



## AMERICAN RESCUE PLAN ACT (ARPA) 2024 APPLICATION

Please submit a separate application for each project.

### PART 1: CONTACT INFORMATION

**Name(s)**

Jeffery Politis

**Committee or Organization (if applicable)**

Village of Arden- Town Chair

**Cell Phone**

302-383-0429

**Other Phone**

302-475-3516

**Email(s)**

ardenchair@arden.delaware.gov

**Contact Address(es)**

2119 The Highway, Wilmington, DE 19810

### PART 2: PROPOSAL DESCRIPTION

Please summarize your proposed project in 100 words or less.

**Project Title:**

**Project Summary:**

The project will provide a continuous emergency power supply to three public buildings in the Ardens, creating three emergency reception centers, or “resilient hubs”, for the residents of the three Ardens to be used in case of emergency by installing back-up power systems to the Buzz Ware Village Center, The Arden Club Gild Hall in Arden, and the Candlelight Dinner Theater in Ardentown.

**Full Project Description:**

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## VILLAGE OF ARDEN AMERICAN RESCUE PLAN APPLICATION 2024

Describe your project in detail. Why is this project important to the community? Attach more descriptive information to the end of this proposal as needed.

The Villages of Arden, Ardentown, and Ardencroft recognize that the severity of storms has increased in the Mid-Atlantic region in recent years. New Castle County residents have experienced a hurricane, several tornadoes, and a variety of high wind and flooding instances all within the past five years. These storm events present a particular challenge to the three villages, which each have a substantial 65+ population. Outages and storm damage are of particular concern due to the significant tree coverage in the area. As a result, the three villages are seeking funds via a FEMA grant to equip the shared community facilities with back-up power supplies, so that the facilities can effectively serve as reception centers for community members during emergency situations. In addition, these facilities will act as a command control center for the community to coordinate activities required in the case of an emergency.

Our recent focus on emergency preparedness for the Ardens has focused attention on the need to have reception centers or "resilience hubs" within the Ardens. Upon a storm event such as a hurricane, tornado, or powerful storm, New Castle County and State emergency resources will need to focus on high need areas first, potentially resulting in the Ardens need to respond "internally". As such, our ability to provide heat, shelter, first aid, etc will be vital to our community.

During the last NCC Hazard Mitigation Plan work, each Villages identified potential emergency centers that could act as a reception center. Those sites are the Buzz Ware Village Center, The Gild Hall, and the Candlelight Theatre. For these sites to function in this way, they must have power during and after an emergency event. We recently submitted a grant to DEMA/FEMA to cover the cost of power back-up for all three buildings. The grant requires a 25% match by the community. This request will be used to cover a portion of the required match.

The plan is to have natural gas generators for both the Candlelight and the Gild Hall. As both buildings have commercial kitchens and could be used to supply shelter, meals, heat and electric, the generators will be sized to operate the entire building. These buildings will likely be used in sustained outages and/or significant infrastructure damage. The Buzz Ware Village Center will be equipped with a battery back-up system. The fully charged batteries will be designed to provide a minimum of 3 days of power supply to the full building minus the AC. The batteries will be connected to the solar panels which can provide additional charging providing the panels are not damaged or unobstructed. The Buzz will likely operate as a first response building and for shorter term needs.

An example of this use occurred recently. The storm even in January 2024 knocked out power to 35 homes for 2+ days. During this event, the Buzz was opened to those residents, who were able to stay warm, charge electronic, use internet, and get a cup of coffee. Fortunately, the Buzz did not lose power and was able to be used in this capacity. This small event highlights the need for this project.

This plan ensures the community will have access to help in the case of an emergency event. Specifically, there are built-in redundancies in the three buildings and multiple power sources. The buildings are less than 0.5 miles from each other and less than 1 mile away from the farthest resident. If one building is damaged, having another building nearby is critical to providing the needs of the community. Additionally, having one building with battery back-up potentially charged by the solar panels provides additional safeguards in case of a natural gas pressure drop which would prevent the generators in the other locations from running.

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In sum, creating resilient hubs will offer some security to all residents, young, mature or elderly, of the Ardens.

This grant proposal is for a portion of the match requirements. The request is to approve up to \$20,000 to go towards the overall project

The specific proposal includes:

The **Buzzware Village Center** will receive batteries to store the electricity generated by existing solar panels. This will require some upgrades to the existing system in conjunction with the battery installation.

Batteries:

- 1 Note: Installation Costs           \$ 6480.
  - 2. Battery and related equipment \$31,163.
- SUB TOTAL \$37,643.00

Upgrades to existing electrical system

- 1.Labor                                   \$7225
  - 2.Materials                             \$2645
- SUB TOTAL \$9870.00

**BWVC TOTAL \$47,513.00**

The **Arden Club Gild Hall** will receive a 32-60KW Generac Natural gas electrical standby generator for single phase service. The generator will include wi-fi- monitoring with an all-aluminum enclosure. A 400 amp transfer switch will be installed to transfer power.

- 1. Equipment                           \$21,794
- 2. Gas Line Install                   \$10,400
- 3. Generator Labor                   \$18,846

**GILD HALL TOTAL \$51,040.00**

The Candlelight Theater will receive an 80KW Generac Natural gas electrical standby generator for single phase service. The generator will include wi-fi- monitoring with an all-aluminum enclosure. A 400 amp transfer switch will be installed to transfer power

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**VILLAGE OF ARDEN AMERICAN RESCUE PLAN APPLICATION 2024**

1. Generator, Transfer Switch. Natural Gas Connection	\$34,861
2. Gas Line Install	\$4,000
3. Labor and Misc	\$9,015

CANDLELIGHT TOTAL \$47,876

PROJECT SUB-TOTAL \$146,429

1. Misc and Contingencies \$14,047

PROJECT TOTAL – \$160,476

25% Match = \$40,119

ARPA request = \$20,000 (up to)

Please see the attached estimates for additional detail of the individual components.

The first phase of the project will be to finalize all designs and costs and hire the contractors. All costs above were completed by licensed electrical contractors.

## PART 3: PROJECT ADMINISTRATION

### **Project Administrator(s)**

**Name: Jeffrey Politis**

**Title: Chair of Town Assembly, Village of Arden**

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Email [ardenchair@arden.delaware.gov](mailto:ardenchair@arden.delaware.gov)

Phone 302-383-0429

Estimated start date 10/1/2024

Estimated end date 6/31/2025

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**VILLAGE OF ARDEN AMERICAN RESCUE PLAN APPLICATION 2024**

## PART 4: PROJECT COSTS

### Estimated expenses (use additional sheets if needed):

Materials:	\$ 90,463
Labor:	\$ 41,566
Other:	\$ 28,447
<b>Expenses Total:</b>	<b>\$ 160,476</b>

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### Estimated Income: Other funding source(s) if any. Please name and list expected amounts for each source and if these are funds are confirmed.

Funding source 1:	Ardentown	\$15,000 (up to)
Confirmed - Yes		
Funding source 2:	FEMA	\$ 120,357
Confirmed? – Grant Submitted		
Funding source 3:	Ardencroft	TBD
Confirmed – In discussion		
Funding source 4:	Arden Club	TBD
Confirmed – In discussion		
Funding source 5:	NCC – Council Cartier	TBD
Confirmed – In discussion		
Funding Source 6	State of Delaware – Gay/Lambert	TBD
Confirmed – In discussion		
<b>Total other funding:</b>		<b>\$135,357</b>

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Expenses total (from above): \$ 160,476

Less other funding (from above): \$ 135,357

**TOTAL ARPA REQUEST: \$20,000**

NOTE THAT SOME FUNDING IS EXPECTED FROM EACH OF ARDENCROFT, ARDEN CLUB, AND NCC- CARTIER. THUS IT IS EXPECTED THAT \$20K IS THE MAXIMUM REQUIRED FROM THE VILLAGE OF ARDEN.

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**VILLAGE OF ARDEN AMERICAN RESCUE PLAN APPLICATION 2024**

Please attach a minimum of two (2) bids from contractors to this application.

**BWVC**

**Bid**

**Name of Contractor Belmont Solar**

**Estimated Cost \$ 37,643**

**Pros & Cons of this Bid: Known contractor**

**Bid - addition**

**Name of Contractor Cheiffo Electric Inc.**

**Estimated Cost \$9870.00**

**Pros & Cons of this Bid: Known contractor, experienced with the Buzz**

**Gild Hall**

**Bid**

**Name of Contractor Cheiffo Electric Inc.**

**Estimated Cost \$51,040**

**Pros & Cons of this Bid: Known Contractor**

**Candlelight Theatre**

**Bid**

**Name of Contractor CMI**

**Estimated Cost \$47,876**

**Pros & Cons of this Bid: Known Contractor**

What, if any, are the recurring maintenance costs to the Village of Arden for this project?

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Service agreement for the Candlelight Generator: \$700.00 @year

Service agreement for the Gild Hall generator \$289.00 @year

## PART 5: CONFLICT OF INTEREST

Please describe any potential conflict of interest here for the Project Administrators or the Contractors of this project. For more information use this link to Arden's Conflict of Interest Policy: [https://arden.delaware.gov/wp-content/arden\\_docs/ConflictOfInterestPolicy.pdf](https://arden.delaware.gov/wp-content/arden_docs/ConflictOfInterestPolicy.pdf)

Cheiffo Electric is owned and operated by a resident of Arden. He is a well respected electrician in the community and has done work for the Village previously at the BWWC

## PART 6: SUBMISSION

Attach further information as needed.

**Return no later than February 16, 2024,** to the Arden Community Planning Committee at [Planning@Arden.Delaware.gov](mailto:Planning@Arden.Delaware.gov). Or mail to: Arden Community Planning Committee, 2119 The Highway, Arden, DE 199810-4058.

Contact Jennifer Borders, Chair Community Planning Committee, for questions at [Planning@Arden.Delaware.gov](mailto:Planning@Arden.Delaware.gov).

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