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| Adjusted Allocation | 0.00 |
| Remaining           | -295,000.00 |
A) APPLICANT INFORMATION - General Information, Experience and Capacity

1. Project Title: Heating and Ventilating Update Project

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

To renovate our 1956 original school building's heating system and add individual classroom units that are dual purpose: heating and cooling to maintain a constant 72 degrees. The present heating system cannot be repaired in a cost efficient manner due to steam lines being installed in the concrete floor when the building was constructed. There will be a yearly savings on repair and maintenance and less propane usage by retrofitting with updated efficient individual classroom units (heat pumps) which will also reduce our operation cost to heating and cooling the building.

700 3. Total Students Impacted:

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

First Name, last Name of contact for lead applicant: Bernie Hall, Superintendent
Organizational name of lead applicant: Madison-Plains Local Schools
Unique Identifier (IRN/Fed Tax ID): 048272
Address of lead applicant: 55 Linson Road SW
Phone Number of lead applicant: 740.852.0290
Email Address of lead applicant: bhall@mplsd.org

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 (IRN/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

6. List all other participating entities by name: Provide the following information for each additional participating entity, if applicable: Mention First Name, Last Name, Organizational Name, Unique Identifier (IRN/Fed Tax ID), Address, Phone Number, Email Address of Contact for All Secondary Applicants in the box below.

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.

UploadGrantAttachment.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.

Individuals that are part of this team are: Superintendent, Bernie Hall with 37 years experience; Larry Kimbler, Head Maintenance Supervisor with 35 years and Richard Phillips, Assistant Maintenance with 5 years experience.

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 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.

Research indicates that student learning and achievement takes place in settings where the environment is controlled. The present heating and ventilating system was installed in 1956 and has not been updated. Installing the mini-split unit heat pump system (or comparable systems) for heating and cooling would give control over the classroom environment, maintaining a constant 72 degrees, allowing students and staff to stay on task.

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.

In September 2013, three (3) mini-split units were installed in the building as test units for future consideration. By creating an environment where students are not being distracted by cold or heat, they will be able to concentrate on learning and achievement. This learning environment will help enable our district to meet 85% of all subject areas in all applicable grade levels, as defined in our Madison-Plains Improvement Plan (MPIP). While MPLSD does not receive school improvement funds from the state, we began the Ohio Improvement Process (OIP) last school year because we recognized the need to make improvement efforts. From this, we created and are implementing the Madison-Plains Improvement Plan (MPIP). The MPIP is based on two goals: meeting expected academic growth in all subject areas as measured by district and state approved student growth measures; and providing an educational environment that supports all learners. With the installation of additional units, Madison-Plains will realize a savings of $52,500 (at today's prices) per school year on propane consumption and maintenance of an outdated system.

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.
14. What is the total cost for implementing the innovative project?

295,000.00 * 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, RTF 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.).

Mini-split heat pump units (or comparable systems) $113,000; Electrical supplies and service $80,000; Labor and installation of the project $102,000. These costs will be funded through this grant.

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.

2,500.00 * 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 will be a maintenance and upkeep cost of approximately $2,500 per school year once the grant has expired. This will be maintained through district funds.

16. Are there expected savings that may result from the implementation of the innovative project?

52,500.00 * 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.)

Propane usage at $1.35 per gallon at 33,000 gallons per year = $44,550.00 (at today's cost) Estimated upkeep and repair of existing outdated system = $7,950.00 per year

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.

The heating and cooling heat pump units will be self-sustaining due to the annual savings and longevity. The expected life of the units are 12-15 years established by factory specifications. Based on propane prices per gallon and continued upkeep of the outdated system, the district will realize in excess of $500,000 (at today's prices) over the life of the units. This savings will go back into the classroom to provide curriculum resources.

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 engaged 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): 08/01/2013

* Narrative explanation

The plan for changing the heating and cooling mini-split units (or comparable systems) was developed in conjunction with the Madison-Plains Advisory Committee (MPAC) and the Board of Education. The MPAC committee is comprised of stakeholders, including staff, community members and parents.

Implement (MM/DD/YYYY): 11/01/2013

* Narrative explanation

Engineer specifications is the largest barrier to a successful implementation of this project.

Summative evaluation (MM/DD/YYYY): 01/01/2014

* Narrative explanation

The Project will be completed and evaluated. Weather and time are barriers as well as available funding which will affect annual savings.

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

This innovative project when completed, will enhance the environment for some 750 students and staff, and will enable the district to better meet the overall goal of 85% improvement in all subject areas as is our goal in the Madison-Plains Improvement Process (MPIP). While MPLSO does not receive school improvement funds from the state, we began the Ohio Improvement Process (OIP) last school year because we recognized a need to make improvement efforts. From this, we created and are implementing the Madison-Plains Improvement Plan (MPIP). The MPIP is based on two goals: meeting expected academic growth in all subject areas as measured by district and state approved student growth measures; and providing an educational environment that supports all learners. Further, research will show that second to personnel cost, building maintenance will use a large majority of our operating dollars. To be able to control our heating in winter months and air conditioning during the summer/spring months is our goal in the Madison Plains Improvement Plan (MPIP).

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.

In the summer of 2013 the district installed three mini-split unit heat pumps to control the temperature in two areas of our K-6 building. Our primary goals were to control the temperature in our technology lab, to meet the medical needs of a staff member per doctor's request and to field test the units for future consideration in other areas of the building. To date, we feel the units are functioning as to factory specifications for cooling, heating and fan noise within the classroom areas. To reassess our satisfaction of the mini-split unit heat pumps, we collaborated with the Washington Court House County Trustees as to their satisfaction level of depending on the same type of unit to heat and cool the Fayette County Court House building for the last couple of seasons. All reports as to installing the units have been positive to date.

All reports as to installing the units have been positive to date. In our research for other useage of the mini-split unit heat pumps, we found the units are used extensively in motels/hotels, schools in Michigan and has a widespread use in Europe as the primary means of heating and cooling.

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

[ ] Yes

[ ] No

22. If so, how?

Lack of additional dollars to update school buildings prohibits a 21st Century learning and teaching environment. This type of retrofit fit in any district could go far in extending the life of a school building or an added renovation to a school complex.

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

A primary value and lasting impact this project will make on our school district is to cause/produce a more conducive learning environment for our students until newer 21st century buildings can be built.

Presently the Madison-Plains School District is listed 438 on the state building replacement list. If these units span their period of time, then the project would well serve our overall goal for continuing to use the older buildings that still have some useful life if we maintain and update when needed.

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.

Benchmarks for the retrofit fit is to be able to secure the building during the summer months, eliminate the use of stand alone fans and not opening windows to control heat during winter months. These benchmarks will all contribute to a more conducive environment for learning and teaching. An ongoing benchmark will be to cut back our present heating system during the heating months by using the mini-split unit heat pumps (or comparable systems) as our primary source of heating and cooling. The savings over the life of the units are projected to be in excess of $500,000. These savings could be directed to other curriculum resources that will have a positive impact on each student in grades PreK-12.
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.

The goal is to have the heat pump system perform at 90-95% of the required heating and cooling to maintain a constant 72 degrees that will allow for student and staff comfort. The goal in 5 years is to produce a savings of $52,500 per year by reducing our heating repairs and using less propane. The savings will be redirected to curriculum resources whereas the 85% improvement goal is achieved as directed in the Madison-Plains Improvement Plan (MPIP). MPLSD does not receive school improvement funds from the state, we began the Ohio Improvement Process (OIP) last school year because we recognized a need to make improvement efforts. From this, we created and are implementing the Madison-Plains Improvement Plan (MPIP). The MPIP is based on two goals: meeting expected academic growth in all subject areas as measured by district and state approved student growth measures; and providing an educational environment that supports all learners. Severity of the winter and summer months weather conditions could impact the final benchmark of the overall project.

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.

I Accept. Bernie Hall, Superintendent Madison-Plains Local Schools October 25, 2013