



## ARP-12

ARP Application - Barbour County

**Status:** Active

**Date Created:** Mar 31, 2022

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### Applicant

Shayne Brown  
barbourmedic463@gmail.com  
85 Judy Lane  
Philippi, West Virginia 26416  
304-629-8403

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### Certification

**PLEASE CERTIFY THAT YOU HAVE REVIEWED THE US  
TREASURY GUIDELINES REGARDING THE ELIGIBLE  
USES OF AMERICAN RESCUE PLAN STATE AND LOCAL  
RECOVERY FUNDS**

#### Digital Signature

Shayne Austin Brown  
01/22/2022

Click here to review the US Treasury Guidelines  
(<https://home.treasury.gov/policy-issues/coronavirus/assistance-for-state-local-and-tribal-governments/state-and-local-fiscal-recovery-funds>)

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### Contact Information

#### Organization Name

Barbour County Emergency Squad Inc.

#### Address

P.O. Box 55

#### Website (if applicable)

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#### Phone Number

304-457-2037

#### Email Address

barbourem@aol.com

#### Type of Organization

Emergency Medical Services (Non Profit)

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### Project Summary

**Please provide a narrative overview or summary of your proposal, including but not limited to the following:**

#### 1. Description of the proposal

This proposal will be to bring much needed updating of life saving portable cardiac monitors to allow the agency to continue to provide the highest quality, lifesaving services for the citizens and visitors of our response area. These state-of-the-art cardiac monitors will provide EMTs and Paramedics with the up to date equipment to be able to detect acute myocardial infarction (heart attack) in the field by linking the field crews with medical command physicians to get the patient to the correct facility for life saving treatment. The new cardiac monitors will also allow for more aggressive

respiratory care in patients with the End Tidal Co2 monitoring. This will benefit the patients and providers with better technology to allow for better and quicker treatment of respiratory issues such as COVID possibly exposed during in the field resuscitation efforts, thus lowering the chances of already shorthanded emergency responders contracting COVID. The last section of the proposal will bring a big safety and limited provider exposure in morbidly obese patients by allowing the Stryker Power Load System to be installed. This system consists of a Stryker Power Cot and an attachment system that will allow loading of up to 700-pound patients with a touch of a button. This system will load the patient into the ambulance by itself thus saving on calling for more manpower (more exposures) and better safety not only for the patient, but for the crews as well. The power cot has an expanded width to allow for larger patients to be on the cot more safely. These combined efforts would greatly allow for cutting edge care to be given to all those in our county we serve.

## **2. Purpose and key anticipated outcomes**

To allow for updating of Life Saving technology and providing a safer, more advanced care for patients and providers. These much needed upgrades it will allow us to continue to be a state leader in rural emergency medical services and ensure the county has access to quality, life saving care at a moments notice. The need for more advanced care has been highlighted due to the COVID pandemic.

## **3. Individuals or communities served**

City of Philippi, Communities of Brownton, Galloway, Volga, Moatsville, Nestorville, Valley Furnace, Arden, Century and all other small communities in our response area. Services may also be used county wide as requested.

## **4. How the COVID-19 pandemic has necessitated this request**

COVID has taken away the ability to do greater fundraising as was able before. It also has given us the rise in cost of supplies and made capital purchases such as Cardiac Monitors hard to do with already strapped funding sources. The near crippling cost of updated PPE for the COVID response has also played a big roll in the need for this request.

## **5. Amount of funding requested**

251,155.77

## **6. Amount of any bids or cost estimates**

251,155.77

## **7. Amount and source of other funds raised or committed by your organization**

31,000

## **8. How ARP funds, if awarded, will be used**

The funds will be used to enter into an agreement with Stryker Medical to purchase (3) Cardiac Monitor/Defib Devices (LifePak 15 V4), (3) LUCAS 3 Automatic CPR devices and (1) Power Load System with Power Cot. These will be brand new and will also have warranties and services plans provided by Stryker Medical. These additions will join 3 Life Pak 15s that have already be purchased by Barbour County Emergency Squad and will ensure FDA compliance for medical devices. These funds will be coupled with trade in value of \$31,000 from current devices on the new devices.

## **9. How long it will take you to complete the project if awarded funding**

Per discussions with Stryker Reps we could have all purchases in around 10 weeks from order date. Our Rep also stated that it could be less or slightly longer depending on supply and stocking.

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## **Proposal Details**

### **1. Describe the problem or need which your project seeks to address**

Updating life saving devices during the COVID pandemic has become near impossible due to supply shortages, lack of funding for capital improvements and inability to do fundraising. The cost to do business in the EMS field has skyrocketed during COVID and there has been no change in reimbursement rates to reflect the soaring cost of providing care.

The state-of-the-art Life Pak 15 V4 (Version 4) is the most up to date portable Cardiac Monitor/Defib on the market. It will bring the critical advancements in early STEMI (ST Elevated Myocardial Infarction), also known as a heart attack, detection into the ems field. This will allow EMTs and Paramedics to diagnose heart attacks in the field and allow for patients to be taken to the needed facility to best care for their cardiac situation. The Life Pak 15 also carries an upgrade for the respiratory care as well by having waveform end tidal carbon dioxide monitoring. End Tidal Co2 monitoring in waveform is the gold standard in respiratory care and allows for more advanced treatments on values found by the system. This will

also allow the EMTs and Paramedics to better predict patient changes in status and need for more aggressive care. These Life Pak 15s would replace the Life Pak 12's that are currently in service that are pending to be removed from approval by the FDA for use and have become unable to be serviced due to parts being discontinued. Together those will make the current monitors unuseable in the very near future. The current monitors were manufactured in 2004 thru 2006, thus we can expect about 10 to 15 years of life from the new Life Pak 15s. These cardiac monitors are generally used on almost every patient so the new Life Pak 15s are also outfitted with a pulse ox for both adult and child (to read blood oxygen levels) and Automated Blood Pressure cuffs with Adult, Large Adult, Child and infant cuffs to gain automatic blood pressures for vitals monitoring. The monitoring of a patient's Blood Pressure, Pulse Ox, End Tidal Co2 and EKGs are critical in pre-hospital setting, especially when caring for COVID patient or any patient for that matter. The rise in COVID has made all of these even more important and more needed to secure an upgrade in device.

The newest technology in mechanical CPR devices is the LUCAS 3. The device fits over the chest and provides high quality compressions and the correct depth and rate for current American Heart Association CPR guidelines. By having this device it will allow for fewer people to be on a cardiac arrest and also provide safer CPR during patient transport to the hospital. The LUCAS 3 device has also been attributed to higher chances of ROSC (Return of Spontaneous Circulation) or return of a pulse in cardiac arrest victims. This product will be greatly more consistent and higher quality CPR than any provider could. This device also allows for greater attention to be given by EMTs and Paramedics to the patient during the call. The LUCAS 3 will also help protect more crews from COVID exposure due to less people needed to run a cardiac arrest with the LUCAS 3 in place. This will help keep an already short-handed system in service for other emergencies as well.

The last section of the proposal will highlight the Stryker Power Load System with Stryker Power Cot that would be placed into one of our ambulances. This system brings safety for not only the patient but for the providers as well. The Power Load system will allow for automatic loading of patients up to 700 pounds and when combined with the Stryker Power Cot will allow for safer transport of obese patients by our agency. This system will also protect the crews and patient from one of the most dangerous parts of the EMS call which is loading and unloading of the patient from the ambulance. Currently we would have to have multiple crews and sometimes even fire department manpower to help safely load some of these patients. This system would decrease that need in most cases and thus lower the chance of unneeded exposure to COVID and other sicknesses. The Power Cot system would have a greater size bed that would allow for extended sides for obese patient safety and security for transport. This would be the first system of its kind in Barbour County and would greatly improve safe transport for this special population.

## **2. Describe goals and expected outcomes of your proposal.**

The number one goal of the proposal is to ensure that top notch, quality, state-of-the-art patient care and safety is able to be provided by the Barbour County Emergency Squad to anyone who calls for our services. We fully expect that with the ability to secure these devices, the future of rural emergency medical services can be led by our agency. We expect this to propel us into the future of medicine in the field and allow for more clinical advancements by our agency. This again is top priority due to the COVID pandemic providing many needs for advancement in not only patient care but safety of the patient and crew alike.

The secondary goal will be for our agency to continue to have devices that meet that FDA guidelines and requirements set for cardiac monitors for EMS. This standard would be supported also through the addition of the LUCAS 3 device in combination with the advancements of the cardiac monitoring would provide the greatest prehospital care possible.

The third goal of the proposal is to allow for safer transport for the ever growing obese population. The trend in EMS is going towards more safe cot systems and the power load system with a power cot is golden standard. This system not only will enhance patient safety but also will greatly reduce risk of injury for providers as well. This will lead to overall safer transports for not only the patient but for the EMS crew.

## **3. Provide your project timeline**

As of Current supply and demand full project completion would be in the area of 10 weeks but could last longer due to supply slow downs that have been partially caused by COVID.

## **4. Provide your total proposed budget.**

\$251,155.77

## **5. List any partners in the proposal, and the partner's role and your relationship with them.**

Robert Jones- Director of Barbour County Emergency Squad  
Christopher Ward- Stryker Medical Sales Representative for West Virginia

## **6. Describe your plan for sustainability of the project or initiative after the grant award has been exhausted.**

Our current plan that will allow for sustainability past this grant awarding would be to keep with the approved maintenance programs per device manuals. We also would put into place a replacement plan for future device replacement that would be more fiscally responsible and more manageable for the agency. This would allow for timed replacement and overall better maintenance of the devices going forward.

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## **Organization Information**

### **1. Provide your organization's mission statement.**

The Barbour County Emergency Squad Inc is dedicated to the care, treatment and transportation of any sick, injured, wounded or otherwise incapacitated or helpless person/persons who require pre-hospital medical care under any emergency situation. Our Service is available 24 hours per day regardless of their ability to pay for services.

### **2. Describe the history of your organization, tell us about your current programs and activities**

The Barbour County Emergency Squad Inc was started in 1988 as a part volunteer and part paid service with our site in Philippi, WV. During the early days the squad ran the rescue truck as well until the rescue program was given to the Philippi Fire Department. BCES has been a non-profit agency, independent from the county and has served Babour County since 1988. The squad has grown its ability to serve the public by housing the Barbour County EMS Community Training Center and recently becoming a WV Office of Emergency Medical Services appointed Training Facility. This training facility allows the squad to provide recertification classes to Paramedics, EMTs, and EMVOs (known as an ambulance driver) in the county and all over the state. The Community Training Center houses multiple American Heart Association CPR/First Aid instructors in multiple counties. As of current the agency has 5 ALS stocked and certified ambulances (2 of which bring 4 wheel drive ability) to serve our response area and surrounding counties.

Currently our agency holds CPR/First Aid Classes for the public or anyone who requests them. We also have many on going EMS training classes and provide EMT and Paramedic students clinical times towards their completion class requirements. These students are in courses hosted by Pierpont Community and Tech College, WV Public Service Training (previously known as RESA), Shirley M. Kimble Training Center and other regional training centers.

Barbour County Emergency Squad supports and assists (through mutual aid contracts) Belington EMS, Tucker County EMS, Upshur County EMS, KAMP Central Ambulance (Preston County), Randolph County EMS, Taylor County EMS, Flemington EMS, Bridgeport Fire and EMS and Anmoore Fire and EMS. BCES also has mutual aid agreement with the Philippi Volunteer Fire Department that allows both agencies to use each others services would the need arise.

We provide EMS coverage for High School sporting events free of cost.

Our agency has also been active in the Barbour County Local Emergency Planning Committee (LEPC) and other emergency mangement functions including the county COVID response.

BCES has supported the community by working with Barbour County Office of Emergency Management, County Health Department and other agencies in the COVID battle and staffing 2 ambulances at mass vaccination clinics free of charge to the county.

Working together with Alderson Broaddus University, we provide sports coverage as needed at the request of athletic staff.

We attend and support the Barbour County Community Health Fair as requested.

Work with and support staffing of medical personnel at the Blue and Gray Reunion. We also assist during the 5k race for racers safety.

Conduct "Touch an Ambulance" days with county schools. (Been Delayed due to COVID)

### **3. Describe three significant accomplishments of your organization.**

Being awarded a perfect A grade on agency inspection thus making the agency "Superior" rated by the WV Office of Emergency Medical Services. By being rated Superior this allowed for our agency to be recertified every 4 years, which is the longest certification period allowed.

Obtaining WV Office of Emergency Medical Services accreditation for the EMS Training Center that allows for ongoing training for EMVOs, EMRs, EMTs and Paramedics. This training center also has the ability to expand into inital EMR and

EMT programs when the need would arise.

Ability to update and improve agency 4 wheel drive ability with limited resources and funding during COVID.

**4. List your Owner(s), Board of Directors, senior staff members, or other key members of your organization:**

Board of Directors:

David Runion- President

Carolyn Davis- Vice President

Linda Triplett- Secretary

Robert G. Jones- Treasurer/Agency Director

Operations/Support Staff:

Robert G. Jones- Agency Director

Dr. Cecil Holbert- Agency Medical Director

Brian E. Murphy- Agency Training Officer, HIPPA/Infectious Control Officer, Quality Improvement Officer

Kris M. Jones- Agency Billing

Shayne A. Brown, NRP- Supply and Scheduling Officer, Paramedic Shift Supervisor

David Summerfield- Agency Maintenance Officer

**5. List the staff involved with this project and describe their roles and responsibilities:**

Robert G. Jones- To oversee and approve the quotes for the project and submitting needed agency information as requested by this form. Working together with Shayne Brown to ensure that the request will meet the requirements needed to improve the clinical ability of the agency for the betterment of the patients we serve.

Shayne A. Brown, NRP- To gather information, to research the most up to date equipment, obtain quotes and fulfill the information requested to fully satisfy the needed information to submit this proposal.

Also attached to his job duties would be to assist the commission, when requested, to demo said equipment and give the commission and other needed parties the chance to see the equipment in trail usage.

Work with Stryker Medical and Rep Chris Ward to get the best quote possible and to work on trade in of current equipment to assist in the purchase in this proposal to ensure the best use of the funding request.

Attend meetings as needed and requested to do by the agency director and or the commission.

Mark Fink- To assist in the research of the equipment and gathering of quotes from Stryker Medical.

Attend meetings as requested by the Agency Director and or the County Commission.

Brian E. Murphy- To prepare and train staff on the new equipment if the request is approved.  
To work with Stryker Medical and other staff in preparations to manage new equipment.

6. Please upload/attach the following financial documents,  
if applicable:

**Cash flow statement for applicant's most recent fiscal year**

 bces2020financialreport.pdf


Uploaded by Shayne Brown on Mar 31, 2022 at 3:16 am

**Two years of audited financial statements**



Uploaded by ... on


**Current operating budget**

 bces2022budget.pdf

Uploaded by Shayne Brown on Mar 31, 2022 at 2:50 am



**If the applicant has not been audited, please include an unaudited balance sheet and income statement as prepared by the applicant**

 bces2019financialreport.pdf  
Uploaded by Shayne Brown on Mar 31, 2022 at 3:15 am

**7. List any federal, state, local or private grant awards or funding received in the last three years and the current status of those funds. If your organization has previously received funds from Barbour County Commission, please list the amount, nature of the project(s) and current status of the funding and project(s).**

See attachments

**8. If you have made an application for funding for this project from other sources (city, state, private or non-profit organizations) please list the same here.**

No

**9. Are you collaborating with any other agencies (county or non-county) on this project?**

No

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## Impact of the COVID-19 Pandemic

**1. Explain the impact of the COVID-19 pandemic and how it relates to your request.**

Greatly Increased Cost of General Operations, Rise in cost of PPE, Increased cost of durable medical supplies and equipment. COVID also put a strain on personnel and showed shortages due to employees leaving for higher paying jobs in travel EMS. COVID has also brought the fundraising of our agency to almost a complete stop. The donations have also slowed due to people not having the means to donate as they had before.

This has effected our agency with limiting of financial resources to be able to put towards capitol improvements and replacement. COVID has also put a major strain on the supply chains that has complicated the advancements of EMS agencies.

During the COVID pandemic the need for state-of-the-art cardiac and pulmonary monitoring abilities has become one of the most important needs for patient care. The advancement in technology allows for better cardiac and pulmonary care, both of which is paramount during the pandemic. Both Cardiac and Pulmonary monitoring function of the LifePak 15's will meet and exceed the needs for EMS.

COVID pandemic has also shown the greater importance in crew safety and limited multiple crew exposures. These over exposures can come from the need for lifting help due to patient weight or location in a home. That is where the power load system would greatly lesson the need for that extra man power. Also the use of extra crews to aid in CPR during a cardiac arrest. With the LUCAS 3 device it would allow one ambulance crew to be able to manage the patient effectively and thus have less potential exposure to sickness such as COVID.

**2. Provide the section of the US Treasury guidelines where your project is eligible.**

Non Profit (501 c3)

**3. If you are requesting lost revenue due to the COVID-19 pandemic, provide sufficient documentation to verify your request.**



Uploaded by ... on

**4. How will ARP funding, if awarded, aid in the recovery from the COVID-19 pandemic?**

If awarded, the APR funding would allow for much needed clinical and safety advancements for mutliple response types for the EMS system. It would cover multiple areas including clinical (Life Pak 15, LUCAS 3 ) and safety (LUCAS 3 and Power Load System). By having these upgrades in service ability it will allow for patients to have the most up to date and safe transport during their medical emergencies. All of these have been brought more into focus due to the COVID pandemic.

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Digital Signature

Digital Signature

By my digital signature below, I certify the information I provided on and in connection with this application is true and correct to the best of my knowledge.

Shayne Austin Brown  
03/24/2022

## Attachments

-  BarbourCo-ARP-Final-Quote.pdf  
Uploaded by Shayne Brown on Mar 8, 2022 at 4:35 pm
-  501c3doc.pdf  
Uploaded by Shayne Brown on Mar 31, 2022 at 2:52 am
-  BarbourCo-ARP-Final-Quote\_Tue\_Mar\_8\_2022\_16-35-50.pdf  
Uploaded by Shayne Brown on Mar 31, 2022 at 2:57 am
-  bcesreferencesarp.docx  
Uploaded by Shayne Brown on Mar 31, 2022 at 4:28 am
-  AHA COVID Guidance for BLSALS highlighted.pdf  
Uploaded by Shayne Brown on Feb 10, 2022 at 8:45 pm
-  American Rescue Plan Act - Powered System Customer Letter.pdf  
Uploaded by Shayne Brown on Feb 10, 2022 at 8:45 pm
-  American Rescue Plan Act - LUCAS Customer Letter.pdf  
Uploaded by Shayne Brown on Feb 10, 2022 at 8:46 pm
-  American Rescue Plan Act - LIFEPAK 15 Customer Letter.pdf  
Uploaded by Shayne Brown on Feb 10, 2022 at 8:46 pm
-  2021 COVID 19 Barbour co.docx  
Uploaded by Shayne Brown on Feb 10, 2022 at 8:47 pm
-  Powerloadinstallquote.pdf  
Uploaded by Shayne Brown on Mar 8, 2022 at 4:12 pm
-  countystatefeddoc.pdf  
Uploaded by Shayne Brown on Mar 31, 2022 at 2:55 am
-  bces2019financialreport.pdf  
Uploaded by Shayne Brown on Mar 31, 2022 at 3:17 am
-  bces2020financialreport.pdf  
Uploaded by Shayne Brown on Mar 31, 2022 at 3:19 am
-  bces2019report990.pdf  
Uploaded by Shayne Brown on Mar 31, 2022 at 3:59 am
-  bces2020report990.pdf  
Uploaded by Shayne Brown on Mar 31, 2022 at 4:00 am

## History

Date	Activity
Jan 22, 2022 at 10:51 pm	Shayne Brown started a draft of Record ARP-12
Feb 10, 2022 at 8:45 pm	Shayne Brown added attachment American Rescue Plan Act - Powered System Customer Letter.pdf to Record ARP-12
Feb 10, 2022 at 8:46 pm	Shayne Brown added attachment American Rescue Plan Act - LUCAS Customer Letter.pdf to Record ARP-12
Feb 10, 2022 at 8:46 pm	Shayne Brown added attachment American Rescue Plan Act - LIFEPAK 15 Customer Letter.pdf to Record ARP-12
Feb 10, 2022 at 8:47 pm	Shayne Brown added attachment 2021 COVID 19 Barbour co.docx to Record ARP-12
Mar 8, 2022 at 4:12 pm	Shayne Brown added attachment Powerloadinstallquote.pdf to Record ARP-12
Mar 31, 2022 at 2:55 am	Shayne Brown added attachment County, State and Fed Funding Status and Info to Record ARP-12
Mar 31, 2022 at 3:17 am	Shayne Brown added attachment Barbour County Emergency Squad 2019 Financial Statement to Record ARP-12
Mar 31, 2022 at 3:19 am	Shayne Brown added attachment Barbour County Emergency Squad 2020 Financial Statement to Record ARP-12

Date	Activity
Mar 31, 2022 at 3:59 am	Shayne Brown added attachment Barbour County Emergency Squad 2019 IRS Form 990 to Record ARP-12
Mar 31, 2022 at 4:00 am	Shayne Brown added attachment Barbour County Emergency Squad 2020 IRS Form 990 to Record ARP-12
Mar 31, 2022 at 4:30 am	Shayne Brown submitted Record ARP-12
Mar 31, 2022 at 4:30 am	approval step Application Review was assigned to Shana Frey on Record ARP-12

## Timeline

Label	Status	Activated	Completed	Assignee	Due Date
 Request Letter of Acknowledgement	Issued	Mar 31, 2022 at 4:30 am	Mar 31, 2022 at 4:30 am	-	-
 Application Review	Active	Mar 31, 2022 at 4:30 am	-	Shana Frey	-
 Notification 1	Inactive	-	-	-	-