

Budget Narrative

Personnel

Marion County Project Manager- 2,100 hours FTE at the rate of \$100.00 per hour per year for three years totaling \$210,000 salary per year = \$630,000 for the 3-year total.

The Marion County Project Manager is responsible for overseeing the implementation of this project aimed at promoting the adoption of hydrogen fuel cell technology in transportation within Marion County. This position plays a crucial role in managing various aspects of the grant-funded project, ensuring compliance with grant requirements, coordinating with stakeholders, and driving the successful execution of project objectives.

Fringe

Marion County Project Manager- Fringe benefits are calculated at a rate of 20% for a yearly salary of \$210,000 totaling \$42,000 in fringe per year with a total of \$126,000 over the three-year grant program. Fringe Benefits = \$210,000 * 0.20 = \$42,000 per year. Total Benefits = \$42,000 * 3 = \$126,000 over the three-year grant program.

Travel

Cost of Travel- Members will travel years one and two of the three-year grant.

Year One: \$14,700 Total

- Two delegated members will travel to visit battery energy storage vendors at a calculated rate of \$1,000 allocated for two nights lodging accommodations, \$1,000 for airfare, \$250 for vehicle rental, and \$200 per diem for domestic travel needs from West Virginia to Ohio and California totaling \$4,900.
- Two delegated members will travel to visit Electrolyzer vendors at a calculated rate of \$1,000 for two nights lodging accommodations, \$1,000 for airfare, \$250 for vehicle rental, and \$200 per diem for domestic travel needs from West Virginia to Ohio, New York, and California totaling \$4,900.
- Two delegated members will travel to visit hydrogen truck vendors at a calculated rate of \$1,000 for two nights lodging accommodations, \$1,000 for airfare, \$250 for vehicle rental, and \$200 per diem for domestic travel needs from West Virginia to Ohio, Michigan, and California totaling \$4,900.

Year Two: \$5,700 Total

- Two delegated members will travel to visit battery energy storage vendors and installations at a calculated rate of \$300 allocated for two nights lodging accommodations, \$500 for airfare, \$100 for vehicle rental, and \$50 per diem for domestic travel needs from West Virginia to Ohio and California totaling \$1,900.
- Two delegated members will travel to visit Electrolyzer vendors and installations at a calculated rate of \$300 allocated for two nights lodging accommodations, \$500 for airfare, \$100 for vehicle rental, and \$50 per diem for domestic travel needs from West Virginia to Ohio, New York, and California totaling \$1,900.
- Two delegated members will travel to visit Hydrogen Truck vendors at a calculated rate of \$300 allocated for lodging accommodations for two nights, \$500 for flight, \$100 for vehicle rental, and \$50 per diem for domestic travel needs from West Virginia to Ohio, Michigan, and California totaling \$1,900.

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Total Travel Cost for year 2= \$5,700 Total Travel Cost over the 3-year grant period = \$20,400

Supplies

Marion County Administrator Office Supplies- \$2000 year 1 and \$1,000 years 2 and 3 will be allocated to the Marion County Administrator for office supplies over the three-year grant period totaling \$4,000. The following breakdown provides justification for the allocation of funds:

- General Office Supplies: This category includes basic office supplies such as pens, paper, staplers, printers, ink and toner, and other consumables essential for day-to-day operations.
- Filing and Storage Solutions: Filing cabinets, folders, binders, and storage boxes are indispensable for organizing project documents, maintaining records, and ensuring easy access to essential information. Proper filing and storage solutions contribute to improved efficiency, document management, and compliance with grant reporting requirements.
- Software Licenses and Subscriptions: Some funds may be allocated towards the procurement of software licenses or subscriptions for essential productivity tools, project management software, or communication platforms. Access to appropriate software solutions enhances workflow efficiency, data management, and collaboration within the project team.
- Shipping and Postage: Funds may be allocated for shipping costs, postage fees, and courier services associated with mailing documents, packages, or materials to stakeholders, partners, or grant administrators. Timely and reliable shipping services are essential for meeting project deadlines and ensuring effective communication with external parties.

Subrecipient

Region VI Planning and Development Council- Region VI will administer the CPRG Grant throughout the three-year grant period. Budget allocated for administration is \$50,000 per year totaling \$150,000. Duties will include:

- Budget Management: Region VI will track expenses, review financial reports, and make adjustments as needed to maintain financial compliance.
- Compliance and Reporting: Region VI will ensure compliance with grant requirements, regulations, and reporting deadlines established by the funding agency. They prepare and submit progress reports, financial reports, and other documentation as required by the grant agreement.
- Grant Closeout and Final Reporting: At the conclusion of the grant period, Region VI will oversee the closeout process, ensuring that all project activities are completed, final reports are submitted, and any remaining funds are appropriately allocated or returned to the funding agency.

Contractual

Site Preparation (Contractor TBD) – Site prep will be contracted out through a competitive bidding process. Funding allocated to this specific contract is \$250,000 year one and \$500,000 year two with no budget item for year three totaling \$750,000 over the three-year grant period. Site preparation will include:

- Clearing the site of any existing structures or other obstacles that may impede construction activities.

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- Leveling and shaping the ground to meet the design specifications for the project.
- Identifying the location of existing utilities such as water lines, sewer lines, gas lines, electrical cables, and telecommunications infrastructure. Utilities may need to be relocated or protected to avoid interference with construction activities.
- Installing new utility infrastructure as needed to support the construction project, including water, sewer, electrical, and telecommunications systems.
- Implementing measures to prevent soil erosion and sediment runoff during construction activities.
- Establishing temporary access roads, driveways, and entrances to the construction site to facilitate the movement of vehicles, equipment, and personnel.
- Setting up temporary facilities such as construction trailers, office space, storage areas, and restroom facilities to support construction operations. These facilities provide a workspace for project management, administrative staff, and onsite personnel.
- Implementing security measures to protect the construction site from unauthorized access, vandalism, and theft. This may include installing fencing, gates, lighting, and security cameras.
- Adhering to environmental regulations and obtaining necessary permits for site preparation activities.
- Conducting detailed surveys of the site to determine property boundaries, topography, and existing features. Site layout involves marking out the locations of proposed structures, roads, utilities, and other site elements according to the project design.

Industrial Access Road Upgrade (Marion County + WV)- Budget quote from Holt Renewables - scope will be competitively bid. Funding allocated for this contract is \$200,000 year one and \$1,600,000 year two with no budget allocation year 3 totaling \$1,800,000 over the three-year grant period. The upgrade process will involve:

- a thorough survey and assessment of the existing road access to identify deficiencies, such as pavement condition, alignment issues, drainage problems, and safety concerns;
- determining the scope of the upgrade project during the development of design plans;
- aligning the road to improve visibility, navigation, and drainage and paving for durability and quality;
- constructing drainage infrastructure including culverts, ditches, and stormwater management systems, will prevent water accumulation and erosion on the road surface;
- relocating underground utilities such as water lines, sewer lines, gas lines, or electrical cables that may intersect with the road upgrade project;
- factoring in environmental considerations to minimize impacts and abide by regulations; and
- conducting regular inspections and testing will ensure that construction activities meet design specifications, industry standards, and regulatory requirements.

Solar Farm Purchase/Installation (Contractor TBD)- Budget quote from CEC - scope will be competitively bid. Funding allocated for this contract includes, \$1,000,000 year one, \$5,000,000 year two, and

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\$5,700,000 year three totaling \$11,700,000 over the course of the three-year grant project. This work will include:

- obtaining necessary permits and regulatory compliance documents from local authorities, utility companies, environmental agencies, and other relevant stakeholders;
- developing detailed engineering plans and specifications for the solar farm layout;
- procuring the solar panels, inverters, racking systems, transformers, cables, monitoring systems, and other necessary equipment;
- clearing and grading the site; installing the solar panels and related equipment;
- testing the functionality, performance, and safety of the solar farm system; and
- providing training to operational staff on the maintenance, operation, and safety procedures for the solar farm.

Battery Energy Storage System Purchase/Installation (Contractor TBD)- Budget quote from Holt Renewables - scope will be competitively bid. Funding allocated for this contract includes **year one \$2,000,000, year two \$2,000,000, and year three \$3,889,000 totaling \$7,889,000 over the course of the three year grant program.** Activities for this contract include:

- obtaining necessary permits; clearing and grading the site;
- procuring equipment and materials; developing engineering plans and specifications;
- installing battery modules, racks, and thermal management systems according to the approved design plans and specifications;
- implementing control systems, monitoring systems, and software solutions to manage battery charging, discharging, and performance optimization;
- testing the performance of the BESS; and
- training staff on the operation, maintenance, and safety procedures for the BESS.

Electrolyzer Purchase/Installation (Contractor TBD)- Budget quote from Cummins - scope will be competitively bid. Funding allocated for this contract includes **\$1,000,000 year one, \$1,000,000 year two-, and \$1,500,000-year three totaling \$3,500,00** throughout the three-year grant program. Activities for this contract include:

- obtaining necessary permits; identifying the appropriate type and size of electrolyzer system based on project requirements, hydrogen production capacity, and budget considerations;
- procuring and installing electrolyzer units and associated equipment according to manufacturer guidelines and engineering specifications;
- installing safety systems, emergency shutdown mechanisms, and ventilation equipment to mitigate risks associated with hydrogen production and handling;

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- conducting factory acceptance tests (FATs) and site acceptance tests (SATs) to verify the functionality, performance, and safety of the electrolyzer system; and
- establishing electrical connections, power distribution systems, and utility connections necessary for the operation of the electrolyzer.

Hydrogen Vehicles Purchase/Transport (Contractor TBD)- Budget quote from Cummins - scope will be competitively bid. Funding allocated for this contract includes \$1,000,000 year one, \$1,000,000 year two, and \$9,600,000 year three totaling \$11,600,000 over the course of three years. Activities for this contract include:

- coordinating logistics and transportation arrangements for the delivery of hydrogen vehicles from the manufacturer or dealership to the designated deployment location and
- conducting pre-delivery inspections (PDI) and quality checks to verify that vehicles meet specifications, safety standards, and regulatory requirements.

Water Supply + Treatment (Contractor TBD)- Market Estimate - scope will be competitively bid. Funding allocated to this contract includes \$200,000 year two and no allocation for years one and three. Activities with this contract include:

- designing and constructing infrastructure for water intake, conveyance, and transport from the source to the treatment facility or distribution network;
- implementing leak detection programs and technologies to identify and repair leaks in the water distribution system; and
- ensuring compliance with regulatory requirements, reporting obligations, and permit conditions associated with water supply and treatment activities.

Power Interconnect + Substation (Contractor TBD)- Market Estimate - scope will be competitively bid. Funding allocated to this contract includes \$700,000 in year two and no allocation for years one and three. Activities for this contract include:

- obtaining necessary permits; developing engineering plans;
- procuring equipment and materials;
- installing electrical equipment and infrastructure within the substation; and
- testing the equipment functionality, performing insulation tests, conducting relay coordination studies, and verifying system performance under various operating conditions.

Separator + Dryer + Compressor (Contractor TBD)- Market Estimate - scope will be competitively bid. Funding allocated to this contract includes \$400,000 year two and no allocation for years one and three. Activities for this contract include:

- procuring equipment and materials;
- designing and constructing foundations or structural supports for the separator, dryer, and compressor units;

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- installing the separator, dryer, compressor, piping and electrical wiring and controls; and
- testing the system.

Engineering + Project Management (Contractor TBD)- Market Estimate - scope will be competitively bid. Funding allocated to this contract include **year one \$500,000, year two \$750,000, and year three \$1,000,000 totaling \$2,250,000 over the course of three years.** This contract will cover:

- project initiation and planning;
- identifying and procuring necessary personnel, equipment, and materials;
- assembling project teams and providing them with training, guidance, and support as needed;
- overseeing the development of engineering designs;
- ensuring compliance with applicable codes, standards, and regulations; monitoring project progress, milestones, and key performance indicators;
- establishing quality standards, processes, and procedures;
- providing regular updates, progress reports, and status meetings; and
- engaging with stakeholders to gather feedback, address concerns, and manage expectations.

H2 Systems Consultant (System Integration, Vehicle Purchase, Pre-start O&M) - Market Estimate - scope will be competitively bid. Funding allocated for this contact is **\$100,000 per year each year of the three-year grant totaling \$300,000.** Activities for this contract include:

- assisting with the research and procurement of hydrogen vehicles;
- collaborating with engineers, architects, and contractors to design and deploy H2 fueling infrastructure, including hydrogen production, storage, dispensing, and safety systems;
- overseeing the technical integration of H2 systems with existing infrastructure, vehicle fleets, and control systems;
- conducting compatibility tests, performance evaluations, and commissioning activities to ensure seamless integration and interoperability;
- providing training to operational staff on H2 safety protocols, equipment operation, and maintenance practices;
- ensuring compliance with safety regulations, industry standards, and best practices for handling, storing, and dispensing hydrogen; and
- implementing monitoring systems, data analytics tools, and performance metrics to track the efficiency, reliability, and utilization of H2 systems.

Other Direct Costs

- Land Purchase for Solar Farm, required for clean power production. Market comps and appraisal **\$1,240,000.**

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- Land Purchase for Battery + Electrolyzer, required for hydrogen production. Market comps and appraisal **\$30,000**.
- Land Purchase for Vehicle Parking / Services, required for vehicles. Market comps and appraisal **\$200,000**.
- Community Outreach and Services, necessary for project acceptance by local community, **\$25,000 allocated for year one and \$25,000 for year two totaling \$50,000**. Activities for Community outreach include: Conducting surveys, interviews, focus groups, and other forms of data collection to understand the needs, assets, and priorities of the community; building relationships with community members, organizations, local leaders, and stakeholders to foster collaboration and collective action; and facilitating community meetings, forums, and workshops to solicit input, gather feedback, and involve residents in decision-making processes.

Indirect Cost

General and Administrative (G and A) for the rental of office space funding is allocated at the amount of **\$21,000 per year over the course of three years totaling \$63,000**. G&A cost rate is **10% each year for a total of three years**.

Cost Share/ Match:

Marion County Cash Match:

Marion County has entered into an agreement with the WV Dept. of Highways to contribute matching funds based on WV Indust. Access Road (IAR) match funding requirements. This agreement funds **\$200,000 year one and \$100,000 year two making a total cash match of \$300,000 over the course of the three-year grant program**.

West Virginia Industrial Access Roads Fund Cash Match

WV Department of Highways has entered into an agreement with Marion County to contribute funds per the WV Industrial Access Road (IAR) program. Funding allocated for this project launches **year two with \$1,500,000** and no allocation for years one and three.

TOTAL PROJECT COST: \$43,652,400

TOTAL EPA CPRG FUNDING REQUEST: \$41,852,400