

**Florida Department of Environmental Protection
INNOVATIVE RECYCLING AND WASTE REDUCTION GRANT
APPLICATION FORM**

Project Information (on applicant letterhead)

- 1) **Applicant Name:** Okaloosa County
- 2) **Primary contact person:** Jim Reece, Recycling Coordinator
- 3) **Complete Address:** 84 Ready Avenue, Ft. Walton Beach, FL 32543
- 4) **Telephone Number(s) (including SunCom number):** (850) 651-7395
- 5) **E-mail address:** jreece@co.okaloosa.fl.us

6) **Project Title:**

Institutionalizing Green Building for Future Generations: Build and Learn the Green Way

7) **Grant Request Amount:** \$ 606,160.00

8) **Length of project (months):** 24 months

Authorizing Signature

Title

Date

PROJECT ABSTRACT

(No more than 20 lines. Every word over 20 lines will constitute a one point deduction.)
(do not delete the instructions on this page)

Okaloosa County (County) seeks to obtain Innovative Grant funding for a proposal to build an active Green teaching and learning center (Center) made with and showcasing as much recycled content, reusable, and renewable material as possible. A Green commercial building certification will be applied for. The 3,000 square foot Center will institutionalize Green Building by teaching students and industry how and why to build this way. The Center will become a part of the County's Public School District, by partnering with Construction Technologies Institute (CTI). CTI is a part of the school district's Community High Okaloosa Institute for Career Education (CHOICE™) that is a "learn-and-benefit now" program that prepares students for workforce results. CTI has three academic campuses that teach construction design, management, and trade building skills to approximately 700 junior and senior high school students annually. Eight teachers will develop and teach the Green curriculum. The students, the future construction and architectural workforce in Florida, will design, build, and manage the Center with construction industry support.

The Center will showcase and develop resources for the following design and construction applications – design for recycling, construction and demolition recycling, organics landscape design, recycled-content materials, renewable materials, and material reuse. Additionally, the building will showcase water efficient landscaping and technology, demonstrate energy efficient and conservation design and technology, indoor environmental air quality design and construction, focus on site sustainability, and innovative design. Education, training and demonstration in the building will also benefit the University of West Florida (UWF) and Okaloosa-Walton College (OWC) students, secondary students as well as trades, builders, and the local community. Project partners include the UWF, OWC, Building Industry Association, Steel Recycling Institute, FL Green Building and Recycling associations, Gulf Power, and other private partners.

PROJECT DESCRIPTION

(1 page)

Okaloosa County is proposing to build an active Green teaching and learning Center in partnership with Construction Technology Institute (CTI), a career-technical school that is a part of the Okaloosa Public School District. Teachers and students will learn, build, and experience the Green process on an annual basis. Northwest Florida seeks to *institutionalize* Green Building for teachers, students and the building community. The project activities include the following:

Convene Project Team: A Green Team will be convened and hold meetings to ensure action on the construction project and grant related activities are completed.

Program Plan and Design: As the 2007 school year begins for high school CTI students, they are being taught and learning about Green design, materials, and building through their teachers. If the grant is awarded they can finalize the design, material research, and initiate construction in 2008. There is an immeasurable value to teaching students who are the future Green builders in Florida and the nation.

Green Curriculum Development: There will be a Green building curriculum developed by CTI for high and middle school students and eventually can be used for the elementary schools. The teachers that will help develop and teach it include two point teachers that will be responsible for the management and implementation of the project along with six other specialized teachers. These teachers include those teaching electrical, carpentry, welding, plumbing, and engineering, architecture, and construction management.

Education & Outreach: The Center will have a teaching/learning room for CTI high school students to use throughout each school year. The University of West Florida and Okaloosa-Walton College students will be intricately connected through the existing relationships established. The building industry can utilize the building for Green training events and meetings. Tours to the Okaloosa public school population and the public and private sector will be made available and showcase Green building and benefits.

Construction Training: One of the most innovative features of the project is that students will be involved in the actual construction of the building. They will perform all the construction functions except the concrete installation and finishing that will be in conjunction with industry partners. Training on construction and demolition recycling and a NW Florida reuse/salvage, recycling and disposal directory will be prepared.

Research and Analysis: Utilizing existing and new sources, students with technical support will research and a request for information (RFI) will be distributed to identify Green suppliers in the state, region, and local area regarding technologies, products and materials (TPM). The information gathered and received will be utilized to identify appropriate TPM as well as prepare written specifications. TPM will be donated and products will be purchased. All products will be visually showcased and notated in the building. An analysis will be performed to provide information and document cost and product attributes for building certification.

Certification: The Center will gather and prepare the necessary paperwork to obtain building certification through a program available (e.g., USGBC LEED[®], FGBC Commercial Standard, or Green Globes).

Florida Green Building Coalition (FGBC) Online Database Update and Expansion: Through the information gathered in this project and by the FGBC, the “Find Links” page on the FGBC website that houses Florida specific information on Green products/materials, projects, agents and links will be updated.

Partners and Mentors: Throughout the duration of the project we will draw on partners from the Steel Recycling Institute, Region 2 Workforce Development, Gulf Power, Okaloosa Gas, Building Industry Association, and Green Building and Recycling Associations in Florida. These experts representing their areas of expertise will assist with technical support on the project.

Criteria 1: TECHNOLOGIES or PROCESSES

(1 page)

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(20 points) The range of scoring is between 0 and 20 points, with up to 10 points for meeting one of the following sub-criteria and up to 20 points for meeting two. Note: applicant may adjust space used to address each sub-criteria.

Sub-criteria 1 – Novel application of an existing technology or process.

To our knowledge there is no building in Florida that serves as an institutional teaching and learning center for *students* with a focus showcasing technology and processes for construction materials made of reuse, recycled content, or renewable materials. Additionally, there is currently no training Center showcasing Green building materials and resources, energy efficient technology, and water efficient technology in the Northwest, Northeast, or North Florida area to students and the construction industry. The Center will be the first of its kind to focus primarily on the materials and resources section of green building application. The building is anticipated to be made of over 90% recycled content, reuse, and renewable materials (3R's).

The 3R's for materials and resources - The building will showcase the following technologies/processes:

1) *Reuse*: identify, procure where applicable, and utilize materials and supplies for the building that can be used from an existing building or purchased from a building salvage retailer. 2) *Recycled Content*: identify, procure, and utilize materials and supplies (wood, steel, aluminum, copper, concrete, ceramic, glass, textiles, ceramic, etc.) for the building that can be used in such applications as the foundation, framing, siding, landscaping (mulch/organics, paving, pipe, edging fabrics) flooring, roofing, ceiling, carpentry, plumbing, insulation, cabinets, countertops, furniture and interior design, etc. 3) *Renewable*: identify, procure, and utilize materials and supplies made for the building that are made from plants with a growth cycle of ten years or less such as bamboo, wheatboard, wool, cotton, and cork, etc. These can be used in various construction applications as flooring, carpentry, cabinets, countertops, furniture and interior design.

Sub-criteria 2 – Overcoming obstacles to recycling/waste reduction in new or innovative ways.

The state's recycling industry has actively focused on promoting recycled content products and construction and demolition recycling since 1988. And although much has been done to promote the purchase and use of reused and recycled content material to the residential sector, only in recent years has the promotion of it to the commercial and institutional building sector started to be integrated, but implementation is still not easy.

There are a few obstacles that can make it difficult for a Green project to maximize its use of 3R materials as well as document the costs associated with the amount and percent of these types of materials used. For example, it is often difficult for contractors that perform the actual installation of materials to find these materials in close proximity to their local area (often increasing costs). Additionally, obtaining documentation to support cost percentages for the 3Rs is difficult. A recent example is the City of Tallahassee's USGBC LEED® building project. Although the contractors were able to find 3R materials, they often were not able to obtain the product documentation to calculate the cost break out for the percent of recycled content in order to obtain a LEED® point.

The Construction Technology Institute (CTI) will work with the local building community and manufacturers/distributors to identify the barriers and solutions to educate both parties on the importance of defining the cost percentage for recycled content materials in construction and for certification. In addition, the Green manufacturers and suppliers products gathered during this project and from additional research performed by FGBC will be added to the Green products database on their website. Overcoming this obstacle will be beneficial to Okaloosa and other jurisdictions in FL and help to make it easier to gather the necessary cost percentage documentation.

Criteria 2: TARGETS

(1 page)

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(10 Points) (Demonstrate innovative processes to collect and recycle or reduce materials targeted by DEP. Note: if the proposed project also includes materials other than those targeted by DEP, the project will receive less than the maximum 10 points allocated for the criteria.)

The proposed project is a multi-faceted project that targets and impacts a lot of different groups and types of materials. And they include the following listed below.

Target sector: Institutional (School District, Students and Teachers)

The students being taught and that will continue to be taught in the Construction Technology Institute (CTI) program using the Center are the future generation of architects, builders, developers, contractors/tradesmen. The teachers who will teach students about Green building are the catalyst for engaging, communicating, and motivating students on the importance of building the Green way.

Target sector: Commercial

The building will serve as a showcase for commercial building owners and property managers in North, NW, and NE Florida by having various Green products in a building that they can see as well as receive training regarding the environmental and economic benefits of building Green.

Target Material: Construction and Demolition (C&D) Debris & Construction Materials

Pre Disposal: In addition to Green construction practices, materials will be showcased and utilized to support the “close the loop” process for recycling. The project goal is to build a Green building to be made of over 90% reused, recycled-content, and renewable materials. The materials to be utilized will include, but not limited to, fixtures, furniture, glass, metals, wood, concrete, flooring, carpeting, paint, ceiling tiles, ceramic tile, etc.

Post Disposal: The material that will be targeted based on local marketing conditions for C&D is material generated and used through and during construction. It includes material such as wood, metals, concrete, dirt, corrugated cardboard, etc. that can be recovered and reused as well as recycled.

Target Benefits:

The education of students in Green building and their subsequent entry into the workforce is priceless. Additionally, waste reduction strategies in the commercial and institutional (C/I) sector help to divert waste from landfills and this diversion allows for savings associated with avoided landfill disposal costs and those costs associated with maintaining a landfill. During demolition and construction, Green buildings are capable of diverting 50% of their C&D waste stream, while even more have been shown to divert over 75%. Green Buildings recycle and divert substantially higher levels of waste and incorporate greater amounts of recycled or reused materials than conventional buildings.¹ Building green, C&D diversion and C/I recycling have two primary benefits:

1. Fewer hazardous substances and greenhouse gas emissions when products are manufactured with recycled materials instead of virgin wood, metal, or petroleum resources.²
2. Fewer hazardous substances and other pollutants released when materials are collected for recycling instead of disposal in a landfill or incineration.³

¹ Green Office Buildings, Urban Land Institute, Page 37.

² Green Office Buildings, Urban Land Institute, Page 37.

³ Green Office Buildings, Urban Land Institute, Page 37.

Criteria 3: BENEFITS/ COST-EFFECTIVENESS

(1 page) (do not delete the instructions on this page)

(25 points) Demonstrate the potential economic, environmental, and cost-effectiveness of the program's approach. Note: applicant may adjust space used to address each sub-criteria.

Sub-criteria 1 – Environmental Benefits (5 points).

- **Methodology:** The project will have a multitude of environmental benefits that include the following:
Source Reduction: The building will be built through value engineering and design principles, so the design and construction process will only utilize/specify materials that are needed and not wasted for disposal.
Resource Conservation through Waste Reduction, Recycling, and Reuse: Up to 75% of the Construction and Demolition (C&D) debris generated through the construction phase of the project will be recycled. Recycling will be designed into the building, internal and external containers and a recycling program will be implemented. Recycling has shown to have an average total net environmental benefit of \$63/ton. Additionally, reusable, recycled-content, and renewable materials use will be maximized and organics will be utilized to design and install landscape that is Florida Friendly and conserves water.
- **Toxicity:** The project will reduce the exposure and release of toxic or hazardous material through the use of Green building principles through the following method: Paint, sealants, adhesives, wood as well as the 3R materials will be chosen for their low or no volatile organic compounds. By reducing or eliminating the use of products that off-gas, indoor environmental quality will improve for the occupants. Their comfort due to better air quality will allow their performance to increase substantially and reduce absenteeism.

Sub-criteria 2 – Economic Benefits (5 Points).

The benefit of a building that serves as a learning laboratory to approximately 700 students annually is priceless. The economic and environmental benefit of one student making a future career choice to design or build Green is profound. Other benefits include: increased Green job opportunities for students entering the construction workforce utilizing CTI's training and educational programs; increased Green marketing potential for local and regional tradesmen and construction companies; showcasing Green product and material availability and associated costs; occupant productivity with improved comfort has been documented by USGBC for schools to be upwards of 16% with Green related construction. And the immediate savings from energy and water conservation building design and equipment that will have an immediate impact in reduction on operating costs for the school board and serve as a local building model.

Sub-criteria 3 – Cost-Effectiveness (15 Points).

The payback begins immediately for the project with education of and use of students and teachers⁴ on the project. Upfront design for recycling, reduce solid waste costs by approximately 25-50%. Building Green has shown to increase energy efficient and reduce energy use by 30% (20 year present value is \$5.48/sqft for an institution and \$5.78/sqft for a commercial building⁵); reduced irrigation and internal water usage will reduce water costs (20 year present value for water savings for green buildings is estimated at \$0.51/sqft⁶); and increased O&M efficiency⁷. Supplier donations showcasing their products will benefit from exposure and future product sales. We conservatively estimate receiving up to 5% of our products on a reduced cost or no-cost basis due to the projects intent to use the building for tours to the local building community and general public. Additionally, the Center will evaluate charging fees to help defray operational expenses for training offered to the private sector and building community to be held in the building. With a 60% match there is a tremendous return on the States investment.

⁴ Annual salary of one Okaloosa teacher is \$ 62,000.

⁵ Green Office Buildings, Urban Land Institute, Page 34.

⁶ Green Office Buildings, Urban Land Institute, Page 37.

⁷ Operations and Maintenance.

Criteria 4: SUSTAINABILITY:

(1 page)

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(25 points) Demonstrate the sustainability of the proposed program.

Okaloosa County has already made a sustainability investment and commitment through both the County Commission and the School Board agreeing to pursue this grant. The agreement ensures a Green infrastructure is put into place within the Okaloosa Public School System through the Construction Technology Institute (CTI). The four existing components described below all help to support the institutionalization of the Green program through teachers and students.

CHOICE INSTITUTE - CTI: The building and Green program will become a part of the CHOICE program, which is a part of the Okaloosa School District. CHOICE is an innovative program in a school district that is ranked #1 academically based on standard testing scores. It operates a learn-and-benefit program that goes beyond usual high school education. It was named “the model” for FL career-technical education programs. It has its own 3R’s – Rigor, Relevance, and Relationships and that program has offered results on the job. There are three specific learning academies within four operating Institutes and the Institute featured and the major partner in this proposal is CTI. CTI is made up of three Academies, each offering construction specialization in the following: 1) Autodesk Design Academy (turning ideas and dreams into brick, concrete, and functional spaces), 2) Construction Management Academy (provides a rare opportunity to gain management skills while earning college credits towards engineering and technology/building science), and 3) Construction Trades Academy (provides classroom hands-on training in carpentry, electrical, plumbing, welding, heating, ventilation and air-conditioning (HVAC), and electronics system technology).

At the beginning of the school year in August 2007, through the leadership of the Dean of CTI, Matt Clark, students in all three programs are being educated by their teachers on building Green. Additionally, the Autodesk Design Academy (student architects and engineers) have initiated the development of the building design. These students are currently being mentored by the Dean, two point teachers and six specialty teachers in preparation for being awarded this grant.

OKALOOSA COUNTY: The County is committed to recycling and promoting sustainability to the building community. Upon visiting the County’s recycling webpage⁸ the first thing you see and read is an introductory welcome discussing the importance of Green Building to protect the County’s and NW Florida’s natural resources and construction impacts to MSW generation and disposal in the County. The County is serious about the importance and promotion of this endeavor through its Recycling department and coordinator (Jim Reece). The proposal is important to the County because 31% of its MSW generation composition by weight is Construction and Demolition debris.⁹ The County wants to be proactive and have less Construction and Demolition (C&D) debris disposed and more recycled as well as more construction materials and products purchased from reusable, recycled or renewable material to “close the loop.”

3R’S GREEN MODEL AND SHOWCASE: Long after the grant is over the Center will continue to be utilized to educate students, the local building community, and the citizens of the County. Additionally, the building itself will allow users entering the building to see the application of these Green technologies, products and materials from inside and out through external view and internal “behind the scenes” windows or portals.

EDUCATION, TRAINING AND OUTREACH: During and after the grant the building will continue to offer and be a Green learning Center to students, the construction industry, associations, and residents/citizens locally and regionally.

⁸ http://www.co.okaloosa.fl.us/pub_recycling.html

⁹ http://www.co.okaloosa.fl.us/pub_rec_recycle.html

Criteria 5: TRANSFERABILITY

(1 page)

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(10 Points) Demonstrate transferability of technology and processes and specify how the project will promote transferability. Note: applicant may adjust space used to address each sub-criteria.

Sub-criteria 1 – Transferability of technology and processes (5 points).

The Florida Department of Environmental Protection (DEP) estimates that Construction and Demolition (C&D) debris accounts for approximately 25% of the State's municipal solid waste stream. In 2005 Counties collected and generated approximately 11 million tons of C&D debris, recycled 2 million tons (18%) and disposed of 9 million of those tons (82%).¹⁰ Okaloosa County and other jurisdictions in the State continue to grow each year with new buildings built everyday and jurisdictions are concerned with managing their C&D debris material as well "closing the recycling loop."

In the mid 1990s only 10% of building products were made from recycled materials, the figure has risen to almost 50% and is expected to grow by 100% in the next five years.¹¹ Most importantly, the project will help to increase that growth in FL. There is tremendous opportunity to increase the recovery and diversion of C&D debris as well as increase the knowledge and purchase of using reusable, recycled content, and renewable materials. The research gathered and identified by the County for the building and the technologies, products, and materials utilized can be used by other local governments in developing and dispersing information as well as availability and cost information for their building community. The direct benefits include the following materials to be distributed to and shared with other local governments.

1. NW Florida C&D Reuse/Salvage and Recycling Directory
2. Research information and expanded database for green building products, materials, projects, and professionals
3. Building project cost and projected benefit analysis
4. Green products and materials specification language
5. Model showcase and working educational center
6. Green student curriculum for the FL public school system

Sub-criteria 2 – How project will promote transferability (5 points).

The items listed in sub-criteria 1 will be transmitted to the public school system, colleges, other local governments and the building community throughout Florida, through the following organizations and avenues.

- 1) Press Release to Florida School Boards and RFT Collegiate and School Recycling Committee
- 2) Presentation request and press release to the building related associations and publications in Florida
- 3) Press release, article, and conference presentation submittal to the Florida Green Building Coalition and Recycle Florida Today.
- 4) Press release to United States Green Building Council's Florida Chapter and presentation to the North Florida chapters in Tallahassee and Jacksonville
- 5) Press release and conference presentation submittal to the Solid Waste Association of North America (SWANA) Florida Sunshine Chapter
- 6) Notification to FL recycling coordinators of an I-grant program page on the Okaloosa County website
- 7) Workshops and tours to state recycling and building professionals.
- 8) Press release to the local media (newspapers and TV stations)

¹⁰ DEP MSW C&D Reporting Data for the State of Florida, 2005, Suzanne Boroff/DEP Tallahassee.

¹¹ Green Office Buildings, Urban Land Institute, Page 85.

Criteria 6: LOCAL SUPPORT

(1 page) (do not delete the instructions on this page)

(10 Points) Demonstrate local support for the proposed project in commitment of cash or in-kind matching funds. Please provide the name, address and phone number of ALL contributors.

- **00 points** 0% up to and including 1% of total project cost
- **01 points** Greater than 1% up to and including 10% of total project cost
- **02 points** Greater than 10% up to and including 20% of total project cost
- **03 points** Greater than 20% up to and including 30% of total project cost
- **04 points** Greater than 30% up to and including 40% of total project cost
- **05 points** Greater than 40% up to and including 50% of total project cost
- **06 points** Greater than 50% up to and including 60% of total project cost
- **07 points** Greater than 60% up to and including 70% of total project cost
- **08 points** Greater than 70% up to and including 80% of total project cost
- **09 points** Greater than 80% up to and including 90% of total project cost
- **10 points** Greater than 90% up to and including 100% of total project cost

Project partners and local support will include the following **in-kind** contributions at a total of **\$ 921,000.**

(\$ 10,000) Okaloosa County:

Contact: Jim Reece, Recycling Coordinator, (850) 651-7395

The recycling coordinator will ensure that all contractual activities and obligations with CTI and the DEP are met and that all reporting and financial obligations are sent to the DEP on a timely manner.

(\$ 862,000) Okaloosa Public School System, CHOICE - Construction Technologies Institute (CTI)

Contact: Matt Clark, CTI Dean, (850) 833-3317

The school district will provide the land and the use of the CTI Dean, two point teachers, and 6 specialty teachers (electrical, management, carpentry, welding, plumbing, engineer/architectural design) to oversee the student involvement, student labor, in completing the building project, grant related activities, and the curriculum development.

(\$ 1,000) The Steel Recycling Institute (SRI)

Contact: Suzette Miller, (850) 479-7208

They will provide technical support regarding maximizing the use of recycled steel products in the project as well as finding material and product vendors that can provide samples and potential product materials.

(\$ 4,000) The Green Building, Recycling and Solid Waste associations in Florida - FGBC, USGBC Florida Chapters, RFT, SWANA Sunshine Chapter.

Contact: Michael Houston, FGBC President, (407) 292-5560

They will contribute through their organizations educational and promotional involvement as well as provide technical support.

(\$ 4,000) Business Industry Association (BIA), Okaloosa Gas, Gulf Power (a Division of Southern Company), Workforce Development/Florida, Region 2 (JobsPlus) - contact names and phone numbers provided upon request

They will provide technical support on the project for energy related expertise for materials and technologies and staffing support.

(\$ 40,000) Product and Material Vendors (estimated 5% contribution)

They will provide product samples and materials to the Green building project to be showcased in the Center. No names provide because these relationships will be developed throughout the grant project.

BUDGET

(1 page using Budget Table Template)
(do not delete the instructions on this page)

Describe the project's budget allocated by task and budget categories per the Budget Table Template available from DEP's Innovative Grants web site in Microsoft Excel digital format (www.dep.state.fl.us/waste/categories/recycling/pages/InnovativeGrants2007-08.htm).

Applicant: Okaloosa County		Project Title: Institutionalizing Green Building for Future Generations: Build and Learn the Green Way									
Budget											
(1) Tasks	Categories								Local Match		(12) Total Grant Request
	(2) Personnel	(3) Travel	(4) Equipment	(5) Supplies	(6) Contractual	(7) Construction	(8) Other	(9)* Total Budget	(10) In-Kind Match	(11) Cash Match	
Convene Project Team Members, Coordinate and Manage Project Meetings and Members	\$24,000.00				\$20,000.00			\$44,000.00	\$24,000.00		\$20,000.00
Planning, Permitting, and Design	\$25,000.00					\$50,000.00		\$75,000.00	\$25,000.00		\$50,000.00
3R's Materials and Resources Product Research, Specification, Solicitation, and Analysis	\$17,000.00				\$15,000.00			\$32,000.00	\$17,000.00		\$15,000.00
Green Building Materials and Products Specification and Procurement	\$17,000.00			\$40,000.00	\$15,000.00	\$150,000.00		\$222,000.00	\$57,000.00		\$165,000.00
FGBC Green Database Entry and Additional Research for Products, Projects, and Professionals	\$2,000.00				\$5,000.00		\$10,000.00	\$17,000.00	\$2,000.00		\$15,000.00
Building Construction (student labor) and Construction Management (teacher labor)	\$150,000.00							\$150,000.00	\$150,000.00		
Building Construction - Private Labor	\$150,000.00		\$10,000.00					\$160,000.00	\$0.00		\$160,000.00
Land for Building/Center (2 acres)						\$500,000.00		\$500,000.00	\$500,000.00		
C&D Waste Reduction Program, Recycling Plan, and NW FL C&D Waste Reduction and Recycling Directory	\$17,000.00				\$12,500.00	\$10,000.00		\$39,500.00	\$17,000.00		\$22,500.00
Landscape Design with Organics and Recycled Content Program Plan, and Installation	\$17,000.00				\$2,500.00	\$3,000.00		\$22,500.00	\$17,000.00		\$5,500.00
Education, Training and Outreach Program Research, Plan and Implementation	\$19,000.00	\$5,000.00			\$7,500.00		\$10,000.00	\$41,500.00	\$19,000.00		\$22,500.00
Media and AV Research and Procurement for Center	\$17,000.00	\$1,000.00	\$25,000.00			\$15,000.00		\$58,000.00	\$17,000.00		\$41,000.00
Memberships, Training, Green Certification Review, Identification, and Documentation	\$17,000.00				\$42,500.00		\$7,160.00	\$66,660.00	\$17,000.00		\$49,660.00
Quarterly and Final Reporting	\$21,000.00				\$15,000.00			\$36,000.00	\$21,000.00		\$15,000.00
Project Coordination and Management	\$38,000.00				\$25,000.00			\$63,000.00	\$38,000.00		\$25,000.00
TOTALS	\$531,000.00	\$6,000.00	\$35,000.00	\$40,000.00	\$160,000.00	\$728,000.00	\$27,160.00	\$1,527,160.00	\$921,000.00	\$0.00	\$606,160.00

* NOTE: Column 9 is the total of columns 2 through 8. It also should equal the total of columns 10 through 12.

Percentage Match 60.31%

Note for (10): In-kind contributions contain calculations for 8 teachers, 1 dean, recycling coordinator, land donation by school district, student labor, vendor product/material donations, and non-profit and private sector partners.