Ball State University Unit-level Sustainability Planning

[as mandated in Goal IV_F of the 2007-2012 Ball State University Strategic Plan]

A Sustainability Plan

for the

Directorship of Dr. David Williams and Dr. Vickie Barton Indiana Academy for Science, Mathematics, and Humanities Teachers College Vice-Presidency of Dr. Terry King

Submitted to
Dr. Terry King
Provost and Vice-President for Academic Affairs

31 January, 2008

[on or before]

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Achievements to Date

The following are our short-form question responses within the categories of Governance and Administration, Operations, Curriculum and Research, and Community Service and Outreach. In developing these short-form responses, we are pleased to report significant achievements in these areas and have identified opportunities for further development/transformation.

[Provide brief descriptions for each affirmative or goal response]

Governance and Administration
Y N Goal X 1. The unit has standing committees to address issues of sustainability.
To address issues and initiate further sustainability activities a Sustainability Committee will be established before the end of the 2007-08 academic year.
 Y N Goal X 2. The unit gives assigned load and/or a staff position dedicated to sustainability initiatives.
No monies are available to provide an assigned load or staff position dedicated to sustainability initiatives. Monitoring and assessing the sustainability plan will be the responsibility of the Sustainability Committee.
Y N Goal X 3. The unit has established policies that encourage sustainability initiatives.
The Indiana Academy will begin establishing policies recommended by its Sustainability Committee and approved by the Executive Co-directors by the end of the 2007-08 academic year.
Y N Goal X 4. The unit has sustainability integrated into its mission statement.
Before the end of the 2008-09 academic year, the Indiana Academy Strategic Planning Committee will study the possibility of sustainability being integrated into its mission statement.
Y N Goal X
The Indiana Academy faculty, staff, and students will be made aware, as part of a sustainability plan, of the University's membership in the Association or the Advancement of Sustainability in Highe Education and encouraged to logon to the AASHE website to make use of the available resources.
Y N Goal N Goal 6. The unit encourages and rewards research related to sustainability.
Indiana Academy faculty are not typically involved in research of this type.
Y N Goal Y D To The unit encourages and rewards the integration of sustainability issues into Unit Name Ball State University Unit-level Sustainability Planning Date Page 3 of 22

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course	mai	teri	ลไ	

As part of the Indiana Academy sustainability plan to be initiated before the end of the 2007-08 academic year, faculty will be encouraged to use and asked to develop a plan to integrate sustainability issues into their course material when possible.

Unit Name	
Date	

Operations Y N Goal	
□ □ X 1.	The unit purchases/uses Energy Star Office and Telecommunications Equipment.
re	efore the end of the 2007-08 academic year, information on Energy Star rated equipment will be quested through University purchasing to determine its efficacy in including it in the Indiana cademy's sustainability plan.
Y N Goal X 2.	The unit has policies to restrict paper use.
	s part of the Indiana Academy sustainability plan to be initiated before the end of the 2007-08 cademic year, a plan will be developed to reduce paper use.
Y N Goal X \[\] \[\] 3	. The unit uses recycled paper.
W	We use the 30% recycled content paper made available through central stores.
Y N Goal X	. The unit recycles all materials accepted by the university system.
di	here is some use of the University's co-mingled recycling waste system; Recycling containers for fferent materials are present in some of the Academy facilities. More information and recycling ns are needed to mazimize recycling efforts.
Y N Goal Y 5	. The unit has appropriate recycling bins throughout its offices.
	ome offices have dual waste recepticles to separate garbage from co-mingled recyclable materials. For are needed for the public areas and offices that do not have the dual waste recepticles.
Y N Goal Y	. The unit has policies that encourage the use of teleconferencing capabilities to limit travel.
	aculty and staff are encouraged to use electronic/virtual means to communicate with others who are a stance away.
Y N Goal X 7.	The unit specifies hybrid electric vehicles for travel.
	s part of the Indiana Academy sustainability plan, hybrid vehicles will be requested for travel when ey can accommodate the number of travelers.
Y N Goal X S	. The unit shows preference for sustainable lodging for professional travel.
	ustainable lodging will need to be investigated by the Sustainability Committee regarding its oplication to the needs of Academy travel.
Y N Goal	
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□ □ X	9. The unit uses washable dinner/service ware for its meetings/receptions.
	The Indiana Academy will request washable dinner/service ware for its meetings and functions when appropriate.
Y N Go	_
X	10. The unit purchases/uses remanufactured office furniture.
	The purchasing of remanufactured office furniture will need to be investigated by the Sustainability Committee. At present, furnture is requested based on the recommendations of the Unversity purchasing.
Y N Go	al 11. The unit purchases/uses sustainable materials for office furnishings.
	The purchasing of sustainable materials offices will need to be investigated by the Sustainability Committee. At present, such materials are requested based on the recommendations of the University purchasing.
Y N Go	12. The unit discourages the use of single-occupant automobile travel.
	Although carpooling for travel when possible is a policy of the Academy, it needs to be included as part of the Academy's sustainability plan.
Y N Go	13. Classroom, Office and/or Restroom lighting for the unit is controlled by occupancy sensors.
	A request will be made before the end of the 2007-08 for a specification of the costs and possibilities of installing occupancy sensors. If sensors can be installed at no cost or low cost to the Academy, they will be requested.
Y N Go	[14] 14. The unit's thermostats are set to minimize energy use for heating and cooling.
	Most of the thermostats at the Indiana Academy are set by Facilities' Management. The thermostats at the Academy House are the only ones that can be changed by Academy personnel. They are set at the lowest comfort level.
Curricul	<u>ım</u>
Y N Go	al 1. The unit has courses dedicated to issues related to sustainability.
	The Indiana Academy has courses in Ecology and AP Evironmental Science available to all students.
Y N GO	2. The unit has courses with sustainability content.
	The Indiana Academy has courses in Ecology and AP Evironmental Science available to all students.
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Y X	N Goal 3. The unit has courses in which students are encouraged to address sustainability issues in their assignments.
	The Indiana Academy has courses in Ecology and AP Evironmental Science available to all students.
Y X	N Goal 4. The unit recognizes sustainability courses from other departments as legitimate electives for credit in its programs.
	Indiana Academy students may take courses with sustainability content from departments at BSU.
Y X	N Goal 5. The unit has dedicated sustainability courses that can be taken for credit as part of a major or minor outside of the unit.
	Not applicable to the Indiana Academy.

Resear	<u>rch</u>
Y N X	Goal 1. Members of the unit have conducted research on issues of sustainability in their discipline.
	Indiana Academy faculty are not typically involved in research of this type.
Y N X	Goal 2. Members of the unit have published on issues of sustainability in their discipline
	Indiana Academy faculty are not typically involved in research or publishing of this type.
Y N X [Goal 3. Members of the unit attend conferences that address issues of sustainability.
	During the last 10 years only a very few faculty have attended conferences that address any issues regarding sustainability.
Y N X	Goal Goal 4. Members of the unit belong to associations dedicated to sustainability issues.
	At least one member of the faculty belongs/has belonged of associations dedicated to sustainability issues.
Y N	Goal 5. The unit has hosted workshops on issues of sustainability.
	Hosting conferences on sustainability are not central to the mission of the Indiana Academy.
Y N	Goal 6. The unit has hosted conferences on issues of sustainability.
	Hosting conferences on sustainability are not central to the mission of the Indiana Academy.



Co	mmunity	Service and Outreach
Y	N Goal	The unit engages in public and/or outreach activities that address issues of sustainability.
		The Indiana Academy environmental club engages in outreach activities in the community each year. The Academy will sponsor at least one sustainability program each semester.
Y Y	N Goal	2. The unit is in partnership with others in the community in the pursuit of sustainability.
		The Indiana Academy volunteer clean up an assigned area of Westside Park and Riverfront each year as part of a community effort.
Y Y	N Goal	3. The unit participates in community events that address issues of sustainability.
		Indiana Academy students participate in Ball State and community events regarding sustainability as part of their community service credits and wellness programming.
Y Y	N Goal	4. The unit has initiated community endeavors in pursuit of sustainability.
		The Indiana Academy has sponsored community endeavors in the past.



Existing conditions as baseline (data as available)

In preparing our short-form responses to the questions in the previous section, we accumulated the following data sets. These comprise the numerical underpinnings specific to our (pick one) Center, Institute, Department, College, Vice-Presidency.

A List of Academic Offerings

Topical Sustainability Lectures

A survey revealed that over half of the Indiana Academy faculty integrate sustainability topics in their courses at some point in the year. The amount varies according to subject area with the science teachers focusing on sustainability issues more that those of other disciplines.

None

Sustainability Courses

We have no sustainablity courses in our curriculum, however, the topic is dealt with extensively in our AP Environmental Science, Ecology, and Bioethics courses.

Sustainability Programs

The only formal sustainability program is the cleanup of an assigned areas of Westside Park and the riverfront. The Environmental Club also engages in programs each year but they will vary in their nature.

Sustainability Concentrations

None

Sustainability Degree Offerings

None

Sustainability Immersive On-and Off-Campus Experiences

None

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Existing conditions as baseline (data as available)

A List of Faculty, Staff and Student Activities

Professional Academic Organizations
Professional Staff Organizations
Student Associations and Clubs
Hybrid Fleet Vehicle Use
Twenty percent of the faculty have used the hybrid vehicles for University travel. The present vehicles leased by the Academy for daily use are older vans and cars and are not hybrids.
Hybrid Electric Shuttle Bus Use
The Academy students use the shuttle busses extensively because they do not have access to cars.
Bicycling
About 25% of the faculty bike or walk to the Indiana Academy.
Carpooling
About 13% of the faculty carpool at some point during the academic year.
MITS Bio-Diesel Bus Use
The Academy students use the city busses extensively because they do not have access to cars.
Conference Travel; Carbon Offset Purchases (and others)
None

Unit Name_	
Date	

Existing conditions as baseline (data as available)

A List of Operational Commitments in the Building(s) We Occupy

Building Use: Lamps, Occupancy Sensors, Waterless Urinals

Occupancy sensors are used in two music rooms.

Material Use/Recycling: Paper, Water, Cartridges, Cans, Glass, Wet Garbage

Reycling bins are available for cans, batteries, cartridges, and paper.

Food Use/Recycling: Local Sourcing, Washable Dinnerware

All dinnerware provided in the Academy kitchen is washable.

Unit Name_	
Date	

Goals

Given our assessment of where things stand, we have identified the following goals for our unit.

Governance and Administration

To increase sustainability efforts will establish a Sustainability Committee that will include representatives of faculty, students, and staff to create policies and a five year plan approved by the Executive Co-directors.

Operations

The Indiana Academy will increase its conservation of energy through the development of a sustainability plan that includes ways to decrease energy use and use of paper.

Curriculum

Research

Community Service and Outreach

The Indiana Academy will increase its community service by sponsoring at least one project each year that assists the community in its sustainability efforts.

Jnit Name_	
Date	

Implementation



Governance and Administration	
Before the end of the 2007-08 academic year, the Indiana Academy will establish a Sustainability Committee that will include representatives of faculty, students, and staff.	None
The Indiana Academy will begin establishing policies recommended by the Sustainability Committee and approved by the Executive Co-Directors by the end of the 2007-08 school year.	None
Operations	
Before the end of the 2007-08 academic year, information on Energy Star rated equipment will be requested through University purchasing to determine its efficacy in inluding it in the Indiana Academy's sustainability plan.	The determination of cost is part of the goal.
As part of the Indiana Academy sustainability plan to be intitiated before the the 2007-08 academic year, a plan will be developed to reduce paper use.	None
As part of the Indiana Academy sustainabity plan, hybrid vehicles will be requested for travel when they can accommodate the number to travelers.	None
The Indiana Academy, as part of its sustainability plan, will request washable dinner/service ware for its meetings and functions when it is appropriate.	Unknown
Carpooling for Academy travel when possible will be included as part of the Indiana Academy sustainability plan.	
A request will be made before the end of the 2007-08 school year for a specification of the costs and possibilities of installing occupancy sensors. If the sensors can be installed at no cost to the Academy, they will be requested in areas that are appropriate.	The determination of costs is part of the goal
Curriculum	
Research	
Community Service and Outreach	
The Indiana Academy will sponsor at least one majorproject each year that assists the community in its sustainability efforts.	Travel cost for students; costs will vary
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2009	Action Items	Resource Needs

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Governance and Administration	
The Indiana Academy Strategic Planning Committee will study the possibility of sustainability being integrated into its mission statement.	None
The Sustainability Committee will annually update the five year plan and policies based on progress from the prior year and new developments in sustainability.	None
Operations	
If cost effective, any new equipment requested will have an Energy star rating.	Depends on cost
Paper use will be decreased utilizing the methods in the Indiana Academy Sustainability Plan to meet specified goals.	None
Hybrid or the most fuel efficient vehicles will be requested for travel based on the number to travelers.	None
Washable dinner/service ware will be requested for meetings and functions when it is appropriate.	Depends on cost
All Academy personnel will be required to carpool when possible for Academy travel.	None additional
Other efforts to conserve energy will be implemented based on the annual revision of the Indiana Academy Sustainability Plan.	Unknown
Curriculum	
Research	
Community Service and Outreach	
The Indiana Academy will sponsor at least one majorproject each year that assists the community in its sustainability efforts.	Costs will vary depending upon the number of participants

2010	Action Items	Resource Needs
Jnit Name		Ball State University Unit-level Sustainability Planning
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Governance and Administration	
The Sustainability Committee will annually update the five year plan and policies based on progress from the prior year and new developments in sustainability.	None
Operations	
If cost effective, any new equipment requested will have an Energy star rating.	Depends on cost
Paper use will be decreased utilizing the methods in the Indiana Academy Sustainability Plan to meet specified goals.	None
Hybrid or the most fuel efficient vehicles will be requested for travel based on the number to travelers.	None
Washable dinner/service ware will be requested for meetings and functions when it is appropriate.	Depends on cost
All Academy personnel will be required to carpool when possible for Academy travel.	None additional
Other efforts to conserve energy will be implemented based on the annual revision of the Indiana Academy Sustainability Plan.	Unknown
Curriculum	
Research	
Community Service and Outreach	
The Indiana Academy will sponsor at least one majorproject each year that assists the community in its sustainability efforts.	Costs will vary depending upon the number of participants

2011	Action Items	Resource Needs
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Governance and Administration	
The Sustainability Committee will annually update the five year plan and policies based on progress from the prior year and new developments in sustainability.	None
Operations	
If cost effective, any new equipment requested will have an Energy star rating.	Depends on cost
Paper use will be decreased utilizing the methods in the Indiana Academy Sustainability Plan to meet specified goals.	None
Hybrid or the most fuel efficient vehicles will be requested for travel based on the number to travelers.	None
Washable dinner/service ware will be requested for meetings and functions when it is appropriate.	Depends on cost
All Academy personnel will be required to carpool when possible for Academy travel.	None additional
Other efforts to conserve energy will be implemented based on the annual revision of the Indiana Academy Sustainability Plan.	Unknown
Curriculum	
Research	
Community Service and Outreach	
The Indiana Academy will sponsor at least one major project each year that assists the community in its sustainability efforts.	Costs will vary depending upon the number of participants

Unit Name_	
Date	

2012 Action Items	Resource Needs
Governance and Administration	
The Sustainability Committee will annually update the five year plan and policies based on progress from the prior year and new developments in sustainability.	None
Operations	
If cost effective, any new equipment requested will have an Energy star rating.	Depends on cost
Paper use will be decreased utilizing the methods in the Indiana Academy Sustainability Plan to meet specified goals.	None
Hybrid or the most fuel efficient vehicles will be requested for travel based on the number to travelers.	None
Washable dinner/service ware will be requested for meetings and functions when it is appropriate.	Depends on cost
All Academy personnel will be required to carpool when possible for Academy travel.	None additional
Other efforts to conserve energy will be implemented based on the annual revision of the Indiana Academy Sustainability Plan.	Unknown
Curriculum	
Research	
Community Service and Outreach	
The Indiana Academy will sponsor at least one majorproject each year that assists the community in its sustainability efforts.	Costs will vary depending upon the number of participants

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