

Investing in Georgia's Energy, Land, and Water Resources

Solar Resiliency Technical Assistance Program

Webinar

Kristofor Anderson

Kelly Cutts

April 2, 2020



Webinar Goals

By participating in this webinar, you will:

- Discover GEFA's available funding opportunities for performing solar resiliency feasibility studies;
- Hear from energy engineers, solar installers, utility representatives, and battery storage experts; and
- Gain a better understanding of critical infrastructure resiliency.

Webinar Agenda

- Background and Overview
- Industry Experts
 - *State of the Solar Industry in Georgia*
 - *Solar Technology Overview*
 - *Battery & Storage Combined with Solar*
 - *Utility Perspective on Solar/Storage Resiliency*
- GDS: Resiliency Programs & Feasibility Study Example
- How to Apply for GEFA Funding
- Next Steps
- Q&A



Program Background

GEFA SEP Planning Stakeholder Group

Spring 2019 Meeting

GEFA DOE Funding Planning - Resiliency Hubs

GEFA ESF-12 Function

Energy Support Function 12 = Energy Assurance

GEMA State Operations Center, Hurricane Response

Critical Facilities

Solar Industry Feedback

Timing is right, feasibility studies will reduce risk

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Solar Resiliency Program Overview

Phase I: (*Current*)

Technical Assistance Workshop for Local Government.

Phase II: (*April 2020 – September 2020*)

GEFA has contracted with GDS Associates, Inc. to provide for no-cost feasibility studies.

Phase III: (*Spring 2021- Fall 2023*)

Pending DOE funding approval
Solar/Battery Resiliency Project Funding

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Phase II: Feasibility Study Process

GEFA has contracted with GDS Associates, Inc. to help local governments create resilient critical facilities using solar plus energy storage and identify the technical solutions available to achieve the highest and best use of their resources.

The fully funded feasibility studies will be completed by GDS Associates, Inc. and will ensure critical systems continue to operate during utility outages through the combined use of solar and battery storage.

- 1. Applications to GEFA: Opens Monday April 6, 2020 at 9:00 a.m.**
- 2. Evaluation:**
- 3. Notification of Selection**
- 4. GDS Associates, Inc. Conducts Feasibility Studies**
- 5. Award Notification (pending future DOE funding)**



State of the Solar Industry in Georgia

Don Moreland

Solar Crowdsource

don@solarcrowdsourcing.com



Solar in Georgia

Current Status – By the numbers

- Number of installations: 1,817
- Installed capacity: 2,448MW
- Percentage of Georgia electricity from solar: 1.74%
- State ranking: 11th
- Jobs: 4,798
- Economic development: \$3+ billion

Types of Solar

- Utility scale: in front of meter
- Distributed generation: behind the meter (BTM)

Ways Local Governments Can Integrate Solar

Self-own


- Use energy to reduce utility expense
- Solar + storage increases resiliency
- Finance
 - SPLOST (Athens)
 - GEFA Conservation Loan for water treatment facilities

SEPA: Solar Energy Procurement Agreement


- Purchase energy only through long-term contract with provider
- No out-of-pocket, O&M
- Atlanta and Macon

Solarize: community group purchase programs

- 11 in GA; 600 installations; 4MW of solar capacity; 1.8MWh of battery storage



Why Solar Now?

- Tax credits phasing out
 - 2020: 26%
 - 2021: 22%
 - 2022: 10%
 - Rates going up: 15% over next 3 years
 - Monthly netting program
 - Increase property values
 - Sustainable clean, renewable energy
 - Economic development tool
- 

About Solar Crowdsource

Solarize Programs for Local Governments

- Stakeholder collaboration
- RFP
- Website, intake, CRM
- Education events
- Project management
- No cost to community

Crowdfunding Programs for Nonprofits

- Site evaluation
- Project scope
- Campaign structure
- Website, intake, payment processing
- RFP (if necessary)
- No out-of-pocket cost to nonprofit



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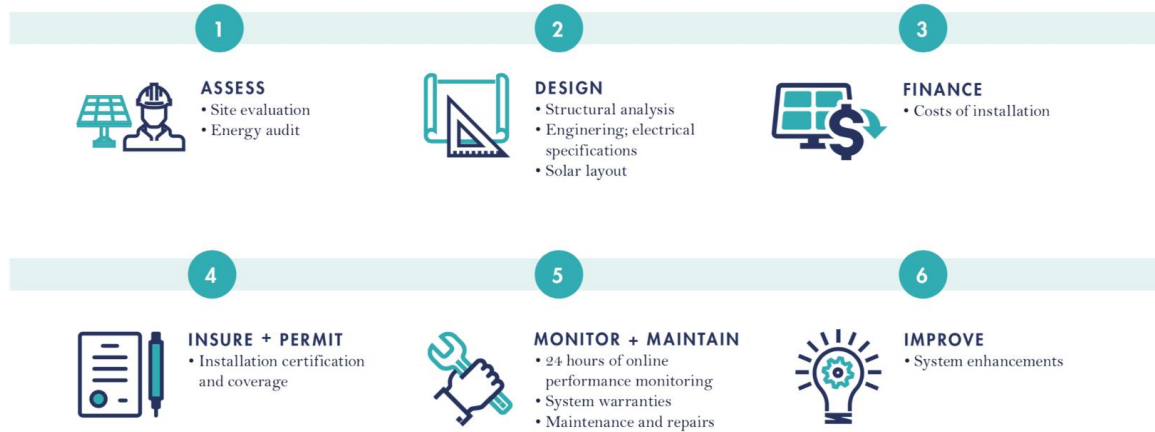
**CHERRY STREET
ENERGY**



CHERRY STREET ENERGY

Our Process

Our unique platform allows us to work with our customers to find the best solution to fit their energy needs



Our Mission

Do Good and Do Well

Do Good

- Offer customers a local energy choice
- Simplify the switch to solar by providing a fully integrated, turnkey solution.
- Contribute to a healthier future

Do Well

- Reduce our customer's energy bill.
- Provide continued technological innovation.
- Implement a business model with proven, repeatable, and scalable results

How & Why We Do It



CHERRY STREET ENERGY

The Solar Process

How power gets to a building



How Solar Works

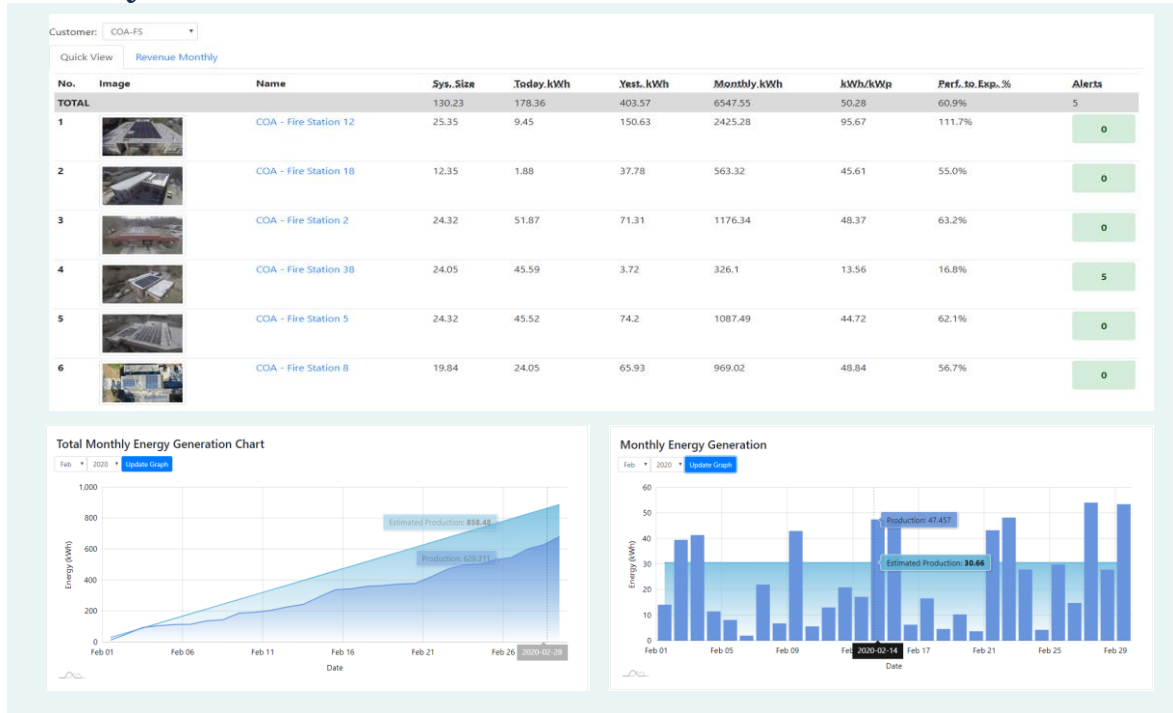


CHERRY STREET ENERGY

The Cherry Street Dashboard

Proprietary software for O&M

Cherry Street Dashboard:



Next Steps:

- Create real-time communication between inverters and software
- Allow for flexible transmission of solar energy between systems
- Build a customer-facing dashboard
- Create a scalable method of data aggregation

Resilient Operations



CHERRY STREET ENERGY

The City of Atlanta

SEPA executed in 2017

Atlanta is committed to achieving 100% renewable electricity by 2035. By leveraging a solar energy procurement agreement (SEPA) with Cherry Street Energy, the city is able to immediately offset their energy burden without upfront costs to build the solar infrastructure.

Cherry Street Energy will initially help the city offset 30% of its energy burden, and over time will help the city reach 100% of the goal.

Cherry Street Energy continues to work with the City of Atlanta to implement solar at locations across the city.



MLK Aquatic Center



Grove Park Recreation Center



CT Martin Recreation Center



Rosel Fann Recreation Center



Fire Station 38



Fire Station 12

Resiliency Case Study



CHERRY STREET ENERGY

Fulton County

Community Resilience Hub

Fulton County is striving to improve their public buildings to be climate resilient. The purpose of their goal is to ensure that their buildings continue to function as extreme weather events and emergencies are expected to increase. They strive to do this by providing solar plus storage at each location and collect rainwater on-site.

As they continue to determine where they will be focusing their first phase of resilience hubs, Cherry Street Energy has been helping Fulton County find the best candidates to benefit from a solar plus storage in their first phase.



College Park Regional Health Center



Metropolitan Branch Library



Louise Watley Library at Southeast



Neighborhood Union Health Center

Resiliency Case Study



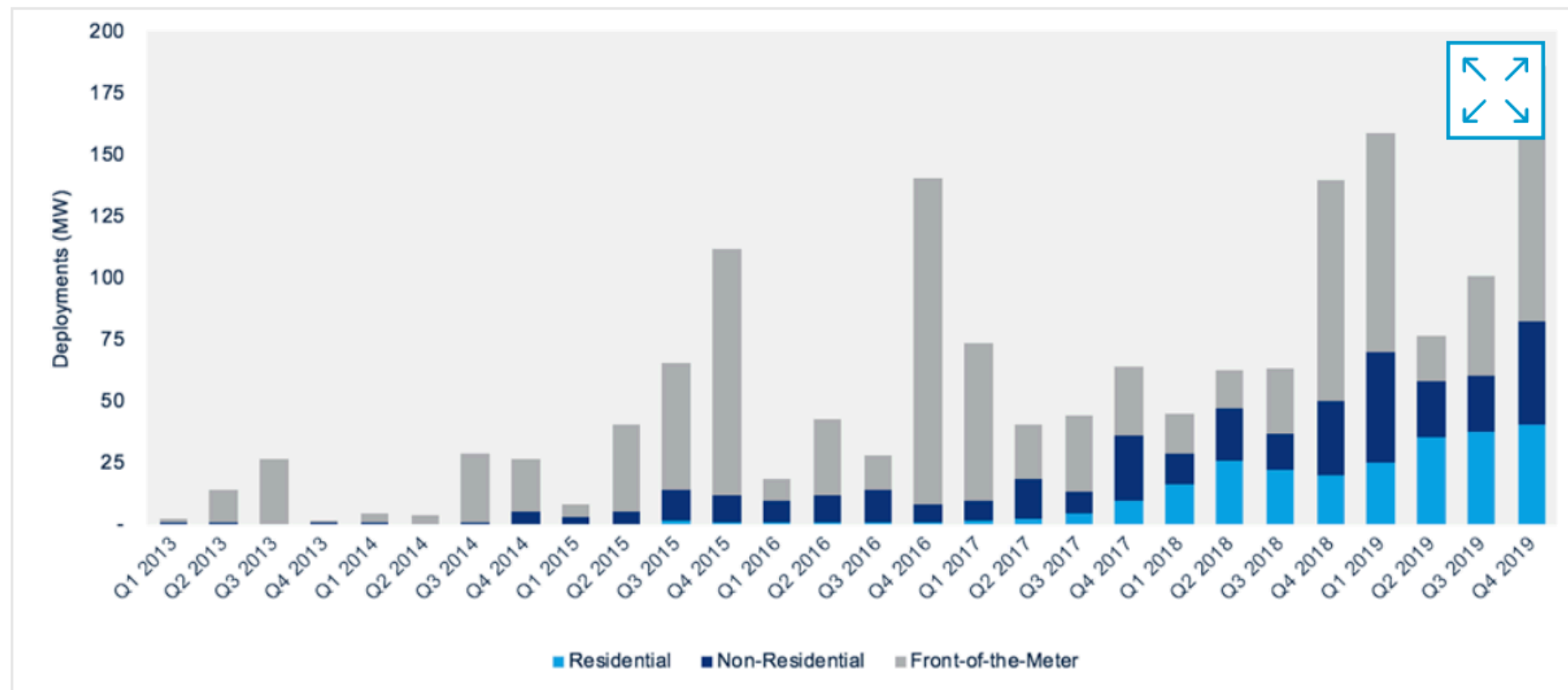
CHERRY STREET ENERGY

The Relationship of Solar & Energy Storage

(AKA Batteries)



U.S. Quarterly Energy Storage Deployments by Segment (MW)



Source: Wood Mackenzie U.S. Energy Storage Monitor 2019 Year in Review

2019 Energy Storage in the US
Exceeded 522 Megawatts / 1,113 Megawatt hours

What are Megawatt Hours?

Variations of Lithium Batteries & Manufacturers

Tesla



Sonnen



LG Chem & Samsung

Resiliency

Economics: Cost of Energy Storage has dropped 76% since 2012

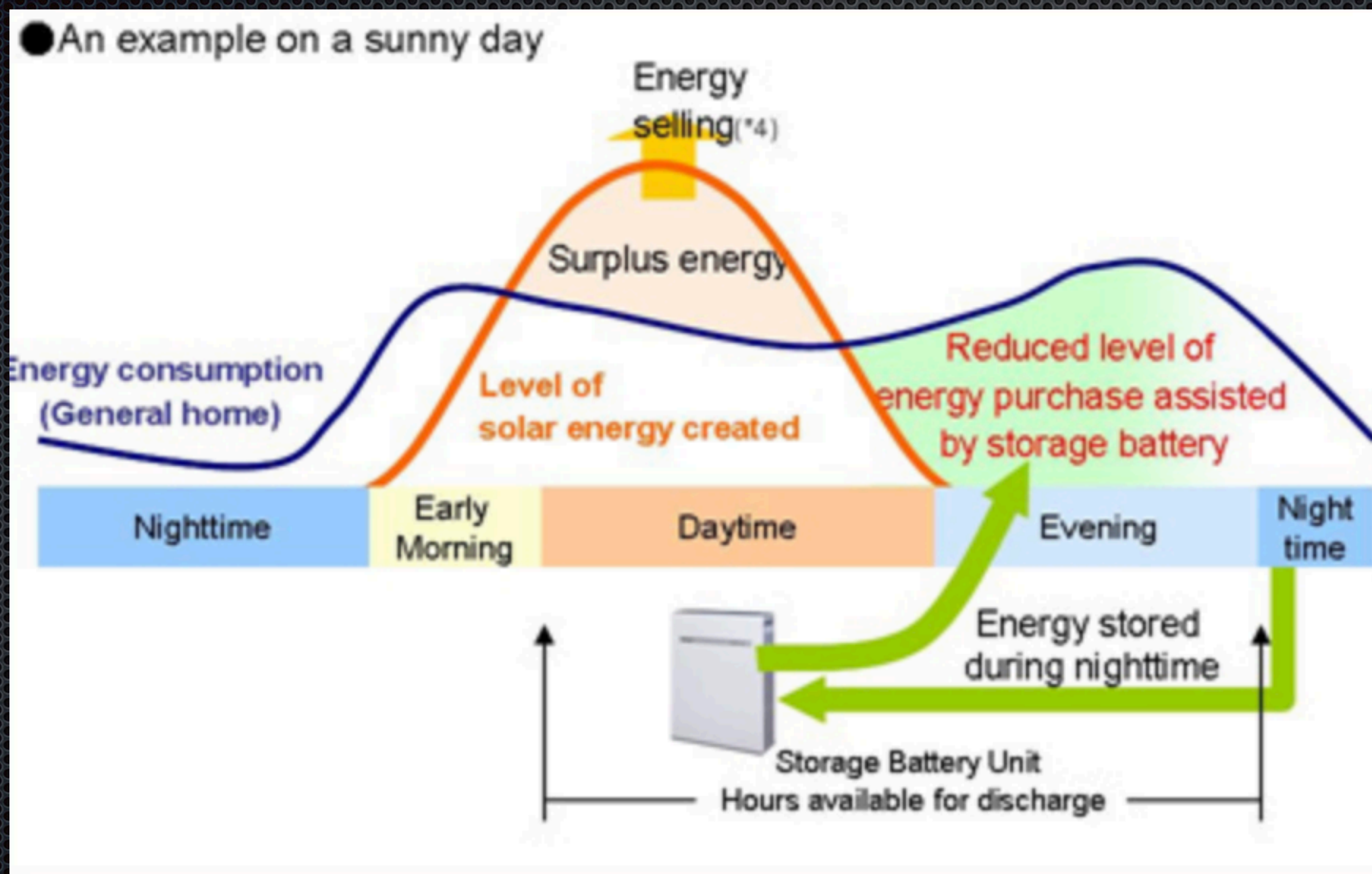
Battery Type: 99% of Energy Storage in 2019 was Lithium Ion

Durability:

- Life span: 15 - 25 years (or more)
- Frequency of charging and discharging (*Multiple times daily*)
- Low Maintenance vs Generator (*fuel costs, parts and maintenance, reliability*)

Scalable: 4 Kw hours to 1 Mw with 4 Mw hours of output

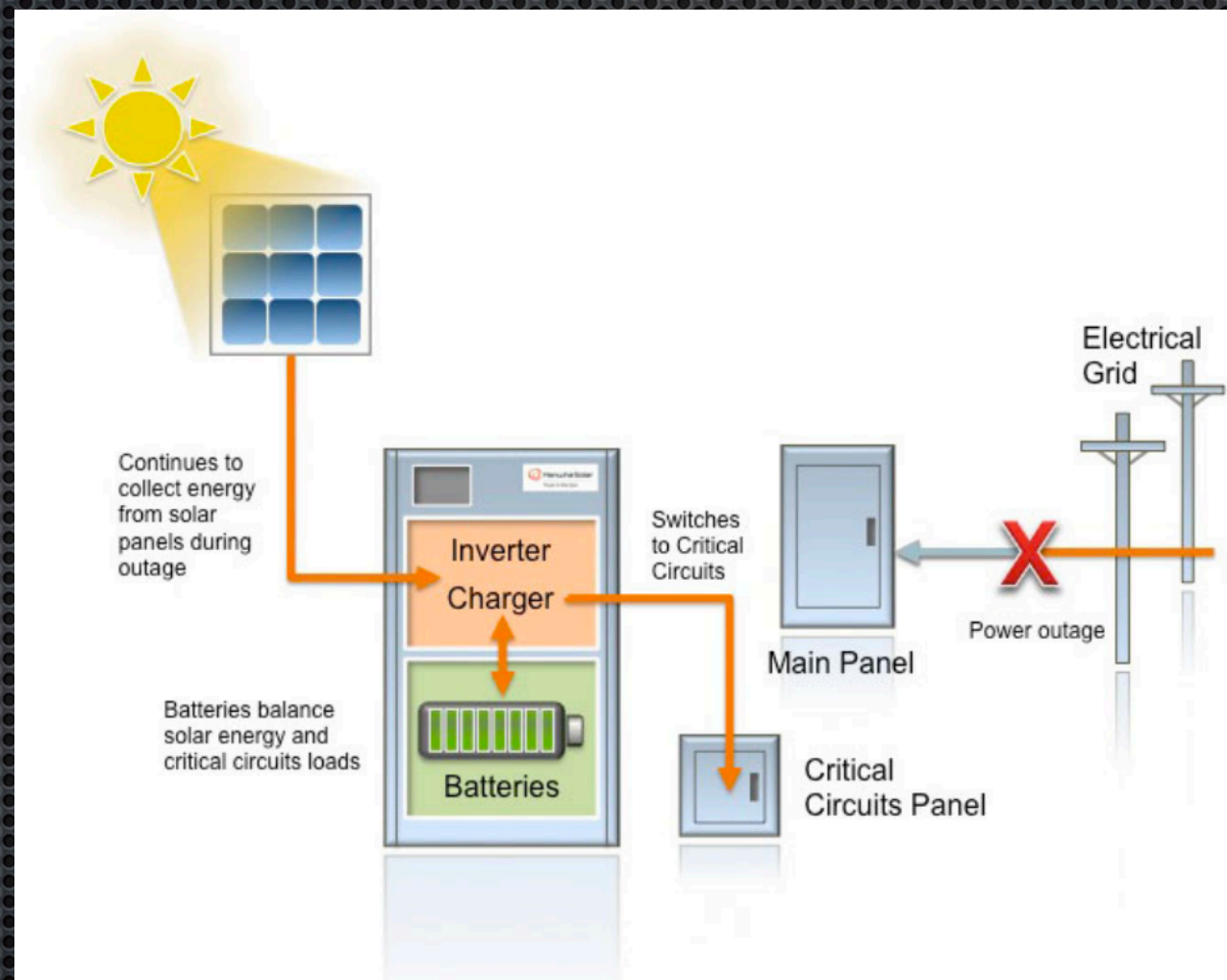
How does solar and storage work through a normal day?



How does it work with solar and the grid?

Do I need solar to have Energy Storage for back-up?

Examples: How it could work for you.



What would Storage support in a power outage

Router

Server

Data Storage

AC for IT Data Room

Specific lighting

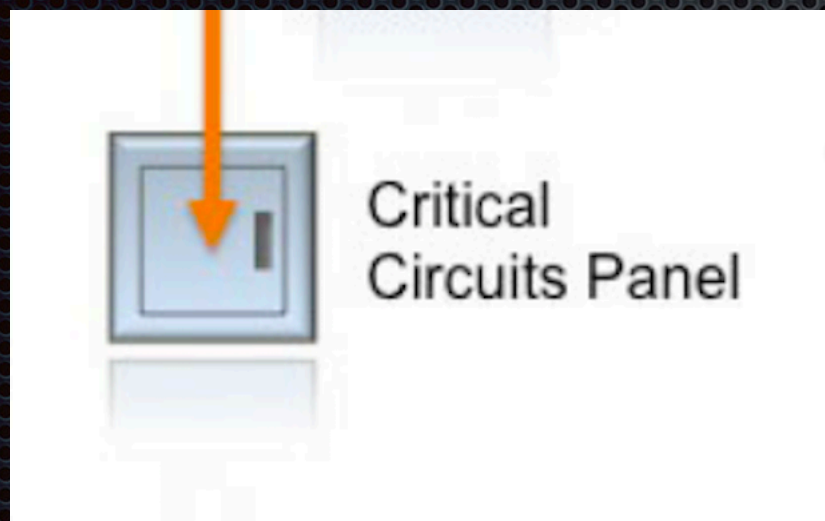
Spare office

Printer(s)

PC's

Phone system(Comms)

Items that will allow you to function and support your most essential operations !





- Georgia Based company
- Going on 13 years
- EPC Developer(Engineer, Procure & Construct)
- Turn-Key
- Over 750 Solar Installations in SE mainly Georgia
- Over 10MW in installations
- 95% work is in-house and Employees of CSUSA
- Scope is 4 kW to 2MW Projects
- 6 NABCEP Certified Professionals on Staff

GEFA Webinar – Renewable Programs Overview

Sy Allen & Brooke Haman
Renewable Customer Engagement



Current Customer Renewable Options

NON-INSTALLATION OPTIONS



CRSP

(Customer Renewable Supply Procurement)

- 1,000 MW program capacity
- Pay levelized program charge
- Receive fuel credit from kWh produced by supply facilities, plus RECs

Commercial Customers Only



Simple Solar

- 1¢ per kWh Solar REC purchase
- Match 50% or 100% of monthly usage
- Large Volume/Special Event discounted pricing



Community Solar

- 8,000 blocks of total availability
- \$24.99/month for 1 kW block
- kWh from each block offsets monthly usage
- RECs retired on behalf of participant

Residential Customers Only

BUY-BACK OPTIONS



DG RFP

160 MW

- Competitive solicitation
- 1 kW - 3 MW AC resources
- Project Owner sells 100% of energy to GPC through a PPA.



Customer Connected DG

50 MW

- Must be installed at customer premise
- 1 kW - 3 MW AC resources
- Customer sells 100% of energy to GPC through a PPA.



Energy Offset Only

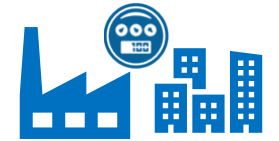
Customer installs solar on premise and generation off-sets customer usage. No energy is delivered to grid.



Renewable & Non-Renewable Resources Tariff (RNR)

- Georgia Power will purchase all or any excess generation at solar avoided cost rate.
- Residential (≤ 10 kW)
 - Commercial (≤ 250 kW)

**Monthly Netting Update
Coming Soon**

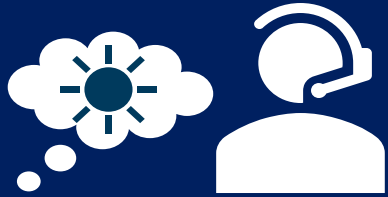


Qualifying Facility

- Georgia Power will purchase all or any excess generation at standard hourly avoided energy cost.
- ≤ 80 MW



Customer Engagement Overview



INQUIRY

- Customer interested about solar PV and wants to know more about their options.
- **Project Coordinator discusses:**
 - Customer's goals/ needs
 - ALL solar options
 - Interconnection process & requirements



ANALYSIS

- *Upon request, a customer is provided with a customized solar PV analysis, based on:*
 - Energy usage
 - Peak demand (if applicable)
 - Rate
 - Available programs
 - Expectation of savings
 - Other installation factors
 - GPC Energy Services can provide an on-site survey and solar PV installation estimate



INSTALLATION

- **Customer:**
 - Establishes PowerClerk profile
 - Submits application (preferably before installation)
 - Installs Solar PV
 - Signs an (IA) Interconnection Agreement
- **Georgia Power:**
 - Reviews PV specifications (preferably before installation)
 - Executes IA/ setup billing
 - *Verifies equipment installed
 - *Reprograms the meter



PowerClerk Application Process

Step 1: Go to GPC Solar Buy Back Webpage

Click Here to Access PowerClerk



Solar Power Buy Back & Installation

Depending on your circumstances, installing a solar array at your home or business may be a good opportunity to consider. If you're considering a solar installation, it is very important that you understand your current rate. Georgia Power offers several different rate structures, each of which will provide energy savings from solar production differently. Georgia Power is your go-to source for all the information you need to determine if solar is right for you.

UPDATED Renewable & Nonrenewable Tariff (Small generators ≤ 250 kW)

A modification to the Renewable and Non-Renewable Resources Tariff ("RNR") was approved in December through the 2019 Rate Case. Once the Georgia Public Service Commission issues the written final order in the 2019 Rate Case, Georgia Power will work with the Commission and Staff to confirm the details and develop a plan to implement the motion related to behind-the-meter solar installations and the impacts to the Renewable and Non-Renewable Resources Tariff ("RNR").

The program limitation on renewable energy resources is limited to 10 kW for residential and 250 kW for commercial, as specified by the combined nameplate rating of the inverter.

For details on the current program, see the [Renewable and Nonrenewable Resources \(RNR\) Tariff](#).

Qualifying Facilities (QF)

Georgia Power customers who generate electricity may sell some or all of that electricity back to Georgia Power. Small generators (≤ 250 kW) are eligible to sell their electricity under the Renewable & Nonrenewable Tariff. Larger customers (≤ 80 MW) may sell their electricity as a [Qualifying Facility](#).

Interconnection requirements are defined in the following document: [Operation of Distributed Energy Resources \(DER\) in Parallel with the Distribution System \(PDF\)](#).

Ready to connect to the grid?

Customers who desire to connect their solar installation to offset usage and/or sell electricity under our available programs should apply here online.

[Apply Today](#)

Solar Installation

Considering a Solar Installation for your Home?

As your energy partner for solar, we're committed to providing you the information and guidance you need to make an informed choice. Use our interactive online tool "[Is a Solar Installation Right for You?](#)" to see an estimate for solar installation. To further explore the possibility of a home solar system, we encourage you contact a Georgia Power Solar Energy Expert. Our Solar Energy Experts will review your home and energy usage to help you customize an option that best fits your needs. If you decide to make the transition to solar, you can purchase your system from a vendor of your choice, including Georgia Power. For more information, please email us at G2GPCSE@southernco.com.

Is a Solar Installation Right for You?

Solar energy is a renewable and emissions-free energy source. Find out if a solar panel installation is a good energy option for your home.

[Learn More](#)

Need to Interconnect Your Solar Installation?

Plug your solar system into Georgia Power's grid to ensure your electricity needs are always met. See our Interconnection Requirements - [Operation of Distributed Energy Resources \(DER\) in Parallel with the Distribution System \(PDF\)](#) and when your installation is ready we'll help you [interconnect](#).

Information and Tools to Assist You

- [NABCEP \(North American Board of Certified Energy Practitioners\)](#)
- [DSIRE \(Database of State Incentives for Renewables and Efficiency\)](#)
- [Solar Buy Back with Georgia Power](#)
- [Behind-the-Meter Distribution Interconnection Summary](#)



Step 2: Register New Account & Log In



PowerClerk Application Process

Projects x +

btmchannelsdemo.cleanpowerdemo.com/PCITrial/MvcProjects/ProjectList?ProgramId=YKGM79MX5FEV

Apps PowerClerk CIT :: Customer Info... PVWatts Calculator - SmartGrid Data P... The MODsolar Platf... LIMSgis Pricing_and_Rates_... Georgia Tax Assess...

Georgia Power

PowerClerk®

Welcome, Erica Customer | [Log Out](#)

HOME SETTINGS ▾ [ASK A QUESTION](#)

GEORGIA POWER - BEHIND THE METER CHANNELS [Change Program](#)

[New EOO & RNR Application](#) [New >250kW Large Facility Interconnection](#)

[All Projects](#) [Application Submitted](#) [Customer Edits](#) [Circuit Study Request](#) [Transmission Study](#) [Distribution Study](#) [Reliability Study](#) [Circuit Study Review](#)

[Successful Application](#) [Construction](#) [Pending Project](#) [Installation](#) [Witness Testing](#) [Pending Customer Signatures](#) [GPC Execution](#) [Project Complete](#) [Online](#) [Released](#)

[Step 3: Choose Your Application](#)

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PowerClerk Application Process

Edit Project

btmchannelsdemo.cleanpowerdemo.com/PCITrial/MvcProjects/EditProject?ProgramId=YKGM79MX5FEV&ProjectId=PZUM9TJRAAZT&FormId=XK...

Apps PowerClerk CIT :: Customer Info... PVWatts Calculator - SmartGrid Data P... The MODsolar Platf... LIMSGis Pricing_and_Rates_... Georgia Tax Assess...

HOME SETTINGS ASK A QUESTION

Terms and Conditions Program Selection Application

PROGRAM SELECTION

Total Inverter AC Nameplate Capacity kW * ?

Total Panel DC Nameplate Capacity kW * ?

Is this installation part of a Solarize effort * ?

Is the Facility owned by Customer - Generator or Leased? *

Is this system already installed? * ?

Program Details * ?

Program Selection *

☐ PLEASE CERTIFY THAT YOU HAVE READ THE ABOVE MATERIAL *

Back Next

Step 4: Enter Solar Capacity & Select Program

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PowerClerk Application Process

Web browser window showing the PowerClerk application process. The browser tab is "Edit Project". The address bar shows the URL: `btmchannelsdemo.cleanpowerdemo.com/PCITrial/MvcProjects/EditProject?ProgramId=YKGM79MX5FEV&ProjectId=PZUM9TJRRAAZT&FormId=XK...`. The browser's address bar also shows several open tabs: Apps, PowerClerk, CIT :: Customer Info..., PVWatts Calculator, - SmartGrid Data P..., The MODsolar Platf..., LIMSGis, Pricing_and_Rates..., and Georgia Tax Assess....

The application interface has a dark blue header with "HOME" and "SETTINGS" links, and an "ASK A QUESTION" button. Below the header, there are three tabs: "Terms and Conditions", "Program Selection", and "Application". The "Application" tab is active, and it contains a form titled "CUSTOMER INFORMATION".

The form fields include:

- Georgia Power Customer Type *
- Georgia Power Customer Class *
- Georgia Power Account Number *
- Georgia Power Customer Contact Name * (First, Last)
- Company
- Address * (Street, City, Zip Code)
- Email *
- Phone *
- Project's Service Address * (New Contact, Street, City, Zip Code)
- Provider's Mailing Address * (New Contact, Street)

Step 5: Fill Out Application

This Includes:

- Customer Contact
- Project Service Address
- Installer Information
- Project Information
- Battery Information
- Metering
- Attachments



Behind-the-Meter Solar Options

	EOO- Energy Offset Only	RNR- Renewable and Nonrenewable Resources Tariff	RNR (Monthly Netting)- Renewable and Nonrenewable Resources Tariff	QF- Qualifying Facility (Renewable)
AC Size: (Max Aggregate Inverter Rating)	Not restricted	Residential: <10 kW Commercial: <250 kW Limited to 125% of current metered peak demand	Residential: <10 kW Commercial: <250 kW Limited to 125% of current metered peak demand	Small Power: <80 MW Cogeneration: no limit
Customer Credit/ Savings:	<ul style="list-style-type: none"> • Offset avoided kWh load • No credit for kWh received 	<ul style="list-style-type: none"> • Offset avoided kWh load • Credit for kWh received (instantaneous netting) @ solar avoided cost rate 	<ul style="list-style-type: none"> • Offset avoided kWh load • Credit for kWh received (monthly netting) @ solar avoided cost rate 	<ul style="list-style-type: none"> • Credit for kWh received @ hourly avoided cost rate
Renewable Energy Credits (RECs):	Customer maintains RECs	Customer maintains RECs	Customer maintains RECs	Customer maintains RECs
Witness Testing (one-time) Fee:	Not to exceed \$2,500	\$5 per kW AC	\$5 per kW AC	Not to exceed \$2,500
Metering Fees:	No fee- bidirectional	No fee- bidirectional	No fee- bidirectional	\$210 monthly- 2 meters
Additional Fees:	Site specific distribution or metering costs as applicable	Site specific distribution or metering costs as applicable	Site specific distribution or metering costs as applicable	Site specific distribution or metering costs as applicable
Agreement:	Distributed Generation Service Agreement	Distributed Generation Service Agreement	Distributed Generation Service Agreement	Distributed Generation Service Agreement or PPA

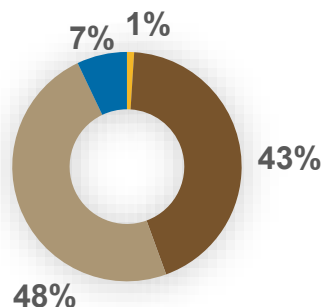
Resiliency Technical Assistance Workshop

April 2, 2020



Renewable Generation Mix

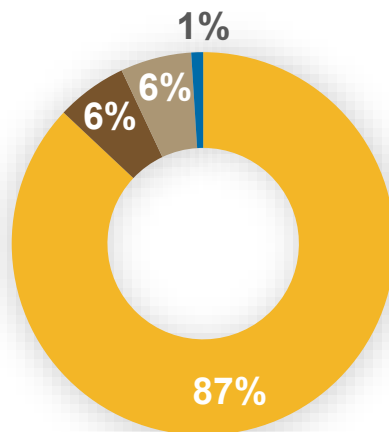
2010



32 MW

(Equivalent to ~640 acres of solar modules)

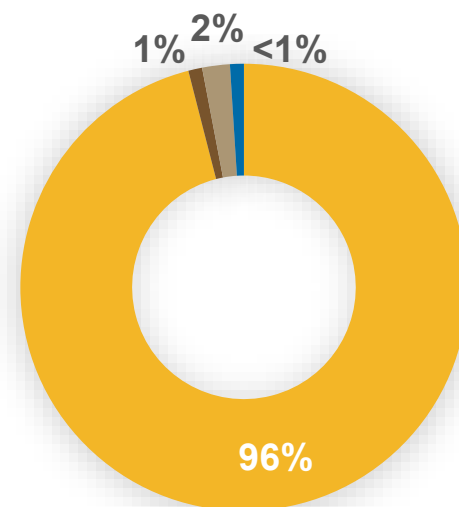
2018



285 MW

(Equivalent to ~3,200 acres of solar modules)

2021

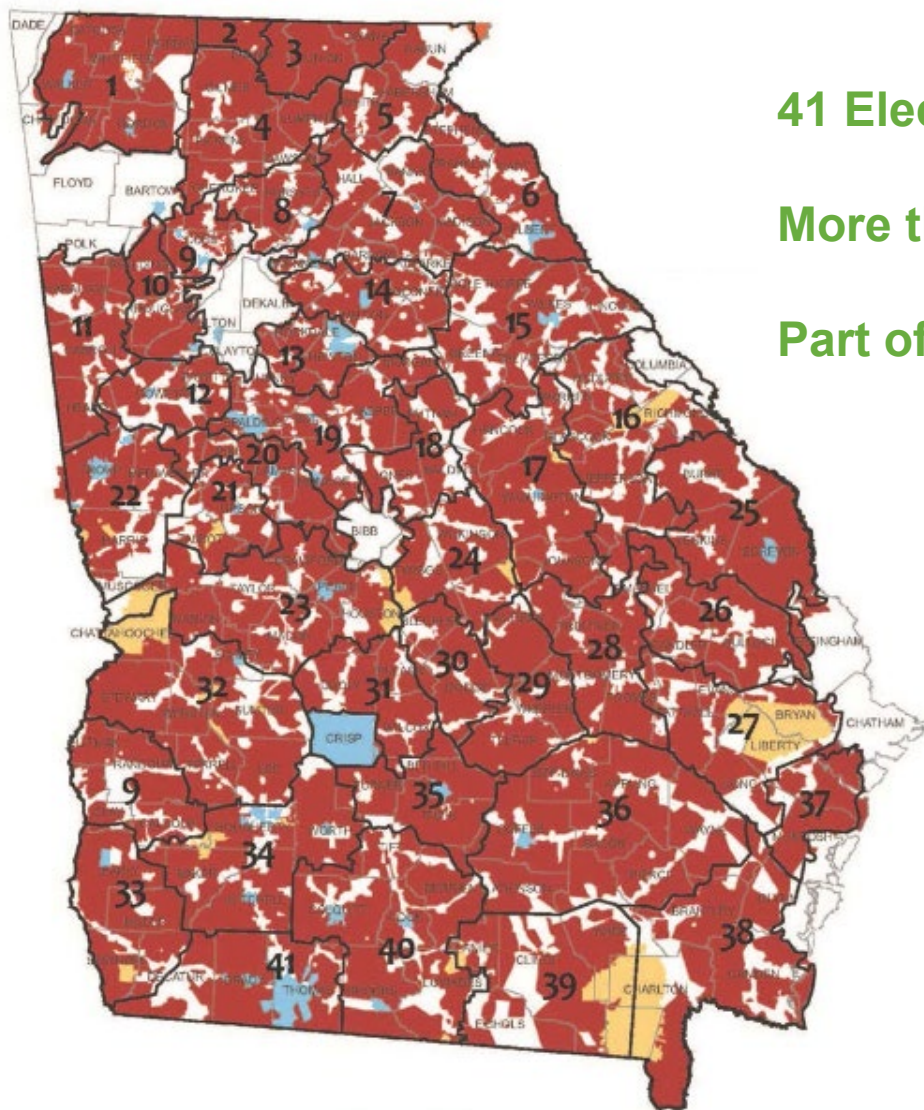


1200 MW

(Equivalent to ~10,200 acres of solar modules)



Member EMCs in Georgia

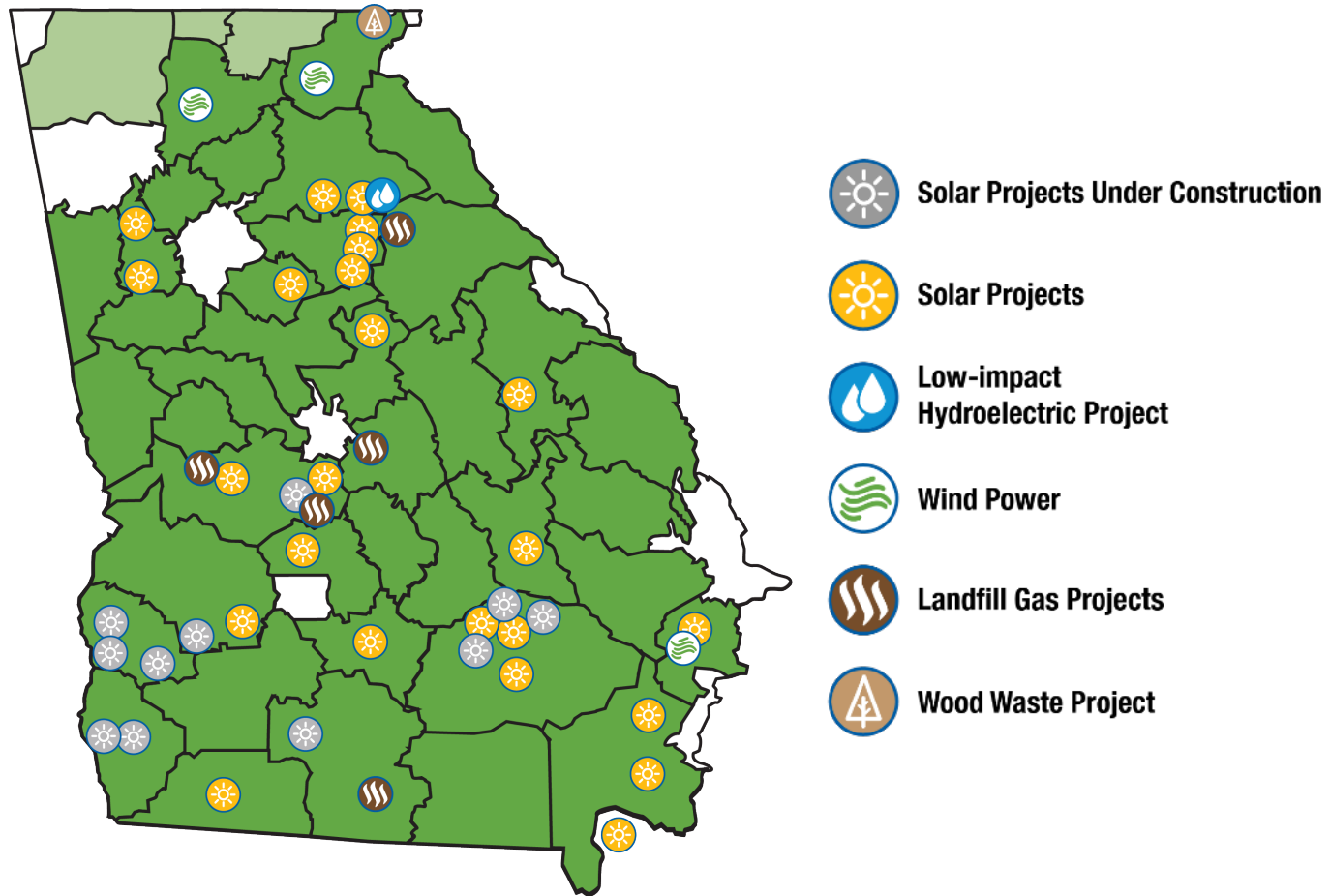


41 Electric Membership Corporations

More than 4 Million Georgians


Part of almost all counties in GA

Member EMC Solar Initiative



 EMC territories offering Green Power EMC

 EMC territories offering other green power

 Areas not served by EMCs

Solar Project Scale

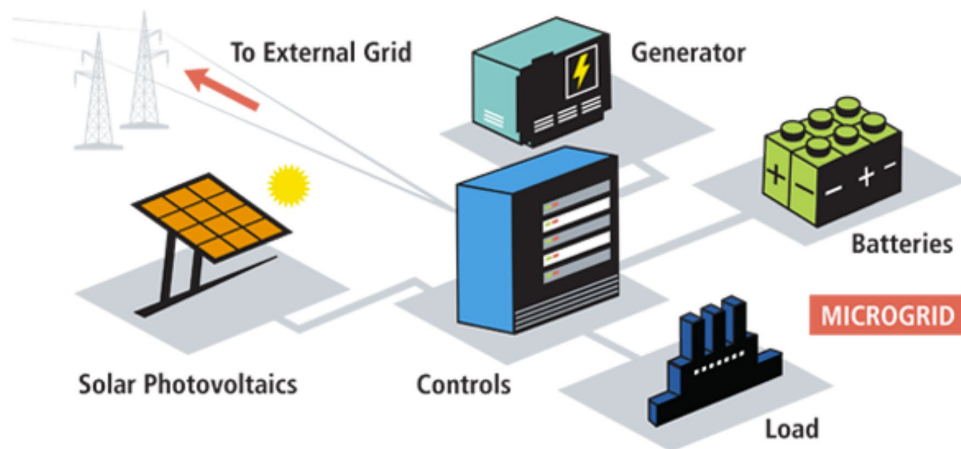


Hazlehurst 52 MW Project, Jeff Davis County



Middle Georgia 1 MW Project, Dooly County

Resiliency



Note:

The Battery/Solar/Generator have to be closely coordinated with the Utility Grid to increase resiliency

Battery/Solar/Generator Can:

- Increase Resilience of the “Energy Load/Building”

And

- Potentially Increase Resiliency of the “Grid”

Utility Considerations

- Communicate, Communicate, Communicate
- Utility Engagement Can Potentially Unlock Increased Value from Microgrid
- Explore electrical load and potential rate considerations
- Plan-up front for utility interconnection requirements
- Enlist the **help of your utility** to help screen/scope/evaluate the opportunities and benefits of microgrids.

Jeff Pratt

President
Green Power EMC

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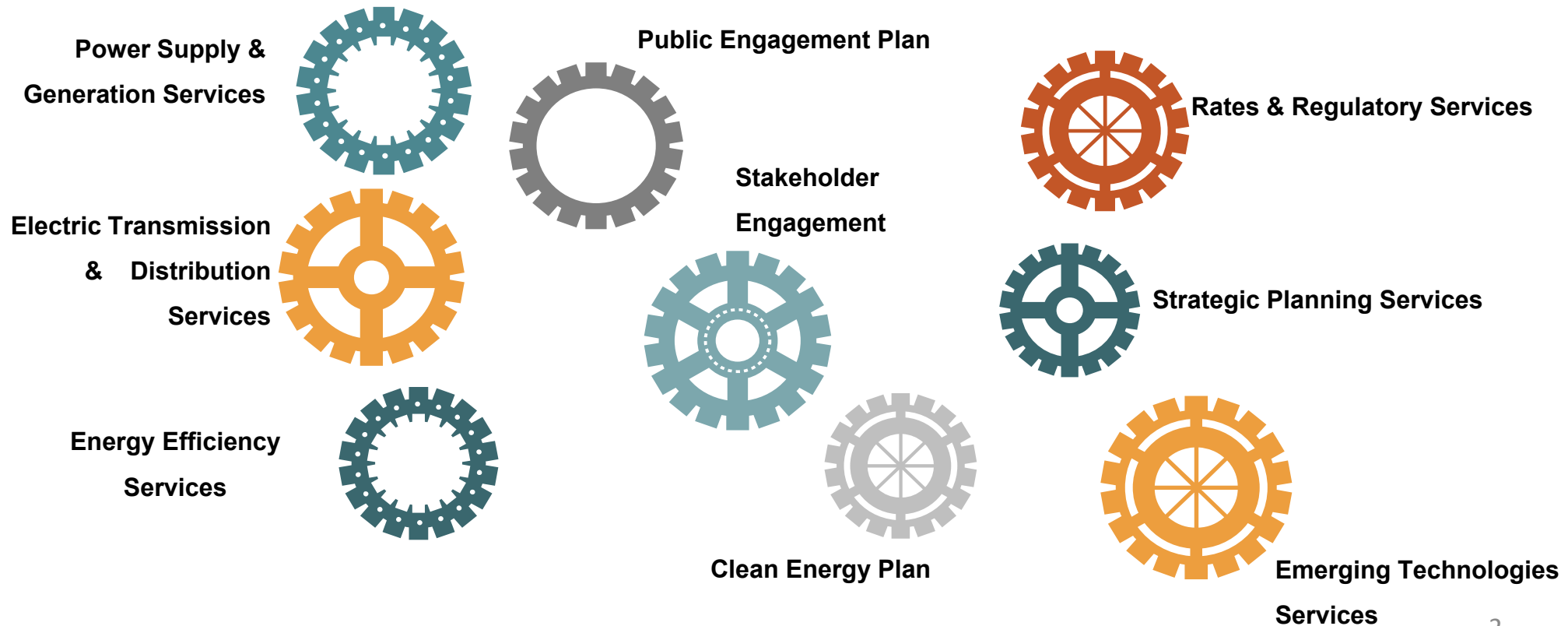
Georgia Solar Resiliency Webinar

**Prepared by GDS Associates, Inc.
for Georgia Environmental Finance Authority**

April 2, 2020



- GDS is an Atlanta based multi-service consulting and engineering firm established in 1986
- The size and depth of our firm permits us to offer clients multiple sources for assistance, ensuring **complete**, **competent**, and **timely** service.
- GDS strives to develop long-term client relationships
- Our goal is to be a wise investment in consulting services for our clients



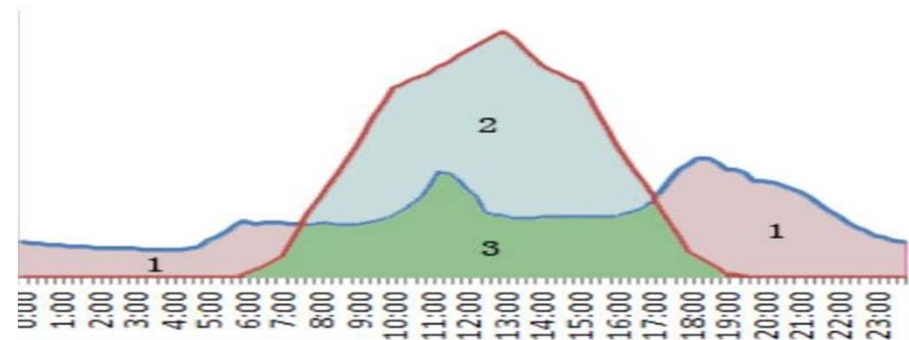
Solar Resiliency Feasibility Study will assess the opportunity to utilize solar and battery storage system to enable local government's critical infrastructure systems to continue to operate during utility electrical outages.

- **What is Resiliency?**
- **Critical Infrastructure and Electric Load**
- **Outage Duration**
- **Site Solar Potential**
- **Electric Load Profile**
- **Electrical Configuration**
- **Existing Backup Generation**
- **Utility Interface**



FOCUS: *Ensure Feasibility Study provides a realistic assessment of the potential project, estimates project economics and meets the applicant's project needs.*

- GDS Consultation with Applicant
- Potential Project Information Gathering
- Site Visit and facility Review (if necessary)
- Preliminary Feasibility Study Results Shared With Applicant
- GDS Feasibility Study Review with Applicant
- Finalize Feasibility Study

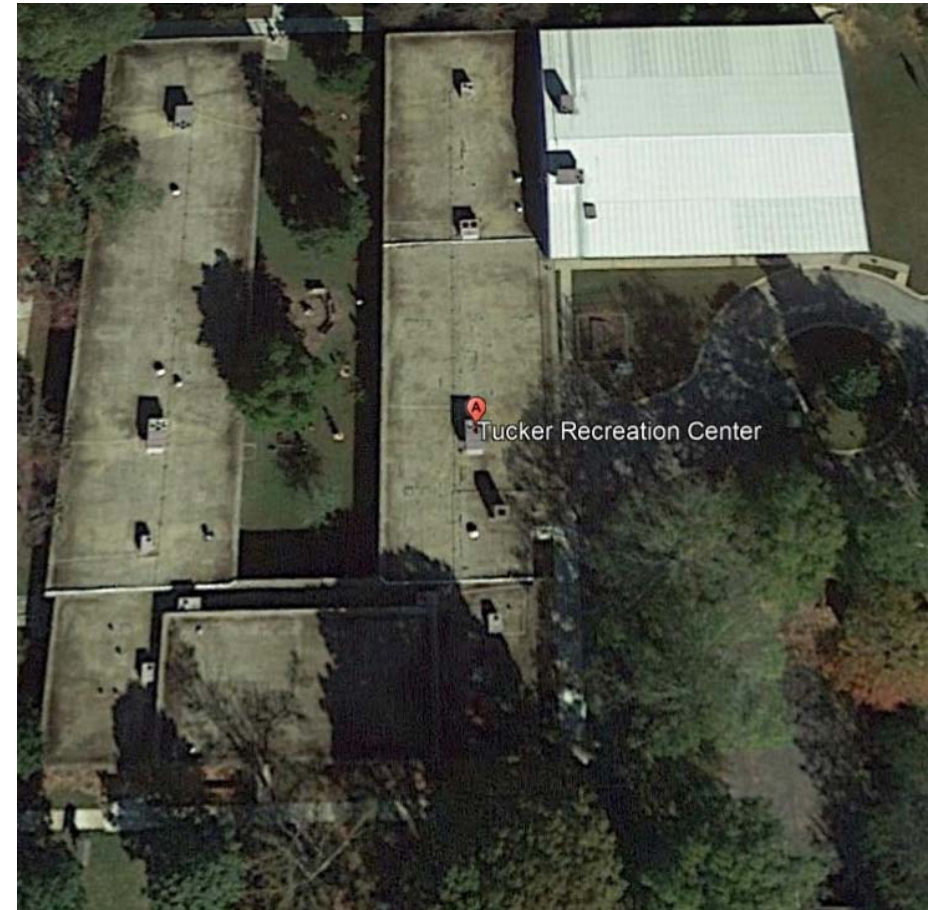


- **Projection of critical infrastructure electric requirements during an outage**
- **Solar and battery storage system sizing**
- **Projected solar and battery system resiliency performance**
- **Estimated project costs**
- **Estimated energy savings from solar system**
- **Project economic evaluation**

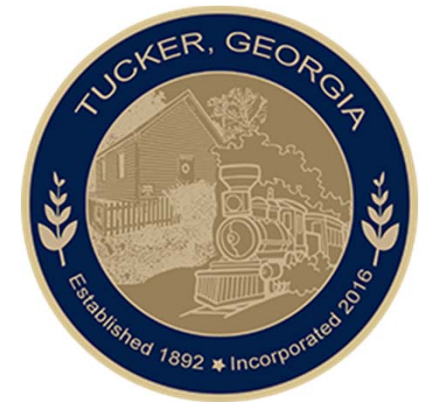


Example Solar & Battery Storage Resiliency Project

Tucker, GA Recreation Center



- **Tucker, GA – city owned recreation center which contains critical **IT** infrastructure.**
- **Project goal is to maintain power to IT systems during outage.**
- **Critical IT systems contained in single location with independent cooling.**
- **Critical load analysis,**
 - **5 Servers, 10 firewalls, (1) 2 ton CRAC Unit**
 - **Outage duration estimated to be 72 hour**



- **Interviewed Tucker to identify critical infrastructure and operation needs.**
- **Modeled building electric usage patterns based on facility use and hours of operation.**
- **Modeled electric consumption pattern for critical infrastructure during outage.**
- **Modeled solar and battery storage systems capable of providing 72 hours of electric service during utility outage.**
- **Estimated project costs.**
- **Estimated utility savings.**



- **The initial design phase is the most important.**
- **Key decisions need to be made early to determine feasibility:**
 - Intended operation of the system
 - Critical load analysis, billing data
 - Proper equipment sizing, efficiency opportunities
 - Financials (grants, ITC)
 - Ownership and maintenance
- **Site Characteristics Essential to Determining project Potential:**
 - Building Design
 - Tree Cover
 - Electrical Configuration
- **Serving Utility Requirements**

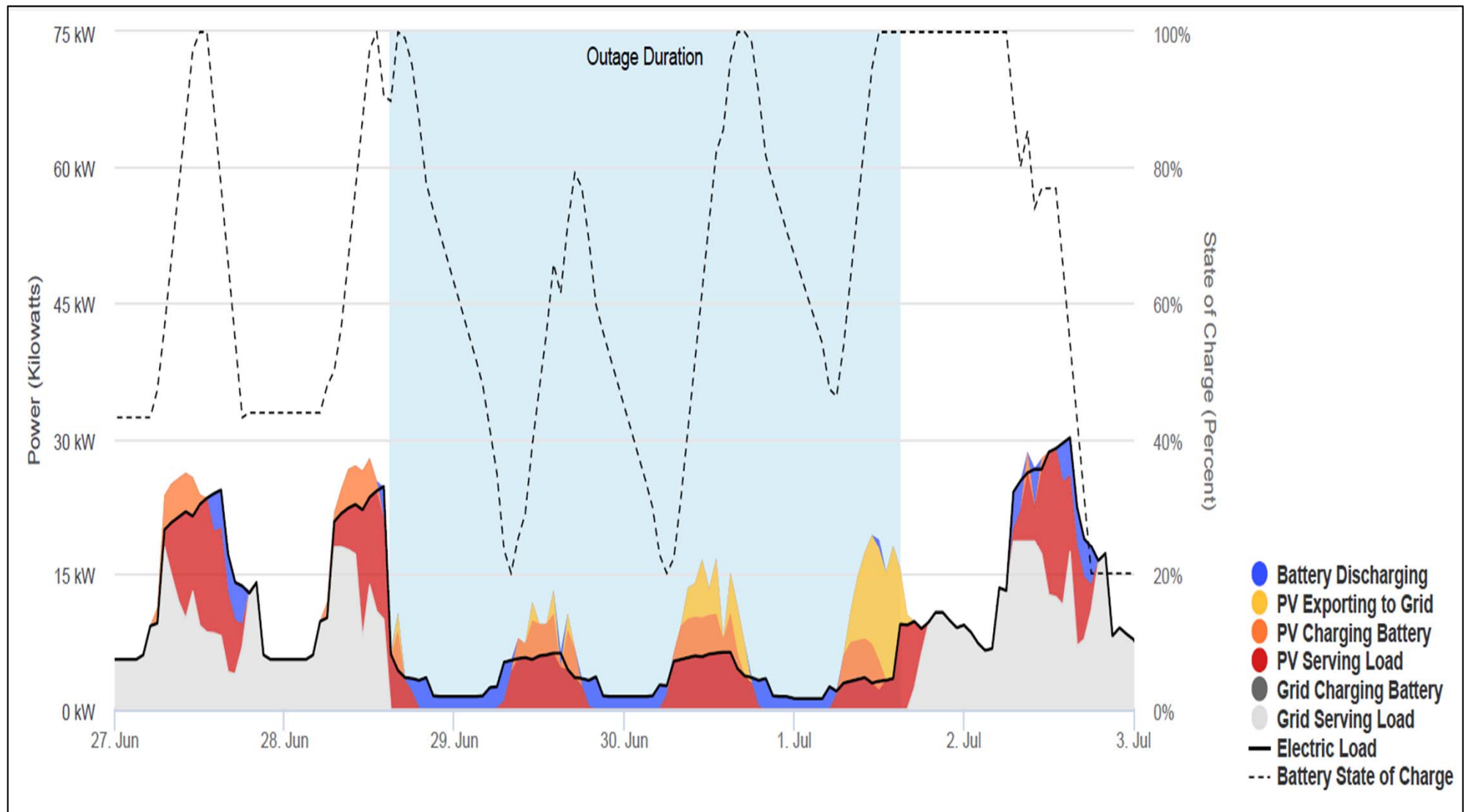


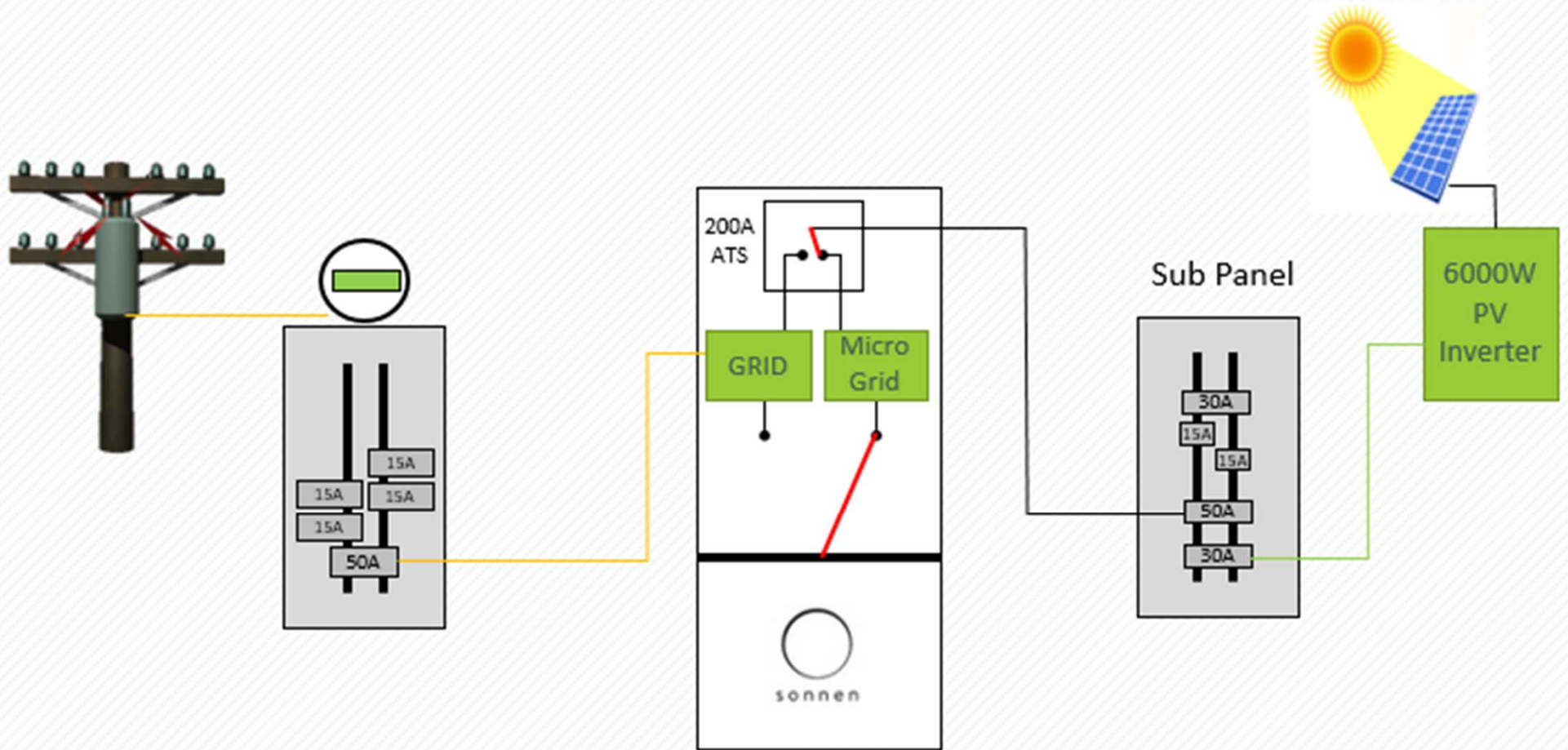
- **Solar & Battery Storage Project:**

- 30 kW Roof-Mounted Solar System
- 4kW / 40 kWh Battery Storage System
- Estimated Project Cost: \$130,000
- Estimated Utility Savings: \$2,400 annually

- **Additional Project Infrastructure:**

- Separation of critical loads into separate subpanel
- Utility Isolation Device





Feasibility Study Application

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Application

Application Requirements:

- Include up to two facilities
- Explain type of critical facility and other facility basics
- Do you have utility bills and architectural/engineering drawings?
- Is there current backup generation?
- Description of overall resiliency goals for the facilities
- Letter of support from high-ranking organization official

Application Due Date:

April 20, 2020

Investing in Georgia's Energy, Land, and Water Resources



Application

Application is web-based through a Quickbase.com app

<https://georgiaenvironmentalfinanceauthority.quickbase.com/db/bqduk3pkr?a=nwr>

The screenshot shows the Quickbase application interface. At the top is a purple header with the Quickbase logo and user information. Below the header is a navigation bar with icons for Home, Users, Applications, Table #2, Reporting, and New Table. The main content area is titled 'Applications > Add Application' and includes a 'Save & close' button, a 'Cancel' button, and a 'Customize this Form' link. The application content includes a welcome message, a description of the program, and a list of instructions. The 'Instructions' section states that applicants must be a Georgia city, county, or registered local government authority, and that the program is offered to local governments and authorities only. The 'Applicant Information' section includes a form for 'Organization Name' and a dropdown menu for 'Applicant Organization'.

QUICK BASE | Hi, Kristofor Anderson

Ge... 2... 2... 2... 2... 2... U... B... E... W... G... G... C... R... G... N.

Home Users Applications Table #2 Reporting New Table

Applications > Add Application Save & close Cancel Customize this Form

▸ Reports & Charts

Welcome to the Georgia Environmental Finance Authority Solar Resiliency Online Application

Welcome to the Georgia Environmental Finance Authority (GEFA) Solar Resiliency study application.

GEFA is offering this program to increase resiliency and clean energy for local governments in Georgia. This program is offered to local governments and authorities only.

GEFA will pay for a technical consultant to develop a solar plus battery storage resiliency study for up to two critical local government facilities per government entity or authority. The study will help the local government review the proposed critical facilities to help determine if solar plus battery storage can effectively provide backup power for the facilities. While this program will not fund the development of the solar plus battery storage at this time, it is the goal of GEFA to provide funding for the installation of solar plus battery storage for local government facilities in the future, pending funding availability from the U.S. Department of Energy (U.S. DOE).

Please note: Applicants must be a Georgia city, county or registered local government authority. Only one study per community/applicant will be funded. The funding is provided by the U.S. DOE. Critical facilities can range from community to community, but examples include public safety buildings, courthouses, emergency management offices, data centers, shelters, and community hubs. The applicant must include a clear description of the facility, and state why it is critical to the community during an emergency.

▼ **Instructions**

Please make sure to fill out all required (*) fields of the application, upload documents where required and when complete, click the SAVE button at the top of the screen. This will submit your application to GEFA. We will review and process all complete applications in the order received. Applicants will receive notification of approval or denial in writing from GEFA, typically within 10 business days.

If you have any questions about the program or about this form, please contact Kelly Cutts at 404-584-1089 or Kristofor Anderson at 404-584-1031.

▼ **Applicant Information**

Organization Name *

Applicant Organization

Investing in Georgia's Energy, Land, and Water Resources

Criteria/Evaluation

Investing in Georgia's Energy, Land, and Water Resources





Scoring Criteria

Scoring Criteria:

Demographics (AMI, Unemployment, Pop Change)	12
Existing Generator	
Yes, good shape	0
Yes, poor shape	2
No Generator	4
County federally declared disaster in Matthew or Michael	2
Critical Facility Justification	5
Application Readiness (has utility bills, critical loads list, etc.)	5
Total	30

Investing in Georgia's Energy, Land, and Water Resources



Next Steps

Evaluation:

- Scoring criteria will be used if we receive more applications than we have funding for.

Notification of Award:

- Notification of selection will occur within two weeks of the application closing.

Next Steps:

- The application link will be posted on our website at www.gefa.ga.gov
- The feasibility studies must be completed by August 31, 2020.

Investing in Georgia's Energy, Land, and Water Resources

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Q & A

