no importance)		13	6.57%
	Total		198	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	1.76	0.82	0.91	198	198

7

Rate the importance of obtaining LEED Silver certification (which may cost an additional 2-3.5% of the construction cost) for the renovated APDesign Seaton Hall East Wing? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		122	61.31%
2	2		37	18.59%
3	1		28	14.07%
4	0 (of no importance)		12	6.03%
	Total		199	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	1.65	0.88	0.94	199	199

8

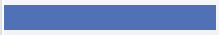
Rate the importance of obtaining Living Building certification (which would likely cost more money than LEED Platinum certification) for the new APDesign building? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		76	38.38%
2	2		51	25.76%
3	1		53	26.77%
4	0 (of no importance)		18	9.09%
	Total		198	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	2.07	1.02	1.01	198	198

9

Rate the importance of obtaining LEED Platinum certification (which may cost an additional 5-8% of the construction cost) for the new APDesign building? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		94	47.24%
2	2		74	37.19%
3	1		23	11.56%
4	0 (of no importance)		8	4.02%
	Total		199	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	1.72	0.68	0.82	199	199

10

Rate the importance of obtaining LEED Gold certification (which may cost an additional 4-5.5% of the construction cost) for the new APDesign building? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		119	60.71%
2	2		54	27.55%
3	1		13	6.63%
4	0 (of no importance)		10	5.10%
	Total		196	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	1.56	0.69	0.83	196	196

11

Rate the importance of obtaining LEED Silver certification (which may cost an additional 2-3.5% of the construction cost) for the new APDesign building? (please select one value)

#	Answer	Bar	Response	%
1	3 (of high importance)		131	66.16%
2	2		37	18.69%
3	1		19	9.60%
4	0 (of no importance)		11	5.56%
	Total		198	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	4	1.55	0.78	0.88	198	198

12

Should we seek some type of certification for the renovated portion of the APDesign building project?

#	Answer	Bar	Response	%
1	Yes		177	89.85%
2	No		20	10.15%
	Total		197	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	2	1.10	0.09	0.30	197	197

13

For design of the <u>new</u> APDesign building what building-related metrics should we aspire to (even if the university decides that we would not pursue certification)?

(select a maximum of two of the following)

#	Answer	Bar	Response	%
1	Living Building		98	50.26%
2	LEED - Platinum		97	49.74%
3	LEED - Gold		65	33.33%
4	LEED - Silver		23	11.79%
5	LEED - Certified		24	12.31%
6	Energy Star		21	10.77%
	Total		328	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	6	2.52	2.20	1.48	328	195

14

Should we seek Sustainable Sites certification for the landscape portion of the new building project?
Note: Sustainable Sites (SITES™) includes criteria for sustainable land practices to enable built landscapes to support natural ecological functions and regenerate ecological capacity. The SITES program does so by addressing site context, site assessment & planning, water, soil & vegetation, materials, human health & well-being, construction, operation & maintenance, and education & performance monitoring.

#	Answer	Bar	Response	%
1	Yes		172	87.76%
2	No		24	12.24%
	Total		196	100.00%

Min Value	Max Value	Average Value	Variance	Standard Deviation	Total Responses	Total Respondents
1	2	1.12	0.11	0.33	196	196

15

Are there any other certifications we should consider?

Text Entry
2030 Architecture Challenge
Not to my knowledge
No.
no
None.
There are RED list materials that I believe are not requirement for LEED but are materials that have been proven to have been produced responsibly by the manufacturers.
Not that I know of.
historical preservation of the original buildings in so far as it is structurally/aesthetically desireable.
SEED
Making the building functional in every possible both ecologically and physically
View More

Statistic	Value
Respondents	32

16

What role should our college play in addressing the 2030 Challenge?
Note that the 2030 Challenge asks that all new buildings, developments, and major renovations be designed to meet a fossil fuel, GHG-emitting, energy consumption performance standard of 60 percent below the regional (or country) average/median for that building type.

Text Entry
Yes.
This is irrelevant. It should set the bar higher. The point is that you get people to realize building needs to be more sustainable through setting the trend and realizing that it's not only helpful but necessary. Not through statistics, because then nobody cares still, that's where kstate comes in.
We should be pioneers. We should demonstrate the use of sustainable technologies as much as possible. This is the most important direction in which all of the design professions housed in Seaton are moving towards. It would be a disservice to us students and to the global community to not pursue the most sustainable and resilient options.
As an Architectural Design school who is seeking to be in the top 10 APDesign colleges, I think it is important for our college to support the future of design. In many of the classes that students take the professors are constantly encouraging sustainable design so it would only make sense that we, as a college, hold ourselves to the same standard.
We as the school of architecture and design should be leading the way.
I think we should try to go by the regulations of the 2030. It will show we are forward thinking as a college and teaching students that energy consumption performance is as important as making a building "look good".
The AP Design building should set the standard for sustainable design
We should meet and exceed the 2030 Challenge.
Considering this is the College of Architecture, Planning, and Design, we should help set an example for sustainable design. It is the job of designers today to put sustainability in the forefront of building design, so we should represent that in our own college's renovations and new building.
Should definately partake in this. APdesign is one of the best programs at Kansas State and should have one, if not the best most sustainible and revolutionary on campus.
View More

Statistic	Value
Respondents	79

17

Given the metrics we aspire to, please note potential funding opportunities to defray certification costs.

Text Entry
Ask for alumni support
Fundraisers
I'm no financial advisor, the best I can say is get people involved, get people invested in it and their community. Hold lectures that express the importance of living building standards in a world where industrialism is doomed to end but the flame needs to keep burning. Tell them in order to save our way of life we need to teach this way of design and the school needs to be a role model. Get manhattan involved too. Encourage the students to be activists towards the sustainable cause. Ultimately it takes the trend to be set for people to want to invest in their community and realize the importance of sustainablity and to not think sustainability is bullshit. Unfortunately that takes time.
donations
Modularize construction such that as we receive fund a module can be added on. Each module should be named after the donor. This will of course involve creative phasing.
You could hold an auction of student renderings, or work. Hold raffles and anything really.
I think raising money for a dedication space or possibly a crit room to honor the students lost in the class of 2014 would be a potential funding opportunity as well as a nice way recognize the deceased students, Denver Barr and Rachel Struder.
Use the architecture dept. student body as a labor force. It will give them first hand experience being part of a design team, researching sustainable measures, working with contractors and engineers, and constructing a building.
Get the community involved
Govt grants, international grants?, collaborations and partnerships with global private institutions that contribute to students quality of life (i.e. Starbucks, IHOP, Target)
View More

Statistic	Value
Respondents	42

18

What other thoughts do you have regarding certification for APDesign's new or revitalized buildings?

Text Entry
Please, don't let money be the reason were not role models for the future and an all around top university.
Make the outside look consistent with the existing Seaton Hall building and buildings on campus.
It would be beneficial to the reputation of the college and the departments. I know it would cost extra, but we have a responsibility as designers to do as much as we can.
If the leadership studies building was able to get LEED certified I think the college of architecture should really strive to get at least a LEED silver certification
They should be to the highest standards we can get.
As said above, the APdesign program is one of the best in the country and we should have a building that portrays this in structure, sustaibility and design of highest regard.
Other thoughts: the KS legislature should invest in education instead of whatever other efforts they are focused on currently.
There is a great of discussion of things changing, but that has been a discussion that has been had for many years. Now there is the addition of certification added to the discussion. It all seems like mere discussions, the only thing I ever see being done is talk. The football stadium was torn down and rebuilt in less than 3 years, and yet we still had a building that was nearly condemned because of the roof. It seems like we are not included on the of priorities of the University has.
I think it is very important to get certification. Not only will it help limit energy consumption, but it will also act as a model for what our program strives for.Gaining certification will also help with the "image" of the college and aid in future student recruitment and alumni funding.
n/a
View More

Statistic	Value
Respondents	55