

A Proposal

The Anacostia Veterans Project

Presented by:

The National Association of Concerned Veterans

(a 501, C, 3 Certified non-profit Corporation)

Phase One

Proof of Concept

Rationale

Background

The National Association of Concerned Veterans - At the end of the Second World War, America occupied a position of unprecedented opportunity and prosperity. Millions of men and women returned home. They came back to a nation transformed by the experience of victory - a nation catapulted into a new era of global influence and technological innovation. After the long night of austerity, rationing and shortages, a veritable explosion of demand, productivity, and economic growth was about to begin. Advances in engineering, science, & medicine opened doors to all. Education, thanks to the GI Bill, thrived and male life expectancy jumped 10+ years. There was a great challenge in the land. We had a new Nation to build. It was the ascendancy of the American Century. Veterans played a lead role in that era of prosperity.

Then came Korea, Viet Nam, and a seemingly endless series of global engagements. America's growth in the 50's and 60's became clouded by new responsibilities as we assumed the role of leader of the "free world." The proxy wars in Africa and elsewhere began to create a new generation of veterans. A broad multi ethnic class of veterans began to emerge. The challenges and opportunities for our veterans began to shrink as the sense of national mission shifted and changed. As a country we lost our focus on the sacrifice of service and while recently a new emphasis in both the national dialog and the resources devoted has improved, there exists a gap in the role and place of our bravest and most vulnerable population segment: America's Military Veterans.

A New Vital Mission:

America's Veterans by their enlistment, signed a blank check to the USA for any amount up to and including their very lives. Nothing so concentrates the mind as being the subject of 'incoming fire,' That is as "real," as life gets. Our veterans by, so doing became the defenders of our nation and our democracy. Now our country now faces another challenge. The world is soon to become affected by fundamental changes in the planetary economy and the environment. NACV believes that our mission driven dedicated veterans, who so ably defended this nation from threats to our liberty - Now defend us against the equal or greater threat to our planet's environment. Just as they defended and became guardians of our liberty, let us train them for a new and equally vital mission - The defense of our environment through Food and Water security. Let it start here in Washington, The District of Columbia

The National Association of Concerned Veterans (NACV)

Organized in 1968 has a long history of training, hiring, and assisting veterans of America's wars,. We started in a time and place where the Veteran was not being supported and often operated under less than ideal circumstances. However, like all of our nation's veterans, and as vets ourselves, we persevered in the face of adversity. We are resourceful and dedicated to our Country and the City's in which we reside. The following proposal sets forth a strategic approach to achieving that goal.

The Anacostia River Watershed has long been an embarrassment to our city and a blot on the National Capitol, The City of Washington, DC. While great progress has been made and recent technical reports are most encouraging, there are still water quality issues that need to be resolved. We believe we have the technology and expertise to complete the final stage of the full ecological and environmental restoration of the Anacostia Watershed.

The Anacostia was once a pristine river, it's waters the natural habitat for a variety of native waterfowl, fish, and aquatic flora and fauna. A growing population, then the industrial revolution began to take its toll.and the river fell into a period of massive pollution and environmental ruin. In recent years the Federal Government and successive city administrations have led a concerted effort to bring this once bucolic river back to its vital and life affirming health and beauty. This includes the massive storm water runoff and catchment project currently underway.

DC Veterans - The most recent Unemployed Veterans Study places The District of Columbia with the highest unemployment rate for Vets in the Nation. (2015) However, since then the Veterans Administration the The DC Government have worked together to substantially reduce this number and numerous support programs now exist. The CVA proposes to train and productively employ a new generation of concerned and engaged veterans to install, maintain and operate, a new, totally natural, chemically free means to bring the river back to its full capacity and to once again support life in all the natural ecological diversity

.NBO technology (...nano bubbles of oxygen) is a Japanese developed process used to revitalize and repair the littoral waters of Japan and it's fishing grounds from a massive dump of organic matter during the last Tsunami. NB are a safe natural process of proven efficacy (see appendix "A")

Complete Remediation - Anacostia River Watershed Bioremediation can be completed and stabilized using strategically placed and maintained Nanobubble Ox Generators. It is cost effective holistic solution that can be totally managed by our Veterans who can be the protectors of our environment as they were the protectors of our liberty. Here is a link to a Japanese video of a similar project in Japan - <https://binged.it/3424zic>

Project Design Approach

Overall Strategy - It is not our intention to re invent or to duplicate existing engineering but to collaborate and augment positive existing efforts through the application of the unique properties and advantages of nanobubbles (see appendix #1) and to restore the original ecology of the The Anacostia Watershed. Our model is designed to help facilitate the clean up of the river and to then maintain its ongoing health through the proactive super oxygenation of the water and the restoration of the natural flora and fauna native to this region.

Conceptual Design - NACV plans a design based upon both content and basic engineering principles:

1. Review literature, records, and work to date
2. Analyze all available data points
3. Create a project design
4. Implement a work plan
5. Developmentally test outcomes
6. Monitor, improve and maintain system

Statement of Work

The NACV will perform the following work tasks associated with a professional engineering project. Listed below is a preliminary estimate based upon our experience and knowledge of the expertise and the limited knowledge of the existing condition of the Anacostia and prevailing efforts to date.. Upon award and prior to the beginning of effort, NACV will prepare a detailed statement of work that will enumerate and detail the exact number of personnel, type model, & cost of all equipment required, as well as the job tasks necessary to a successful project. However, the work plan will detail and identify the following:

1. Quantifiable objective of the project
2. Strategic engineering design
3. Timing of technical reviews
4. Specific tasks
5. Human resources and skills required
6. Training plan & syllabus
7. Project timeline
8. Deliverables (physical items)

Management

Overview - NCVA anticipates that engagement with the city will be through a cost plus contract. Overhead and profit will be subject to city regulations for such projects. NCVA will hold the master agreement and will manage and have primary responsibility to the City on all aspects, technical, personnel, and the role of subcontractors as required. CVA will provide a statement of financial responsibility to include a current copy of its 990 filing, as well as, a board resolution authorizing this project.

Project Management - NCVA establish a project overview team that will include NACV, City Project Manager, and a selected representative of all ancillary contractors and stakeholders. This Project Oversight Team will meet periodically to be briefed and review current plans and status and to provide insight and mutual reciprocal suggestions and improvements. NACV will also employ a professionally certified Project Management Professional (PMP) who will have responsibility for both management and reporting on all aspects of the project to include: compliance, federal/city regulations, financial issues, personnel hiring etc, etc. as may be required by the City. Regular project reports and meetings will be held so that the city may exercise its right to oversee the efficacy of the project.

Hiring Practices - NACV will hire and train veterans in all aspects of the operation. Where no veteran with the skills can be identified, we will find a candidate we can train for the position while issuing a short term contract for a suitable subject expert. Veterans will be a first priority followed by: Returning Citizens, Single Parent (head of households) Endangered Youth, and theLGBT community will also be priority hires.

Terms & Conditions

In collaboration and consultation with all engaged parties and stakeholders NACV will select a target section of the Anacostia as the test site. NCVA will form a technical advisory committee consisting of all parties to this project. This will help eliminate issues of turf and greatly enhance communication so necessary to any such project. Applying standard engineering methods, we will deploy the NB infiltration process and conduct weekly assays of the key measures as determined by the joint committee. We anticipate a three month test period from inception to final proof of concept. Although formal testing will occur every 5 days and the results carefully recorded and monitored, informal testing and operational validation will occur periodically as well. The official testing will begin once all equipment is received and installed per to NACV's satisfaction.

Estimated Budget: It is anticipated that the city will, under the general terms and conditions of the McKinney Act. Identify surplus locations and such equipment and resources as may be available through either state or federal gov't programs. This will mitigate project costs significantly. Salaries for professional staff will be consistent with market rates generally paid for such work. Veteran participants will be paid a living wage of \$17.00 dollars per hour based upon standard federal and city personnel requirements. Wages paid will be determined at the time a formal contract is signed. The following are estimated for planning purposes only.

Facility: 10,000 sq ft with space for office, classroom, workspace, conference + Leasehold Improvements.

Office Equipment: Standard Office resources

Estimated Staffing - Compensation: We estimate that initial level of effort will not require all staff to be full time employees. Compensation

- 1 Program Manager -full time@ \$50K per annum = \$12,500
- 1 Engineer - part time@ \$33.00 per hr. = \$ 8,000
- 1 Trainer part time@ \$23.00 per hr. = \$ 5,520
- Technicians - 2 part time@ \$20.00 per hr. = \$ 4,800
- 4Staff: New Hires -4- full time @ \$17.50 per hr.= \$ 8,400

Total Estimated Monthly Salaries for 3 mos. Test : \$16,800

Estimated Equipment Costs - For Test Completion

No #	Name & Type of Equipment	Function	Estimated Cost
2	Submersible Pumps	Water O2 injection	\$40,000
1	Nano Scale Precision Nozzle	Creates NB mix	\$20,000
-	Controls & Automation	Measurement Control. Programming	\$22,000
-	Misc. tools, piping, plumbing	Interconnection of system	\$15,000
1	Bio Remediation Consultant	Ecological restoration expertise	\$10,000