## Budget

### U.S.A.S. Fund #:

**Plus/Minus Sheet (opens new window)**

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**Adjusted Allocation:** 0.00

**Remaining:** -810,425.00
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: Expanding Technology to Student Technology through Faculty Modernization and Energy Conservation

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 Western Brown Local School District has reduced its energy consumption through a behavioral program by 24.42% over the past two years amounting to nearly $450,000. This proposed project would allow the district to expand the program and reduce its energy consumption even further with modern and more efficient facilities. The installation of an Encellum Lighting Control System, interior light bulb retrofit and exterior LED lighting retrofit will result in substantially lower electric and maintenance bills and positively impact the five-year forecast allowing the district to create and permanently fund a technology budget that will give students access to the resources they must have to achieve and compete globally.

3. 3067 3. Total Students Impacted:

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

First Name, last Name of contact for lead applicant: Roger, Taylor
Organizational name of lead applicant: Director of Operations and Transportation
Unique Identifier (RN/Fed Tax ID): [Redacted]
Address of lead applicant: 524 West Main St. Mt. Orab, Ohio 45154
Phone Number of lead applicant: 937-444-2044
Email Address of lead applicant: roger.taylor@wb.k12.oh.us

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

First Name, last Name of contact for secondary applicant: Jina, Bohl
Organizational name of secondary applicant: Director of Curriculum and Instruction
Unique Identifier (RN/Fed Tax ID): [Redacted]
Address of secondary applicant: 524 West Main Street, Mt. Orab, Ohio 45154
Phone number of secondary applicant: 937-444-2044
Email address of secondary applicant: jina.bohl@wb.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 (RN/Fed Tax ID), Address, Phone Number, Email Address of Contact for All Secondary Applicants in the box below.

Mark, Putnam, President of Innovative Energy Solutions
Address: 3688 Symmes Road Hamilton Ohio 45015, 513-509-5906, mark.putnam@ies-cn.com

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.

This project would be a team effort between Western Brown Local Schools and Innovative Energy Solutions. The lead applicant, Roger Taylor, serves as the Director of Operations & Transportation for Western Brown Local Schools. Mr. Taylor holds a Master's degree from the University of Dayton in Educational Leadership and is licensed as a K-12 Intervention Specialist, 4-9 & 5-12 Principal and School Business Manager. Mr. Taylor has experience in the areas of project planning, legal bids, coordinating facility maintenance and cleaning, negotiating and monitoring utility expenses, has implemented a district-wide energy conservation program, school transportation policies and procedures, approval of department expenditures, overseeing an internal bus garage and is the direct supervisor for more than 50 employees. Mr. Taylor also is an active member of the district leadership team (DLT), is a credentialed evaluator for the Ohio Teacher Evaluation System (OTES) and was a high school intervention specialist for the district. The secondary applicant, Jina Bohl, serves as the Director of Curriculum & Instruction and Federal Program Coordinator. Mrs. Bohl holds a BA in Psychology, BS in Education, and a Master's degree from the University of Dayton in Educational Leadership. She is licensed as a K-8 teacher and a K-8 principal. Mrs. Bohl has experience in the areas of curriculum alignment and implementation, program planning, coordination with non-profit entities, grant writing and managing federal programs and budgets. Mrs. Bohl also oversees the CCIP, is an Internal Facilitator for the district leadership team (DLT), is a OTES / OPES evaluator for WBLS and leader of tech team. The participating partner for this project, Mark Putnam, serves as the President and majority owner of Innovative Energy Solutions (IES). Founded in 2002, Innovative Energy Solutions, LLC, is an engineering and service company specializing in complete building solutions for the control of mechanical and electrical systems in commercial and industrial buildings. The company is incorporated in Ohio and conducts business in Ohio, Kentucky, and Indiana. IES currently employs over 35 trained and certified professionals who specialize in web-based integrated building management systems including temperature control, lighting control, card access, CCTV, and digital video management solutions. They offer complete engineering, installation and service support for each of these integral building functions. IES is a marketer in third-party systems integrations using open protocol and information technology solutions. IES offers energy management services including energy audits, energy justified retrofits, utility analysis, measurement, and verification. They also provide complete HVAC mechanical and emergency repair services. IES strives to provide customers with the tools and solutions that allow them to effectively manage, control, and maintain their building environment while improving staff efficiencies and reducing overall energy cost. Their talented local staff has a combined total of over 350 years of building control and management experience and brings a wealth of knowledge; providing great benefits of an operating levy. The district serves two small rural communities, Mt. Orab and Hamersville, in Brown County Ohio. As a district, 59% of students receive free and reduced lunches and on the CPP report, 598 / 611 LEAs in total property tax per pupil spending. This project will help solve three problems that Western Brown Local Schools is currently facing. The first problem being the rising cost...
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.

This proposal aims to achieve three specific goals. The first is to reduce utility and maintenance expenditures to provide long-term and sustainable relief to the five-year forecast. The second is to put more technology resources into the hands of students. The third is to increase student achievement through the use of new technologies and learning opportunities. The Western Local School District currently has a partners agreement with Innovative Energy Solutions (IES) for preventative maintenance of the district's HVAC systems. This partnership has been in place for more than a decade and IES has created several scale projects for the district including the installation of the district Energy Management System (EMS). The EMS is used for control of HVAC and parking lot lights. If funding is made available, IES will immediately begin the installation of an Encelium Lighting Control system, bulb renovation and LED luminaire retrofit. As a result of the $10,425 project, it is expected that the district will save $100,230 annually off its Duke Energy electricity bills and avoid $11,000 in annual maintenance expenditures. The $111,230 will provide relief to the five-year forecast and be directly devoted to the creation of an annual student technology budget. In 2009, WBLs was awarded an ARRA 3.5 Technology grant for $250,000. This grant focused on transforming eight middle school classrooms into 21st Century Learning Environments. Overwhelming qualitative and quantitative evidence indicates these students thrive in these blended learning environments. It is the hope of the district that each classroom becomes 21st Century Learning environments where students are engaged, learning is relevant, and technology helps maximize the potential of each student and teacher. Unfortunately, without financial support this is very unlikely due to WSB’s budget and limited resources. The Straight A Grant will give WSB the ability to set aside specific funds for technology and training. It is crucial that students are creating, discussing, and learning through accessing the web, researching, and addressing real world problems. When student learn how to utilize technology tools to access and analyze data and information, collaborate with peers even with physical boundaries, they not only develop a deeper understanding of content but also acquire technology, communication, and critical thinking skills, and market and media literacy. We believe that through these activities, not only academic achievement will be gained but also students and teachers are being prepared to live and work in the 21st Century. An Instructional Technology Advisory Committee (IT dept., principals, teachers, district office personnel and students) will be established to plan, monitor, and oversee expenditures. Specific focus will be placed on acquiring technologies that directly impact the classroom environment, enhance student learning and prepare the district for next generation assessments while also providing training which supports the life-long growth for all learners.

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?

$10,425.00 * 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 overall budget for this project will be a single contract awarded to Innovative Energy Solutions in the amount of $810,425 for all material, labor and commissions costing. This funding will come from the Straigh A Technology grant for $250,000 and the cost of removing the existing interior and exterior lighting systems and replacing them with a new energy saving LED luminaire of comparable style. There are currently 107 wall mounted lights, 111 pole mounted lights and 75 recessed downlights that will be replaced. The total cost of material and labor for this will be $208,500.

15. What new/recurring costs of your innovative project will continue once the grant has expired? If there are new/recurring costs, please explain why.

0.00 * Specific amount of new/recurring costs (annual cost after project is implemented)

* Narrative explanation/inationale: 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.

Once the project is implemented and the grant has expired, the Encelium Lighting Control System, lamp retrofit and exterior LED lighting retrofit renovation will continue to save the district money with zero recurring costs. The district will save additional dollars in maintenance costs from replacing all the interior lighting with new long life lamps and replacing the exterior lighting with long life LED. The savings will grow larger year after year as utility and maintenance costs increase with inflation that will allow the funding of the new technology budget to increase as well. This will allow the district technology oversight committee to keep up with technological advances.

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

111,230.00 * Specific amount of expected savings (annual)

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

If funding is made available, it will immediately begin the project. As a result of the $810,425 project, it is expected that the district will save $111,230 annually. The district will save additional dollars in maintenance costs from replacing all the interior lighting with new long life lamps and replacing the exterior lighting with long life LED. The savings will grow larger year after year as utility and maintenance costs increase with inflation that will allow the funding of the new technology budget to increase as well. This will allow the district technology oversight committee to keep up with technological advances.

17. Provide a brief explanation of how the project will self-sustain. 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 the project will extend itself beyond the life of the grant.

* 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 from implementation to production and how to overcome them.

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

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.

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

This proposal aims to achieve three specific goals. The first is to reduce utility and maintenance expenditures to provide long-term and sustainable relief to the five school districts as the district currently does not have the ability to fund a transportation budget. Both of our local newspapers will be notified and the relationship the district has with both newspapers will certainly make known to the surrounding area that the capital set aside for the Straight A Fund is being used to benefit local students. The district will also track the energy savings using a program called EnergyCAP. The district has used the software for two years and it has proven to be accurate in its ability to track and monitor electric, gas, water and sewage savings. Every utility bill is entered and the program adjusts for weather. While tracking the energy savings, a committee of district stakeholders (IT dept., principals, teachers, district office personnel and students) will be established to maintain and oversee expenditures. With permanent funding in place, the district will be able to develop a long-term plan for its technology needs.

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

Several significant changes will result from being awarded Straight A funding. First, the new lighting technology will result in lower electric bills. Second, the maintenance team will have more time to devote to other endeavors because they will no longer be replacing bulbs as frequently. Third, several of the districts short and long-term technology needs will be met through the savings. In the short-term, the district will be able to begin preparing for itself for next generation assessments. In the long-term, technology will become a funded priority. A district committee will be developed to manage and fund the project.

22. If so, how?

This project can be implemented across the state by utilizing a verified energy services company to survey and provide a report on justifiable energy savings. Utilizing this report to implement the solutions and maintain the costs savings from not needing to replace broken bulbs on a frequent basis.

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

This project will begin long after the grant period has expired. The substantial value of the Encelium Lighting Control System, lamp retrofit and exterior LED lighting retrofit renovation will continue to save the district money with ongoing costs. In fact, the district will save additional dollars in maintenance costs from replacing all the interior lighting with new long life lamps and replacing the exterior lighting with long life LED. The savings will grow larger year after year as utility and maintenance costs increase with inflation that will allow the funding of the new technology budget to increase year after year as well. This will allow the school district to keep up with technological advances. The $111,230 set aside will be critical in the long run and the district will have a sustainable way to continually improve student outcomes, create and maintain a technology budget, and provide technology and support students for a digital world in college and careers.

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.

This proposal aims to achieve three specific goals. The first is to reduce utility and maintenance expenditures to provide long-term and sustainable relief to the five-year forecast. The second is to put more technology resources into the hands of students. The third is to increase student achievement through the use of new technologies and learning opportunities. The necessity for new technology is even more pressing with next generation assessments amongst us. The Western Brown Local School District has reduced its energy consumption through a behavioral program by 24.65% over the past two years amounting to more than $450,000. This proposed project would allow the district to expand the program and reduce its energy consumption even further with modern and more efficient facilities. The installation of an Encelium Lighting Control System, interior light bulb retrofit and exterior LED retrofit will result in substantially lower electric bills and positively impact the five-year forecast allowing the district to create and permanently fund a technology budget. The district will also track the energy savings using EnergyCAP. The software has been used for two years and it has proven to be accurate in its ability to track and monitor electric, gas, water and sewage savings. Every utility bill is entered and the program adjusts for weather. The impact of this grant on the district would be substantial as the lighting retrofit would take place in every school building impacting every employee and student on campus. In summary the cost avoidance from the lighting retrofit would be sustainable and benchmarked using the EnergyCAP software. The $111,230 in utility savings will result in savings to the five-year fiscal forecast. The savings will then be used to fund the technology budget and provide more resources for students at the classroom level.

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 electric utility savings will be measured on a monthly basis using EnergyCAP software. The cost avoidance and savings data will be shared monthly with faculty and placed on the district website for all stakeholders to view in real time. The district will begin to see the savings immediately and it will begin tracking the savings upon completion of the project. The district will then compile the twelve monthly reports into an annual report that will detail exactly how much is saved as a result of the project. Additionally, the director of operations & transportation will closely monitor maintenance expenditures and track savings found not from needing to replace broken bulbs on a frequent basis. The expected savings have been calculated conservatively through a comprehensive facility audit and the installation of an Encelium Lighting Control System, interior light bulb retrofit and exterior LED retrofit will deliver the results expected. However, the worst-case scenario would be if the savings from the project did not reach the expected $111,230 annually. If this occurs, IES will first be contacted to examine the new system and to make sure it is performing as expected. As a last resort, the $111,230 budgeted for student technology could be modified to match the actual savings. However, the installation of an Encelium Lighting Control System, interior light bulb retrofit and exterior LED retrofit has proven to be effective in other school districts and modification is not expected to be necessary. Completion of the project will be no later than August of 2014 the lessons learned from the project can and will be shared with other education providers in Ohio.

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
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<th>Name</th>
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<tr>
<td>Roger Taylor</td>
<td>Director of Operations and Transportation, Western Brown Local Schools</td>
<td>10/24/2014</td>
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<tr>
<td>Jina Bohl</td>
<td>Director of Curriculum and Instruction, Federal Programs Coordinator, Western Brown Local Schools</td>
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