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Adjusted Allocation: 0.00
Remaining: -938,126.00

Adjusted Allocation: 0.00
Remaining: -938,126.00
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: Welding Together Renewals for Success

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.

3. Student achievement will be enhanced with the use of computer-integrated power sources in all welding lab stations, in the job market, and on the employment site by serving the oil and gas industry, pipelines, and compressor stations plus individual and industry requests for welding services. With the purchase of the new welding items and virtual training system, our district will see a spending reduction in repair costs and consumable materials. Most importantly, students will gain additional instruction time and hands-on learning with tools and supplies used in today's job market.

4. Lead applicant primary contact: - Provide the following information:
   First Name, last Name of contact for lead applicant: Cecilia Abdalla
   Organizational name of lead applicant: Jefferson County Vocational School
   Unique Identifier (IRN/Fed Tax ID): 051136
   Address of lead applicant: 1509 County Highway 22A, Bloomingdale, OH 43910
   Phone Number of lead applicant: 740-264-5545
   Email Address of lead applicant: abdalla@jcjvs.k12.oh.us

5. Secondary applicant contact: - Provide the following information, if applicable:
   First Name, last Name of contact for secondary applicant: Todd Parker
   Organizational name of secondary applicant: Jefferson County Vocational School
   Unique Identifier (IRN/Fed Tax ID): 051136
   Address of secondary applicant: 1509 County Highway 22A, Bloomingdale, OH 43910
   Phone number of secondary applicant: 740-264-5545
   Email address of secondary applicant: parkert@jcjvs.k12.oh.us

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.

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.

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.

The instructors of the Welding Program are "certified" welding educators and "certified" welding inspectors. Both are involved with the American Welding Society as current and/or past chairmain and/or committee members. They have a total of 52 years of welding experience and various personal welding certifications.

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 research-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.

The project would include total modernization of welding equipment and a new lab ventilation system providing a safe, more efficient classroom work environment replicating those in today's industries and businesses. This would include a new Virtual Welding Training Lab and Computer Numerically Controlled Plasma Arc Cutting System plus an upgraded manifold system utilized to provide all necessary gases to each welding station. Old supplies/equipment, inadequate ventilation, and minimal training stations would be transformed to a modern welding lab by the funding provided by this grant. The demand for welding skills are numerous in our tri-county area because of the establishment of the oil and gas industry, pipelines, and processing plants plus needs from local individuals and businesses.

Being located in Appalachian Ohio with an unemployment rate of 10 percent for Jefferson County and 59.05 percent of our students receiving free or reduced lunch, our students need the "training edge" being located in Appalachian Ohio with an unemployment rate of 10 percent for Jefferson County and 59.05 percent of our students receiving free or reduced lunch, our students need the "training edge" when competing in today's job market. Our current lab is outdated and does not have enough work stations to meet our students' needs.

Our current lab is outdated and does not have enough work stations to meet our students' needs.

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.

Students will be able to better utilize their educational time in a safe environment with the proposed lab renovations by installing the Virtual Welding Training Lab and new lab ventilation system. All students will be working on the competency without delay from shared resources. This will allow us to directly align our course to the AWS SENSE program standards by incorporating technology enhanced, computer numerically controlled plasma arc cutting system and an upgraded maniforda system. Cost savings from modern equipment usage and virtual welding technology will be seen from the proposed innovation.

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. 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?

938,126.00  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).

The project cost to have a "state of the art" welding lab includes a straight pipe cutter (2,990), stand for W-60-20 (2,900), 20 Lincoln Power Wave C300 Educational Ready Pak for each station (165,640), 20 Invertec V205 T ACDC (88,190), 5 Welding Score Training (8,000), 6 Lincoln Vtx 360 Standard Frequency (294,000), Vtx New Lessons in Arc Welding with four upgrades to six units (96,088), Lincoln Low Vac/High Volume Central Environmental System (100,543), Automatic Control and Electronics (19,441), 20 Welding Booths (34,461), 20 Booth Curtains (5,600), 20 Welding Tables (17,560), Torchmate 2 48 CNC Table w/Hypertherm (19,300), Harris 200 Series Oxygen Manifold (2,850), Harris 200 Series Acetylene Manifold (5,036), Harris 200 Series Argon Manifold (2,850), Harris 200 Series Mix Gas Manifold (2,850), Harris 220HL Series CO2 Manifold 2/Heaters (8,343), Manifold Piping (34), 20 Oxy/Fuel Station Drop Fittings (2,890), 20 Welding Booth Station Drop Fittings (1,900), and 20 Harris Steelworker Classic Tool Bag with Line Regulators (5,600), Installation charges (50,000), additional labor and benefits for lab preparation (4,700). All freight charges are 0.00.

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 will be no new/recurring costs for the new "state of the art" welding lab. The current two teachers will instruct in this same lab but with new, technological welding stations; so there will be no additional salary and benefit costs. The welding supplies and gasses needed are currently purchased; therefore, it would be continuous for the new equipment. However, less supplies and gasses are anticipated because of the modern equipment.

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

15,000.00  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 approximate annual welding consumable savings would be between $10,000 and $15,000 for material (plate and pipe coupons), filler material (electrodes, etc), equipment parts (contact tips, etc.), power (electrical), and anticipated energy savings. The Virtual Weld Training uses no material (plate/pipe coupons), filler material, and/or typical equipment parts. With students better utilizing their time on task, there will be less wasted material. Modern machines use Inverter technology, which are more energy efficient.

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 to ensure that 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 new Welding Lab Project will be self-sustaining because it is a total upgrade of our current program, so the program's annual budget will be utilized. Repairs will be almost non-existent for at least the first five years, energy costs will be decreased, supplies' requests will be lowered due to the technological devices for training available in each welding lab. The amounts for salaries/benefits will remain the same and not increase because of program modernization (and not an added new program).

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 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): 02/01/2014

** Narrative explanation

Bid specifications for the renovation and the purchase of the "state of the art" welding lab will be analyzed by the two teachers with the assistance of administrators, parents, local businesses (especially from the oil and gas industry), and advisory committee members. This will be done in February and finalized by the end of April 2014.

Implement (MM/DD/YYYY): 08/25/2014

** Narrative explanation

Removal of old equipment and installation of new equipment will be completed during June, July, and August 2014. The project will be completed by the above date and ready for the school year.

Summative evaluation (MM/DD/YYYY): 06/01/2015

** Narrative explanation

Data will be available by semester to compare progress from previous years to date. Analysis will start during the 2014-15 school year when students will utilize the equipment beginning in August 2014.

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

Changes in instruction is the key factor that will most benefit the students. ODE and AWS SEANS standards send themselves to a modular-based program. By using this type of training, content is more effectively delivered allowing more hands-on education without having to wait for available stations through rotations.

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.

We currently use training material from Lincoln Electric and Hobart Institute of Welding Technology which use similar methods for training welding students. These organizations' successes are evident throughout Ohio and across our country along with their percentage of trainees gainfully employed. The amount saved over the five-year period will enable our school to update necessary items at that time for current welding trends. Increasing the number and updating the welding training stations permits our students to have increased hands-on training with the latest technological advances in the field of welding education.

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

** YES  ** NO

22. If so, how?

By duplicating our Welding Lab and including the Virtual Weld Training System. This could be a model used by other welding programs in Ohio with similar time schedules.

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

This will offer the instructor's a way to deliver content standards to meet industry needs in the most effective manner while increasing the hands-on training with the newest advances in vocational welding education.

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.

Improved student success on AWS SENSE individual achievement record. Our program will be more marketable to local businesses and our community for employee training and/or specialized weld training. Student achievement in the classroom lab and in the job market will be increased because of updated training, spending reductions over the five years will be reduced because of the new equipment, and more students will have increased training because of the individual welding labs that will be available.

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.

Data - Successful program completion, WebXamtest scores, AWS SENSE test scores, and ODE Content Standards completion. New ODE Teacher Evaluation System includes student performance measures. The effectiveness of these changes will be discussed with out administration and modified as needed to continue a program of success.

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 - Cecilia Abdalla, Coordinator, Jefferson County Vocational School, October 25, 2013
I Accept - Todd Parker, Welding Instructor, Jefferson County Vocational School, October 25, 2013