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Adjusted Allocation: 0.00

Remaining: -95,000.00
Applicants shall respond to the prompts or questions in the areas listed below in a narrative form.

A) APPLICANT INFORMATION - General Information, Experience and Capacity

1. Project Title: Illumination upgrade

2. Executive summary: Provide an executive summary of your project proposal and which goal(s) in question 9 you seek to achieve. Please limit your responses to no more than three sentences.

The Anna Local Schools plan to replace lights and fixtures in common areas such as the building exterior, hallways, office, cafeteria as well as classrooms in our 1978 addition. In doing so we will be replacing 1990's technology T-8 fluorescent bulbs to state of the art environmentally friendly and highly efficient LED lighting. The energy savings will create spending reductions in the current five year forecast and beyond.

675 3. Total Students Impacted:

4. Lead applicant primary contact: - Provide the following information:

First Name, last Name of contact for lead applicant: Andrew Bixler
Organizational name of lead applicant: Anna Local Schools
Unique Identifier (RN/Fed Tax ID): 049759
Address of lead applicant: 1 McRill Way
Phone Number of lead applicant: 937-394-2889
Email Address of lead applicant: abixler@anna.k12.oh.us

5. Secondary applicant contact: - Provide the following information, if applicable:

First Name, last Name of contact for secondary applicant: N/A
Organizational name of secondary applicant: N/A
Unique Identifier (RN/Fed Tax ID): N/A
Address of secondary applicant: N/A
Phone number of secondary applicant: N/A
Email address of secondary applicant: N/A

7. Partnership and consortia agreements and letters of support: - (Click on the link below to upload necessary documents).

* Letters of support are for districts in academic or fiscal distress only. If school or district is in academic or fiscal distress and has a commission assigned, please include a resolution from the commission in support of the project.

* If a partnership or consortium will be established, please include the signed Straight A Description of Nature of Partnership or Description of Nature of Consortium Agreement.

UploadGrantApplicationAttachment.aspx

8. Please provide a brief description of the team or individuals responsible for the implementation of this project including relevant experience in other innovative projects. You should also include descriptions and experiences of partnering entities.

Andrew Bixler-Superintendent, Dennis Raberding-Treasurer, Dave Baumer-MaintenanceSupervisor. Superintendent Bixler has 15 years of administrative experience and initiated multiple energy conservation projects starting with an independent energy use audit purchased from an engineering firm. This audit most recently lead to the 2013 replacement of HVAC control upgrades in the 1938, 1964, 1972 and 2000 additions to the middle school and high school. In the last three years, Mr. Bixler has also coordinated a major roof replacement project and the complete demolition and reconstruction of a large parking lot. Maintenance Supervisor Baumer has taken the lead in advocating for energy efficiency in all of our operations including transportation where he secured a clean diesel grant in 2012 for retrofitting school busses. As a hands-on supervisor with over 20 years of experience, Mr. Baumer will be heavily involved with overseeing the actual installation of our LED lights and fixtures and with monitoring use and efficiency going forward. Treasurer Raberding has been with the district for over 30 years. He is passionate about controlling operational costs and has experience with grant management, financing and relevant accounting. Our partnering entity is Earthwell Energy Services - an Ohio company with public school experience focused on providing green lighting solutions to institutions.

B) PROJECT DESCRIPTION - Overall description of project and alignment with Outcomes

9. Which of the stated Straight A Fund goals does the proposal aim to achieve? - (Check all that apply)

- Student achievement
- Spending reductions in the five-year fiscal forecast
- Utilization of a greater share of resources in the classroom

10. Which of the following best describes the proposed project? - (Select one)

- New - never before implemented
- Existing and researched-based - never implemented in your district or community school but proven successful in other educational environments
- Mixed Concept - incorporates new and existing elements
- Enhancing/Scale Up - elevating or expanding an effective program that is already implemented in your district, school, or consortia partnership

11. Describe the innovative project.

In this project we will replace the lighting in the following areas: parking lots and exterior lights, middle school and high school hallways, middle school and high school cafeteria and kitchen, maintenance shop, band room, auditorium and four classroom/fabs and the middle school and high school special education resource room. Research indicates that the special education students learning environment is improved by utilizing LED lighting instead of fluorescent lighting which has a flicker effect and creates background noise. We have a variety of fixture types in our hallways and classrooms now including 4 lamp, 3 lamp and 2 lamp fluorescent fixtures. When possible we will “delamp” by replacing four lamp fluorescents with 3 lamp LED’s, or 3 lamp fluorescents with 2 lamp LED’s. Outside 400W bulbs will be replaced with LED retrofit lamps that are vastly more efficient. In several of the classrooms hanging “egg crate” fixtures will be upgraded to the latest technology in LED lighting. In all we plan to replace 387 fixtures in this project. A complete listing of this proposal and projected energy savings is uploaded with the project budget and Financial Impact Template.

12. Describe how it will meet the goal(s) selected above. - If school/district receives school improvement funds/support, include a brief explanation of how this project will advance the improvement plan.

According to Earthwell, each changed bulb or retrofit fixture represents a savings in energy consumption ranging from 28% to 85%. There will be rebates from our electric supplier for decreasing the number of bulbs in use as well as replacing existing equipment with more efficient bulbs. The life expectancy of the LED bulbs is 25% to 35% longer than fluorescent bulbs reducing the future burden of replacement costs. There is immediate and substantial anticipated savings to the operational expenditures of the district. Currently the district employs a special education intervention specialist for 7 of a pay to teach multiple handicapped students. Students in the class have been identified with Down’s syndrome as well as autism. The number of students served by this teacher will grow in the upcoming years based on the population of students in our upper elementary grades. A portion of the reduced expenditures will be utilized to expand the services to these children.

C) SUSTAINABILITY - Planning for ongoing funding of the project, cost breakdown
13. Financial Documentation - All applicants must enter or upload the following supporting information. Responses should refer to specific information in the financial documents when applicable:
   a. Enter a project budget
   b. Upload the Straight A Financial Impact Template forecasting the expected changes to the five-year forecast resulting from implementation of this project. If applying as a consortia or partnership, please include the five-year forecasts of each school district, community school or STEM school member for review.
   c. If subsection (b) is not applicable, please explain why, in addition to how the project will demonstrate sustainability and impact.

14. What is the total cost for implementing the innovative project?
   94,900.00 * Total project cost

* Provide a brief narrative explanation of the overall budget. The narrative should include the source and amount of other funds that may be used to support this concept (e.g., Title I funding, RTT money, local funding, foundation support, etc.), and provide details on the cost of items included in the budget (i.e. staff counts and salary/benefits, equipment to be purchased and cost, etc.).

Locally, our Capital Improvement fund will receive about $165,000 in FY14. Due to the loss of tangible personal property tax in Ohio, $165,000 is about half of the amount that it once generated. We will commit up to $15,000 from local funds to install new drop ceilings in the 1978 classrooms that currently have dropped "egg crate" fixtures.

15. What new/recurring costs of your innovative project will continue once the grant has expired? If there are no new/recurring costs, please explain why.
   0.00 * Specific amount of new/recurring cost (annual cost after project is implemented)

* Narrative explanation/rationale: Provide details on the cost of items included in the budget (i.e. staff counts and salary/benefits, equipment to be purchased and cost, etc.). If there are no new/recurring costs, please explain why.

There are no new or recurring costs with the energy conservation component of this grant. There are energy savings that translate directly into dollars, there are rebates anticipated from energy suppliers, and there will be local labor and fixture savings to the district as the replacement cycle is extended. We commit to apply a portion of the savings in expenditures to expanding services in the special education program.

16. Are there expected savings that may result from the implementation of the innovative project?
   9,345.00 * Specific amount of expected savings (annual)

* Narrative explanation/rationale: Provide details on the anticipated savings (i.e. staff counts and salary/benefits, equipment to be purchased and cost, etc.)

The specific amount of expected savings from the energy component with this project is over $9,345 annually. Earthwell Energy Services conservatively estimates the anticipated rebates from our electric company to be in excess of $5,000. Total anticipated 94.184 KWh savings per year at our cost of $0.0992 per KWh for a total of $9,345. Total anticipated rebates in 2015: $5,000. The 10 year savings to the district will be over $58,450. A detailed listing of the expected energy and cost savings is uploaded with the budget and financial impact template.

17. Provide a brief explanation of how the project is self-sustaining. If there are ongoing costs associated with the project after the term of the grant, this explanation should provide details on the cost reductions that will be made that are at least equal to the amount of new/recurring costs detailed above. If there are no new/recurring costs, explain in detail how this project will sustain itself beyond the life of the grant.

There are no new or recurring costs. This program will sustain itself beyond the life of the grant by providing energy savings, electric company rebates and a decreased exposure for replacement costs. Savings from energy will be used to supplement special education costs.

D) IMPLEMENTATION - Timeline, communication and contingency planning

18. Fill in the appropriate dates and an explanation of the timeline for the successful implementation of this project. In each explanation, be sure to briefly describe the largest barriers that could derail your concept or timeline for implementation and your plan to proactively mitigate such barriers. In addition, the narrative should list the stakeholders that will be involved during that stage of the project and describe the communication that occurred as the application was developed.

Describe the ongoing communication plan with the stakeholders as the project is implemented. (Stakeholders can include parents, community leaders, foundation support and businesses, as well as educational personnel in the affected entities.)

* Proposal Timeline Dates

   Plan (MM/DD/YYYY): 10/24/2013
   * Narrative explanation

   By this date the scope of the project will be determined. Andrew Bixler, Dennis Haberding and Dave Baumer from the Anna Schools will continue to work with Earthwell Energy Solutions to determine the total and type of fixtures and bulbs to be changed. Additionally, this group will work collaboratively to estimate the future energy savings and spending reductions. December of 2013 - grant awarded The Anna Local Schools solicit competitive vendor quotes

   Implement (MM/DD/YYYY): 6/20/2014
   * Narrative explanation

   If awarded the grant, the installation and wiring will begin in late May when school is out. It is anticipated that the work can be completed in three weeks. A deadline of 6-20 gives extra time for unanticipated delays and allows the project to be completed in FY14.

   Summative evaluation (MM/DD/YYYY): 07/15/2015
   * Narrative explanation

   Evaluation of energy savings and reduction of expenditures will occur monthly and be reported annually in July. The district plans to evaluate the success of this project as a part of other future energy savings initiatives. Baseline data gathered in our independent energy audit conducted in 2012 will be utilized in our assessment project.

19. Describe the expected changes to the instructional and/or organizational practices in your institution.

The Anna Schools will continue to search for operational savings that can allow for funds to be redirected to the classroom. With this grant we plan to direct resources to the achievement of our special education students instead of the electric company.

E) SUBSTANTIAL IMPACT AND LASTING VALUE - Impact, evaluation and replication

20. Describe the rationale, research or past success that supports the innovative project and its impact on student achievement, spending reduction in the five-year fiscal forecast or utilization of a greater share of resources in the classroom.

An energy audit of the Anna Schools was conducted by Fanning and Hawey in 2012. From this audit we learned of areas for potential energy savings. This led the district to a project to upgrade heating and air controls in the middle and high school. The audit also revealed that the potential for major savings existed in area of lighting. The Straight A Fund could provide the district with the necessary resources to make a sizeable upgrade in energy efficient lighting and realize real reductions in energy consumption. The district is also very proud of its special education program and has implemented the Wilson Reading Program in the resource room classes this year. This program is researched based and strongly supports student achievement, but it has also increased the demand for time of our intervention specialist. Adding instructional time in the resource room will directly and positively impact student achievement in reading.

21. Is this project able to be replicated in other districts in Ohio?

   Yes
   No

22. If so, how?

   Changing technology in lighting allows for almost all schools to be able to improve efficiency and reduce energy expenses. The startup costs are high but the energy savings are also significant.

23. Describe the substantial value and lasting impact that the project hopes to achieve.

   The substantial value and lasting impact this program hopes to achieve is the energy savings and reduction of expenditures. This annual reduction of energy costs should be about $9,345 annually and more than $98,000 over the next 10 years. Additionally the expansion and full implementation of the Wilson Reading Program should result in improved reading skills for our high needs special education program.
24. What are the specific benchmarks related to the fund goals identified in question 9 that the project aims to achieve in five years? Include any other anticipated outcomes of the project that you hope to achieve that may not be easily benchmarked.

The benchmark for energy savings related to the project is $9,345 each year with an expected rebate amount of over $5,000 in the first year. There is an anticipated energy savings of $46,725 in five years. With $5,000 in rebates in the first year, the expected 5 year savings is $51,725. The specific goal for redirecting funds to the special education classroom is for students to show one year's growth in reading in one year's time each year in the next five years. Additionally, the students are given annual goals in their individualized education plans. A benchmark of this grant will be the students meeting their IEP goals.

25. Describe the plan to evaluate the impact of the concept, strategy or approaches used.

* Include the method by which progress toward short- and long-term objectives will be measured. (This section should include the types of data to be collected, the formative outputs and outcomes and the systems in place to track the program's progress).

* Include the method, process and/or procedure by which the program will modify or change the program plan if measured progress is insufficient to meet program objectives.

In evaluating energy savings, monthly electric bills will continue to be collected, recorded and compared to the same month and meter from previous years. The 2013-14 school year will be the baseline data for the project and data from previous years has already been collected. The KWhours and costs will both be used to monitor progress, track effectiveness of the grant, and to prioritize decisions for replacing fixtures in spaces not covered by this grant.

By virtue of applying for the Straight A Fund, all applicants agree to participate in the overall evaluation of the Straight A Fund for the duration of the evaluation timeframe. The Governing Board of the Straight A Fund reserves the right to conduct evaluation of the plan and request additional information in the form of data, surveys, interviews, focus groups, and any other related data to the legislature, governor, and other interested parties for an overall evaluation of the Straight A Fund.

PROGRAM ASSURANCES: I agree, on behalf of this applicant agency and/or all identified partners to abide by all assurances outlined in the Assurance section of the CCIP. In the box below, enter "I Accept" and indicate your name, title, agency/organization and today's date.

Accept: Andrew Bixler Superintendent Anna Local Schools 10-24-13