

# Request for Proposals (RFP)– Solar PV + Battery Storage Systems for Rural Health Centers in the US Southeast under DOE ERA FOA

## 1. Introduction and Program Background

Collective Energy Management, LLC invites qualified firms to submit proposals to engage under a **Master Service Agreement (MSA)** to deliver turnkey solar photovoltaic (PV) plus battery energy storage systems (BESS) across a portfolio of rural health center facilities in eight states in the US Southeast (MS, AL, GA, FL, NC, SC, KY, TN). This initiative is funded by the U.S. Department of Energy (DOE) Office of Clean Energy Demonstrations (OCED) under the Energy Improvements in Rural or Remote Areas (ERA) Program, a Bipartisan Infrastructure Law (BIL) program targeting innovative clean energy solutions in communities of under 10,000 people. The goal of the program is to improve energy resiliency, reliability, and affordability for rural and underserved communities through deployment of solar+storage microgrids. Each health center site will serve as a demonstration of resilient solar+storage technology delivering sustained benefits to communities.

**Project Objectives:** The selected Contractor(s) will perform two phases of tasks:

- **Phase 1:** Completed and stamped engineering design and permit submissions to appropriate authorities having jurisdiction (AHJs) and utilities;
- **Phase 2:** Construction, installation, commissioning, and handover of solar+storage systems

**Contracting Structure:** The first **Work Authorization(s) (WA)** under this MSA will include the scope for completing (Phase 1) engineering design and permit submissions for up to eight (8) sites. Subsequent **Work Authorization(s) (following approval by the Department of Energy)** will govern (Phase 2) the construction and installation for these 8 sites. Systems must be designed to improve clinic resilience (providing backup power during outages), reduce electricity costs (through solar generation and peak load management), and participate in advanced grid programs. Key technical capabilities required include: islanding, peak shaving, demand response and VPP integration where available.

**Funding and Compliance:** Because this project is supported by federal funds from DOE OCED, all work must comply with applicable federal requirements, including the [ERA program guidelines](#). This RFP and the resulting **MSA(s)** are designed to meet DOE's requirements for open competitive selection of contractors under the ERA program. The DOE ERA initiative places strong emphasis on domestic sourcing and labor standards, which are reflected in this solicitation's requirements (see Section 6). **Work Authorizations will all be issued subject to DOE approval and funding.**

## 2. Master Agreement Term and Scope

**2.1 Master Service Agreement:** This Agreement is intended to govern the overall relationship between the parties for multiple projects. The termination of this **MSA** shall not automatically terminate any duly executed existing **Work Authorizations** (as defined below) in progress, which shall continue to be governed by this Agreement unless separately terminated or as otherwise agreed by the Parties. Future **Work Authorizations**

will be terminated if the **MSA** is terminated. Future projects may also be added to this **MSA** subsequently (with approval from the DOE) upon successful completion of initial projects.

**2.2 Scope of Agreement:** This Agreement does not obligate the Customer to purchase, nor the Contractor to provide, any minimum quantity of services or projects. Funding is only obligated through executed **Work Authorizations**. Each **Work Authorization** is separately reviewed for scope, budget, and compliance with Uniform Guidance procurement and cost principles. No payment shall be due under this MSA until a **Work Authorization** is signed by both parties. The total scope of the DOE award is up to 125 projects, and bidders will be eligible to compete for the total scope, however this MSA only covers the first 8 projects.

The purpose of this **MSA** is to establish the general terms and conditions that will apply to individual project engagements. Each project will be defined and authorized in a separate **Work Authorization** as described in Section 3. The terms of this **MSA** shall apply to all **Work Authorizations** and project work between the Parties, ensuring consistency across projects. In the event of any direct conflict between the terms of this **MSA** and a **Work Authorization**, the specific terms of the **Work Authorization** shall govern for that project **only**, but all other non-conflicting terms of this **MSA** shall remain in full force and effect.

**2.3 Non-Exclusivity:** Unless otherwise stated in writing, this Agreement is not exclusive. Customer is free to engage other contractors for similar services, and Contractor is free to provide services to other clients, provided that any Confidential Information (defined below) or intellectual property of the other Party is protected by this Agreement.

### 3. Work Authorizations

**3.1 Issuance of Work Authorizations:** Specific projects and services under this **MSA** will be initiated through written **Work Authorizations**. A “**Work Authorization**” (or “**WA**”) is a document that is executed by both Parties and references this **MSA**. Each **WA** shall describe the particular project or scope of services to be performed by Contractor for Customer. No project work shall commence until a **WA** has been signed by both Parties, indicating mutual agreement to proceed.

**3.2 Content of Work Authorizations:** Each **WA** shall include, at a minimum, the following details specific to the project:

- **Scope of Work and Deliverables:** A description of the project, including the site(s) or location(s), and the tasks, services, and deliverables Contractor will provide (e.g. engineering design documents, permit submittals, BOS equipment procurement, construction/installation work, commissioning, etc.).
- **Project Execution Model:** The delivery model for the project will be performed across two phases.  
**Separate Work Authorizations will be issued for Phase 1 & 2.**
  - o **Phase 1** – Design and Engineering culminating in 100% stamped engineering plan sets approved by the applicable AHJ and interconnection application approved by applicable utility
  - o **Phase 2** – Construction of solar and storage system with accompanying permission to operate from local utility. Phase 2 construction **Work Authorizations** may be awarded to

the selected **MSA** contractor(s) without further competition, provided pricing remains within the competitive range established in this RFP and performance on Phase 1 is satisfactory.

- **Project Schedule:** The expected start date, key milestones (if any), and completion date or duration for the services and project delivery.
- **Compensation and Payment Terms:** The pricing for the project and payment schedule, including the total contract price, any not-to-exceed amount or budget, and the timing of invoices and payments (e.g. milestone billing or monthly invoices). Unless otherwise specified in a **Work Authorization**, the following standard payment terms will apply: (a) Net 45 days from receipt of properly submitted invoice, (b) invoices must include all required backup documentation and federal compliance certifications, (c) payment subject to Customer's approval by DOE of allowable costs, and (d) no interest or late fees will accrue during normal processing periods.
- **Performance Evaluation Criteria:** **WAs** will include performance metrics and evaluation criteria, including schedule adherence, quality benchmarks, safety performance, and federal compliance ratings that may influence future **Work Authorization** awards.
- **Special Terms or Conditions:** Any project-specific terms, assumptions, or modifications to the general terms (for example, any performance guarantees, specific acceptance criteria, liquidated damages, incentives, site-specific conditions, or customer-provided items).
- **Contacts:** The designated project manager or representatives for each Party for that **WA**, for operational communications and decisions.

All **Work Authorizations** shall be incorporated into the **MSA** by reference.

**3.3 Execution and Modification:** A **WA** becomes binding only after it is signed by authorized representatives of both Customer and Contractor. Changes to an existing **WA** (such as changes in scope, price, or schedule) must be agreed in writing through a change order or amendment to the **Work Authorization**, signed by both Parties.

**3.4 Independence of Work Authorizations:** Each **WA** shall stand on its own as a separate contractual engagement under the **MSA**. Default or breach by either Party with respect to a particular **WA** shall be handled in accordance with this Agreement but, unless otherwise stated, shall not by itself automatically cause the termination of other **Work Authorizations**. Similarly, completion or termination of one **Work Authorization** does not affect other **Work Authorizations** then in effect, which shall continue under this **MSA**.

## 4. Scope of Work

The **MSA** will encompass turnkey delivery of solar PV and battery energy storage projects at the designated health center sites. The scope of work is divided into two primary phases, each of which can be provided by the Contractor for each site:

## 4.1 Phase 1 – Engineering and Permitting

**4.1.1 Final Engineering Design:** Upon issuance of WA, the Contractor shall provide full engineering services to develop permit-ready designs for each site’s solar + storage system. This includes electrical engineering (single-line diagrams, conductor schedules, protection schematics, control system design for microgrid/islanding operation, communications/network design for remote monitoring and utility integration), structural engineering for PV mounting (roof or ground), civil engineering (if ground mount or site work is needed), and any architectural considerations. Designs must comply with all relevant codes, standards, and utility interconnection requirements. Each system’s control strategy must be defined to achieve: (a) islanding and reconnection without grid backfeed, (b) automated battery dispatch to minimize peak usage and shift energy per the facility’s TOU schedule, and (c) interface with utility or aggregator platforms for demand response or VPP signals.

**4.1.2 Deliverables (Phase 1):** For each site – Complete permit package (drawings and engineering calculations stamped by professional engineers as required), spec sheets, and all other accompanying documentation. Stamped and approved plan set issued by the respective AHJ with the contractor. Complete interconnection application ready for submittal to applicable utility. Contractor shall submit the Design Documents to Customer for its review and approval and then submit to applicable utility and AHJs upon approval from Customer.

## 4.2 Phase 2 – Construction and Installation

**4.2.1 Procurement:** Due to the nature of the federal procurement requirements, the Customer will be responsible for purchasing the major components (solar panels, inverters, BESS, switchgear, disconnects, etc.). The Contractor will be responsible for the procurement of the balance of the system (BOS) components. The Contractor will provide the Customer with a Bill of Materials (BOM) outlining the BABA-compliant (unless a waiver has been obtained by the Customer) required major components to be purchased as part of a WA for each project.

**4.2.2 Construction and Installation:** The Contractor will provide turnkey construction services for each site, including mobilization, site preparation, installation of PV panels and racking, battery system deployment (with any required enclosures or climate controls), wiring and interconnection into the facility’s electrical system, and integration of control systems. Construction must be coordinated to minimize disruption to clinic operations. The Contractor will have already secured all necessary permits (building/electrical permits, fire department approvals for battery systems, etc.) and arrange all required inspections and approvals.

**4.2.3 Interconnection & Commissioning:** The Contractor will manage the interconnection process with the local utility, including applications, any required grid upgrades or metering changes, and ensuring compliance with utility standards. Each system will be commissioned with thorough testing: verifying proper operation in grid-tied mode, executing an islanding test (disconnect from grid and supply critical loads on backup power), verifying battery charge/discharge schedules, and testing demand response commands or signals if applicable. The completed system must meet performance expectations and safety standards. The Contractor shall provide training to facility staff on system operation, including how the microgrid controller works during outages and any routine tasks or responses needed from site personnel. Access will be provided to facility staff as well as the Customer for remote monitoring of the system.

**4.2.4 Advanced Features Integration:** During this phase, the Contractor must implement the following capabilities for each system (as applicable to the site and utility context):

- *Resilience/Islanding*: Install and configure an automatic transfer switch or comparable system that isolates the clinic's critical load panel, or entire facility depending on design, during an outage and allows the PV and battery to form an islanded microgrid. Ensure seamless transition and stable autonomous operation, and synchronization for smooth reconnection when grid power returns.
- *Energy Management for TOU Shifting*: Program the energy management system (EMS) or battery controller to charge and discharge optimally based on time-of-use rates or schedules. For example, charge batteries with midday solar or off-peak power and discharge during late afternoon peak periods to reduce grid consumption and minimize energy costs.
- *Demand Charge Management*: Implement control algorithms to monitor the facility's real-time load and dispatch stored energy to cap the peak demand drawn from the grid. The system should anticipate and respond to spikes in usage to maintain demand below target thresholds thus mitigating demand charges.
- *Demand Response/VPP Readiness*: Equip systems with controls that can receive external signals (e.g. OpenADR or other utility dispatch signals) to either shed load or export power during demand response events. If the utility operates a VPP or NWA program, ensure the system's hardware and software meet any enrollment requirements (such as telemetry, remote control interfaces, or adherence to certain operational profiles). The Contractor may need to coordinate with the utility or program operator to integrate the site's battery dispatch into a broader network during grid support events.

**4.2.5 Quality Control and Safety:** All work must follow OSHA safety regulations and industry best practices. The Contractor must have a site-specific safety plan for construction. All installed systems will undergo quality inspections. Prior to acceptance, performance will be verified over a short test period (e.g. ensure the system operates correctly for at least 30 days and successfully handles at least one simulated outage or demand response event).

All construction and installation labor must adhere to federal labor standards – specifically, prevailing wage requirements under the [Davis-Bacon Act](#) (as this project is federally funded under BIL). All laborers and mechanics employed in the construction, alteration, or repair work under this project must be paid wages at rates not less than the prevailing wages for corresponding work in the locality, as determined by the U.S. Department of Labor. Contractors will be required to submit weekly certified payrolls and comply with all Davis-Bacon reporting and compliance protocols.

**4.2.6 Workmanship and Correction of Defects:** Contractor shall execute the construction and installation work in a good and workmanlike manner. Unless otherwise provided in a WA, Contractor, at its cost, will promptly correct any workmanship defects or non-conformance with the agreed specifications that are identified during the performance of the work or within the warranty period of 5 years. After completion, if any portion of the work is found not to conform to the requirements of the Agreement or the applicable WA, Contractor shall correct it upon notice from Customer, as per the warranty terms.

**4.2.7 Deliverables (Phase 2):** Upon issuance of Permission to Operate from the utility the contractor will offer in person training to designated health center representatives on the use, monitoring and maintenance of the system. Closeout documentation is required to be delivered to the Customer as well as the host. Closeout documentation shall include the following:

- As-built plan set
- Signed Inspection card
- Interconnection agreement

- Proof of permission to operate
- Commissioning report
- Applicable warranties (Solar modules, inverters, battery, roof, etc.)
- Online monitoring guide
- Contact for workmanship warranty claims

## 5. Project Sites (Portfolio Description)

This program will deploy systems at a portfolio of health center sites across the Southeastern United States. **Attachment A** to this RFP provides a preliminary site plan consisting of proposed system size and array location the initial 8 project sites. All sites are Federally Qualified Health Centers (FQHCs) serving rural populations. The sites must be located in Kentucky, Alabama, Mississippi, Florida, Tennessee, Georgia, North Carolina and South Carolina. All sites are in rural or remote areas with populations <10,000, aligning with the DOE program's definition of eligible communities.

Each bidder should review the site information in **Attachment A**. Bidders may propose to serve specific geographic regions or states within the portfolio. Clearly identify any geographic limitations in your proposal. Bidders may not be awarded all sites in the event another bidder is better suited to complete the corresponding **WA**. In the proposals, bidders may highlight any particular site challenges they anticipate (based on the provided data) and how those would be addressed. The **MSA** mechanism will allow scope and pricing to be finalized for each site via individual **Work Authorizations**, but the general terms and contractor team will remain consistent.

**Future Sites:** The Customer reserves the right to add or remove sites from the portfolio. Likewise, if any listed site does not proceed (due to infeasibility or funding change), the Customer will not be obligated to issue a **Work Authorization** for that site.

## 6. Instructions to Bidders

### 6.1 General Proposal Requirements

**Proposal Content:** Bidders shall prepare a clear and concise proposal addressing the requirements of this RFP. The proposal must include the following sections at minimum:

**6.1.1 Executive Summary:** Overview of the firm or team, understanding of the project's goals, and summary of key features of the proposal.

**6.1.2 Technical Approach:** Detailed description of how the bidder will carry out each phase of the scope of work. This should demonstrate an understanding of the advanced resilience and grid integration features. Bidders should describe any unique methodologies, tools, or technologies they will use to meet the project requirements (e.g. software for microgrid modeling, special control strategies, BABA compliant equipment, etc.).

**6.1.3 Project Management Plan:** Explain how the work will be organized and managed. Identify key personnel responsible for project phases (e.g. project manager, lead designer). Include an organizational chart if applicable. Discuss how the firm will manage simultaneous deployment at

multiple sites (resource availability, logistics, local crews, etc.), and how communication with the Customer will be handled.

*6.1.3.1 Staffing and Team:* Identify the key team members who will be assigned to this project (feasibility engineers, electrical/design engineers, etc.), along with their titles, roles, and relevant experience. If subcontractors or partners are part of the team (e.g. a specialty microgrid controls partner or a local construction partner), clearly indicate their role and the contractual relationship. If subcontractors or partners are a part of the team, Bidders must submit a separate subcontractor plan as indicated in **Section 6.2**.

**6.1.4 Experience and Qualifications:** Provide evidence of the firm's (and any subcontractors') qualifications. This should include summaries of relevant projects successfully completed – especially projects involving solar + storage systems with islanding (microgrids), critical facility backup power, or integration into utility demand response programs. Include client references for at least [3] similar projects. Highlight experience in rural and remote communities and in the Southeastern U.S. or similar regions and experience working with federally funded projects or public sector clients if any. Also list any certifications (e.g. NABCEP for solar installers, PMP for project managers, PE licenses for engineers in relevant states, electrical contractor licenses, etc.).

**6.1.5 Schedule:** Present a high-level schedule outlining how the bidder will sequence the work. Include estimated timeframes for design/engineering (with an indication of how many sites can be handled in parallel) and subsequent installation and Permission to Operate.

**6.1.6 Pricing:** Provide the pricing structure for the project. Since this RFP covers multiple projects under an **MSA**, the bidder should detail pricing by phase and site rather than a single lump sum. This should include:

*6.1.7.1 Design and Engineering Phase:* Engineering and design services will be performed on a firm fixed-price basis per site. Sites do not need to have the same fixed price since there are variations between fees and permits across the locations, but all design and engineering plans will include a firm fixed-price basis.

*6.1.7.2 Construction Phase:* For the construction phase of each project, bidders must provide indicative pricing that reflects their typical cost structure and unit pricing approach. While final pricing for each site will be established through individual **WAs**, bidders must submit a standardized pricing breakdown in their proposal to enable consistent evaluation and price reasonableness analysis.

At a minimum, the construction pricing section of each proposal must include:

**Installed Cost per Watt (\$/Watt) for Solar PV Systems:**

Provide the all-in cost for installed solar capacity, expressed in dollars per watt DC. This should include labor, balance-of-system components, mounting structures, and all other elements associated with solar installation (excluding customer-supplied major equipment, as applicable).

**Installed Cost per Kilowatt-Hour (\$/kWh) for Battery Storage Systems:**

Provide the indicative cost per usable kWh of installed battery capacity, inclusive of

installation labor, electrical integration, enclosures, control systems, and any necessary fire safety or thermal management features.

**Typical Cost Breakdown:**

Include a breakdown of the construction phase costs by category, such as labor, materials (excluding government-purchased equipment), subcontractor costs, general conditions, overhead, and profit. This breakdown will help the evaluation team understand your pricing methodology and support cost reasonableness determinations.

**Unit Pricing for Major Tasks or Equipment (if applicable):**

Where feasible, provide unit pricing for specific construction tasks or equipment components (e.g., price per inverter installation, per foot of trenching, per rooftop ballast system installed).

The proposal should clearly state any pricing assumptions, exclusions, or conditions that influence the indicative pricing (e.g., assumed system size ranges, site accessibility, or regional labor cost variations). Bidders may supplement this section with additional details or a rate schedule but must include the requested pricing in the specified format to be considered responsive.

**6.1.8 BABA Compliance Approach:** Bidders should demonstrate understanding of BABA requirements and describe their general approach to compliance, including: experience with domestic suppliers for major equipment categories, methodology or resources used for tracking domestic content percentages, any anticipated BABA challenges for typical solar+storage systems. **Note:** Customer will be responsible for submitting BABA waivers if necessary.

**6.1.9 Certifications and Forms:** Complete all required forms included in this RFP. This includes certifications regarding debarment (that the firm is not debarred or suspended from federal contracts), compliance with federal requirements such as Davis-Bacon and BABA (acknowledgement of intent to comply), and any other certifications. This includes a signed certification that the bidder and its affiliates have no conflict of interest in accordance with 2 CFR 200.318(c)(1), and that neither organizational nor personal conflicts will impair impartial procurement decisions. Bidders should limit marketing content and focus on substantive information. Proposals must be written in English. All measurements should be provided in customary U.S. units (with metric equivalents as needed).

## 6.2 RFP Schedule and Submission Procedure

- **RFP Issue Date:** Thursday August 21st, 2025
- **Deadline for Questions:** Wednesday September 3<sup>rd</sup>, 2025. Bidders may submit written questions via email by this deadline. Answers will be distributed to all known bidders (and/or posted on the project website) no later than Friday September 12<sup>th</sup>, 2025.
- **Proposal Due Date:** Friday September 19<sup>th</sup>, 2025. Proposals must be received **no later than 5 pm PST** on this date. Late submissions will not be accepted.
- **Submission Method:** Bidders shall submit their proposals electronically (PDF format preferred) to KManess@CollectiveEnergyCo.com. The subject line should reference "Solar+Battery MSA RFP – [Bidder Name]". If file size is large, a secure file transfer link may be used. Hard copy submissions are not required (unless otherwise specified by Owner).



- **Anticipated Award Date:** October 15<sup>th</sup> 2025 – Selected Awardee(s) are subject to pre-approval by DOE. This process can take up to 30 days. Project Start date will commence once DOE has issued approval and MSA negotiations may proceed and that timeline has been accounted for here.
- **Project Start:** The expected start for Phase 1 (engineering) work is November 1<sup>st</sup>, 2025, subject to finalizing the **MSA** and DOE approvals.

**Proposal Format:** There is no strict page limit; however, clarity and brevity are appreciated. The use of the section structure listed in 4.1 is recommended for ease of review. The proposal should be well-organized with a table of contents and section headings corresponding to the requirements. Bidders may include appendices for detailed information (resumes, project descriptions, technical cut sheets, etc.) which do not count against any suggested page limits. However, the main narrative should contain the essential information for evaluation.

**Joint Ventures or Partnerships:** If the proposal is a joint venture or prime-subcontractor team, describe the relationship and which entity will be the prime contracting party. A copy of any joint venture agreement should be provided if applicable. The Customer will contract with a single legal entity (the prime or JV) and that entity will be responsible for performance of all obligations.

**Subcontracting Plan:** If the bidder intends to subcontract any portions of the work (e.g., a local construction firm for installation, an engineering firm for stamped drawings, etc.), the proposal should include a subcontracting plan. Identify all major subcontractors proposed, their roles, and their relevant experience. Note that subcontractors are subject to Customer approval and must also comply with all federal requirements (e.g. labor standards). The selected Contractor shall ensure that all subcontractors comply with applicable federal laws and regulations, including Davis-Bacon, BABA, Equal Opportunity, and flow-down of other federal clauses as required under 2 CFR 200 Appendix II and DOE OCED guidance. Subcontractor agreements must include these clauses. The Contractor will be required to flow-down certain federal contract clauses to all subcontractors and acknowledge willingness to do so.

## 6.3 Proposal Clarifications and Negotiation

During the evaluation period, the Customer may request additional clarifications or data from bidders. Shortlisted firms may be invited to interviews or conference calls to present their proposal and answer questions. The Customer also reserves the right to negotiate with one or more bidders to refine scope, schedule, or pricing. **This RFP may lead to multiple Work Authorizations** – the Customer may determine that awarding to more than one firm is in the best interest of the project (for example, splitting the portfolio by region or site complexity or between phase 1 and phase 2). Conversely, the Customer may award only one **MSA** if one firm is clearly best qualified to handle all sites.

Bidders understand that this solicitation does not commit the Customer to award a contract or pay any costs incurred in preparing a proposal. The Customer reserves the right to cancel the RFP, reject any or all proposals, or award in part or whole, in accordance with the Customer’s policies and DOE requirements.

## 7. Proposal Evaluation Criteria

An Evaluation Committee (consisting of representatives of the Customer, the Primary Awardee, and potentially DOE or independent experts) will review all qualified proposals received. The evaluation will use the following criteria (with relative weightings indicated in parentheses, if applicable) to score proposals:

1. **Technical Approach and Understanding** – 25%. The degree to which the bidder demonstrates a thorough understanding of the project requirements and challenges. Evaluation will consider the proposed methodology for feasibility studies, the soundness and creativity of the engineering approach for integrating solar, storage, and controls (especially for islanding and grid services). Proposals should articulate how the bidder will achieve resilience, TOU shifting, demand response, and VPP integration (if applicable) objectives at the clinics. A clear plan that instills confidence in reliable project delivery and system performance will score higher.
2. **Experience and Qualifications** – 20%. The relevant experience of the firm and key personnel in executing projects of similar nature and scope. This includes successful completion of solar+storage projects, microgrids or islandable systems, projects serving critical facilities (hospitals, emergency centers, etc.), and any experience with utility demand response or aggregation programs. Depth of experience in the Southeastern U.S. (including knowledge of regional utilities and regulations) is a plus. Strong client references, industry certifications, and a track record of delivering projects on time and within budget will be considered. The qualifications of the proposed project team (PM, lead engineer, etc.) to deliver on this project are critical.
3. **Management Approach and Capacity** – 15%. The quality of the project management plan, including the bidder's ability to handle a multi-site program. This criterion looks at how the bidder will coordinate tasks, manage logistics across dispersed rural sites, ensure quality control, and mitigate risks. The availability of resources (staff, equipment, local presence or partners) to start quickly and handle multiple concurrent site projects will be evaluated. A robust schedule and evidence of sufficient staffing or subcontractor arrangements will score well.
4. **Compliance** – (Pass/fail + 15%). This reflects the bidder's compliance with federal requirements. Compliance with debarment/suspension status, labor standards, and domestic content is mandatory– bidders must demonstrate understanding and capability to comply with Davis-Bacon Act requirements and Buy America provisions. This will be evaluated with a pass or fail score. Additional weight will be evaluated by considering the bidder's compliance history or systems in place to handle certified payroll, sourcing domestic materials, and general safety and labor practices.
5. **Cost Proposal and Value** – 20%. Although final project costs will be determined per site, the evaluation will consider the overall cost-effectiveness of the proposal. This includes the reasonableness of the pricing methodology, transparency of cost components, and any value-added offerings. Lower cost alone is not the only factor; the committee will consider "best value" – i.e., the combination of quality and cost. Proposals should make clear how pricing scales with project size and complexity. Any innovative financing or cost-saving strategies (for instance, leveraging volume purchases) can be noted. Cost evaluation will include independent price analysis comparing proposed pricing to industry benchmarks, government databases (RSMeans, etc.), and other responsive proposals. Bidders must provide sufficient cost detail to enable meaningful price analysis per 2 CFR 200.324. Bidders may be asked to clarify or refine costs during negotiation.
6. **Proposal Quality and Completeness** – 5%. The overall professionalism and completeness of the proposal will also be considered. A well-structured, clear, and error-free proposal that includes all requested information will reflect positively on the bidder's attention to detail and communication skills. Adherence to the RFP format and requirements is part of this criterion

The evaluation committee will assign scores for each criterion and develop a ranking of proposals. At the Customer's discretion, a shortlist of top-ranked firms may be established for further negotiation or a best-and-final offer (BAFO) round. The Customer will then proceed to finalize **MSA** contract terms with the selected contractor(s). If multiple awards are made, the Customer will define how sites are allocated (for

example, each awarded contractor may be assigned a subset of sites, or contractors may be asked to competitively quote each site's Work Authorization – specifics to be determined in the **MSA**).

All bidders will be notified of the outcome after selection.

## 8. Federal Compliance Requirements and Special Provisions

This project is financed in part by the U.S. Department of Energy. As such, a number of federal laws, regulations, **and DOE-specific requirements** apply to the solicitation and resulting contract(s). Bidders must agree to comply with all applicable federal requirements, including but not limited to those outlined below. The final MSA will incorporate clauses to ensure compliance. Key requirements include:

### 8.1 Open and Competitive Procurement (DOE OCED Requirement)

The ERA program funding mandates that major procurements by the grant recipient (the Project Customer) are conducted with full and open competition in accordance with federal standards. 2 CFR 200.319 (Uniform Guidance) requires that "all procurement transactions under the Federal award must be conducted in a manner that provides full and open competition". This RFP is issued to fulfill that requirement, and the selection process will be executed in compliance with 2 CFR 200 procurement rules.

Bidders are advised that certain practices are not allowed, as they restrict competition (per 2 CFR 200.319): for example, bid specifications that are too restrictive, conflicts of interest, or arbitrary actions in the procurement process. All offerors will be treated equally; no preference will be given except as explicitly provided in evaluation criteria (e.g. potential consideration of U.S. workforce commitments, which is permitted under 2 CFR 200.319(f)).

The outcome of this RFP may be subject to DOE review and approval. DOE OCED may require documentation of the procurement process to ensure compliance with competitive procurement requirements under the federal award. Bidders should be prepared for the possibility that the Customer might be required to share elements of the proposals or the evaluation process with DOE for concurrence (though proprietary information will be handled in accordance with Section 6.5 confidentiality provisions).

### 8.2 Labor Standards and Workforce Requirements

**Davis-Bacon Prevailing Wages:** As noted in the scope, this project falls under Division D of the Bipartisan Infrastructure Law, and therefore Section 41101 of the law applies. All laborers and mechanics working on construction, alteration, or repair activities funded by this award must be paid at least the locally prevailing wages (including fringe benefits) for corresponding classes of work, as determined by the U.S. Department of Labor's Davis-Bacon Act wage determinations. This requirement will be in force for all on-site construction work (which includes installation of solar panels, battery systems, electrical work, structural work, etc.).

The Contractor and all subcontractors shall be bound by the Davis-Bacon Act and related acts. Weekly certified payroll reports will be required to be submitted to the Customer (who will review and retain them and make them available to DOE or the Department of Labor on request). The Contractor must cooperate with any on-site interviews of workers or audits that might be conducted by federal compliance officers. Failure to pay correct wages or to submit proper documentation can result in payment withholding or other sanctions. Bidders should review the Department of Labor wage determinations for the counties of the project sites (these will be provided or referenced in the **MSA**) and ensure their labor cost estimates reflect these wages.

Additionally, to support workforce development, bidders are encouraged to make use of registered apprenticeship programs and to provide on-the-job training opportunities as part of the project. While not a strict requirement of this RFP, this aligns with the ERA program's goals. Any commitments to hire or train local workers should be noted in the proposal and will become contractual commitments in the MSA.

**Workplace Safety and Employment Law:** The Contractor must comply with all applicable workplace safety standards (OSHA regulations) and labor laws. The Contractor must maintain workers' compensation insurance and other legally required coverage. Equal employment opportunity (EEO) and nondiscrimination requirements apply – the Contractor will be required to adhere to EEO clauses (per 2 CFR 200 Appendix II and FAR 52.222-26, etc.) which will be included in the **MSA**. The project is also subject to "Ban the Box" fair chance hiring rules and prohibition on certain telecommunication equipment (e.g., no equipment from Huawei, etc., as per federal contracting rules) – relevant clauses will be flowed down.

### 8.3 Domestic Content (Build America, Buy America Act)

The **Build America, Buy America Act (BABA)** requirements apply to this project, as it is an infrastructure project receiving federal funds after May 14, 2022. BABA establishes a domestic content procurement preference – meaning the project should use U.S.-made iron and steel, manufactured products, and construction materials. In particular:

- **Iron and Steel:** All iron and steel products (e.g. structural steel for panel racking, steel poles, rebar, etc., if used) must be 100% produced in the United States, from initial melting through final coating.
- **Manufactured Products:** For manufactured products (which would include items like solar modules, inverters, battery system components, switchgear, etc.), the product must be manufactured in the U.S. and the cost of domestic components must exceed **55% of the total cost** of all components (note: this 55% threshold is subject to OMB guidance updates – current as of 2024). Key components such as solar panels and batteries are considered manufactured products – bidders should work to source these domestically if possible.
- **Construction Materials:** Construction materials (e.g. glass, lumber, concrete, drywall, wiring, etc., that are not covered under iron/steel or manufactured products categories) must also be manufactured in the U.S., meaning all manufacturing processes for those materials occurred domestically.

**Waivers:** If a bidder anticipates any difficulty in meeting BABA for certain items (for instance, if a specific advanced battery technology is only available from foreign sources), the proposal should flag this. The federal law allows agencies to grant waivers in specific circumstances: e.g. if the required item is not produced in the U.S. in sufficient quantity or quality, if using U.S. products would increase the project cost by >25% or otherwise be unreasonable, or if applying the requirement is not in the public interest. DOE has a process for BABA waivers, including public notice and comment on proposed waivers. However, waivers are not guaranteed. Therefore, bidders are strongly encouraged to plan for BABA compliance to the maximum extent. The DOE's Build America, Buy America webpage provides guidance on compliance. The **MSA** will require the Contractor to certify compliance with BABA or have an approved waiver (submitted by Customer) for any non-compliant items.

Bidders should note that many solar industry components are now being made in America (and new domestic manufacturing is coming online due to the Inflation Reduction Act incentives). Preference may be given to proposals that demonstrate a clear plan to use American-made products, as this aligns with the program's goals (though per federal guidance, compliance with BABA is mandatory rather than an evaluated bonus). If

an item is foreign-sourced, the Contractor may need to track its cost and ensure the overall project meets the required domestic content percentages. Reporting on domestic content may be required in project reports.

## 8.4 Reporting and Transparency

**Transparency and Accountability:** The federal award will require regular reporting of project progress, expenditures, and outcomes. The Contractor must maintain thorough records and support the Customer in all required reporting. This includes providing technical data (e.g. performance of systems, outage incidents) and financial documentation for cost reimbursement if applicable. The Contractor should anticipate that some information will become public (e.g. project descriptions on DOE’s website or required reporting under the Federal Funding Accountability and Transparency Act). If there are any proprietary trade secrets in the Contractor’s approach, they should be clearly identified in the proposal; however, note that the Customer and DOE may be subject to Freedom of Information Act (FOIA) requests, so appropriate marking of confidential information is necessary to seek exemption from disclosure.

The Contractor will also be required to comply with DOE OCED’s monitoring and evaluation processes. OCED has a hands-on approach to demonstration projects, which might include independent evaluators or DOE-appointed project monitors reviewing project performance. The Contractor must cooperate with any such personnel, providing access to sites and data as needed.

## 8.5 Other Federal Provisions

In alignment with 2 CFR 200.327, the MSA will include standard federal contract provisions as applicable under 2 CFR 200 Appendix II and DOE regulations (2 CFR 910). These may include but are not limited to:

- **Rights in Technical Data and IP:** Since this is a federally funded demonstration, the government (DOE) may retain certain rights in data or intellectual property first produced under the award. The Contractor will be required to grant the Customer and the Government a license to use any data developed under the project. If the Contractor will be using proprietary software or tools, that should be disclosed along with any restrictions. (Typically, standard commercial products are fine, but any custom-developed data—like performance data—will likely be public domain or government purpose use.)
- **Environmental Compliance:** The National Environmental Policy Act (NEPA) compliance for each site will be the responsibility of the Customer in coordination with DOE. However, the Contractor must provide any necessary information to support NEPA review (e.g. description of project activities, equipment, footprint, any environmental impacts). It is expected that many sites will qualify for a Categorical Exclusion (minimal environmental impact), but some may require environmental assessments, especially if located near sensitive areas. The Contractor should conduct its work in an environmentally responsible manner and adhere to any mitigation measures that might come out of the NEPA review or local environmental permits.
- **Permits and Licenses:** The Contractor is responsible for obtaining all **permits and licenses** needed for the work (with support from the Customer for any Customer-specific permits). All work must adhere to local building codes, fire codes (especially relevant for battery storage safety), and utility interconnection rules. Any conditions imposed by authorities having jurisdiction (AHJs) or the utility must be followed.
- **Indemnification and Insurance:** Federal funds cannot be used to indemnify contractors beyond what is allowable by law. The **MSA** will include the Customer’s standard indemnification clause. The

Contractor shall maintain adequate insurance as required by the final **MSA** including but not limited to general liability, auto liability, professional liability, builder's risk, and workers' compensation. The Customer and U.S. Government shall be named as additional insureds. Specific insurance coverage amounts and requirements will be detailed in individual Work Authorizations based on project scope and risk assessment.

- **Contract Changes and Flow-down:** The contract will outline how changes (modifications) are handled, including scope changes for particular sites or changes required by DOE. The Contractor must flow down applicable clauses to subcontractors, including those related to Davis-Bacon, Buy America, civil rights, etc.
- **Payment Terms:** The funding is provided via a DOE award, which operates on a reimbursement basis. The Customer intends to pay the Contractor upon the achievement of milestones or deliverables for each phase/site, subject to DOE approval. The MSA will define a payment schedule. The Contractor must maintain proper documentation for all costs, as DOE or auditors may review them.

Bidders may consult these sources for additional information:

- DOE OCED ERA Program Notice of Funding Opportunity (NOFO) and related DOE Guidance Documents – for an understanding of program objectives and requirements (e.g., Davis-Bacon Act requirements under BIL).
- [Build America, Buy America Act](#) information on DOE's website – outlines domestic content requirements and waiver processes.
- [Davis-Bacon Act](#) information – see [U.S. Department of Labor website for prevailing wage determinations and compliance assistance](#).
- **2 CFR 200 (Uniform Guidance)** – While all Uniform Guidance provisions apply, bidders should pay particular attention to procurement standards and required contract provisions for federal awards.

The Customer will also provide the successful Contractor with any specific DOE award conditions that must be adhered to, including reporting templates and requirements unique to the ERA award.

## 9. Conclusion and Contact Information

**MSA Structure:** The final **Master Service Agreement(s)** awarded as a result of this RFP will set the general terms and conditions for the work across all project sites. Upon award, the Customer will work with the selected contractor(s) to finalize the **MSA**. Subsequently, **Work Authorizations** will be issued for each site or group of sites, defining the detailed scope, schedule, and price based on the contractor's proposal and any site-specific negotiations. All **Work Authorizations** will fall under the umbrella of the **MSA**. The **MSA** will have a term covering the completion of installations.

**Customer's Rights:** The Customer reserves the right to amend this RFP by addendum, to extend the proposal due date, or to cancel the solicitation at any time. All addenda will be communicated to all parties who have obtained the RFP or expressed interest. It is the bidder's responsibility to ensure they have received all addenda before submitting a proposal. The Customer is not obligated to award the contract and will not be responsible for costs incurred in proposal preparation.

**Point of Contact:** All communication regarding this RFP should be directed to the following authorized point of contact:

- *Name:* Kyle Maness
- *Organization:* Collective Energy Management
- *Email:* [kmaness@CollectiveEnergyCo.com](mailto:kmaness@CollectiveEnergyCo.com)
- *Phone:* 805-222-6689

**For Complaints/Questions:**

- *Name:* Karen Turner McWilliams, General Counsel
- *Organization:* National Association of Community Health Centers
- *Email:* [kmcwilliams@nachc.com](mailto:kmcwilliams@nachc.com)

Bidders should not contact other employees or representatives of the Customer or any project partners regarding this RFP, unless specifically authorized by the point of contact. Violation of this communication policy may result in disqualification.

We appreciate your interest in this transformative clean energy project. The deployment of solar and battery systems at rural health centers will improve the resilience of critical healthcare infrastructure while advancing sustainable energy in rural communities. We look forward to receiving your proposal and partnering to deliver lasting benefits under the DOE ERA program



- 1 THIS PROJECT SHALL COMPLY WITH THE 2023 NATIONAL ELECTRIC CODE (NEC), 2021 INTERNATIONAL BUILDING CODE (IBC), 2021 INTERNATIONAL MECHANICAL CODE (IMC), 2021 UNIFORM PLUMBING CODE (UPC)
- 2 DESIGN COMPLYING WITH THE LATEST EDITION OF THE CITY OF ELKIN AREA ELECTRICAL NEWSLETTERS, ALL LOCAL ORDINANCES AND POLICIES, AND THE CITY OF ELKIN CONSOLIDATED FIRE CODE.
- 3 THIS INSTALLATION SHALL COMPLY WITH ARTICLE 690 OF THE NATIONAL ELECTRICAL CODE (NEC NFPA 70).
- 4 THIS SYSTEM WILL NOT BE INTERCONNECTED UNTIL APPROVAL FROM THE LOCAL JURISDICTION AND THE UTILITY COMPANY ARE OBTAINED
- 5 PV SYSTEM IS UTILITY INTERACTIVE AND WILL BE INTERCONNECTED ON THE HOST CUSTOMER'S SIDE OF THE UTILITY METER. NO LINE SIDE CONNECTIONS ARE BEING PURSUED
- 6 SYSTEM COMPONENTS ARE COMPRISED OF OFF-THE-SHELF UL LISTED MASS MANUFACTURED APPROVED TECHNOLOGIES
- 7 TECHNICAL READINESS LEVEL OF COMPONENTS IS 9 BECAUSE THIS TECHNOLOGY HAS BEEN TESTED AND IS CURRENTLY OPERATIONAL ACROSS THE COUNTRY
- 8 INSTALLABILITY REVIEW CONFIRMS RELIANCE ON STANDARD AND PROVEN TECHNIQUES
- 9 PUBLIC UTILITIES COMMISSION APPROVAL NOT REQUIRED DUE TO THE NATURE OF THE INTERCONNECTION BEHIND THE METER

NEW PHOTOVOLTAIC SOLAR ARRAY:  
94.58 kWp  
NEW BATTERY ENERGY SYSTEM:  
56KW/157KWH  
  
ELKIN, NC 28621

SHEET SCHEDULE

SHEET NUMBER	SHEET TITLE
PV-1	SITE LOCATION & NOTES

PROJECT INFORMATION

PROJECT MANAGER  
NAME: KYLE MANESS

CONTRACTOR  
NAME: TBD  
PHONE: TBD  
LICENSE: TBD

AUTHORITIES HAVING JURISDICTION  
BUILDING: CITY OF ELKIN  
SAFETY: CITY OF ELKIN  
UTILITY: DUKE ENERGY

SYSTEM SIZE AND COMPONENTS:  
SOLAR  
STC: (195) x 485 = 94.58kW  
PTC: (195) x 451.9 = 88.12kW DC  
(195) HANWA Q.PEAK DUO XL-G10 485 (485W)  
(156) ENPHASE IQ8P-72-2-US  
(1) SOLAREEDGE SE17.3K  
  
BATTERY  
(1) 56KW/157KWH AC COUPLED UNIT

NAME OF UTILITY:  
DUKE ENERGY



UNAUTHORIZED USE OF THIS DRAWING SET WITHOUT WRITTEN PERMISSION FROM CONTRACTOR IS IN VIOLATION OF U.S. COPYRIGHT LAWS AND WILL BE SUBJECT TO DAMAGES AND PROSECUTIONS

NEW MICROGRID SYSTEM: 94.58 kWp PV SYSTEM & 56KW/157KWH BESS  
ELKIN, NC 28621

SITE LOCATION & NOTES

DATE: Aug 18, 2025  
DESIGNED BY: KRM  
CHECKED BY: KRM

SHEET 1 OF 1

PV-1



SITE PLAN  
NOT TO SCALE





GENERAL NOTES

- 1 THIS PROJECT SHALL COMPLY WITH THE 2023 NATIONAL ELECTRIC CODE (NEC), 2021 INTERNATIONAL BUILDING CODE (IBC), 2021 INTERNATIONAL MECHANICAL CODE (IMC), 2021 UNIFORM PLUMBING CODE (UPC)
- 2 DESIGN COMPLYING WITH THE LATEST EDITION OF THE WAYNE COUNTY AREA ELECTRICAL NEWSLETTERS, ALL LOCAL ORDINANCES AND POLICIES, AND THE WAYNE COUNTY CONSOLIDATED FIRE CODE.
- 3 THIS INSTALLATION SHALL COMPLY WITH ARTICLE 690 OF THE NATIONAL ELECTRICAL CODE (NEC NFPA 70).
- 4 THIS SYSTEM WILL NOT BE INTERCONNECTED UNTIL APPROVAL FROM THE LOCAL JURISDICTION AND THE UTILITY COMPANY ARE OBTAINED
- 5 PV SYSTEM IS UTILITY INTERACTIVE AND WILL BE INTERCONNECTED ON THE HOST CUSTOMER'S SIDE OF THE UTILITY METER. NO LINE SIDE CONNECTIONS ARE BEING PURSUED
- 6 SYSTEM COMPONENTS ARE COMPRISED OF OFF-THE-SHELF UL LISTED MASS MANUFACTURED APPROVED TECHNOLOGIES

NEW ROOF MOUNT SOLAR ARRAY:  
44.62 kWp

MONTICELLO, KY 42633



SHEET SCHEDULE

SHEET NUMBER	SHEET TITLE
PV-1	SITE LOCATION & NOTES

PROJECT INFORMATION

PROJECT MANAGER  
NAME: KYLE MANESS

CONTRACTOR  
NAME: TBD  
PHONE: TBD  
LICENSE: TBD

AUTHORITIES HAVING JURISDICTION  
BUILDING: WAYNE COUNTY  
SAFETY: WAYNE COUNTY  
UTILITY: SOUTH KENTUCKY RECC

SYSTEM SIZE:  
SOLAR  
STC: (92) x 485 = 44.62kW  
PTC: (92) x 451.9 = 41.57kW DC  
(92) HANWA Q.PEAK DUO XL-G10 485 (485W)  
(1) SOLAREEDGE SE40K  
BATTERY  
(1) 54KW/151.2KWH AC COUPLED UNIT

NAME OF UTILITY:  
SOUTH KENTUCKY RECC

SITE PLAN  
NOT TO SCALE



UNAUTHORIZED USE OF THIS DRAWING SET WITHOUT WRITTEN PERMISSION FROM CONTRACTOR IS IN VIOLATION OF U.S. COPYRIGHT LAWS AND WILL BE SUBJECT TO DAMAGES AND PROSECUTIONS

NEW PHOTOVOLTAIC SYSTEM: 44.62 kWp

MONTICELLO, KY 42633

SITE LOCATION & NOTES

DATE: Aug 18, 2025  
DESIGNED BY: KRM  
CHECKED BY: KRM

SHEET 1 OF 1

PV-1



- 1 THIS PROJECT SHALL COMPLY WITH THE 2023 NATIONAL ELECTRIC CODE (NEC), 2021 INTERNATIONAL BUILDING CODE (IBC), 2021 INTERNATIONAL MECHANICAL CODE (IMC), 2021 UNIFORM PLUMBING CODE (UPC)
- 2 DESIGN COMPLYING WITH THE LATEST EDITION OF THE CITY OF THOMASVILLE AREA ELECTRICAL NEWSLETTERS, ALL LOCAL ORDINANCES AND POLICIES, AND THE CITY OF THOMASVILLE CONSOLIDATED FIRE CODE.
- 3 THIS INSTALLATION SHALL COMPLY WITH ARTICLE 690 OF THE NATIONAL ELECTRICAL CODE (NEC NFPA 70).
- 4 THIS SYSTEM WILL NOT BE INTERCONNECTED UNTIL APPROVAL FROM THE LOCAL JURISDICTION AND THE UTILITY COMPANY ARE OBTAINED
- 5 PV SYSTEM IS UTILITY INTERACTIVE AND WILL BE INTERCONNECTED ON THE HOST CUSTOMER'S SIDE OF THE UTILITY METER. NO LINE SIDE CONNECTIONS ARE BEING PURSUED
- 6 SYSTEM COMPONENTS ARE COMPRISED OF OFF-THE-SHELF UL LISTED MASS MANUFACTURED APPROVED TECHNOLOGIES
- 7 TECHNICAL READINESS LEVEL OF COMPONENTS IS 9 BECAUSE THIS TECHNOLOGY HAS BEEN TESTED AND IS CURRENTLY OPERATIONAL ACROSS THE COUNTRY
- 8 INSTALLABILITY REVIEW CONFIRMS RELIANCE ON STANDARD AND PROVEN TECHNIQUES
- 9 PUBLIC UTILITIES COMMISSION APPROVAL NOT REQUIRED DUE TO THE NATURE OF THE INTERCONNECTION BEHIND THE METER

NEW PHOTOVOLTAIC SOLAR ARRAY:  
73.72 kWp  
NEW BATTERY ENERGY SYSTEM:  
41KW/114.8KWH

THOMASVILLE, AL 36784

SHEET SCHEDULE

SHEET NUMBER	SHEET TITLE
PV-1	SITE LOCATION & NOTES

PROJECT INFORMATION

PROJECT MANAGER  
NAME: KYLE MANESS

CONTRACTOR  
NAME: TBD  
PHONE: TBD  
LICENSE: TBD

AUTHORITIES HAVING JURISDICTION  
BUILDING: CITY OF THOMASVILLE  
SAFETY: CITY OF THOMASVILLE  
UTILITY: ALABAMA POWER

SYSTEM SIZE AND COMPONENTS:  
SOLAR  
STC: (152) x 485 = 73.72kW  
PTC: (152) x 451.9 = 68.69kW DC  
(152) HANWA Q.PEAK DUO XL-G10 485 (485W)  
(112) ENPHASE IQ8P-72-2-US  
(1) SOLAREEDGE SE17.3K  
  
BATTERY  
(1) 41KW/114.8KWH AC COUPLED UNIT

NAME OF UTILITY:  
ALABAMA POWER



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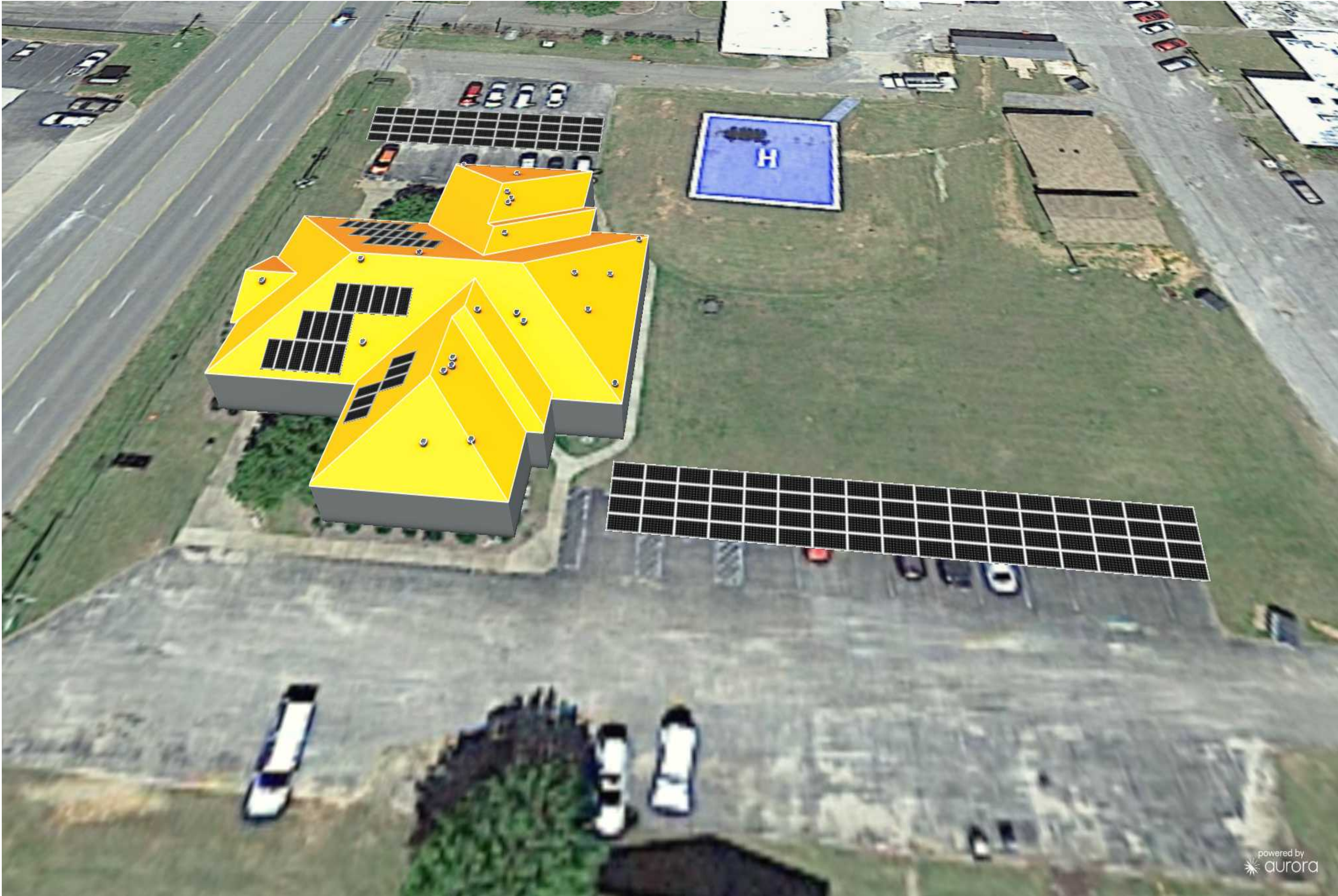
NEW MICROGRID SYSTEM: 73.72 kWp PV SYSTEM &  
41KW/114.8KWH BESS  
THOMASVILLE, AL 36784

SITE LOCATION & NOTES

DATE: Aug 18, 2025  
DESIGNED BY: KRM  
CHECKED BY: KRM

SHEET 1 OF 1

PV-1



SITE PLAN  
NOT TO SCALE





GENERAL NOTES

- 1 THIS PROJECT SHALL COMPLY WITH THE 2023 NATIONAL ELECTRIC CODE (NEC), 2021 INTERNATIONAL BUILDING CODE (IBC), 2021 INTERNATIONAL MECHANICAL CODE (IMC), 2021 UNIFORM PLUMBING CODE (UPC)
- 2 DESIGN COMPLYING WITH THE LATEST EDITION OF THE CITY OF NEWPORT AREA ELECTRICAL NEWSLETTERS, ALL LOCAL ORDINANCES AND POLICIES, AND THE CITY OF NEWPORT CONSOLIDATED FIRE CODE.
- 3 THIS INSTALLATION SHALL COMPLY WITH ARTICLE 690 OF THE NATIONAL ELECTRICAL CODE (NEC NFPA 70).
- 4 THIS SYSTEM WILL NOT BE INTERCONNECTED UNTIL APPROVAL FROM THE LOCAL JURISDICTION AND THE UTILITY COMPANY ARE OBTAINED
- 5 PV SYSTEM IS UTILITY INTERACTIVE AND WILL BE INTERCONNECTED ON THE HOST CUSTOMER'S SIDE OF THE UTILITY METER. NO LINE SIDE CONNECTIONS ARE BEING PURSUED
- 6 SYSTEM COMPONENTS ARE COMPRISED OF OFF-THE-SHELF UL LISTED MASS MANUFACTURED APPROVED TECHNOLOGIES
- 7 TECHNICAL READINESS LEVEL OF COMPONENTS IS 9 BECAUSE THIS TECHNOLOGY HAS BEEN TESTED AND IS CURRENTLY OPERATIONAL ACROSS THE COUNTRY
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- 9 PUBLIC UTILITIES COMMISSION APPROVAL NOT REQUIRED DUE TO THE NATURE OF THE INTERCONNECTION BEHIND THE METER

NEW GROUND MOUNT SOLAR ARRAY:  
81.48 kWp  
NEW BATTERY ENERGY SYSTEM:  
50KW/140KWH  
NEWPORT, TN 37821

SHEET SCHEDULE

SHEET NUMBER	SHEET TITLE
PV-1	SITE LOCATION & NOTES

PROJECT INFORMATION

PROJECT MANAGER  
NAME: KYLE MANESS

CONTRACTOR  
NAME: TBD  
PHONE: TBD  
LICENSE: TBD

AUTHORITIES HAVING JURISDICTION  
BUILDING: CITY OF NEWPORT  
SAFETY: CITY OF NEWPORT  
UTILITY: NEWPORT UTILITIES

SYSTEM SIZE AND COMPONENTS:  
SOLAR  
STC: (168) x 485 = 81.48kW  
PTC: (168) x 451.9 = 75.92kW DC  
(168) HANWA Q.PEAK DUO XL-G10 485 (485W)  
(168) ENPHASE IQ8P-72-2-US  
BATTERY  
(1) 50KW/140KWH AC COUPLED UNIT

NAME OF UTILITY:  
NEWPORT UTILITIES



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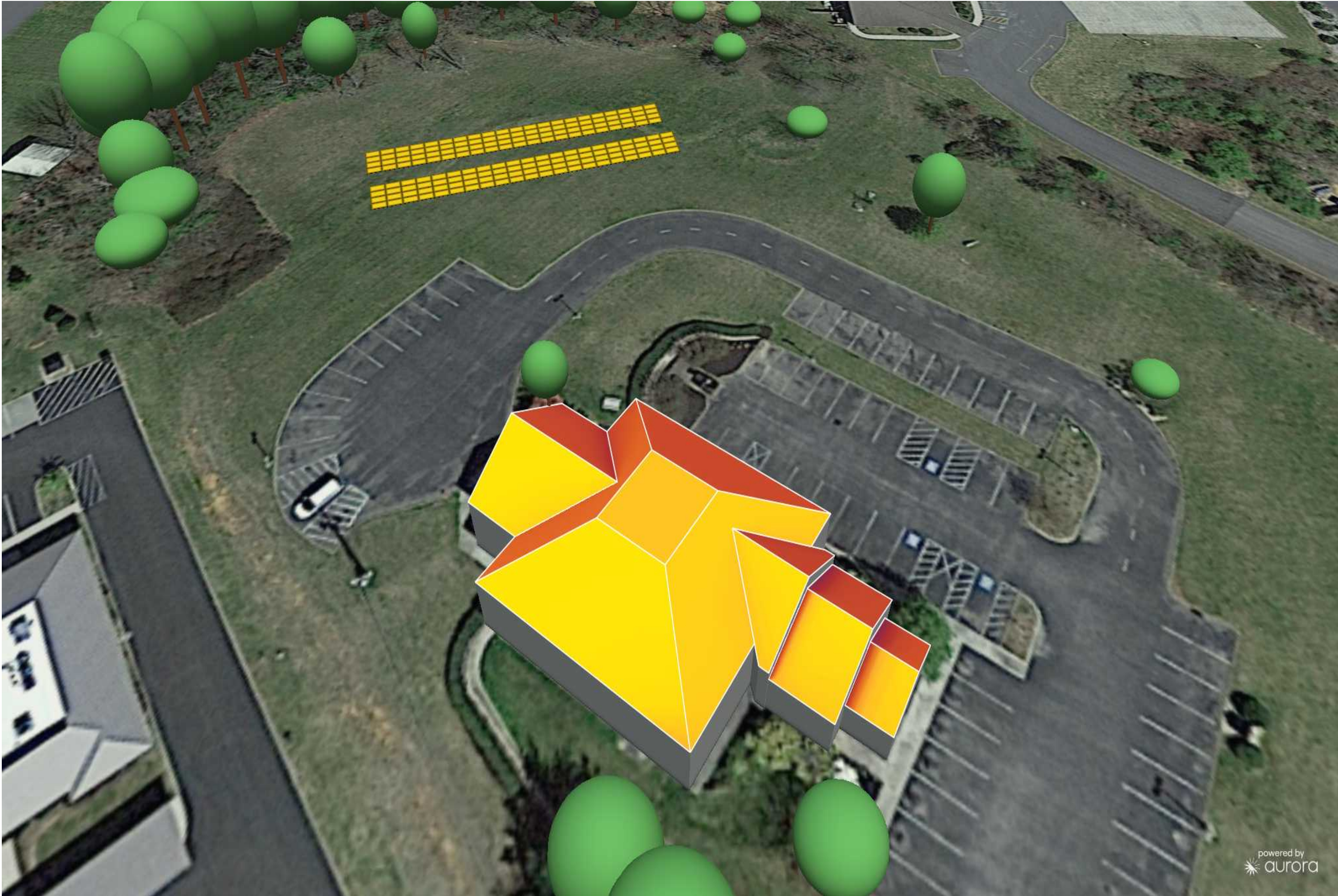
NEW MICROGRID SYSTEM: 81.48 kWp PV SYSTEM &  
50KW/140KWH BESS  
NEWPORT, TN 37821

SITE LOCATION & NOTES

DATE: Aug 18, 2025  
DESIGNED BY: KRM  
CHECKED BY: KRM

SHEET 1 OF 1

PV-1



SITE PLAN  
NOT TO SCALE





GENERAL NOTES

- 1 THIS PROJECT SHALL COMPLY WITH THE 2023 NATIONAL ELECTRIC CODE (NEC), 2021 INTERNATIONAL BUILDING CODE (IBC), 2021 INTERNATIONAL MECHANICAL CODE (IMC), 2021 UNIFORM PLUMBING CODE (UPC)
- 2 DESIGN COMPLYING WITH THE LATEST EDITION OF THE CITY OF WAYNESBORO AREA ELECTRICAL NEWSLETTERS, ALL LOCAL ORDINANCES AND POLICIES, AND THE CITY OF WAYNESBORO CONSOLIDATED FIRE CODE.
- 3 THIS INSTALLATION SHALL COMPLY WITH ARTICLE 690 OF THE NATIONAL ELECTRICAL CODE (NEC NFPA 70).
- 4 THIS SYSTEM WILL NOT BE INTERCONNECTED UNTIL APPROVAL FROM THE LOCAL JURISDICTION AND THE UTILITY COMPANY ARE OBTAINED
- 5 PV SYSTEM IS UTILITY INTERACTIVE AND WILL BE INTERCONNECTED ON THE HOST CUSTOMER'S SIDE OF THE UTILITY METER. NO LINE SIDE CONNECTIONS ARE BEING PURSUED
- 6 SYSTEM COMPONENTS ARE COMPRISED OF OFF-THE-SHELF UL LISTED MASS MANUFACTURED APPROVED TECHNOLOGIES
- 7 TECHNICAL READINESS LEVEL OF COMPONENTS IS 9 BECAUSE THIS TECHNOLOGY HAS BEEN TESTED AND IS CURRENTLY OPERATIONAL ACROSS THE COUNTRY
- 8 INSTALLABILITY REVIEW CONFIRMS RELIANCE ON STANDARD AND PROVEN TECHNIQUES
- 9 PUBLIC UTILITIES COMMISSION APPROVAL NOT REQUIRED DUE TO THE NATURE OF THE INTERCONNECTION BEHIND THE METER

NEW PHOTOVOLTAIC SOLAR ARRAY:  
38.80 kWp  
NEW BATTERY ENERGY SYSTEM:  
28KW/78.4KWH

WAYNESBORO, GA 30830

SHEET SCHEDULE

SHEET NUMBER	SHEET TITLE
PV-1	SITE LOCATION & NOTES

PROJECT INFORMATION

PROJECT MANAGER  
NAME: KYLE MANESS

CONTRACTOR  
NAME: TBD  
PHONE: TBD  
LICENSE: TBD

AUTHORITIES HAVING JURISDICTION  
BUILDING: CITY OF WAYNESBORO  
SAFETY: CITY OF WAYNESBORO  
UTILITY: GEORGIA POWER

SYSTEM SIZE AND COMPONENTS:  
SOLAR  
STC: (80) x 485 = 38.80kW  
PTC: (80) x 451.9 = 36.15kW DC  
(80) HANWA Q.PEAK DUO XL-G10 485 (485W)  
(28) ENPHASE IQ8P-72-2-US  
(1) SOLAREEDGE SE20K

BATTERY  
(1) 28KW/78.4KWH AC COUPLED UNIT

NAME OF UTILITY:  
GEORGIA POWER



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NEW MICROGRID SYSTEM: 38.80 kWp PV SYSTEM &  
28KW/78.4KWH BESS  
WAYNESBORO, GA 30830

SITE LOCATION & NOTES

DATE: Aug 18, 2025  
DESIGNED BY: KRM  
CHECKED BY: KRM

SHEET 1 OF 1

PV-1



SITE PLAN  
NOT TO SCALE





GENERAL NOTES

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- 2 DESIGN COMPLYING WITH THE LATEST EDITION OF THE CITY OF BESSEMER AREA ELECTRICAL NEWSLETTERS, ALL LOCAL ORDINANCES AND POLICIES, AND THE CITY OF BESSEMER CONSOLIDATED FIRE CODE.
- 3 THIS INSTALLATION SHALL COMPLY WITH ARTICLE 690 OF THE NATIONAL ELECTRICAL CODE (NEC NFPA 70).
- 4 THIS SYSTEM WILL NOT BE INTERCONNECTED UNTIL APPROVAL FROM THE LOCAL JURISDICTION AND THE UTILITY COMPANY ARE OBTAINED
- 5 PV SYSTEM IS UTILITY INTERACTIVE AND WILL BE INTERCONNECTED ON THE HOST CUSTOMER'S SIDE OF THE UTILITY METER. NO LINE SIDE CONNECTIONS ARE BEING PURSUED
- 6 SYSTEM COMPONENTS ARE COMPRISED OF OFF-THE-SHELF UL LISTED MASS MANUFACTURED APPROVED TECHNOLOGIES
- 7 TECHNICAL READINESS LEVEL OF COMPONENTS IS 9 BECAUSE THIS TECHNOLOGY HAS BEEN TESTED AND IS CURRENTLY OPERATIONAL ACROSS THE COUNTRY
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- 9 PUBLIC UTILITIES COMMISSION APPROVAL NOT REQUIRED DUE TO THE NATURE OF THE INTERCONNECTION BEHIND THE METER

NEW PHOTOVOLTAIC SOLAR ARRAY:  
87.79 kWp  
NEW BATTERY ENERGY SYSTEM:  
41KW/114.8KWH

BESSEMEER CITY, NC 28016

SHEET SCHEDULE

SHEET NUMBER	SHEET TITLE
PV-1	SITE LOCATION & NOTES

PROJECT INFORMATION

PROJECT MANAGER  
NAME: KYLE MANESS

CONTRACTOR  
NAME: TBD  
PHONE: TBD  
LICENSE: TBD

AUTHORITIES HAVING JURISDICTION  
BUILDING: CITY OF BESSEMER  
SAFETY: CITY OF BESSEMER  
UTILITY: DUKE ENERGY

SYSTEM SIZE AND COMPONENTS:  
SOLAR  
STC: (181) x 485 = 87.79kW  
PTC: (181) x 451.9 = 81.79kW DC  
(181) HANWA Q.PEAK DUO XL-G10 485 (485W)  
(80) ENPHASE IQ8P-72-2-US  
(1) SOLAREEDGE SE30K  
  
BATTERY  
(1) 41KW/114.8KWH AC COUPLED UNIT

NAME OF UTILITY:  
DUKE ENERGY

SITE PLAN  
NOT TO SCALE



UNAUTHORIZED USE OF THIS DRAWING SET WITHOUT WRITTEN PERMISSION FROM CONTRACTOR IS IN VIOLATION OF U.S. COPYRIGHT LAWS AND WILL BE SUBJECT TO DAMAGES AND PROSECUTIONS

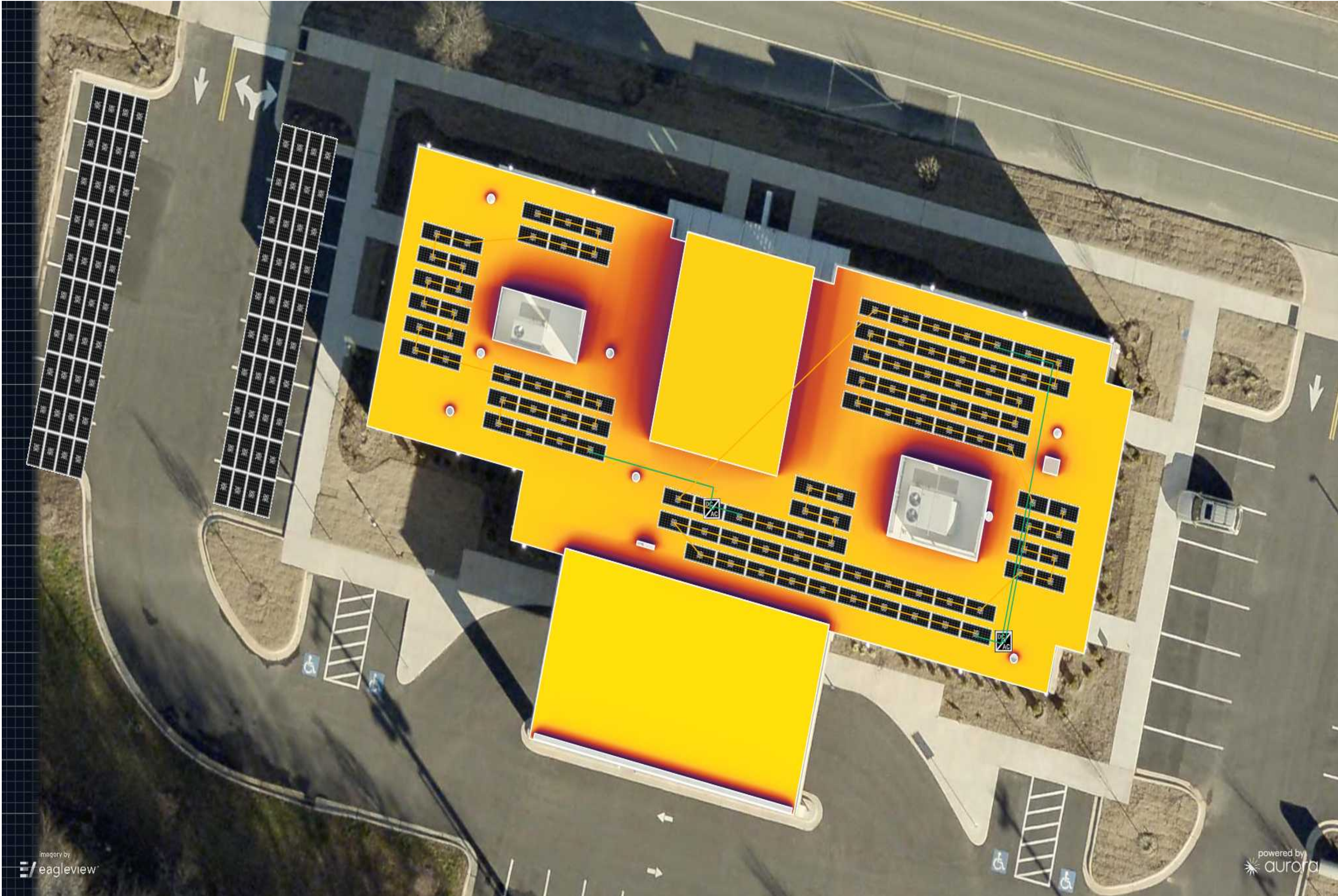
NEW MICROGRID SYSTEM: 87.79 kWp PV SYSTEM &  
41KW/114.8KWH BESS  
BESSEMEER CITY, NC 28016

SITE  
LOCATION &  
NOTES

DATE: Aug 18, 2025  
DESIGNED BY: KRM  
CHECKED BY: KRM

SHEET 1 OF 1

PV-1





GENERAL NOTES

- 1 THIS PROJECT SHALL COMPLY WITH THE 2023 NATIONAL ELECTRIC CODE (NEC), 2021 INTERNATIONAL BUILDING CODE (IBC), 2021 INTERNATIONAL MECHANICAL CODE (IMC), 2021 UNIFORM PLUMBING CODE (UPC)
- 2 DESIGN COMPLYING WITH THE LATEST EDITION OF THE CITY OF CARTHAGE AREA ELECTRICAL NEWSLETTERS, ALL LOCAL ORDINANCES AND POLICIES, AND THE CITY OF CARTHAGE CONSOLIDATED FIRE CODE.
- 3 THIS INSTALLATION SHALL COMPLY WITH ARTICLE 690 OF THE NATIONAL ELECTRICAL CODE (NEC NFPA 70).
- 4 THIS SYSTEM WILL NOT BE INTERCONNECTED UNTIL APPROVAL FROM THE LOCAL JURISDICTION AND THE UTILITY COMPANY ARE OBTAINED
- 5 PV SYSTEM IS UTILITY INTERACTIVE AND WILL BE INTERCONNECTED ON THE HOST CUSTOMER'S SIDE OF THE UTILITY METER. NO LINE SIDE CONNECTIONS ARE BEING PURSUED
- 6 SYSTEM COMPONENTS ARE COMPRISED OF OFF-THE-SHELF UL LISTED MASS MANUFACTURED APPROVED TECHNOLOGIES

NEW ROOF MOUNT SOLAR ARRAY:  
26.19 kWp  
  
CARTHAGE, MS 39051



SHEET SCHEDULE

SHEET NUMBER	SHEET TITLE
PV-1	SITE LOCATION & NOTES

PROJECT INFORMATION

PROJECT MANAGER  
NAME: KYLE MANESS

CONTRACTOR  
NAME: TBD  
PHONE: TBD  
LICENSE: TBD

AUTHORITIES HAVING JURISDICTION  
BUILDING: CITY OF CARTHAGE  
SAFETY: CITY OF CARTHAGE  
UTILITY: MISSISSIPPI POWER

SYSTEM SIZE:  
SOLAR  
STC: (54) x 485 = 26.19kW  
PTC: (54) x 451.9 = 24.40kW DC  
(54) HANWA Q.PEAK DUO XL-G10 485 (485W)  
(1) SOLAREEDGE SE30K  
BATTERY  
(1) 19KW/53.2KWH AC COUPLED UNIT

NAME OF UTILITY:  
MISSISSIPPI POWER

SITE PLAN  
NOT TO SCALE



UNAUTHORIZED USE OF THIS DRAWING SET WITHOUT WRITTEN PERMISSION FROM CONTRACTOR IS IN VIOLATION OF U.S. COPYRIGHT LAWS AND WILL BE SUBJECT TO DAMAGES AND PROSECUTIONS

NEW PHOTOVOLTAIC SYSTEM: 26.19 kWp

CARTHAGE, MS 39051

SITE  
LOCATION &  
NOTES

DATE: Aug 18, 2025  
DESIGNED BY: KRM  
CHECKED BY: KRM

SHEET 1 OF 1

PV-1



- 1 THIS PROJECT SHALL COMPLY WITH THE 2023 NATIONAL ELECTRIC CODE (NEC), 2021 INTERNATIONAL BUILDING CODE (IBC), 2021 INTERNATIONAL MECHANICAL CODE (IMC), 2021 UNIFORM PLUMBING CODE (UPC)
- 2 DESIGN COMPLYING WITH THE LATEST EDITION OF THE CITY OF WIGGINS AREA ELECTRICAL NEWSLETTERS, ALL LOCAL ORDINANCES AND POLICIES, AND THE CITY OF WIGGINS CONSOLIDATED FIRE CODE.
- 3 THIS INSTALLATION SHALL COMPLY WITH ARTICLE 690 OF THE NATIONAL ELECTRICAL CODE (NEC NFPA 70).
- 4 THIS SYSTEM WILL NOT BE INTERCONNECTED UNTIL APPROVAL FROM THE LOCAL JURISDICTION AND THE UTILITY COMPANY ARE OBTAINED
- 5 PV SYSTEM IS UTILITY INTERACTIVE
- 6 SYSTEM COMPONENTS ARE COMPRISED OF OFF-THE-SHELF UL LISTED MASS MANUFACTURED APPROVED TECHNOLOGIES
- 7 TECHNICAL READINESS LEVEL OF COMPONENTS IS 9 BECAUSE THIS TECHNOLOGY HAS BEEN TESTED AND IS CURRENTLY OPERATIONAL ACROSS THE COUNTRY
- 8 INSTALLABILITY REVIEW CONFIRMS RELIANCE ON STANDARD AND PROVEN TECHNIQUES

NEW GROUND MOUNT SOLAR ARRAY:  
25.22 kWp

NEW BATTERY ENERGY SYSTEM:  
27KW/76KWH

WIGGINS, MS 39577

SHEET SCHEDULE

SHEET NUMBER	SHEET TITLE
PV-1	SITE LOCATION & NOTES

PROJECT INFORMATION

PROJECT MANAGER  
NAME: KYLE MANESS

AUTHORITIES HAVING JURISDICTION  
BUILDING: CITY OF WIGGINS  
SAFETY: CITY OF WIGGINS  
UTILITY: PEARL RIVER VALLEY ELECTRIC

SYSTEM SIZE AND COMPONENTS:  
SOLAR  
STC: (52) x 485 = 25.22kW  
PTC: (52) x 451.9 = 23.47kW DC  
(52) HANWA Q.PEAK DUO XL-G10 485 (485W)  
  
BATTERY  
(1) 27KW/76KWH DC COUPLED UNIT

NAME OF UTILITY:  
PEARL RIVER VALLEY ELECTRIC



UNAUTHORIZED USE OF THIS DRAWING SET WITHOUT WRITTEN PERMISSION FROM CONTRACTOR IS IN VIOLATION OF U.S. COPYRIGHT LAWS AND WILL BE SUBJECT TO DAMAGES AND PROSECUTIONS

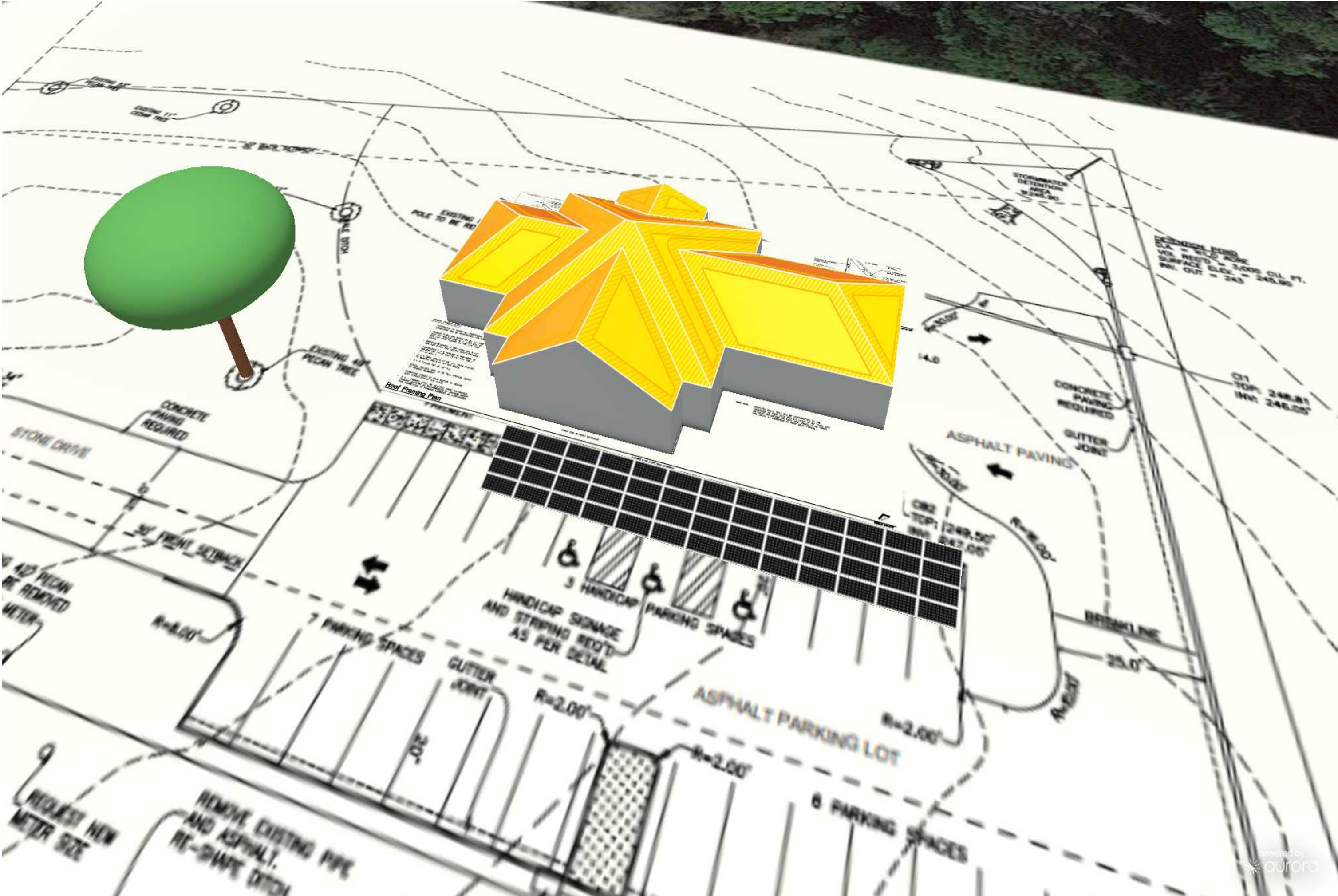
NEW MICROGRID SYSTEM: 25.22 kWp PV SYSTEM & 27KW/76KWH BESS  
WIGGINS, MS 39577

SITE LOCATION & NOTES

DATE: Aug 21, 2025  
DESIGNED BY: KRM  
CHECKED BY: KRM

SHEET 1 OF 2

PV-1



SITE PLAN  
NOT TO SCALE

