



Green IT Survey Questionnaire May 2009 [PDF version of this survey](#)

Thank you for your participation in this study on key issues related to environmentally sustainable (or “green”) IT in higher education. This study updates and expands our community’s understanding of how institutions are responding to the challenges presented by global warming, unstable energy costs, the disposal of electronic equipment, and other environmental issues.

Environmental sustainability involves modifying practices and behaviors in ways that protect the Earth for future generations. Examples include energy conservation, recycling, and making environmentally aware purchasing decisions.

This survey should be completed by the senior-most IT leader at your institution assisted, when necessary, by other officers responsible for the information requested.

Responses will be kept confidential; only aggregate results will be reported. The survey consists of eight sections. Our testing suggests that it will require approximately 30 minutes to complete the survey. We recommend you use Internet Explorer. If you wish to preview the survey before completing it, a PDF version is available from the ECAR survey instruments website, <http://www.educause.edu/ECAR/ResearchPublications/SurveyInstruments/1004>

Our survey software allows you to:

> **Print.** To *print a blank copy of the survey* before completing it, click “PDF version of this survey” above. Once you have completed the online survey, you can print your responses by clicking the “Review” button at the end of the survey and selecting the “Print” option at the top of the page.

> **Save partially completed surveys.** To save and return to a partially completed survey, set a Favorite (Bookmark) for the survey and then click the “Save” button. If cookies are enabled in your browser, when you return to the survey you will be taken to the place you left off.

> **Revise, review, print, and save responses.** You may revise your answers until you click “Save” or “Finish.” To revise a response, use the “Back” and “Next” buttons to navigate through the survey. You may also review your answers before submitting them. When you reach the end of the survey, choose the “Review” button to review, print, and save your responses. ***We strongly suggest that you print and save your responses before you submit them.***

Please complete this survey by **Tuesday, June 16, 2009**. Once the study is complete, Key Findings will be available to all respondents from the ECAR website.

If you have any questions or concerns, please e-mail ecar@educause.edu. Click the “Next” button to begin the survey. And again, thank you for your time!

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EDUCAUSE CENTER FOR APPLIED RESEARCH

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Section 1: About You and Your Institution

1.1 Survey ID. *Required.* Obtain your survey ID from the e-mail invitation you received for this survey. _____

1.2 Your name. *Required.* _____

1.3 What is your primary role at your institution? *Required.*

- Senior-most IT leader (CIO or equivalent)
- Vice president/vice provost or equivalent, non-CIO
- Director of administrative computing or equivalent
- Director of academic computing or equivalent
- Other IT management
- Other administrative management
- Other academic management
- Other

1.4 Is the senior-most IT leader at your institution a member of the president/chancellor's cabinet?

- No
- Yes

1.5 Are you personally involved in the central IT organization's environmental sustainability initiatives?

- No
- Yes
- Does not apply

1.6 Are you personally involved in your institution's overall environmental sustainability initiatives?

- No
- Yes
- Does not apply

1.7 Which statement best describes your institution?

- Research and teaching are the primary missions, but research is what really drives faculty and institutional success.
- Research and teaching are both primary missions, and they are equally important for faculty and institutional success.
- Teaching is the primary mission, but faculty research is rewarded.
- Teaching is the primary mission, and faculty research does not factor heavily in faculty and institutional success.

1.8 At our institution, student opinion strongly influences executive decision making.

- | | | |
|--|----------------------------------|---|
| <input type="checkbox"/> Strongly disagree | <input type="checkbox"/> Neutral | <input type="checkbox"/> Strongly agree |
| <input type="checkbox"/> Disagree | <input type="checkbox"/> Agree | <input type="checkbox"/> Don't know |

1.9 In the past 12 months, our institution's financial situation has:

- | | | |
|--|--|---|
| <input type="checkbox"/> Worsened greatly | <input type="checkbox"/> Stayed about the same | <input type="checkbox"/> Improved greatly |
| <input type="checkbox"/> Worsened somewhat | <input type="checkbox"/> Improved somewhat | <input type="checkbox"/> Don't know |

Section 2: Your Institution and the Environment

2.1 Our institution's executive leadership places high priority on environmental sustainability.

- Strongly disagree Neutral Strongly agree
 Disagree Agree Don't know

2.2 At our institution, students place a high priority on environmental sustainability.

- Strongly disagree Neutral Strongly agree
 Disagree Agree Don't know

2.3 Has your president/chancellor signed the American College & University Presidents Climate Commitment (ACUPCC)? *Required.*

- No *Go to 2.5, 2.6*
 Yes *Go to 2.4, 2.5, 2.6*
 Don't know *Go to 2.5, 2.6*

2.4 When did your president/chancellor sign the ACUPCC?

- 2009 2008 2007 2006 Don't know

2.5 Our institution is actively engaged in environmental sustainability initiatives.

- Strongly disagree Neutral Strongly agree
 Disagree Agree Don't know

2.6 What is the status of your institution's strategic plan for environmental sustainability? *Required.*

- No plan *Go to 2.8–2.11*
 Plan is being developed *Go to 2.7, 2.8–2.11*
 Completed plan is part of the institution's overall strategic plan *Go to 2.7, 2.8–2.11*
 Completed plan is not part of the institution's overall strategic plan *Go to 2.7, 2.8–2.11*
 Don't know *Go to 2.8–2.11*

2.7 Does the institution's strategic plan for environmental sustainability specifically address the role of IT as a consumer of electrical power?

- No
 Yes
 Don't know

2.8 Which best describes how departments within your institution other than the central IT organization are billed for electrical power?

- Not billed and not informed of usage
 Not billed but informed of usage
 Flat fee
 Metered billing for actual usage
 Other
 Don't know

2.9 Has your institution undergone an energy audit within the past 12 months?

- No
 Some parts of the institution
 All parts of the institution
 Don't know

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2.10 Our institution’s environmental sustainability practices are:

	Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Don't know
a. Well organized						
b. Applied consistently						
c. Well documented						
d. Assessed regularly						
e. Closely aligned with the institution’s overall strategic objectives						

2.11 Does your institution produce any electrical power on site? Required.

- No *Go to 2.13*
- Yes *Go to 2.12, 2.13*
- Don't know *Go to 2.13*

2.12 Is any of the electrical power produced on site at your institution generated from renewable sources such as wind, solar, hydro, or biomass?

- No
- Yes
- Don't know

2.13 Has your institution established an office whose primary responsibility is oversight of overall environmental sustainability initiatives? Required.

- No *Go to 2.16*
- Yes *Go to 2.14, 2.15, 2.16*
- Don't know *Go to 2.16*

2.14 To which office does the head of the office overseeing environmental sustainability initiatives report?

- President/chancellor
- Executive vice president/vice chancellor
- Vice president/vice chancellor for academic affairs
- Vice president/vice chancellor for business affairs
- Vice president/vice chancellor for student affairs
- Vice president/vice chancellor for research
- Public affairs
- Facilities services
- Risk management
- Central IT
- Other

2.15 The head of the office overseeing environmental sustainability initiatives works closely with our institution’s senior-most IT leader.

- Strongly disagree
- Disagree
- Neutral
- Agree
- Strongly agree
- Don't know

2.16 Does your institution have a committee that guides environmental sustainability initiatives? Required.

- No *Go to 2.18, 2.19*
- Yes *Go to 2.17, 2.18, 2.19*
- Don't know *Go to 2.18, 2.19*

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2.17 Who sits on that committee? Select all that apply.

- a. Office of the president/chancellor
- b. Office of the executive vice president/vice chancellor
- c. Academic affairs
- d. Business affairs
- e. Student affairs
- f. Research
- g. Public affairs
- h. Facilities services
- i. Risk management
- j. Central IT
- k. Health services
- l. Academic departments
- m. Faculty
- n. Students
- o. Public utilities (suppliers)
- p. Other

2.18 Does your institution provide education about environmental sustainability practices outside the academic curriculum?

	No	Yes	Don't know
a. For faculty			
b. For staff			
c. For students			

2.19 In the past 12 months, our institution's environmental sustainability initiatives have remained unaffected by pressures related to the economy.

- Strongly disagree
- Disagree
- Neutral
- Agree
- Strongly agree
- Don't know

Section 3: Institutional Initiatives and Central IT

3.1 Is your institution actively engaged in adopting alternative (clean/renewable) sources of electrical power? *Required.*

- No *Go to 3.5, 3.6*
- Yes *Go to 3.2, 3.3, 3.4, 3.5, 3.6*
- Don't know *Go to 3.5, 3.6*

3.2 What is the status of your institution's documented goals for this initiative?

- No documented goals
- Documented goals are in place but progress is not measured
- Documented goals are in place and progress is measured
- Don't know

3.3 Does your institution provide financial incentives such as payments or reductions in charges to departments that participate in this initiative?

- No
- Yes
- Don't know

3.4 In what ways does your central IT organization support the institution's adoption of alternative sources of electrical power?

	No	Yes	Don't know
a. By participating in the initiative within the central IT organization			
b. By educating departments/individuals <u>outside</u> central IT about the initiative			
c. By providing technology solutions/services that support the initiative to departments/individuals <u>outside</u> central IT			

3.5 What is the status of your central IT organization's own initiative to adopt alternative sources of electrical power?

- No such initiative
- Initiative is underway with no documented goals
- Initiative is underway with documented goals in place but progress is not measured
- Initiative is underway with documented goals in place and progress is measured
- Initiative is completed
- Don't know

3.6 Is your institution actively engaged in minimizing growth in total electrical energy consumption? *Required.*

- No *Go to 3.10, 3.11*
- Yes *Go to 3.7, 3.8, 3.9, 3.10, 3.11*
- Don't know *Go to 3.10, 3.11*

3.7 What is the status of your institution's documented goals for this initiative?

- No documented goals
- Documented goals are in place but progress is not measured
- Documented goals are in place and progress is measured
- Don't know

3.8 Does your institution provide financial incentives such as payments or reductions in charges to departments that participate in this initiative?

- No
- Yes
- Don't know

3.9 In what ways does your central IT organization support the institution in minimizing growth in total electrical energy consumption?

	No	Yes	Don't know
a. By participating in the initiative within the central IT organization			
b. By educating departments/individuals <u>outside</u> central IT about the initiative			
c. By providing technology solutions/services that support the initiative to departments/individuals <u>outside</u> central IT			

3.10 What is the status of your central IT organization's own initiative to minimize growth in its own total electrical energy consumption?

- No such initiative
- Initiative is underway with no documented goals
- Initiative is underway with documented goals in place but progress is not measured
- Initiative is underway with documented goals in place and progress is measured
- Initiative is completed
- Don't know

3.11 Is your institution actively engaged in recycling decommissioned IT equipment (e-waste)? *Required.*

- No *Go to 3.15, 3.16*
- Yes *Go to 3.12, 3.13, 3.14, 3.15, 3.16*
- Don't know *Go to 3.15, 3.16*

3.12 What is the status of your institution's documented goals for this initiative?

- No documented goals
- Documented goals are in place but progress is not measured
- Documented goals are in place and progress is measured
- Don't know

3.13 Does your institution provide financial incentives such as payments or reductions in charges to departments that participate in this initiative?

- No
- Yes
- Don't know

3.14 In what ways does your central IT organization support the institution's recycling of decommissioned IT equipment?

	No	Yes	Don't know
a. By participating in the initiative within the central IT organization			
b. By educating departments/individuals <u>outside</u> central IT about the initiative			
c. By providing technology solutions/services that support the initiative to departments/individuals <u>outside</u> central IT			

3.15 What is the status of your central IT organization's own initiative to recycle decommissioned IT equipment?

- No such initiative
- Initiative is underway with no documented goals
- Initiative is underway with documented goals in place but progress is not measured
- Initiative is underway with documented goals in place and progress is measured
- Initiative is completed
- Don't know

3.16 Is your institution actively engaged in complying with the U.S. Green Building Council's LEED standards for new construction? *Required.*

- No *Go to 3.20, 3.21*
- Yes *Go to 3.17, 3.18, 3.19, 3.20, 3.21*
- Don't know *Go to 3.20, 3.21*

3.17 What is the status of your institution's documented goals for this initiative?

- No documented goals
- Documented goals are in place but progress is not measured
- Documented goals are in place and progress is measured
- Don't know

3.18 Does your institution provide financial incentives such as payments or reductions in charges to departments that participate in this initiative?

- No
- Yes
- Don't know

3.19 In what ways does your central IT organization support your institution's compliance with LEED standards?

	No	Yes	Don't know
a. By participating in the initiative within the central IT organization			
b. By educating departments/individuals <u>outside</u> central IT about the initiative			
c. By providing technology solutions/services that support the initiative to departments/individuals <u>outside</u> central IT			

3.20 What is the status of your central IT organization's own initiative to comply with LEED standards?

- No such initiative
- Initiative is underway with no documented goals
- Initiative is underway with documented goals in place but progress is not measured
- Initiative is underway with documented goals in place and progress is measured
- Initiative is completed
- Don't know

3.21 Is your institution actively engaged in purchasing ENERGY STAR–certified products in all areas for which such ratings exist? *Required.*

- No *Go to 3.25, 3.26*
- Yes *Go to 3.22, 3.23, 3.24, 3.25, 3.26*
- Don't know *Go to 3.25, 3.26*

3.22 What is the status of your institution’s documented goals for this initiative?

- No documented goals
- Documented goals are in place but progress is not measured
- Documented goals are in place and progress is measured
- Don’t know

3.23 Does your institution provide financial incentives such as payments or reductions in charges to departments that participate in this initiative?

- No
- Yes
- Don’t know

3.24 In what ways does your central IT organization support the institution’s purchase of ENERGY STAR–certified products?

	No	Yes	Don’t know
a. By participating in the initiative within the central IT organization			
b. By educating departments/individuals <u>outside</u> central IT about the initiative			
c. By providing technology solutions/services that support the initiative to departments/individuals <u>outside</u> central IT			

3.25 What is the status of your central IT organization's own initiative to purchase ENERGY STAR–certified products?

- No such initiative
- Initiative is underway with no documented goals
- Initiative is underway with documented goals in place but progress is not measured
- Initiative is underway with documented goals in place and progress is measured
- Initiative is completed
- Don’t know

3.26 Is your institution actively engaged in purchasing computers and/or monitors with EPEAT ratings of silver or better? *Required.*

- No *Go to 3.30, 3.31*
- Yes *Go to 3.27, 3.28, 3.29, 3.30, 3.31*
- Don’t know *Go to 3.30, 3.31*

3.27 What is the status of your institution’s documented goals for this initiative?

- No documented goals
- Documented goals are in place but progress is not measured
- Documented goals are in place and progress is measured
- Don’t know

3.28 Does your institution provide financial incentives such as payments or reductions in charges to departments that participate in this initiative?

- No
- Yes
- Don’t know

3.29 In what ways does your central IT organization support the institution's purchase of computers and/or monitors with EPEAT ratings of silver or better?

	No	Yes	Don't know
a. By participating in the initiative within the central IT organization			
b. By educating departments/individuals <u>outside</u> central IT about the initiative			
c. By providing technology solutions/services that support the initiative to departments/individuals <u>outside</u> central IT			

3.30 What is the status of your central IT organization's own initiative to purchase computers and/or monitors with EPEAT ratings of silver or better?

- No such initiative
- Initiative is underway with no documented goals
- Initiative is underway with documented goals in place but progress is not measured
- Initiative is underway with documented goals in place and progress is measured
- Initiative is completed
- Don't know

3.31 Is your institution actively engaged in converting from paper document storage to digitally imaged document storage? *Required.*

- No *Go to 3.35, 3.36*
- Yes *Go to 3.32, 3.33, 3.34, 3.35, 3.36*
- Don't know *Go to 3.35, 3.36*

3.32 What is the status of your institution's documented goals for this initiative?

- No documented goals
- Documented goals are in place but progress is not measured
- Documented goals are in place and progress is measured
- Don't know

3.33 Does your institution provide financial incentives such as payments or reductions in charges to departments that participate in this initiative?

- No
- Yes
- Don't know

3.34 In what ways does your central IT organization support the institution's conversion from paper document storage to digitally imaged document storage?

	No	Yes	Don't know
a. By participating in the initiative within the central IT organization			
b. By educating departments/individuals <u>outside</u> central IT about the initiative			
c. By providing technology solutions/services that support the initiative to departments/individuals <u>outside</u> central IT			

3.35 What is the status of your central IT organization's own initiative to convert from paper document storage to digitally imaged document storage?

- No such initiative
- Initiative is underway with no documented goals
- Initiative is underway with documented goals in place but progress is not measured
- Initiative is underway with documented goals in place and progress is measured
- Initiative is completed
- Don't know

3.36 Is your institution actively engaged in reducing staff travel through videoconferencing? Required.

- No *Go to 3.40, 3.41*
- Yes *Go to 3.37, 3.38, 3.39, 3.40, 3.41*
- Don't know *Go to 3.40, 3.41*

3.37 What is the status of your institution's documented goals for this initiative?

- No documented goals
- Documented goals are in place but progress is not measured
- Documented goals are in place and progress is measured
- Don't know

3.38 Does your institution provide financial incentives such as payments or reductions in charges to departments that participate in this initiative?

- No
- Yes
- Don't know

3.39 In what ways does your central IT organization support the institution's reduction of staff travel through videoconferencing?

	No	Yes	Don't know
a. By participating in the initiative within the central IT organization			
b. By educating departments/individuals <u>outside</u> central IT about the initiative			
c. By providing technology solutions/services that support the initiative to departments/individuals <u>outside</u> central IT			

3.40 What is the status of your central IT organization's own initiative to reduce central IT staff travel through videoconferencing?

- No such initiative
- Initiative is underway with no documented goals
- Initiative is underway with documented goals in place but progress is not measured
- Initiative is underway with documented goals in place and progress is measured
- Initiative is completed
- Don't know

3.41 Is your institution actively engaged in adopting virtual classrooms as an energy-saving alternative to on-campus classroom instruction? Required.

- No *Go to 3.45*
- Yes *Go to 3.42, 3.43, 3.44, 3.45*
- Don't know *Go to 3.45*

3.42 What is the status of your institution's documented goals for this initiative?

- No documented goals
- Documented goals are in place but progress is not measured
- Documented goals are in place and progress is measured
- Don't know

3.43 Does your institution provide financial incentives such as payments or reductions in charges to departments that participate in this initiative?

- No
- Yes
- Don't know

3.44 In what ways does your central IT organization support the institution's adoption of virtual classrooms?

	No	Yes	Don't know
a. By participating in the initiative within the central IT organization			
b. By educating departments/individuals <u>outside</u> central IT about the initiative			
c. By providing technology solutions/services that support the initiative to departments/individuals <u>outside</u> central IT			

3.45 What is the status of your central IT organization's own initiative to adopt virtual classrooms?

- No such initiative
- Initiative is underway with no documented goals
- Initiative is underway with documented goals in place but progress is not measured
- Initiative is underway with documented goals in place and progress is measured
- Initiative is completed
- Don't know

3.46 Is your institution actively engaged in adopting telecommuting as an energy-saving way for employees to work? *Required.*

- No *Go to 3.50, Section 4*
- Yes *Go to 3.47, 3.48, 3.49, 3.50, Section 4*
- Don't know *Go to 3.50, Section 4*

3.47 What is the status of your institution's documented goals for this initiative?

- No documented goals
- Documented goals are in place but progress is not measured
- Documented goals are in place and progress is measured
- Don't know

3.48 Does your institution provide financial incentives such as payments or reductions in charges to departments that participate in this initiative?

- No
- Yes
- Don't know

3.49 In what ways does your central IT organization support the institution's adoption of telecommuting?

	No	Yes	Don't know
a. By participating in the initiative within the central IT organization			
b. By educating departments/individuals <u>outside</u> central IT about the initiative			
c. By providing technology solutions/services that support the initiative to departments/individuals <u>outside</u> central IT			

3.50 What is the status of your central IT organization's initiative to adopt telecommuting for its own staff?

- No such initiative
- Initiative is underway with no documented goals
- Initiative is underway with documented goals in place but progress is not measured
- Initiative is underway with documented goals in place and progress is measured
- Initiative is completed
- Don't know

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Section 4: The Central IT Organization

4.1 Our institution's senior-most IT leader places high priority on environmental sustainability.

- Strongly disagree Neutral Strongly agree
 Disagree Agree Don't know

4.2 Which best characterizes the senior-most IT leader's role in the institution's environmental sustainability efforts?

- No role Participant Leader
 Observer Advisor

4.3 Our central IT organization is actively engaged in environmental sustainability initiatives.

- Strongly disagree Neutral Strongly agree
 Disagree Agree Don't know

4.4 What is the status of the central IT organization's strategic plan for environmental sustainability?

- No plan
 Plan is being developed
 Completed plan is part of the central IT organization's overall strategic plan
 Completed plan is not part of the central IT organization's overall strategic plan
 Don't know

4.5 Which best describes how the central IT organization is billed for electrical power?

- Not billed and not informed of usage
 Not billed but informed of usage
 Flat fee
 Metered billing for actual usage
 Other
 Don't know

4.6 Which central IT facilities have undergone an energy audit within the past 12 months?

- None
 Some, not including facilities that house servers
 Some, including some facilities that house servers
 Some, including all facilities that house servers
 All
 Don't know

4.7 What are the primary drivers of your central IT organization's environmental sustainability efforts? *Select up to three.*

- a. Participation in institutional initiatives
 b. Doing "what's right" for the planet
 c. Cost reduction/increased efficiency
 d. Power/cooling constraints in existing facilities
 e. Compliance with legal and regulatory requirements
 f. Compliance with institutional or system policy requirements
 g. Improving public relations
 h. Recruiting environmentally concerned IT staff
 i. Responding to concerns of internal constituents (faculty, staff, students)
 j. Achieving central IT organization's strategic objectives
 k. Other

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4.8 What are the primary barriers to your central IT organization’s environmental sustainability efforts? Select up to three.

- a. Lack of adequate funding for central IT overall
- b. Lack of adequate funding for central IT’s environmental sustainability efforts
- c. Lack of return on investment
- d. Lack of participation from necessary individuals/departments
- e. Environmentally unconcerned institutional culture
- f. Environmentally unconcerned central IT organizational culture
- g. Lack of guidance from institutional strategic objectives
- h. Lack of guidance from central IT strategic objectives
- i. Difficulty developing central IT policies and procedures
- j. Central IT’s environmental impacts are not considered significant
- k. Other

4.9 Our central IT organization’s environmental sustainability practices are:

	Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Don't know
a. Well organized						
b. Applied consistently						
c. Well documented						
d. Assessed regularly						
e. Closely aligned with central IT strategic objectives						
f. Closely aligned with <u>institutional</u> strategic objectives						

4.10 Does the central IT organization pay a premium to receive more of its electrical power from renewable sources such as wind, solar, hydro, or biomass than is ordinarily supplied by the institution? Required.

- No *Go to 4.11, 4.12*
- Yes *Go to 4.12*
- Don't know *Go to 4.11, 4.12*

4.11 In the next three years, do you expect your central IT organization to begin paying a premium to receive more of its electrical power from renewable sources such as wind, solar, hydro, or biomass than is ordinarily supplied by the institution?

- No
- Yes
- Don't know

4.12 In pursuing its environmental sustainability goals, has your central IT organization contracted to co-locate some or all of its own equipment near facilities that generate electrical power from renewable sources? Required.

- No *Go to 4.13, 4.14*
- Yes *Go to 4.14*
- Don't know *Go to 4.13, 4.14*

4.13 In the next three years, to pursue its environmental sustainability goals, do you expect your central IT organization to begin contracting to co-locate some or all of its equipment near facilities that generate electrical power from renewable sources?

- No
- Yes
- Don't know

4.14 In pursuing its environmental sustainability goals, has your central IT organization outsourced any services to providers who locate their equipment near facilities that generate electrical power from renewable sources? *Required.*

- No *Go to 4.15, 4.16–4.19*
- Yes *Go to 4.16–4.19*
- Don't know *Go to 4.15, 4.16–4.19*

4.15 In the next three years, to pursue its environmental sustainability goals, do you expect your central IT organization to begin outsourcing any services to providers who locate their equipment near facilities that generate electrical power from renewable resources?

- No
- Yes
- Don't know

4.16 How many central IT staff are assigned to overseeing that organization's environmental sustainability initiatives?

- None
- Less than 1 FTE
- 1 FTE
- More than 1 FTE
- Don't know

4.17 Does your central IT organization have an internal committee that guides its environmental sustainability initiatives?

- No
- These initiatives are guided by a committee/s that also guide/s other initiatives.
- These initiatives are guided by a committee/s that guide/s only environmental sustainability initiatives.
- Don't know

4.18 In our central IT organization, environmental sustainability is:

- Not a significant factor in IT purchasing decisions
- A significant factor in a few IT purchasing decisions
- A significant factor in many IT purchasing decisions
- A significant factor in most IT purchasing decisions
- A significant factor in all or nearly all IT purchasing decisions
- Don't know

4.19 In the past 12 months, our central IT organization's environmental sustainability initiatives have remained unaffected by pressures related to the economy.

- Strongly disagree
- Disagree
- Neutral
- Agree
- Strongly agree
- Don't know

Section 5: The Central IT Data Center

Definition: We understand that central IT may have several separate facilities that house servers. For the questions below please consider “central IT data center” to mean the aggregate of those facilities.

5.1 Does your institution have a central IT data center on site? *Required.*

- No *Go to Section 6*
- Yes *Go to 5.2, 5.3, 5.4, 5.5*

5.2 What is the average age of the servers in the central IT data center?

- Don't know
- Less than 1 year
- 1 year
- 2 years
- 3 years
- 4 years
- 5 years
- 6 years
- 7 years
- 8 years
- 9 years
- 10 years
- More than 10 years

5.3 Approximately what percentage of your central IT data center's electrical power capacity is now in use?

- Don't know
- 0%
- 1%
- 2%
- 3%
- 4%
- 5%
- 6%
- 7%
- 8%
- 9%
- 10%
- 11%
- 12%
- 13%
- 14%
- 15%
- 16%
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- 35%
- 36%
- 37%
- 38%
- 39%
- 40%
- 41%
- 42%
- 43%
- 44%
- 45%
- 46%
- 47%
- 48%
- 49%
- 50%
- 51%
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- 97%
- 98%
- 99%
- 100%

5.4 Is any component of the existing central IT data center certified under the U.S. Green Building Council's LEED Green Building Rating System?

- No components
- A small number of components
- A moderate number of components
- A large number of components
- All or almost all components
- Don't know

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5.5 Will the current central IT data center undergo major remodeling in the next three years? Required.

- No *Go to 5.7*
- Yes *Go to 5.6, 5.7*
- Don't know *Go to 5.7*

5.6 Is LEED certification a goal for the remodeled central IT data center?

- No
- Yes
- Don't know

5.7 Will the current central IT data center occupy a new building in the next three years? Required.

- No *Go to 5.9*
- Yes *Go to 5.8, 5.9*
- Don't know *Go to 5.9*

5.8 Is LEED certification a goal for the new central IT data center?

- No
- Yes
- Don't know

5.9 What is the status of the following environmental sustainability initiatives in the central IT data center?

	Not planning to do	Planned for the future	Work is in progress	Work was completed within the past 12 months	Work was completed more than 12 months ago	Don't know
a. Optimizing the number of servers through <u>consolidation</u>						
b. Optimizing the number of servers through <u>virtualization</u>						
c. Replacing local storage with central storage technologies such as a storage area network						
d. Installing more efficient air temperature management equipment						
e. Raising machine room thermostat settings						
f. Repositioning devices into alternating hot/cool rows						
g. Reengineering floor vents for more effective airflow						
h. Increasing use of outside air for machine room cooling						
i. Reducing lighting levels						

Section 6: Distributed IT

6.1 Does your institution have any IT facilities (e.g., departmental data centers and computing labs) that are not managed by the central IT organization? Required.

- No *Go to Section 7*
- Yes *Go to 6.2–6.5*
- Don't know *Go to Section 7*

6.2 Have your institution's non-central-IT computing facilities undergone an energy audit in the past 12 months?

- No
- Some non-central-IT computing facilities
- All non-central-IT computing facilities
- Don't know

6.3 Overall, the quality of communication at our institution between the central IT organization and those who manage non-central-IT computing facilities is:

- Very poor
- Poor
- Neither poor nor good
- Good
- Very good
- Don't know

6.4 What is the status of the following environmental sustainability initiatives for non-central-IT facilities (e.g., departmental data centers and computing labs)?

	Not happening	Occurring ad hoc within departments	Coordinated by central IT organization	Coordinated by institutional environmental sustainability office	Coordinated by other institutional office	Don't know
a. Optimizing the number of servers through <u>consolidation</u>						
b. Optimizing the number of servers through <u>virtualization</u>						
c. Minimizing growth in total electrical energy consumption						
d. Recycling decommissioned IT equipment (e-waste)						
e. Adopting more aggressive power - management practices for servers						
f. Adopting more aggressive power-management practices for PCs						
g. Purchasing ENERGY STAR–certified products in all areas for which such ratings exist						
h. Purchasing computers/monitors with EPEAT rating of silver or better						

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6.5 Does your institution have a documented, standard refresh cycle for faculty/staff workstations? *Required.*

- No *Go to 6.9, 6.10*
- Yes *Go to 6.6, 6.7, 6.8, 6.9, 6.10*
- Don't know *Go to 6.9, 6.10*

6.6 How consistently is your institution's refresh cycle applied?

- Very inconsistently
- Somewhat inconsistently
- Neither inconsistently nor consistently
- Somewhat consistently
- Very consistently
- Don't know

6.7 What is the approximate length of your institution's refresh cycle?

- Less than 2 years
- 2 years
- 3 years
- 4 years
- 5 years
- More than 5 years
- Don't know

6.8 Has your institution's standard refresh cycle for faculty/staff PCs changed in the past 12 months?

- Shortened (more-frequent refresh)
- No change
- Lengthened (less-frequent refresh)
- Don't know

6.9 What best describes your institution's current mix of desktop and laptop computers for faculty and staff?

- All or nearly all desktops
- Mostly desktops
- An even mix
- Mostly laptops
- All or nearly all laptops
- Don't know

6.10 Does your institution have an initiative in place to transition from desktop computers to laptop computers when refreshing faculty/staff computers? *Required.*

- No *Go to 6.12, 6.13*
- Yes, in some units *Go to 6.11, 6.12, 6.13*
- Yes, in all or almost all units *Go to 6.11, 6.12, 6.13*
- Don't know *Go to 6.12, 6.13*

6.11 What is the primary driver of this transition from desktop computers to laptop computers?

- Economic considerations
- Environmental sustainability considerations
- Other considerations
- Don't know

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6.12 What best describes your institution's current mix of full-function PCs and thin clients as computing devices for staff?

- All or nearly all full-function
- Mostly full-function
- An even mix
- Mostly thin-client
- All or nearly all thin-client
- Don't know

6.13 Does your institution have an initiative in place to transition from full-function computers to thin clients when refreshing computing devices for staff? *Required.*

- No *Go to 6.15, 6.16*
- Yes, in some units *Go to 6.14, 6.15, 6.16*
- Yes, in all or almost all units *Go to 6.14, 6.15, 6.16*
- Don't know *Go to 6.15, 6.16*

6.14 What is the primary driver of this transition from full-function computers to thin client computers?

- Economic considerations
- Environmental sustainability considerations
- Other considerations
- Don't know

6.15 What best describes your institution's current mix of cathode ray tube (CRT) monitors and liquid crystal display (LCD) monitors for faculty/staff computing devices?

- All or nearly all CRT
- Mostly CRT
- An even mix
- Mostly LCD
- All or nearly all LCD
- Don't know

6.16 Does your institution have an initiative in place to transition from CRT monitors to LCD monitors when refreshing faculty/staff computing devices? *Required.*

- No *Go to Section 7*
- Yes, in some units *Go to 6.17, then Section 7*
- Yes, in all or almost all units *Go to 6.17, then Section 7*
- Don't know *Go to Section 7*

6.17 What is the primary driver of this transition from CRT monitors to LCD monitors?

- Economic considerations
- Environmental sustainability considerations
- Other considerations
- Don't know

Section 7: Outcomes

7.1 Most individuals at our institution are well informed about general environmental sustainability issues.

- Strongly disagree Neutral Strongly agree
 Disagree Agree Don't know

7.2 Most individuals at our institution are well informed about environmental sustainability issues related to IT.

- Strongly disagree Neutral Strongly agree
 Disagree Agree Don't know

7.3 In your judgment, how has participation of these groups in the institution's IT-related environmental sustainability initiatives changed in the past 12 months?

	Greatly decreased	Decreased	Stayed the same	Increased	Greatly increased	Don't know
a. Faculty						
b. Staff						
c. Students						

7.4 In your judgment, how has the energy efficiency of the overall institution (e.g., watts/credit hour) changed in the past 12 months?

- Greatly decreased Stayed the same Greatly increased
 Decreased Increased Don't know

7.5 In your judgment, how has the energy efficiency of the central IT data center (e.g., watts/MIPS) changed in the past 12 months?

- Greatly decreased Increased Does not apply
 Decreased Greatly increased
 Stayed the same Don't know

7.6 In your judgment, how has the amount of material the institution recycles changed in the past 12 months?

- Greatly decreased Stayed the same Greatly increased
 Decreased Increased Don't know

7.7 In your judgment, how has the amount of material the central IT organization recycles changed in the past 12 months?

- Greatly decreased Stayed the same Greatly increased
 Decreased Increased Don't know

7.8 In the past 12 months, our institution has significantly changed its business activities to become more environmentally responsible.

- Strongly disagree Neutral Strongly agree
 Disagree Agree Don't know

7.9 In the past 12 months, our institution has significantly changed its instructional activities to become more environmentally responsible.

- Strongly disagree Neutral Strongly agree
 Disagree Agree Don't know

7.10 In the past 12 months, our institution has significantly changed its research activities to become more environmentally responsible.

- | | | |
|--|---|-------------------------------------|
| <input type="checkbox"/> Strongly disagree | <input type="checkbox"/> Agree | <input type="checkbox"/> Don't know |
| <input type="checkbox"/> Disagree | <input type="checkbox"/> Strongly agree | |
| <input type="checkbox"/> Neutral | <input type="checkbox"/> Does not apply | |

7.11 In general, our faculty, staff, and students are proud of our institution's stance on environmental sustainability.

- | | | |
|--|----------------------------------|---|
| <input type="checkbox"/> Strongly disagree | <input type="checkbox"/> Neutral | <input type="checkbox"/> Strongly agree |
| <input type="checkbox"/> Disagree | <input type="checkbox"/> Agree | <input type="checkbox"/> Don't know |

Section 8: Conclusion

8.1 EDUCAUSE plans to conduct follow-up interviews with some institutions to probe further into IT-related environmental sustainability practices. Would you be willing to participate in a follow-up interview? *Required.*

No *Go to 8.3, 8.4*

Yes *Go to 8.2, 8.3, 8.4*

8.2 What is your e-mail address? _____

8.3 If you have any other comments or insights about IT-related environmental sustainability practices, please share them with us.

8.4 We are committed to continually improving our surveys. All comments are welcome and will be considered._____

Thank you. Just one more step!

Click "Finish" to submit your survey.

Once you click "Finish," you will see confirmation that your survey has been submitted.

We strongly suggest that you save and print your responses to this survey. You must do this before clicking "Finish." To save and print, click "Review" at the bottom of this page. Then click "Print" and "Save Summary" at the top of the next screen, where you may also review your responses. Then click "Return to Survey" and click "Finish" at the bottom of this page.

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<http://www.educause.edu/ecar/>

If you have any questions or concerns, please e-mail

ecar@educause.edu

– END SURVEY –