Tri County Council
For Western Maryland

**APPALACHIAN REGIONAL COMMISSION
and
ECONOMIC DEVELOPMENT ADMINISTRATION**

FY 2023

Project Package

June 2022

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ARC's mission is to innovate, partner, and invest to build community capacity and strengthen economic growth in Appalachia.

The Appalachian Regional Commission (ARC) is a regional economic development agency that represents a partnership of federal, state, and local government. Established by an act of Congress in 1965, ARC is composed of the governors of the 13 Appalachian states and a federal co-chair, who is appointed by the president. Local participation is provided through multi-county local development districts. ARC invests In activities that address the five goals identified in the Commission's strategic plan:

1 Building Appalachian Businesses

Strengthen and diversify the Region's economy through inclusive economic development strategies and investments in entrepreneurship and business development.

2 Building Appalachia's Workforce Ecosystem

Expand and strengthen community systems (education, healthcare, housing Childcare, and others) that help Appalachians obtain a job, stay on the job, and advance along a financially sustaining career pathway.

3 Building Appalachia's Infrastructure

Ensure that the residents and businesses of Appalachia have access to reliable and affordable utilities and infrastructure in order to successfully live and work in the region.

4 Building Regional Culture and Tourism

Strengthen Appalachia's community and economic development potential by preserving and investing in the Region's local, cultural heritage, and natural assets.

5 Building Community Leaders and Capacity

Invest in the capacity of local leaders, organizations, and communities to address local challenges by providing technical assistance and support to access resources, engage partners, identify strategies and tactics, and conduct effective planning and project execution.

Each year ARC provides funding for several hundred investments in the Appalachian Region, in areas such as business development, education and job training, telecommunications, infrastructure, community development, housing, and transportation. These projects create thousands of new jobs; improve local water and sewer systems; increase school readiness; expand access to health care; assist local communities with strategic planning; and provide technical and managerial assistance to emerging businesses.

Area Development Projects Criteria

- Projects consistent with the 2020-2024 Maryland Strategy Statement will be given priority. Some of these projects include Technology Development, Broadband, Education, Workforce Development, Tourism, Energy, Recovery Ecosystems and Traditional Infrastructure.
- The project should be able to demonstrate measurable outcomes and/or economic impact.
- The project is consistent with the new ARC Goals and Objectives and Strategies when completing the Preliminary Project Description (PPD).
- Matching Funds for projects must be in place and committed at the time of application to ARC. Documentation of commitment must be submitted along with your Preliminary Project Description.
- References should be made to any plan and/or economic documents that show the project is part of an overall plan for stimulating economic development.

AREA DEVELOPMENT PROJECTS

	PROJECT NAME	CO	ARC	Other Federal	Local/State	Private	TOTAL
1	**Cumberland Chase Water Booster Pump**	Allegany	$400,000	$0	$400,000	$0	$800,000
2	**Garrett College IT Infrastructure Project VI**	Garrett	$50,000	$0	$50,000	$0	$100,000
3	**Hagerstown Wastewater Treatment Plant I & I**	Washington	$250,000	$0	$250,000	$0	$500,000
4	**Regional Science Center-Challenger Learning Center**	Allegany	$500,000	$0	$500,000	$0	$1,000,000
5	**Outdoor Leadership & Adventure Education Summer Apprenticeship Program**	Garrett	$7,500	$0	$7,500	$0	$15,000
6	**Boonsboro Alternate Route 40 Waterline Looping**	Washington	$200,000	$0	$1,000,000	$0	$1,200,000
7	**Workforce Training Theatre Enhancement**	Allegany	$150,000	$0	$150,000	$0	$300,000
8	**GCAC Community-Wide Engagement and Feasibility Study to Support $MART ART Program Development/Business Model/Plan**	Garrett	$30,000	$0	$30,000	$0	$60,000
9	**Hagerstown Health HUB**	Washington	$100,000	$0	$0	$100,000	$200,000

	PROJECT NAME	CO	ARC	Other Federal	Local/State	Private	TOTAL
10	**STEM Camp – Allegany and Garrett Students**	**Allegany**	**$13,000**	**$0**	**$0**	**$13,000**	**$26,000**
11	**Kitzmiller Economic Development Strategy & Plan**	**Garrett**	**$15,000**	**$0**	**$15,000**	**$0**	**$30,000**
12	**Brook Lane TMS Program**	**Washington**	**$93,000**	**$0**	**$0**	**$93,000**	**$186,000**
13	**Robotics Program Class Packs**	**Allegany**	**$15,000**	**$0**	**$0**	**$15,000**	**$30,000**
14	**Business Park-Stormwater Management**	**Garrett**	**$150,000**	**$0**	**$150,000**	**$0**	**$300,000**
15	**"Rebooting" the Museum School**	**Washington**	**$26,325**	**$0**	**$0**	**$26,325**	**$52,650**
16	**Robotics Kits and Esports**	**Allegany**	**$60,000**	**$0**	**$60,000**	**$0**	**$120,000**
17	**Recovery Housing**	**Garrett**	**$480,000**	**$0**	**$480,000**	**$0**	**$960,000**
18	**Upgrade Hagerstown WW Pump Station 13**	**Washington**	**$530,000**	**$0**	**$3,270,000**	**$0**	**$3,800,000**
19	**Data Network Upgrade Initiative**	**Allegany**	**$50,000**	**$0**	**$50,000**	**$0**	**$100,000**
20	**Wisp Mountain Water Storage Tank**	**Garrett**	**$470,000**	**$0**	**$1,530,000**	**$0**	**$2,000,000**
21	Hydraulic Model of Hagerstown WW Sewer Shed	Washington	$110,000	$0	$110,000	$0	$220,000

	PROJECT NAME	CO	ARC	Other Federal	Local/State	Private	TOTAL
22	Mountain Maryland Traditional Arts Education Program and Exhibits	Allegany	$87,000	$0	$64,000	$64,500	$215,500
23	Willson Water Treatment Plant Piping & Valve Update	Washington	$1,000,000	$0	$4,000,000	$0	$5,000,000
24	Elevator Repair and Window Replacement at Humpty Dumpty	Allegany	$72,500	$0	$0	$72,500	$145,000
25	Virtual Anatomy Lab	Washington	$200,000	$0	$0	$200,000	$400,000
26	Enhancing Virtual Workforce Education in Appalachian Maryland	Allegany	$55,000	$0	$0	$55,000	$110,000
27	Rehabilitation of Miller Lumber and Cline House	Washington	$450,000	$0	$450,000	$900,000	$1,800,000
28	Purchase of an NMR Spectrometer	Allegany	$87,500	$0	$0	$87,500	$175,000
29	R. Paul Smith Boulevard Extension	Washington	$750,000	$0	$750,000	$0	$1,500,000
30	Training Development for SUD	Allegany	$50,000	$0	$0	$50,000	$100,000
31	Antietam Street Parking Deck	Washington	$1,000,000	$0	$8,000,000	$0	$9,000,000
32	Western Maryland Regional Export Initiative-Certifications and Conference	Allegany	$5,000	$0	$0	$5,000	$10,000

	PROJECT NAME	CO	ARC	Other Federal	Local/State	Private	TOTAL
33	Center for Product Design and Advanced Manufacturing Operating Budget	Allegany	$50,000	$0	$0	$50,000	$100,000
	Total		**$7,506,825**	**$0**	**$21,316,500**	**$1,731,825**	**$30,555,150**

PRELIMINARY

PROJECT

DESCRIPTIONS

Preliminary Project Description

Project Name: Cumberland Chase Water Booster Pump

Applicant: Allegany County   **County:** Allegany

Contact: David Nedved   **Phone:** 301-876-9513

                                                          Email: dnedved@alleganygov.org

Project Description:

The Cumberland Chase water booster pump project will increase water pressure so that water service can be provided to any structures above 950 in sea level elevation for hundreds of acres of land along US Route 220 in Allegany County. The development uses an existing SHA entrance off of Route 220 South and the access road is named Laurelhurst Boulevard. The development plans construction of new multifamily apartments and\or townhouse units, single family dwellings, commercial businesses, a surgery center and a possible nursing care/assisted living campus. The area has several business committed to locate once the access road and utilities are completed. The new businesses will compliment the residential development on adjacent lands. The commercial development will include retail and office space. Construction costs are estimated to be $3 million for commercial development, $3 million for the surgery center and $16.7 million for the nursing home. An IMPLAN economic impact study estimated 34 full time jobs from the commercial development, 26 from the surgery center, and 200 from the nursing home.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 3: Building Appalachia's Infrastructure – Ensure that the residents and businesses of Appalachia have access to reliable, affordable, resilient, and energy efficient utilities and infrastructure in order to successfully live and work in the Region.

State Objective 3.1: Develop and support basic infrastructure and facilities needed to support community and economic development.

State Strategy: 3.1.1: Develop and improve water systems to ensure that residents and businesses have clean water.

Proposed Basic Agency *(Construction Projects Only):*

Proposed Funding Sources and Amounts:

Allegany County	$400,000
ARC	<u>$400,000</u>
Total Cost	$800,000

Preliminary Project Description

Project Name: Garrett College IT Infrastructure Project VI
Applicant: Garrett College   **County:** Garrett
Contact: Kearstin Hinebaugh   **Phone:** 301-387-3131
                                                                  Email:
                                                                  Kearstin.hinebaugh@garrettcollege.edu

Project Description:
In FY23, Garrett College is requesting a $50,000 ARC match to support the following IT infrastructure needs:
1. Student Desktop Computers – $44,000
Replace 40 student desktop computers in the College's Learning Commons. These machines would upgrade aged devices with integrated technology that is crucial for the hybrid instructional model.
2. Student Desktop Computers – $22,000
Replace 20 student desktop computers in the college's developmental math lab. These machines would upgrade aged devices with integrated technology that is crucial for the hybrid instructional model. These machines would also accommodate the new Respondus monitoring system for test proctoring and come integrated with the wireless connectivity necessary in this specific instructional room.
3. Student Desktop Computers – $11,000
Replace 10 student desktop computers in the College's Advising Center. These machines would upgrade aged devices with integrated technology that is crucial for the Respondus monitoring system for test proctoring.
4. WiFi Expansion in the College's Gym – $12,000
The current system is running on old, unsupported technology controllers that are isolated from the majority of the Garrett College locations. This upgrade would allow the college to work toward decommissioning the historical system and integrating into the new cloud-based controller. This upgrade will also provide the opportunity to resolve signal broadcasting issues and allow more simultaneous connections.
5. WiFi Expansion in the College's CARC – $11,000
Supports streaming for students and community members while allowing integration into our cloud-based controller.

ARC Goals to Be Addressed, Objectives, and Strategy:
ARC Investment Goal 3: Building Appalachia's Infrastructure – Ensure that the residents and businesses of Appalachia have access to reliable, affordable, resilient, and energy efficient utilities and infrastructure in order to successfully live and work in the Region.
State Objective 3.2: Continue the development of a modern communications network.
State Strategy 3.2.2: Develop, support, and maintain infrastructure for broadband and digital communications.
Proposed Basic Agency *(Construction Projects Only):*
Proposed Funding Sources:

Garrett College	$ 50,000
ARC	$ 50,000
TOTAL	$ 100,000

Preliminary Project Description

Project Name: Hagerstown Wastewater Treatment Plant I & I
Applicant: City of Hagerstown   **County:** Washington
Contact: Megan Flick, Nancy Hausrath   **Phone:** 301-739-8577 ext. 137
                                                                              Email:
                                                                              mflick@hagerstownmd.org

Project Description:

Line 22 wastewater laterals on Northern Avenue. Frees up capacity at HWWTP to serve new growth and economic development in Antietam Basin. Consistent with 2018 Comp Plan. Part of cleaning up of boundaries of City-County 2022 Joint Sewer Service Area Agreement.

ARC Goals to Be Addressed, Objectives, and Strategy
ARC Investment Goal 1: Building Appalachian Businesses – Strengthen and diversify the Region's economy through inclusive economic development strategies and investments in entrepreneurship and business development.
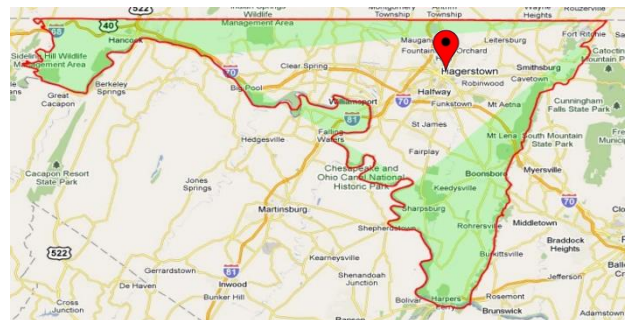**State Objective 1.3:** Support reinvestment in existing communities throughout the region.
State Strategy 1.3.2: Provide the necessary infrastructure for revitalization and reinvestment.
Proposed Basic Agency *(Construction Projects Only):* DHCD
Proposed Funding Sources:

City of Hagerstown	$250,000
ARC	$250,000
Total Cost	$500,000

Preliminary Project Description

Project Name: FSU Regional Science Center
Applicant: Frostburg State University
Contact: Amy Hutcherson

County: Allegany
Phone: 301-697-6218
Email: alhutcherson@frostburg.edu

Project Description:

FSU requests funds to establish a Challenger Learning Center(CLC) within the university's new Regional Science Center(RSC). Slated to open in 2023 in the heart of Frostburg's Main Street community, RSC is envisioned as a regional STEM-focused hub. RSC's centerpiece, the Challenger Learning Center, will be part of a network of over 40 international educational centers founded by family members of the Space Shuttle Challenger crew. FSU's CLC, like those around the world, will provide immersive space-themed educational experiences and raise awareness of STEM-related careers.

Middle school visitors will take part in immersive NASA-approved Missions –real-world scenarios created via computer-driven simulations and hands-on activities taking place in a custom-built Mission Control and Space Station. Guided by a trained crew of Flight Directors, students will work as a team, role-play and apply critical STEM concepts to answer questions and solve problems; activities are informed by real science data and aligned to national education standards. Pre- and post-mission classroom lessons will be available. CLC Classroom Adventures, designed for grades 3-5, will bring simulations directly into schools. Led by teachers, these digital experiences feature realistic visuals, videos and interactives to drive student collaboration in topics of earth, life and physical science. All CLC programs increase student STEM engagement, self-efficacy, career awareness and 21st century skills of critical thinking, communication and collaboration. RSC will provide additional K-12 STEM-based experiences and outreach via workshops, summer camps, in-school programs and drop-in activities. An anticipated 5000 students will benefit annually from RSC programs. Community members and visitors of all ages will be able to "drop in" to the RSC for enriching hands-on STEM activities. An exhibition of artifacts from astronaut Ricky Arnold, FSU alumnus, will inspire the community and support tourism. The Center will also provide opportunities for public team-building and professional development retreats.

Regular visits from K-12 students directly benefit the region by providing invaluable STEM experiences to a young, often disadvantaged population. The center will serve as a gateway to higher education for local youth, who may ultimately decide to pursue degrees in STEM-related fields. Long-term benefits include an improvement to the future regional workforce via increased exposure to STEM education, leading to impactful, measurable economic development. RSC's downtown location will enhance tourism and provide residents with pride of place.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 2: Building Appalachia's Workforce Ecosystem – Expand and strengthen community systems (education, healthcare, housing, childcare, and others) that help Appalachians obtain a job, stay on the job, and advance along a financially sustaining career pathway.

State Objective 2.1: Support and promote educational programs that will prepare students for jobs in the 21st century.

State Strategy 2.1.1: Expand and support the P-Tech model and K-12 STEM, and active learning labs in preparing students for 21st century jobs.

Proposed Basic Agency *(Construction Projects Only):*

Proposed Funding Sources:

Frostburg State University	$ 500,000
ARC	$ 500,000
Total Cost	$1,000,000

Preliminary Project Description

Project Name: Outdoor Leadership & Adventure Education Summer Apprenticeship Program

Applicant: Garrett College	**County:** Garrett
Contact: Kearstin Hinebaugh	**Phone:** 301-387-3131
	Email: Kearstin.hinebaugh@garrettcollege.edu

Project Description:

The AEC Business Plan for 2022-23 has a component that addresses applying for ARC funding sources aligned with ARC State Strategy 2.1.2: Work with local employers to create and expand apprenticeships and other school to work transition programs, and ARC State Strategy 2.2.2: Work with local employers to create and expand apprenticeship programs.

The goal for the AEC is to become an employment site for summer and winter apprenticeship programs where local youth and young adults will gain valuable work skills in the outdoor industry field. This will be accomplished through a partnership with Western Maryland Consortium who will coordinate implementation of the apprenticeship programs. Western Maryland Consortium offers an on-the -job training program and a summer youth program that help fund programs with employers to cover the cost of apprenticeship programs. The AEC will develop a summer youth employment program with Western Maryland Consortium to offer mountain bike mechanics program to service summer bike programs. This opportunity will provide retail shop experience with equipment management program and summer bike-climbing camps experience. Whereas the winter program will focus on ski tuning and other winter-based equipment management programs. ARC funding will help cover the cost of training programs, start-up supplies-equipment, management time for development of the programs, uniforms, start-up program supplies, and possibly transportation cost with program implementation.

Initial cost estimates are as follows:
• Professional bike mechanic and ski tuning gear maintenance training - $3,000
• Bike mechanics equipment-tool kits, tools and ski tuning equipment - $3,000
• Start-up supplies bike mechanic-winter equipment, uniforms, supplies - $1,000
• Retail shop renovations - $5,000
• Retail shop POS sales inventory system - $3,000
Total Startup cost - $15,000

ARC Goals to Be Addressed, Objectives, and Strategy:

ARC Investment Goal 2: Building Appalachia's Workforce Ecosystem – Expand and strengthen community systems (education, healthcare, housing, childcare and others) that help Appalachians obtain a job, stay on the job, and advance along a financially sustaining career pathway.

**State Objective 2.1:** Support and promote educational programs that will prepare students for jobs in the 21st century.

State Strategy 2.1.2: Work with local employers to create and expand apprenticeships and other school to work transition programs.

Proposed Basic Agency *(Construction Projects Only):*

Proposed Funding Sources:

Garrett College	$ 7,500
ARC	$ 7,500
TOTAL	$ 15,000
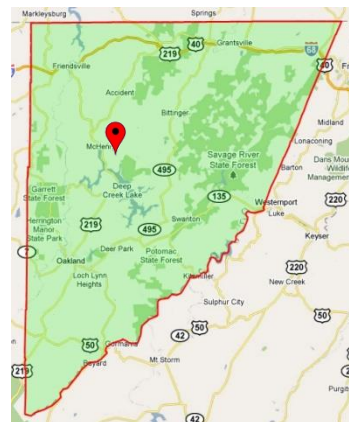
Preliminary Project Description

Project Name: Boonsboro Alternate Route 40 Waterline Looping

Applicant: Town of Boonsboro   **County:** Washington

Contact: Paul Mantello, Town Manager   **Phone:** 301-432-7600

Email: townmanager@townofboonsboro.com

Project Description:

In the early 2000's, the Maryland Department of the Environment (MDE) and the WC Health Department (WCHD) determined that several drinking water wells, for residences and business along Alternate Route 40, just north of Town Limits, had been contaminated by local livestock. Cow manure had infiltrated sinkholes, caverns, and cracks in the local karst geology. Adjacent residential and commercial wells are hydraulically connected to the contaminated sinkholes and/or streams. These connections do not provide a "treatment zone" to remove pathogens and in-home filtration/treatment is also ineffective.

In 2009, to resolve the contimination issue and ensure safe drinking water for all local residents, the Town worked with MDE and the WCHD to extend water service, beyond town limits, to all the affected Washington County Residents along Alt. Route 40. With significant MDE grant funding, the Town installed 7,600 linear feet of new water main, to over-100-out-of-town customers. Unfortunately, the installed main dead-ends and there is no return line back into the Town's distribution system. With only 100 customers on a long non-looping water line, treated water in the main sits, static, and free chlorine eventually dissipates to zero or levels too low to provide proper disinfection.

To counteract the loss of free chlorine and ensure perpetually-safe drinking water, the Town "flushes" the water main, daily, to remove the "old water" and replace it with more recently-treated water. Annually, the Town flushes over 1 million gallons of treated water, to maintain acceptable chlorine levels. When considered together with the Town's longstanding water loss, the inefficient practice of flushing treated water is glaring and unsustainable. The Town loses 40 million gallons of treated water, annually; the equivalent annual usage of about 450 households. The detriment to future growth and the water system's capacity, and the estimated $250,000 in lost revenue, year after year, makes correcting "non-revenue water" a top priority for Boonsboro. We're confident most of water loss will be resolved with the replacement of the Town's 1954 reservoir; a project now in the design phase. To correct non-revenue water caused by flushing, we plan to loop the Alt. route 40 Water Line back into the distribution system and create the circulation needed to prevent stagnancy and loss of free chlorine. The estimated cost of the project is $1.2 million. We are requesting a 50% ARC Match, to complete this project.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 3: Critical Infrastructure – Invest in critical infrastructure – especially broadband; transportation, including the Appalachian Development Highway System; and water/wastewater systems.

State Objective 3.1: Develop and support basic infrastructure and facilities needed to support community and economic development.

State Strategy 3.1.1: Develop and improve water systems to ensure that residents and businesses have clean water.

Proposed Basic Agency: MD DHCD

Proposed Funding Sources:

Town of Boonsboro	$ 600,000
ARC	$ 600,000
Total Cost	$1,200,000

Preliminary Project Description

Project Name: Allegany College of Maryland Workforce Training Theatre Enhancement Project
Applicant: Allegany College of Maryland   **County:** Allegany
Contact: David Jones   **Phone:** 301-784-5200
                                                      Email: djones@allegany.edu

Project Description:

A variety of large-scale workforce development, community, economic development, and community events are held at the Allegany College of Maryland theatre. This facility is a critical part of the fabric of Allegany County as well as the Western Maryland region and an important location for workforce development to meet the needs of our community. For example, during the last reporting period available, the workforce training theatre experienced significant usage, as documented below (represents two years of training/usage):

Community Use- 57 days/114 hours
Continuing Education/Workforce Development Use- 119 days/ 290 hours
Credit Program Use- 91 days/375 hours
Other Community Use- 86 days/369 hours
Total Days/Hours of Usage- 353 days/1,148 hours

In addition to the community usage, this project will directly benefit the College's Multimedia Technology program. The program offers a variety of courses in Video, Audio, Graphics and Digital Photography. Allegany College of Maryland provides practical experience within the Multimedia Technology Department, which includes: a television studio, a multimedia classroom, Mac computer lab, an audio production area, an independent student laboratory, and a graphics production area. The need for hands-on experience is critical in multimedia technology. The items requested will provide for economic development, community services, and the required hands-on experience to be prepared for the changing workplace.

As part of an internal review, as well as a Loss Control Survey, the theatre lighting and rigging have not been updated since it was established in the early 1970s. Renovations to ensure electronic efficiency, comfort, and aesthetics, as well as ongoing safety are needed to continue to meet the needs of this community resource. Without these renovations, the theatre will no longer be able to be used for workforce development and other training purposes. Over $1 million has already been raised to complete this project, and it is now more pertinent than ever to complete the renovation of the community space.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 2: Building Appalachia's Workforce Ecosystem – Expand and strengthen community systems (education, healthcare, housing, childcare, and others) that help Appalachians obtain a job, stay on the job, and advance along a financially sustaining career pathway.
State Objective 2.2: Expand partnerships among local schools, colleges, and businesses to support workforce development and improve workforce readiness.
State Strategy 2.2.1: Provide continuing education training in advanced skills for workers in the region.
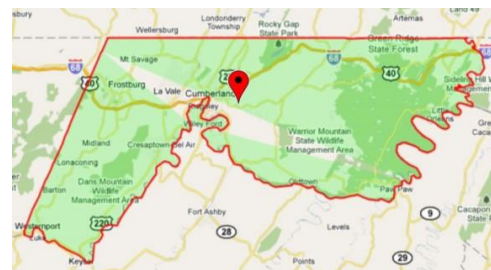**Proposed Basic Agency** *(Construction Projects Only):*
Proposed Funding Sources:

Allegany College of Maryland	$150,000
ARC	$150,000
Total Cost	$300,000

Preliminary Project Description

Project Name: GCAC Community-Wide Engagement and Feasibility Study to Support $MART ART

Applicant: Garrett County Arts Council (GCAC)   **County:** Garrett

Contact: Kathy Beachler   **Phone:** 301-334-6580

Email: kathy@garrettarts.org

Project Description:

In response to COVID-19, GCAC developed the $MART ART: Shared Workspace and Classroom, 2 renovated ADA-accessible community workspaces with a variety of digital/traditional tools/processes/programs and services assisting rural arts entrepreneurs to flourish in the global digital economy after restrictions caused in-person events to be transformed into robust virtual marketplaces and performances engaging our existing/new constituents. Based on ongoing evaluations and surveys, GCAC's successful $MART ART incubator/maker spaces have multiuser capacity: exhibition/performance space; studio rental/maker space; and educational classroom/workspace. ARC funding for a community-driven data collection/program evaluation/feasibility study allows GCAC creation of a business implementation/marketing plan supporting continued development of the county's strategic goals for creative economic development and infrastructure investment in community and business facilities to facilitate sustainable growth and enhance our county's arts, heritage and tourism capacity. FUNDING GOALS: Engage experts to investigate case studies/best practices from rural communities in successful creative economic development; Identify/engage new/existing cross-sector local and regional partners; Conduct professionally facilitated, community-wide inclusive/equitable planning and development with meaningful survey questions; Design a GC community-driven arts and cultural map (historic, cultural facilities, public space and artworks); Evaluate existing GCAC programs/spaces to identify necessary reconfiguration, allowing GCAC to explore ownership potential or long-term leasing in targeted Arts & Entertainment/Main Street designations creating vibrant revitalization art hubs with retail, studio and classroom spaces; Evaluate financial data, identifying funding streams, potential investors, and earned income opportunities within spaces and programs offered; Identify legal/tax obligations; Develop business implementation/marketing plan with timeline based on replicable Appalachian community models; and Create/strengthen economic opportunities to revitalize downtown A&E District/Main Street areas with a GCAC-sponsored workspace for business assistance/entrepreneurial development and training, a production and retail center for arts/crafts/food products assisting in marketing, promotions, and merchandising.

ARC Goals to Be Addressed, Objectives, and Strategy:

ARC Investment Goal 4: Building Regional Culture and Tourism – Strengthen Appalachia's community and economic development potential by preserving and investing in the Region's local, cultural heritage, and natural assets.

State Objective 4.1: Increase employment and sales in the travel and heritage tourism industry, particularly in the areas of outdoor recreation, convention attractions, and historic interest.

State Strategy 4.1.2: Support the development of heritage tourism products linked to state and national byway and heritage area efforts

Proposed Basic Agency *(Construction Projects Only):*

Proposed Funding Sources:

ARC	$ 30,000
GCAC/State	$ 30,000
TOTAL	$ 60,000
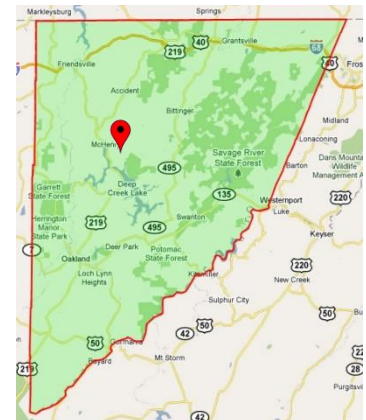
Preliminary Project Description

Project Name: Hagerstown Health HUB
Applicant: Hagerstown Goodwill Industries   **County:** Washington
Contact: Sharon Ahrens   **Phone:** 301-733-7330
                                                        Email: sahrens@goodwill-hgi.org

Project Description:

The Health HUB is a partnership between Meritus Medical Center, Maryland Area Health Education Center West, and Hagerstown Goodwill Industries (HGI) to bring access to primary care, health education, and wrap around services to residents of Washington County with a focus on the core City of Hagerstown.

The City has approximately 40,000 residents, more than 25% of whom live at or below the poverty line and 8% are uninsured. These income disparities greatly impact the overall health of our community. As a Workforce Development agency, HGI's mission is simply "Removing Barriers; Creating Opportunities." In working with community members we have identified the following barriers to success for individuals we serve: lack of stable/affordable housing, lack of employment/income, lack of reliable transportation, lack of access to mental health and/or substance abuse treatment, and lack of regular somatic healthcare.

To address those barriers, HGI has partnered with the agencies listed above to establish a Health Hub: a primary care office that will house a Certified Nurse Practitioner, Licensed Clinical Social Worker, Community Health Worker, Care Coordinator, Health Insurance Navigator. The Health Hub will be co-located in the building that houses Hagerstown Goodwill's case management, housing, financial education, and workforce development services, therefore providing a continuum of care to patients.

Hagerstown Goodwill Industries is requesting $100,000 to retrofit central HVAC in its building at 200 N. Prospect St, Hagerstown MD where the HUB will be located. Currently the main floor of the building is heated by a steam boiler system which is outdated, inefficient, and has outlived its useful life. There is currently no air conditioning in the building at all. HVAC is an essential component of a safe and comfortable location for both employees and community members who will be served there.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 2: Building Appalachia's Workforce Ecosystem – Expand and strengthen community systems (education, healthcare, housing, childcare, and others) that help Appalachians obtain a job, stay on the job, and advance along a financially sustaining career pathway.
State Objective 2.4: Provide support for a strong, accessible health network.
State Strategy 2.4.2: Increase access to healthcare.
Proposed Basic Agency *(Construction Projects Only):*
Proposed Funding Sources:

Horizon Goodwill Industries $100,000
ARC $100,000
Total Cost $200,000
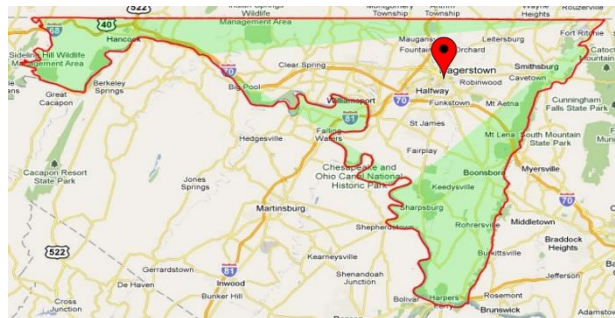
<h1 align="center">Preliminary Project Description</h1>

Project Name: 2023 FSU STEM Camp
Applicant: Frostburg State University   **County:** Allegany
Contact: Dr. Keith Terry   **Phone:** 301-687-7020
      Email: keterry@frostburg.edu

Project Description:

    The purpose of the 2023 FSU STEM Camp is to attract talented high school students from Allegany and Garrett counties to the Frostburg State University campus to engage in four days of STEM instruction and problem solving with the intention of: (1) reinforcing and expanding their knowledge in STEM fields; (2) stimulating their interest in a STEM career by introducing them to professionals and entrepreneurs in a variety of science-related areas; (3) expanding outreach and engagement with STEM coordinators and teachers, as well as counselors, principals and others in the region; and (4) making these students and their parents aware of the STEM opportunities available at FSU.

    Twenty freshmen, sophomores and juniors invited from Allegany and Garrett counties will interact with FSU faculty members, GAs and TAs from STEM departments on campus during a four-day camp. The learning activities will be focused on addressing a central question/issue that can be analyzed and addressed using concepts and techniques from units such as Biology, Mathematics, Physics, Engineering, Chemistry, Geography and Computer Science. Students will be provided instruction from different STEM fields and how each might investigate the research question. Each day, teams of STEM campers will have time to discuss what they have learned and engage in group discussion, analysis and experimentation in laboratories with their peers and mentors. On the final day, STEM teams will present their solutions or findings to camp planners and others.

    The campers will also have the opportunity to meet working professionals through meal time or evening panel discussions, presentations, interviews or conversations. STEM notables from the area will be invited to pitch internships and opportunities, talk about career paths in the field, provide insight into future STEM developments, observe and comment on the campers' final presentations, or even lead tours of their facilities. This arrangement serves as a venue for STEM leaders looking to recruit young talent for their organizations and it allows students to meet and make connections with important executives in the region. The boon of this annual investment of mentoring and instruction at Frostburg State University STEM camps is that a "pipeline" of interns, apprentices, employees, partners and officers will be developed for STEM companies and industries in the region.

    Five measurable objectives have been articulated that encompass the various educational and informational aspects of the 2023 FSU STEM Camp.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 2: Building Appalachia's Workforce Ecosystem – Expand and strengthen community systems (education, healthcare, housing, childcare, and others) that help Appalachians obtain a job, stay on the job, and advance along a financially sustaining career pathway.

State Objective 2.1: Support and promote educational programs that will prepare students for jobs in the 21st century.

State Strategy 2.1.1: Expand and support the P-Tech model and K-12 STEM, and active learning labs in preparing students for 21st century jobs.

Proposed Basic Agency *(Construction Projects Only):*

Proposed Funding Sources:

FSU Foundation Opportunity Grant	$ 4,800
Northrop Grumman	$ 6,200
Berry Global	$ 2,000
ARC	$13,000
Total Cost	$26,000

Preliminary Project Description

Project Name: Kitzmiller Economic Development Strategy & Plan
Applicant: Town of Kitzmiller   **County:** Garrett
Contact: Rebecca Glotfelty, Town Clerk/Treasurer   **Phone:** 301-453-3449
                                                                                   Email: kitzmd@shentel.net

Project Description:
The Town of Kitzmiller is seeking funding to create an economic development strategy and plan to guide the Town's economic development into the future. Funding will be utilized to procure the services of a consultant to perform a comprehensive study of the Town's commercial, recreational and historical assets, and to develop strategies and a plan for implementation to enhance those assets and revitalize the Town's business district.

ARC Goals to Be Addressed, Objectives, and Strategy:
ARC Investment Goal 1: Building Appalachian Businesses – Strengthen and diversify the Region's economy through inclusive economic development strategies and investments in entrepreneurship and business development.
State Objective 1.2: Prepare for the economic development of the next century and attract new businesses.
State Strategy 1.2.4: Provide technical assistance and support development of plans and studies.
Proposed Basic Agency *(Construction Projects Only):*
Proposed Funding Sources:

Town of Kitzmiller	$ 15,000
ARC	$ 15,000
TOTAL	$ 30,000

Preliminary Project Description

Project Name: Brook Lane TMS Program
Applicant: Brook Lane Health Services, Inc.
Contact: Chris Boryan

County: Washington
Phone: 301-733-0331 ext 1721
Email:
chris.boryan@brooklane.org

Project Description:

Brook Lane is a comprehensive provider of mental health services located in Washington County, Maryland. In addition to outpatient therapy clinics and schools for children with special needs, Brook Lane offers inpatient care in its 57 bed psychiatric hospital located in a rural setting just outside of Hagerstown, Maryland. Also, Brook Lane offers Substance Use Treatment programs and a Partial Hospitalization program that is a step down from inpatient treatment. Brook Lane is a leader in mental health in the region and strives to stay at the forefront of advances in treatment to provide the highest level of care to patients.

One new advance in treatment is Transcranial Magnetic Stimulation (TMS). TMS is a noninvasive procedure for the treatment of major depression, utilized when a patient does not respond to medication and psychotherapy. This new advance allows for the patient to be awake for the procedure. Unlike Electroconvulsive Therapy (ECT), patients undergoing TMS treatments do not need to be placed under general anesthesia.

Typically offered in more urban settings, this advanced treatment will be a benefit to those residents of Western Maryland who suffer from depression. Given the non-invasive nature of the procedure, patients can go back to work following the procedure. This treatment option can be useful in preventing potential admission into a psychiatric inpatient facility due to severe depression. Additionally, it will help patients reach their mental health wellness goals.

Brook Lane is seeking funding to purchase the device necessary to conduct the TMS treatment. The device costs $186,000. Brook Lane will be providing the 50% match with ARC funds. The program will be up and running by the time grant funding is announced in the spring of 2023. ARC funds would help expand the program by allowing more patients to realize the benefits of TMS treatment.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 2: Building Appalachia's Workforce Ecosystem – Expand and strengthen community systems (education, healthcare, housing, childcare, and others) that help Appalachians obtain a job, stay on the job, and advance along a financially sustaining career pathway.
State Objective 2.4: Provide support for a strong, accessible health network.
State Strategy 2.4.3: Support projects for healthcare prevention and wellness.
Proposed Basic Agency *(Construction Projects Only):*
Proposed Funding Sources:

Brook Lane Health Services	$ 93,000
ARC	$ 93,000
Total Cost	$186,000
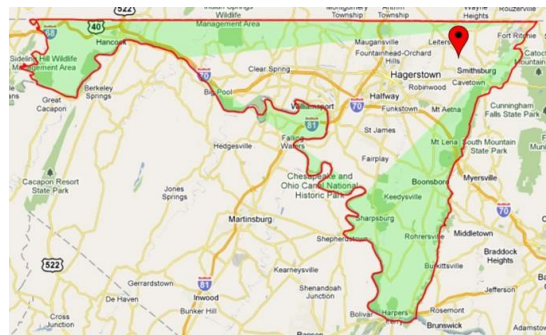
Preliminary Project Description

Project Name: Bishop Walsh Robotics Program
Applicant: Bishop Walsh School   **County:** Allegany
Contact: Jennifer Flinn   **Phone:** 301-724-5360 ext 110
                                                         Email: jflinn@bishopwalsh.org

Project Description:
Bishop Walsh School would like to expand our STEM initiatives to include a robust robotics program. This project would expand and support our current STEM programs and further prepare our students for future job opportunities. The goal of this project is to increase students' motivation to excel in math and science and better prepare them for careers in engineering, medicine, computer science, education, and many more through hands-on learning experiences building and programming robots.

Bishop Walsh School would like more opportunities for our students to learn marketable 21st-century skills. Utilizing robotics, students can actively participate in hands-on learning using the latest technology. The learning would not be limited to classroom experiences but would also include workshops and competitions. Robotics is a field that is easily accessible to a wide range of students with varying talents and skills. A robotics program would provide hands-on programming instruction. It would also encourage creative thinking and problem-solving skills. In addition, a robotics program would be a marketing and enrollment tool for the school.

For our robotics program, the students would learn using the First Lego League and First Tech League systems. These systems offer the most complete solution with ready-made curriculum units, software, and professional development. There are different versions of the systems for different grade levels, enabling the school to offer robotics instruction for all of our students in grades PreK through 12. Class packs for each level would cost approximately $15,000 total. Professional development for the teachers would cost approximately $5,000. Other technology and materials will be necessary for multiple students to work simultaneously. Examples of this include additional robotics tables, presentation stations, and programming computers. The cost of these additional items would be about $10,000. The total cost of the project would be $30,000.

ARC Goals to Be Addressed, Objectives, and Strategy
ARC Investment Goal 2: Building Appalachia's Workforce Ecosystem – Expand and strengthen community systems (education, healthcare, housing, childcare, and others) that help Appalachians obtain a job, stay on the job, and advance along a financially sustaining career pathway.
**State Objective 2.1:** Support and promote educational programs that will prepare students for jobs in the 21st century.
State Strategy 2.1.1: Expand and support the P-Tech model and K-12 STEM, and active learning labs in preparing students for 21st century jobs.
Proposed Basic Agency *(Construction Projects Only):*
Proposed Funding Sources and Amounts:

Bishop Walsh School	$15,000
ARC	$15,000
Total Cost	$30,000

<h1 style="text-align:center">Preliminary Project Description</h1>

Project Name: Garrett County – Stormwater Management – Business Parks
Applicant: Garrett County   **County:** Garrett
Contact: Kevin Null   **Phone:** 301-334-8976
                                                                    Email: knull@garrettcounty.org

Project Description:
The long-term inspection and maintenance of a stormwater management system (SWM) is as critical to its performance as its design and construction. Proper operation and maintenance ensures that the stormwater best management practice (BMP) will continue to remove pollutants effectively over the long-term and improving water quality. Without proper maintenance, BMPs are likely to fail and not provide the necessary stormwater treatment.

Incorporating stormwater retrofits into existing developed sites or into redevelopment projects can reduce the adverse impacts of uncontrolled stormwater runoff. This can be accomplished through reduction in unnecessary impervious cover, incorporation of small-scale Low Impact Development (LID) management practices, and construction of new or improved structural stormwater treatment practices. One of the primary benefits of stormwater retrofits is the opportunity to combine stormwater quantity and quality controls. Stormwater retrofits can also remedy local nuisance conditions and maintenance problems in older areas, and improve the appearance of existing facilities through landscape amenities and additional vegetation.

The benefit of providing a comprehensive SWM system are the improvements to the infrastructure will make the entry cost of construction more affordable for new business development, the properties will be more marketable, and it ensure the County continues to meet environmental rules and requirements.

ARC Goals to Be Addressed, Objectives, and Strategy:
ARC Investment Goal 1: Building Appalachian Businesses – Strengthen and diversify the Region's economy through inclusive economic development strategies and investments in entrepreneurship and business development.
State Objective 3.1: Develop and support basic infrastructure and facilities needed to support community and economic development.
State Strategy 3.2.2: Develop, support, and maintain infrastructure for broadband and digital communications.
Proposed Basic Agency *(Construction Projects Only):*
Proposed Funding Sources:

ARC	$ 150,000
Garrett County	$ 150,000
TOTAL	$ 300,000
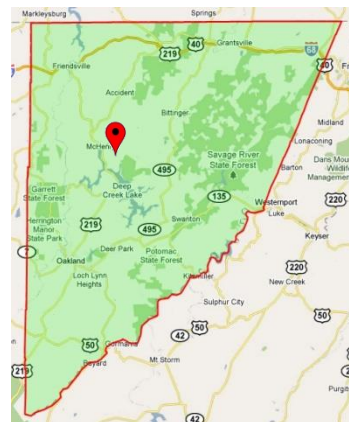
Preliminary Project Description

Project Name: "Rebooting" the Museum School
Applicant: Washington County Museum of Fine Arts   **County:** Washington
Contact: Sarah Hall   **Phone:** 301-739-5727
                                                                                              Email: sjhall@wcmfa.org

Project Description:
The Washington County Museum of Fine Arts (MFA) requests $26,325 to support recovery from the pandemic, and "reboot" both in-person and outreach educational programs, creating a stronger, more inclusive program while maintaining our growing virtual capacity. The MFA's beloved art school has been connecting local youth with the museum experience since 1933.

MFA has developed a long range curriculum, heavily focused on outreach, to develop new audiences and reach underserved populations while developing new partnerships, and expanding our teaching staff, with an emphasis on diversity and community representation. ARC funding will support operational costs related to programs serving rural communities in Washington, Allegany, and Garrett counties. Funding will support education and teaching salaries, curriculum development, supplies, and program promotion, supporting the museum as it redevelops its museum school and prioritizes rural outreach, while promoting the formation of numerous regional partnerships to support youth education. These collaborations will build capacity for all partner organizations. Additionally, this program benefits the development of future leaders and workforce, as research has proven that art education enhances academic performance in all areas, fostering the creative, innovative workforce of tomorrow. Inclusivity and community service has long been a goal of our programming – our "reboot" will emphasize these values through workshops, classes, and experiences reaching students of all ages in their own communities. The museum also plans to build a more inclusive teaching staff through outreach to varied communities and collaborations with other regional nonprofits. With a diverse roster of art educators and teaching artists and the development of new classes and programs, MFA also seeks to provide income/employment to the regional creative community. MFA will partner with youth serving organizations, schools, preschool and afterschool centers, and senior communities. Recognizing the contributions that the arts can make to wellness in general, the varied curriculum will include child bonding programs, classes for seniors and life-long learners, as well as K-12, including STEM connections built around the museum's collection. Periodic visits to the museum will be included. The curriculum will be designed to support educational standards and higher order thinking strategies while considering appropriate learning acceleration strategies. Activities will provide engaging, hands-on experiences. The museum has demonstrated success with similar partnerships in enrichment, including Bester Community of Hope, Girls Inc., and others.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 1 – Building Appalachian Businesses – Strengthen and diversify the Region's economy through inclusive economic development strategies and investments in entrepreneurship and business development.
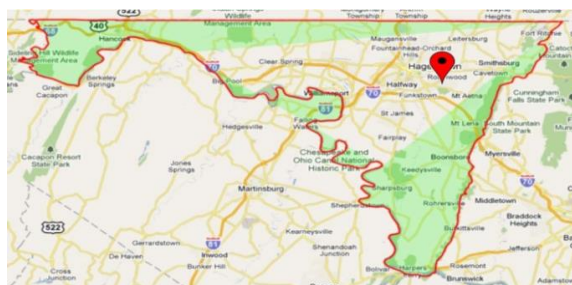**State Objective 5.2**: Promote collaborative partnerships.
State Strategy 5.2.1: Support groups, meetings, and workshops that provide opportunities for cooperation and capacity building.
Proposed Basic Agency *(Construction Projects Only):*
Proposed Funding Sources:

Washington County Museum of Fine Arts $26,325
ARC $26,325
Total Cost $53,650

<h1 style="text-align:center">Preliminary Project Description</h1>

Project Name: Robotics – Esports – Year 2
Applicant: Allegany County Public Schools   **County:** Allegany
Contact: Nil Grove   **Phone:** 301-759-2070
                                                                              Email: nil.grove@acpsmd.org

Project Description:

Allegany County Public Schools is requesting a continuation of the Robotics grant. This program was highly successful in the 2021-2022 school year. ACPS continues to examine ways to increase educational opportunities in Computer Science at the elementary and secondary levels. As well as exemplifying technology directly by programming, students also gain knowledge and understanding about how science, engineering, and math are intricately linked. Computer Science is definitely a growing critical technology for our students. Through Computer Science, our students develop computational and critical thinking skills demonstrated by: Algorithmic problem-solving, Computing and data analysis , Modeling and simulating real-world problems, Programming, Cybersecurity, Web design, Robotics (design and programming).

Our goal in the 2022-2023 school year is to provide our high school students with the robotics kits necessary to learn the skills required to participate in the local, regional, and national competitions for the First Lego League. The 2021-2022 concentrated on providing the Spike Prime Kits for elementary and middle school students as well as provide funding for their competitions, mentor and student modeling workshops. ACPS had an extraordinary turn-out and successfully engaged students in schools that had not participated previously. All of the middle schools were engaged to the point that a second set of kits were necessary to outfit all of the student teams registered. Elementary schools had multiple teams as well far exceeding our original expectations.

Along with the Robotics program, ACPS would like to pilot an Esports program in secondary. Esports for education is a powerful new way to help students learn both academically and socially. For those students that do not participate in traditional sports, this program has become an engaging avenue to capture those students left behind. Research shows that students involved in extracurricular activities are more successful. Esports requires teamwork, communication, critical and strategic thinking, leadership, and provides "lost" students with a connection to their school community in this billion dollar industry. ACPS requests funding to provide technology, registration fees, workshop reimbursement to staff for both programs in order to promote these educational activities to our students.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 2: Building Appalachia's Workforce Ecosystem – Expand and strengthen community systems (education, healthcare, housing, childcare, and others) that help Appalachians obtain a job, stay on the job, and advance along a financially sustaining career pathway.

State Objective 2.1: Support and promote educational programs that will prepare students for jobs in the 21st century.

State Strategy 2.1.1: Expand and support the P-Tech model and K-12 STEM, and active learning labs in preparing students for 21st century jobs.

Proposed Basic Agency:

Proposed Funding Sources:

ACPS	$ 60,000
ARC	$ 60,000
Total Cost	$120,000

Preliminary Project Description

Project Name: Recovery House Capitol Acquisition and Renovation
Applicant: Garrett County Community Action Committee   **County:** Garrett
Contact: Duane Yoder   **Phone:** 301-334-9431
                                                             Email: dyoder@garrettcounty.org

Project Description:

The Recovery House Capitol Acquisition and Renovation project will provide temporary housing for individuals in recovery programs to empower them in returning to the workforce. The Garrett County Community Action Committee, Inc. (GCCAC) is proposing the Recovery House Capitol Acquisition and Renovation project to be located in Oakland, Maryland 21550 and is working with local organizations, to include the Garrett County Health Department.

ARC Goals to Be Addressed, Objectives, and Strategy:

ARC Investment Goal 2: Building Appalachia's Workforce Ecosystem – Expand and strengthen community systems (education, healthcare, housing, childcare, and others) that help Appalachians obtain a job, stay on the job, and advance along a financially sustaining career pathway.

State Objective 2.3: Provide support for recovery ecosystem.

State Strategy 2.3.3: Support temporary housing options for patients in recovery programs and returning to the workforce

Proposed Basic Agency *(Construction Projects Only):* MD DHCD

Proposed Funding Sources:

ARC	$ 480,000
MD CDBG	$ 480,000
TOTAL	$ 960,000

Preliminary Project Description

Project Name: Upgrade Hagerstown WW Pump Station 13 on Western Maryland Parkway

Applicant: City of Hagerstown

County: Washington

Contact: Megan Flick, Nancy Hausrath

Phone: 301-739-8577 ext. 137

Email:
mflick@hagerstownmd.org

Project Description:

Upgrade needed in coordination with County's Maugansville PS project to allow implementation of the City-County 2022 Joint Sewer Service Area Agreement and to accommodate new growth into the city.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 1: Building Appalachian Businesses – Strengthen and diversify the Region's economy through inclusive economic development strategies and investments in entrepreneurship and business development.

State Objective 1.3: Support reinvestment in existing communities throughout the region.

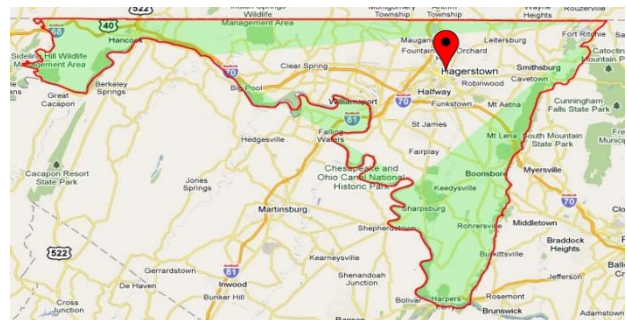**State Strategy 1.3.2:** Provide the necessary infrastructure for revitalization and reinvestment.

Proposed Basic Agency *(Construction Projects Only):* DHCD

Proposed Funding Sources:

City of Hagerstown	$1,000,000
ARC	<u>$2,800,000</u>
Total Cost	$3,800,000

Preliminary Project Description

Project Name: Data Network Upgrade Initiative
Applicant: Appalachian Laboratory   **County:** Allegany
Contact: David Nelson   **Phone:** 301-689-7171
                                                                   Email: dnelson@umces.edu

Project Description:

The Appalachian Lab (AL) of the University of Maryland Center for Environmental Science provides world-class STEM (science, technology, engineering, and math) education and training to diverse groups, including graduate students obtaining advanced degrees, undergraduate students learning scientific skills, and K-12 students participating in science-inquiry partnerships. These efforts contribute to the management, conservation, and restoration of the environment and natural resources in Allegany County, the Appalachians, Maryland, and the nation. So-called "big data" (e.g. from monitoring instruments, remote sensing, genomics, and wildlife tracking devices) are currently revolutionizing the capacity of AL scientists to investigate topics including air and water, wildlife and fisheries, and forests and agriculture, and training the next generation to work with these data will be crucial to prepare students for STEM jobs. However, use of these increasingly complex and voluminous data also requires the development and application of new analytical tools and computational resources. To that end, AL has made several updates to its IT infrastructure during the past year, including purchase of a high-speed, high-capacity, scientific computing cluster and an upgrade to its internet bandwidth. These scientific advances and IT updates also increase the need for high-speed internal data networks.

AL seeks to address these network needs via upgrade of its wired and wireless infrastructure. In terms of wired networking, AL's existing data network wiring is based on outdated standards from the late 1990s, including Category 5 twisted pair Ethernet (1000 BaseT; max. speed of 1 Gbps) as well as multi-mode fiber (max. speed of 10 Gbps) in strategic locations of the building. These standards do not meet the needs of modern, data-driven science. New wiring using current technology standards would provide category 7 cabling (>10 Gbps) throughout the building and single-mode fiber (~100 Gbps) in areas of greatest demand. AL's wireless network also is not up to modern standards and suffers from coverage and reliability issues. Upgraded wireless infrastructure would be able to handle new wireless standards and provide increased network coverage and reliability.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 3: Building Appalachia's Infrastructure – Ensure that the residents and businesses of Appalachia have access to reliable, affordable, resilient, and energy efficient utilities and infrastructure in order to successfully live and work in the Region.
State Objective 3.2: Continue the development of a modern communications network.
State Strategy 3.2.2: Develop, support, and maintain infrastructure for broadband and digital communications.
Proposed Basic Agency *(Construction Projects Only):*
Proposed Funding Sources:

Appalachian Lab	$ 50,000
ARC	$ 50,000
Total Cost	$100,000

Preliminary Project Description

Project Name: Wisp Mountain Water Storage Tank

Applicant: Garrett County Sanitary District
Contact: Bobby Witt

County: Garrett
Phone: 301-334-7485
Email: bwitt@garrettcounty.org

Project Description:

The Deep Creek Lake Water System provides water service to 2,487 residential and commercial customers. This system is currently comprised of four water treatment plants including Villages of Wisp, Willows, Gravelly Run, and Thayerville. There are currently six water storage tanks for this system. The current WISP Mountain Water Storage Tank was installed by a private developer at an elevation which provides insufficient pressure and fire protection for some homes and businesses. A new tank is needed that will provide additional pressure and storage.

This new proposed tank will be 1,000,000 gallons and will have an overflow elevation approximately 40' higher than the existing tank which will provide approximately 20 psi additional in pressure. This tank will allow for further development of the top of the mountain and ensure sufficient water storage and fire protection for the residences and businesses in the McHenry area.

ARC Goals to Be Addressed, Objectives, and Strategy:

ARC Investment Goal 3: Building Appalachia's Infrastructure – Ensure that the residents and businesses of Appalachia have access to reliable, affordable, resilient, and energy efficient utilities and infrastructure in order to successfully live and work in the Region.

State Objective 3.1: Develop and support basic infrastructure and facilities needed to support community and economic development.

State Strategy 3.1.1: Develop and improve water systems to ensure that residents and businesses have clean water.

Proposed Basic Agency *(Construction Projects Only):* DHCD

Proposed Funding Sources:

ARC	$ 470,000
State	$1,530,000
TOTAL	$2,000,000

Preliminary Project Description

Project Name: Hydraulic Model of Hagerstown Wastewater Sewer Shed
Applicant: City of Hagerstown **County:** Washington
Contact: Megan Flick, Nancy Hausrath **Phone:** 301-739-8577 ext. 137
Email:
mflick@hagerstownmd.org

Project Description:

Record and assess flows on 24 inch and 27 inch wastewater interceptors around the city to determine how much capacity is left in the system and identify inflow and infiltration issues. Buy 10 flow meters, 2 survey grade GPS locators, and hydraulic modeling software. The hydraulic model will help us plan for necessary upgrades to ensure adequate capacity in system to serve growth needs in our wastewater shed.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 1: Building Appalachian Businesses – Strengthen and diversify the Region's economy through inclusive economic development strategies and investments in entrepreneurship and business development.
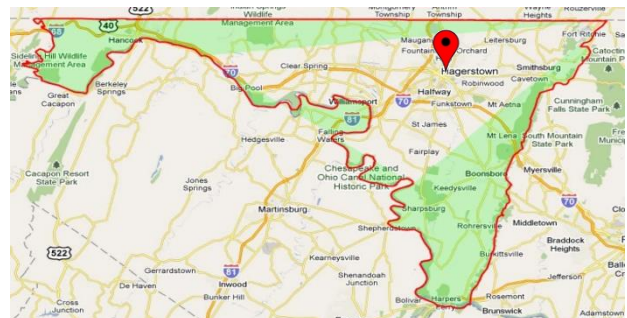
State Objective 1.3: Support reinvestment in existing communities throughout the region.

State Strategy 1.3.2: Provide the necessary infrastructure for revitalization and reinvestment.

Proposed Basic Agency *(Construction Projects Only):* DHCD

Proposed Funding Sources:

City of Hagerstown	$110,000
ARC	$110,000
Total Cost	$220,000

Preliminary Project Description

Project Name: Mountain Maryland Traditional Arts Education Center

Applicant: Allegany Museum   **County:** Allegany

Contact: Vic Rezendes   **Phone:** 301-722-2111

                                                               Email: vicrezendes@gmail.com

Project Description:

The goal of this project is to create education programs and exhibits at the Allegany Museum focused on place-based arts in western Maryland. The space will document and preserve Mountain Maryland's creative traditions and educate our community, especially our children, on how those practices have changed over time. The programs and materials produced for this space emphasize the influence of the regional environment, history, and culture on artistic creation.

The space will feature the multi-media work of the Mountain Traditions Project produced by Frostburg native Michael O. Snyder in partnership with Frostburg State University. That material features the regional traditional arts including blacksmithing, quilting, beekeeping, mountain music and regional foodways. Snyder's ability to represent Mountain Maryland culture in a meaningful manner is key to our exploring the influence of creative endeavors on instilling an appreciation for place and community. The artistry of Don Cook, an acclaimed visual and sculptural artist will also anchor our work in this space. Drawing from his experiences of growing up along the George's Creek Watershed, steeped in the history of coal mining, Cook's work is transformative, finding beauty in the desolate, mundane and familiar. The Allegany Museum provides programs to promote academic achievement and creativity through student literacy, cultural, art and history experiences. We also participate in the Allegany County Public school's extended day program as a partner. By exploring artistic perspectives of place and sharing artisan stories we hope to inspire critical thinking, creativity, and a sense of community in the children we serve.

The total cost of the project is $211,000. We have received$129,000 in funding from various sources to cover some of the infrastructure needs of developing the Center. The funding includes—Maryland Heritage Area Authority $64,000, Community Trust Foundation, $7,000, Allegany Arts Council $2,500, Appalachian Forest National Heritage Area $5,000, and $50,000 from one private donor. These funds are already inhand. However, we need $87,000 in matching funding to complete the infrastructure, design, and installation of the educational elements of the Center. Once establish, we expect the Center will continue with primarily private donations but also with some county government funding through the Board of Education.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 4: Building Regional Culture and Tourism – Strengthen Appalachia's community and economic development potential by preserving and investing in the Region's local, cultural heritage, and natural assets.

State Objective 4.3: Enhance and protect historic and cultural resources.

State Strategy 4.3.1: Support programs to identify, enhance and preserve Maryland's heritage and cultural resources.

Proposed Basic Agency: USDA

Proposed Funding Sources:

Maryland Heritage Area Authority	$ 64,000
Community Trust Foundation	$ 7,000
Allegany Arts Council	$ 2,500
Appalachian Forest National Heritage Area	$ 5,000
Private Donor	$ 50,000
ARC	$ 87,000
Total Cost	$215,500
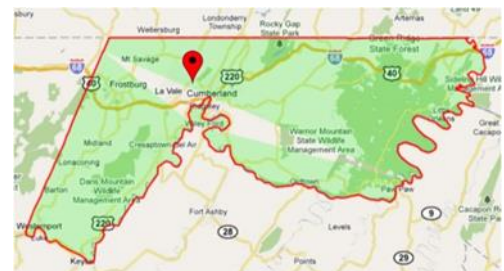
Preliminary Project Description

Project Name: Willson Water Treatment Plant Piping & Valve Update

Applicant: City of Hagerstown	**County:** Washington
Contact: Megan Flick, Nancy Hausrath	**Phone:** 301-739-8577 ext. 137
	Email: mflick@hagerstownmd.org

Project Description:

To address long-term water supply deficit and nearer term demands for service from County economic development target areas outside the City growth area, an increased raw water appropriation is required for Willson WTP. Before that request can be made, the plant's treatment and distribution systems need to be upgraded in order to be ready to handle the increased draw from the river and increased distribution throughout the system. Consistent with 2018 Comp Plan. This project is the first step.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 1: Building Appalachian Businesses – Strengthen and diversify the Region's economy through inclusive economic development strategies and investments in entrepreneurship and business development.
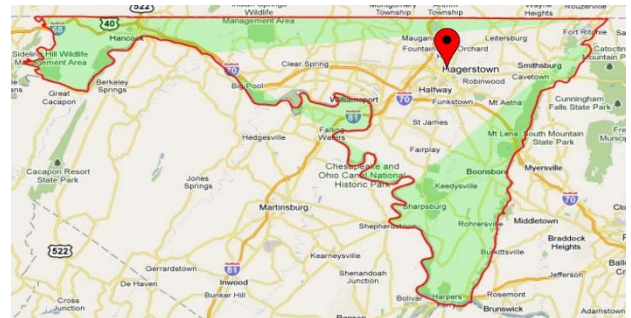
State Objective 1.3: Support reinvestment in existing communities throughout the region.

State Strategy 1.3.2: Provide the necessary infrastructure for revitalization and reinvestment.

Proposed Basic Agency *(Construction Projects Only):* DHCD

Proposed Funding Sources:

City of Hagerstown	$1,000,000
ARC	$4,000,000
Total Cost	$5,000,000

Preliminary Project Description

Project Name: Elevator Repair and Window Replacement at Humpty Dumpty
Applicant: Humpty Dumpty Learning Center   **County:** Allegany
Contact: Jane Belt   **Phone:** 301-707-7820
                                                     Email:
                                                     jane@quarryridgecorp.com

Project Description:
Humpty Dumpty Learning Center, a 501c3, has been serving the parents and children of the Cumberland Community for fifty-three years. We provide a stimulating environment that encourages creativity, environmental consciousness, self-expression and socialization for children ages 6 weeks through 5 years. Humpty Dumpty's mission is to nurture a well-rounded and independent child who has enthusiasm for learning and a positive attitude toward him or herself and the surrounding world. Humpty Dumpty provides an exploratorative and child-directed curriculum that addresses all aspects of child development including social interaction, problem solving and academic preparation. We are licensed by the State of Maryland and approved by the Office of Child Care of the State of Maryland.

The elevator has not worked for over three years and we would like to have it repaired. At this point in time, we are not ADA compliant. Repairing the elevator will also help us meet the needs of our parents, staff and students. It will also help us to reconfigure some of our classrooms and expand the number of children that we are licensed to enroll. When the elevator is repaired, we will be able to rent the top floor of our building that we do not currently need for child care and this area could provide an area for a small business to locate.

Since a goal of this project is to support our economy, the services that we offer at Humpty Dumpty are needed for the region's economic expansion as we meet the workforce needs. We will be providing supportive services for those getting an education or advancing in their fields. For example, we would be able to provide child care for a single parent attending ACM to become a nurse or a small business owner who needs to have child care to expand their business.

We would also like to replace the windows on the ground and first floors in our building. A number of the windows in the building have had to be secured to the building since they were about to fall out of the structure. The new windows will make the costs of heating and cooling the building more economical.

ARC Goals to Be Addressed, Objectives, and Strategy:
ARC Investment Goal 1: Building Appalachian Businesses – Strengthen and diversify the Region's economy through inclusive economic development strategies and investments in entrepreneurship and business development.
**State Objective 1.3:** Support reinvestment in existing communities throughout the region.
State Strategy 1.3.1: Work in partnership with local jurisdictions to support projects that encourage revitalization and reinvestment.
Proposed Basic Agency *(Construction Projects Only):*
Proposed Funding Sources:

HDLC, Inc. (Elevator)	$36,500
ARC	$36,500
TOTAL	$73,000
HDLC, Inc. (Windows)	$36,000
ARC	$36,000
TOTAL	$72,000
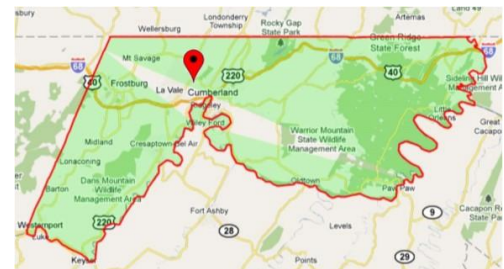
Preliminary Project Description

Project Name: Virtual Anatomy Lab
Applicant: Meritus Health   **County:** Washington
Contact: David White   **Phone:** 301-790-9138
                                        Email:
                                        david.white@meritushealth.com

Project Description:

Meritus Health is seeking $200,000 of funding for the purchase of two Virtual Anatomy Lab Technology tables to support the education and training of the next generation of physicians in Washington County. Virtual Anatomy Lab technology tables are an advanced three dimensional anatomy visualization and virtual dissection tool for anatomy and physiology education, which, is being adopted by many of the world's leading medical schools and healthcare institutions. The table offers a fully segmented real human three dimensional anatomy system, allowing users to visualize anatomy exactly as they would on a fresh cadaver. However, there are none of the chemicals, reoccurring costs, or student hesitancy associated with the use of traditional cadavers.

By allowing users to explore and learn human anatomy in this high tech way, the tables have been linked to improved student performance and more effective educational outcomes. The table allows students to interact with well preserved 'digital' cadavers and exposes students to different anatomical variations and a large number of pathological variations. The high resolution images, and the clinical variation, exposes the next generation of physicians to a wide array of anatomical information, helping to create better and more experienced physicians. Assets like Virtual Anatomy Lab technology tables, are an important part of Meritus Health's efforts to provide Washington County with the most modern and innovative healthcare technologies in order to improve the health status of our region.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 2: Building Appalachia's Workforce Ecosystem – Expand and strengthen community systems (education, healthcare, housing, childcare, and others) that help Appalachians obtain a job, stay on the job, and advance along a financially sustaining career pathway.
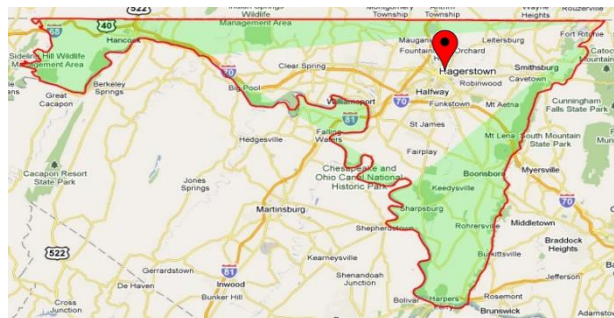**State Objective 2.4:** Provide support for a strong, accessible health network.
State Strategy 2.4.1: Support training and education programs for healthcare professionals.
Proposed Basic Agency *(Construction Projects Only):*
Proposed Funding Sources:

City of Hagerstown	$200,000
ARC	$200,000
Total Cost	$400,000

Preliminary Project Description

Project Name: Enhancing Virtual Workforce Education in Appalachian Maryland
Applicant: Allegany College of Maryland   **County:** Allegany
Contact: David Jones   **Phone:** 301-784-5200
                                                                                        Email: djones@allegany.edu

Project Description:

According to a survey completed by the world's leading tech association, CompTIA, 9 out of 10 people taking the survey indicated that using technology in their education will help to prepare them for the digital future. Additionally, the same study has shown that those learning via a technological component are able to retain information more effectively and use that information later on in their careers. The impact that technology has on learning and education, whether the student is a freshman in college or an employee completing mandatory job training, is unmatched by any other learning tool used today. Allegany College of Maryland, a two-year public community college in Cumberland, MD, wishes to utilize new technological outfitting for four rooms on campus to specifically enhance virtual education opportunities for students in the westernmost counties of the state of Maryland. This technology will help to educate the future workforce, present data and information in a more learner-centered fashion and make education more accessible during this uncertain time.

Face-to-face education has changed drastically throughout the Appalachian region due to the COVID-19 crisis, stripping students of their right to access education. ACM is devoted to offering students a high-quality education in a setting that is comfortable and accessible, and it is our duty to create educational spaces that are suitable for all students. Whether students attend classes on campus or remotely from the safety of their own homes, ACM must be prepared to make the necessary technological enhancements to our classrooms to ensure the continuity of services for our students.

The benefits of this project will stretch far beyond Allegany College of Maryland, as this project will produce benefits across rural western Maryland and across many different businesses in the region. The acquisition of the proper technology to enhance the training offered at ACM will provide the following benefits:

1) Increased capacity to educate and train more students/current regional workforce members

2) Industry-specific job training created through the ACM Center for Continuing Education

3) Virtual professional development and skill enhancement opportunities for students

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 2: Building Appalachia's Workforce Ecosystem – Expand and strengthen community systems (education, healthcare, housing, childcare, and others) that help Appalachians obtain a job, stay on the job, and advance along a financially sustaining career pathway.
**State Objective 2.1:** Support and promote educational programs that will prepare students for jobs in the 21st century.
State Strategy 2.3.1: Develop workforce training and job placement programs for those recovering from a substance misuse disorder.
Proposed Basic Agency *(Construction Projects Only):*
Proposed Funding Sources:

Allegany College of Maryland	$ 55,000
ARC	$ 55,000
Total Cost	$110,000
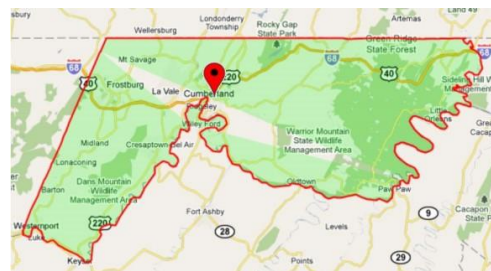
Preliminary Project Description

Project Name: Rehabilitation of Historic Miller Lumber Building and Cline House
Applicant: MEDCO   **County:** Washington
Contact: John Genakos   **Phone:** 443-562-5277
                                                               Email: j_genakos@medco-corp.com

Project Description:

The Maryland Economic Development Corporation (MEDCO) and the Town of Williamsport, Maryland, are working with Washington County, Maryland and the National Park Service (NPS) (collectively, the "Partners") to develop a portion of the Chesapeake and Ohio Canal National Historical Park (C&O Canal NHP) headquarters site in Williamsport, MD. In 2018, these entities entered into an agreement to construct a new headquarters building for C&O Canal NHP on the site of the historic Miller Lumber Company in Williamsport, Maryland on land owned by Washington County. MEDCO constructed the facility and NPS is currently paying back construction costs in the form of a 30-year lease.

The Partners would like to see these building fully rehabilitated and brought back into use as economic drivers for the Town of Williamsport and Washington County. The proposal for the Cline House is to return it to its historic use as a residential site, but this time as housing for NPS seasonal staff who will live in, work in, and economically support Williamsport, Maryland. The proposal for the Miller Lumber Company Building is to seek a commercial tenant that will support visitors to the adjacent National Park, such as a restaurant, outdoor outfitter, or similar endeavor.

The entities seek grans and state funding for interior improvements to Cline House and Miller Lumber Building such as HVAC, fire suppression, plumbing, electrical, insulation, flooring, and interior walls to eliminate substantial investment costs from tenants by rehabilitating the buildings into a rentable condition. Once the essential interior rehabilitation is complete, tenants will be required to fund any needed improvements specific to their business.

According to the recent NPS Visitor Spending report, visitors to downtown Williamsport generated over $11 million in economic output for the surrounding region in 2020. More than $27 million in federal, state, and local projects were completed in Williamsport over the past 15 years, increasing park visitation by over 200% and local employment opportunities. New tenants would create an estimate of 10-15 new jobs in the Miller Lumber Building and NPS would house 3-4 employees year-round in Cline House. Complete rehabilitation of these properties would benefit the local economy for years to come. Hagerstown-Washington County Convention and Visitor Bureau predicts the revival of these historic properties will help transform the downtown area into a destination for history, tourism, and recreation.

ARC Goals to Be Addressed, Objectives, and Strategy:

ARC Investment Goal 1: Building Appalachian Businesses – Strengthen and diversify the Region's economy through inclusive economic development strategies and investments in entrepreneurship and business development.

State Objective 1.3: Support reinvestment in existing communities throughout the region.

State Strategy 1.3.2: Provide the necessary infrastructure for revitalization and reinvestment.

Proposed Basic Agency *(Construction Projects Only):* DHCD

Proposed Funding Sources:

Town of Williamsport	$450,000
ARC	<u>$450,000</u>
TOTAL	$900,000

Preliminary Project Description

Project Name: Purchase of an NMR Spectrometer
Applicant: Frostburg State University   **County:** Allegany
Contact: Jerald Simon   **Phone:** 301-687-4155
                                                    Email: jsimon@frostburg.edu

Project Description:

Frostburg State University (FSU) is requesting funding from the Appalachian Regional Commission (ARC) for the purchase of a nuclear magnetic resonance (NMR) spectrometer.

An NMR spectrometer is a vital piece of analytical equipment found in modern chemical laboratories. The NMR spectrometer can detect the different environments that atoms in a molecule are experiencing and also measure the number of atoms in that environment. Since the environment of an atom is influenced by neighboring atoms, the spectra collected on the NMR can be used to "build" a complete picture of a molecule by following the bonding in a molecule from atom to neighboring atom.

The development of NMR spectroscopy resulted in Nobel Prizes in the fields of Physics, Chemistry and Medicine. The use of NMR spectroscopy in modern laboratories is so important that the Committee on Professional Training of the American Chemical Society (ACS) requires an NMR spectrometer in order to be able to qualify for ACS certification, an indication that students are receiving a quality education in chemistry. In his book "Perfect Symmetry: The Accidental Discovery of Buckminsterfullerene", J. Baggott writes "... such is the importance of NMR as an analytical tool that when the NMR machine breaks down, the chemists go home.".

At FSU we train future chemists, an NMR spectrometer will enable us to fully prepare our students to enter the modern chemical workforce and be productive employees. We would be able to give our students a chemical education that would be acknowledged by accrediting agencies as being of the highest quality and equal to that found in other regions of the country.

Currently at FSU we host high school students, who come into our laboratories to use equipment that is unavailable at their schools in Allegany and Garrett counties. We would be able to expose these students to NMR, one of the most important tools of modern chemistry, and the excitement that this could generate would be a recruitment tool for chemistry and other STEM majors.

We would also make our NMR spectrometer available to local companies in the chemical and biotechnology fields. Having access to this instrument would be a benefit for start-up companies that may not have a budget to purchase their own NMR spectrometer. In the past FSU has worked with local companies, such as Northrup Grumman/ABL, in using our equipment to conduct chemical analysis of raw materials and finished products. An NMR would enable us to expand this collaboration into many areas of interest for industrial partners.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 2: Building Appalachia's Workforce Ecosystem – Expand and strengthen community systems (education, healthcare, housing, childcare, and others) that help Appalachians obtain a job, stay on the job, and advance along a financially sustaining career pathway.

State Objective 1.2: Prepare for the economic development of the next century and attract new businesses.

State Strategy 1.2.2: Facilitate the development of research and testing facilities and workforce training for new technology.

Proposed Basic Agency *(Construction Projects Only):*

Proposed Funding Sources:

Frostburg State University	$ 87,500
ARC	$ 87,500
Total Cost	$175,000

Preliminary Project Description

Project Name: R. Paul Smith Boulevard Extension
Applicant: City of Hagerstown   **County:** Washington
Contact: Megan Flick, Rodney Tissue   **Phone:** 301-739-8577 ext. 137
                                                      Email: mflick@hagerstownmd.org

Project Description:
Consistent with 2018 Comprehensive Plan and 2040 Long Range Transportation Plan by our Metropolitan Planning Organization, this project would connect existing Paul Smith Boulevard to the County-maintained Hebb Road. This proposed City street would be about 770 feet long and the estimated cost is $1.5 million dollars. The road crosses a designated FEMA floodplain which has been an obstacle in getting this road constructed and ARC funding would help overcome that.

With significant land development (industrial, residential and commercial) occurring in the vicinity, the development community is spending upwards of $10,000,000 to make road improvements including a new signalized intersection on the Dual Highway with a new street called "Lois Harrison Boulevard" which connects to existing Paul Smith Boulevard.

The goal of this project is to lessen traffic impacts on the County roads in the area and especially decrease traffic in Funkstown by proving an option to get to the Dual Highway via this new road network. Traffic studies are being finalized to quantify the relief provided.

Utilities will also be installed in the street to serve the adjacent land development and the vicinity.

ARC Goals to Be Addressed, Objectives, and Strategy
ARC Investment Goal 1 – Building Appalachian Businesses – Strengthen and diversify the Region's economy through inclusive economic development strategies and investments in entrepreneurship and business development.
State Objective 1.3: Support reinvestment in existing communities throughout the region.
State Strategy 1.3.2: Provide the necessary infrastructure for revitalization and reinvestment.
Proposed Basic Agency *(Construction Projects Only):* SHA/MDOT
Proposed Funding Sources:

City of Hagerstown	$ 750,000
ARC	$ 750,000
Total Cost	$1,500,000

Preliminary Project Description

Project Name: Training Development for SUD
Applicant: Frostburg State University   **County:** Allegany
Contact: Stacy Wassell   **Phone:** 240-727-5287
         Email: swassell@frostburg.edu

Project Description:

The Remote Work Center (RWC) at Frostburg State University is submitting this PPD to the Appalachian Regional Commission for consideration of funds for the future development of workforce training and job placement programs at the RWC. The programs will focus on addressing the substance use disorder crisis within Allegany County, MD. The misuse of and addiction to opioids—including prescription pain relievers, heroin, and synthetic opioids such as fentanyl—is a serious national crisis that affects public health as well as social and economic welfare (National Institute of Drug Abuse). Allegany County in 2021 saw 246 non-fatal overdoses in the 25-44 age range. The mission of this program is to create a resource center where individuals who have successfully completed a substance use disorder recovery program will have, and are able, to get training opportunities for entry or re-entry into the workforce. Part of this program will be to identify and target organizations who will support and hire individuals who have been through a SUD recovery program. Upon identification of those organizations, there will be an assessment plan for industry-specific training needs for potential employees—what do they want/need individuals to learn/know. This information will then enable the RWC to compose and develop the necessary training materials, programs, and schedules based on pertinent goals and objectives of the employer and the RWC's resources. As such, some of these programs may include packaged programs licensed to the RWC. In addition, the RWC has collaborations with Delmock Technologies Inc (DTI) to deliver IT trainings to individuals who utilize the RWC. A significant asset for the RWC is the proximity and support of the Small Business Development Center. Housed within the same building, the RWC will partner with the SBDC and its consultants for trainings that relate to start-ups or assist with franchise opportunities.

The programs at the RWC are geared towards ARC's targeted investment priorities of economic development--bringing new jobs to the area; infrastructure, offering high speed internet and connectivity for potential remote workers; education and workforce development through the various trainings and support systems; while addressing the ongoing epidemic of substance abuse. Overall the goal is to contribute to creating a recovery ecosystem within western Maryland.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 2: Building Appalachia's Workforce Ecosystem – Expand and strengthen community systems (education, healthcare, housing, childcare, and others) that help Appalachians obtain a job, stay on the job, and advance along a financially sustaining career pathway.

State Objective 2.3: Provide support for recovery ecosystem.

State Strategy 2.3.1: Develop workforce training and job placement programs for those recovering from a substance misuse disorder.

Proposed Basic Agency *(Construction Projects Only):*

Proposed Funding Sources:

Frostburg State University	$25,000
ARC	$25,000
Total Cost	$50,000

Preliminary Project Description

Project Name: Antietam Street Parking Deck
Applicant: City of Hagerstown
Contact: Megan Flick, Rodney Tissue

County: Washington
Phone: 301-739-8577 ext. 137
Email: mflick@hagerstownmd.org

Project Description:

A new 380-space parking deck, the third one in the downtown, would provide business-hour parking for District Court, local restaurants and will provide convenient parking adjacent the proposed Hagerstown Multi-Use Sports and Events Facility (HMSEF). In addition, redevelopment of adjacent private property is contingent upon convenient and safe parking for the tenants and patrons.

A top priority of the City of Hagerstown, the proposed deck has unanimous support from our Mayor and City Council, as well as business leaders in the community. The project's scope includes 380 parking spaces, staff office, LED lighting, CCTV system, solar panels on top level, and space for future public restroom.

The December, 2021 "Downtown Stadium Parking Study" completed by KCI Technologies shows that at least 1876 public parking spaces currently exist within one-half mile of the HMSEF site and at least 1200 of these public spaces are currently available on weekday or weekend evenings. Using 80% HMSEF occupancy as the target to size the deck, 1,520 spaces are required plus spaces needed to meet future non-HMSEF development concurrently with events at the HMSEF. Based on this, KCI concluded the parking deck should provide 350 to 400 spaces. The deck would provide 25% of the full-capacity parking for the HMSEF only 200 feet from the HMSEF.

This project is part of implementation of the Downtown Parking Master Plan to support economic development downtown and to support the new Multi-use Stadium. It is consistent with 2022 SCP.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 1 – Building Appalachian Businesses – Strengthen and diversify the Region's economy through inclusive economic development strategies and investments in entrepreneurship and business development.

State Objective 1.3: Support reinvestment in existing communities throughout the region.

State Strategy 1.3.2: Provide the necessary infrastructure for revitalization and reinvestment.

Proposed Basic Agency *(Construction Projects Only):* DHCD/SHA/MDOT

Proposed Funding Sources:

City of Hagerstown	$8,000,000
ARC	$1,000,000
Total Cost	$9,000,000

Preliminary Project Description

Project Name: Western Maryland Regional Export Initiative
Applicant: SBDC at Frostburg State University   **County:** Allegany
Contact: Sandy Mehalko   **Phone:** 888-237-9007 ext. 1
                                                                                        Email: smmehalko@frostburg.edu

Project Description:

This new export initiative will provide western Maryland will identify any and all businesses in western Maryland who would benefit from exporting their goods in order to grow their business. The project funds will be used to get several current or new SBDC staff members Certified Global Business Professionals (CBGP) through Nasbite, membership in Nasbite, subscription(s) to a relevant database(s) to assist clients in business planning for exporting, and an outreach program to educate businesses on exporting opportunities. The SBDC network already has several CGBP certified staff and they will be used as a resource for western Maryland. There is also an opportunity to become the first University partner with Nasbite to bring the CGBP Student Pathway Program to Maryland to offer an additional credential to students working on any degree programs in international business.

Budget estimate

Staff Initial CGBP certifications (3), including study guides, etc.	$1,650
Staff recertification and annual professional development (3)	750
Annual conference for staff (2)	2,500
Client travel to Exporter Summit	3,000
Outreach materials	1,000
Annual Export Database Subscription	1,100
Total	$10,000

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 1: Building Appalachian Businesses – Strengthen and diversify the Region's economy through inclusive economic development strategies and investments in entrepreneurship and business development.
State Objective 1.4: Increase international exports from the ARC region.
State Strategy 1.4.2: Develop programs that will assist in marketing and business development on an international level.
Proposed Basic Agency *(Construction Projects Only):*
Proposed Funding Sources:

Frostburg State University	$ 5,000
ARC	$ 5,000
Total Cost	$10,000

Preliminary Project Description

Project Name: Center for Product Design and Advanced Manufacturing Operating Budget
Applicant: Frostburg State University   **County:** Allegany
Contact: Jamil Abdo   **Phone:** 301-687-7026
                                                              Email: jabdo@frostburg.edu

Project Description:

3D printing is the process of adding and bonding layers of material to form a part. This contrasts with traditional manufacturing processes that either mold the finished part all at once or are subtractive, removing material from a larger bulk to create a finished product. Jobs will shift around the globe, with manufacturing jobs migrating to places where 3D printing is fully embraced. Four to 6 trillion (USD) of the global economy will be disrupted and redistributed in the next 10 years due to the accelerating growth of 3D printing.

Recently Frostburg State University received an ARC Power grant for about $1.48 million, out of which $474K will be used for establishing the "Center for Product Design and Advanced Manufacturing (CPDAM)". The center will be located in the ABC building. CPDAM focus will be design and advanced 3D printing. We are working with the Vice President for Regional Development & Engagement, Albert Delia, on purchasing the equipment and renovating the center. We anticipate that we will be ready to fully function in early 2023.

The main objectives of the center are:
- To engage students in real-world cutting-edge knowledge in product design and manufacturing through training and giving them the opportunity to work on industrial projects/products.
- To provide services for small, medium, and large businesses in the region.
- To create a common equipment and testing laboratory of equipment accessible to the industry and community in the region.
- To provide training and workshops on using 3D printers for the students, industry and community.
- To engage and utilize the technical assets and expertise of the Frostburg State University's faculty, staff and students.

The ARC Power grant we received for the CPDAM mainly covers the cost of equipment, computers, and internships. The grant does not cover the operating costs for the center. We would like to request PPD funding to support students training and licenses, community engagement, developing website, material purchasing, and paying for staff. The center expected to self-sustain itself in two years.

ARC Goals to Be Addressed, Objectives, and Strategy

ARC Investment Goal 1: Building Appalachian Businesses – Strengthen and diversify the Region's economy through inclusive economic development strategies and investments in entrepreneurship and business development.
State Objective 2.1: Support and promote educational programs that will prepare students for jobs in the 21st century.
State Strategy 1.1.1: Provide training, investment leads, and technical assistance for businesses and entrepreneurs.
Proposed Basic Agency *(Construction Projects Only):*
Proposed Funding Sources:

Frostburg State University	$ 50,000
ARC	$ 50,000
Total Cost	$100,000

Strategic Goals and Objectives

The following is Maryland's integration of its objectives and strategies to further ARC's goals:

ARC Investment Goal 1: Building Appalachian Businesses – Strengthen and diversify the Region's economy through inclusive economic development strategies and investments in entrepreneurship and business development.

State Objective 1.1: Support business expansions and increase start-ups and entrepreneurship.

State Strategy 1.1.1: Provide training, investment leads, and technical assistance for businesses and entrepreneurs.

State Strategy 1.1.2: Support efforts to improve access to capital for businesses.

State Strategy 1.1.3: Provide the infrastructure to support businesses in the region.

State Objective 1.2: Prepare for the economic development of the next century and attract new businesses.

State Strategy 1.2.1: Identify areas for development of research and testing facilities for new technology.

State Strategy 1.2.2: Facilitate the development of research and testing facilities and workforce training for new technology.

State Strategy 1.2.3: Support and promote agri-tourism and agricultural and other resource based businesses based on regional needs and demands.

State Strategy 1.2.4: Provide technical assistance and support development of plans and studies.

State Objective 1.3: Support reinvestment in existing communities throughout the region.

State Strategy 1.3.1: Work in partnership with local jurisdictions to support projects that encourage revitalization and reinvestment.

State Strategy 1.3.2: Provide the necessary infrastructure for revitalization and reinvestment.

State Strategy 1.3.3: Increase workforce and affordable housing stock.

State Objective 1.4: Increase international exports from the ARC region.

State Strategy 1.4.1: Provide training and technical assistance for businesses.

State Strategy 1.4.2: Develop programs that will assist in marketing and business development on an international level.

ARC Investment Goal 2: Building Appalachia's Workforce Ecosystem – Expand and strengthen community systems (education, healthcare, housing, childcare, and others) that help Appalachians obtain a job, stay on the job, and advance along a financially sustaining career pathway.

State Objective 2.1: Support and promote educational programs that will prepare students for jobs in the 21st century.

State Strategy 2.1.1: Expand and support the P-Tech model and K-12 STEM, and active learning labs in preparing students for 21st century jobs.

State Strategy 2.1.2: Work with local employers to create and expand apprenticeships and other school to work transition programs.

State Strategy 2.1.3: Work to create and support programs directed toward postsecondary access and success.

State Objective 2.2: Expand partnerships among local schools, colleges, and businesses to support workforce development and improve workforce readiness.

State Strategy 2.2.1: Provide continuing education training in advanced skills for workers in the region.

State Strategy 2.2.2: Work with local employers to create and expand apprenticeship programs.

State Strategy 2.2.3: Work with local businesses to develop programs that will encourage workers to take advantage of post-secondary education programs.

State Strategy 2.2.4: Support training for displaced workers and formerly incarcerated individuals.

State Objective 2.3: Provide support for recovery ecosystem.

State Strategy 2.3.1: Develop workforce training and job placement programs for those recovering from a substance misuse disorder.

State Strategy 2.3.2: Support transportation opportunities for individuals recovering from substance dependence in their reentry to the workforce.

State Strategy 2.3.3: Support temporary housing options for patients in recovery programs and returning to the workforce.

State Objective 2.4: Provide support for a strong, accessible health network.

State Strategy 2.4.1: Support training and education programs for healthcare professionals.

State Strategy 2.4.2: Increase access to healthcare.

State Strategy 2.4.3: Support projects for healthcare prevention and wellness.

State Strategy 2.4.4: Support programs that address substance dependence.

ARC Investment Goal 3: Building Appalachia's Infrastructure – Ensure that the residents and businesses of Appalachia have access to reliable and affordable utilities and infrastructure in order to successfully live and work in the Region.

State Objective 3.1: Develop and support basic infrastructure and facilities needed to support community and economic development.

State Strategy 3.1.1: Develop and improve water systems to ensure that residents and businesses have clean water.

State Strategy 3.1.2: Develop and improve wastewater systems for residents and businesses.

State Strategy 3.1.3: Develop and implement a combined stormwater overflow systems to ensure compliance with state and federal regulations.

State Objective 3.2: Continue the development of a modern communications network.

State Strategy 3.2.1: Increase access to broadband.

State Strategy 3.2.2: Develop, support, and maintain infrastructure for broadband and digital communications.

State Objective 3.3: Develop a balanced transportation system, which is supportive of economic growth and investment potential in the region.

State Strategy 3.3.1: Development of a north-south transportation network in the region.

State Strategy 3.3.2: Improve secondary and local access highways road that will support primary highway development and yield an integrated network of road transit in the region.

State Strategy 3.3.3: Support development of key transportation corridors (highway, rail, aviation) that enhance economic opportunity.

State Strategy 3.3.4: Support multimodal transportation options.

ARC Investment Goal 4: Building Regional Culture and Tourism – Strengthen Appalachia's community and economic development potential by preserving and investing in the Region's local, cultural heritage, and natural assets.

State Objective 4.1: Increase employment and sales in the travel and heritage tourism industry, particularly in the areas of outdoor recreation, convention attractions, and historical interest.

State Strategy 4.1.1: Support regional marketing programs for the travel and tourism industry.

State Strategy 4.1.2: Support the development of heritage tourism products linked

to state and national byway and heritage area efforts.

State Objective 4.2: Support and enhance the outdoor recreation economy.

State Strategy 4.2.1: Support the expansion of outdoor recreation opportunities.

State Strategy 4.2.2: Assist in development of tourism opportunities related to outdoor recreation.

State Objective 4.3: Enhance and protect historic and cultural resources.

State Strategy 4.3.1: Support programs to identify, enhance and preserve Maryland's heritage and cultural resources.

State Strategy 4.3.2: Assist in development of tourism opportunities related to historic and cultural resources.

ARC Investment Goal 5: Building Community Leaders and Capacity – Invest in the capacity of local leaders, organizations, and communities to address local challenges by providing technical assistance and support to access resources, engage partners, identify strategies and tactics, and conduct effective planning and project execution.

State Objective 5.1: Strengthen leadership skills and capacity.

State Strategy 5.1.1: Support programs that provide training in leadership development for youth, interested citizens, and community leaders.

State Strategy 5.1.2: Support programs that provide management skills to nonprofit organizations.

State Objective 5.2: Promote collaborative partnerships.

State Strategy 5.2.1: Support groups, meetings and workshops that provide opportunities for cooperation and capacity building.

Project Package Timeline, Review and Selection Process

- Request for Preliminary Project Proposals sent to points of contact by **February 18, 2022**.

    FY2023 ARC projects are requested from County Government, Local Government, non-profit organizations and educational institutions. Eligible applicants interested in submitting a project request contact: Allegany County Department of Economic and Community Development, Garrett County Department of Business Development, or Washington County Office of Community Grant Management.

- Preliminary Project Descriptions (PPD's) are submitted to respective County Commissioners for review and priority ranking no later than **April 8, 2022**.

- PPD's to be reviewed and ranked by the Boards of County Commissioners and submitted to Tri-County Council for Western Maryland (TCCWMD) before **May 20, 2022**.

- Tri-County Council for Western Maryland and Maryland Department of Planning's ARC Program Manager review, collate, and rank the project requests. The Completed Project Package is compiled and presented to the full board of TCCWMD on **June 22, 2022** for approval and submittal to the State.

    Preliminary Project Descriptions are reviewed and ranked based upon the set of criteria outlined by the ARC Strategy Statement: Project Readiness, Degree of Need, State Targeted Investment Priorities, Project Evaluation/Prioritization, Scope and Cost Effectiveness, Degree of Distress, Degree of Non-ARC Funds.

- Projects in a fundable position are invited via a written notice of Invitation to Submit Application during **August 2022**.

- Eligible projects in a fundable position may submit Full Application Packets as early as **September 1, 2022**. In most cases, funding will become available **October 1, 2022**.

- All projects in a fundable position under the FY23 project package should be submitted to the ARC Program Manager no later than **November 18, 2022.**

*In the event a project is not submitted by **November 18, 2022**, funding will be transferred to another project to ensure the region does not lose those funds.*

As the Local Development District (LDD) for the State of Maryland, Tri-County Council for Western Maryland provides access to the following project planning guides on its website: www.tccwmd.org.

2021 Annual Strategy Statement Maryland
2020-2024 Appalachian Maryland Development Plan
Appalachia Envisioned A New Era of Opportunity ARC Strategic Plan Fiscal Years 2022-2026
2020-2024 ARC Strategic Goals and Objectives