

United States Senate
WASHINGTON, DC 20510-3203

June 21, 2021

The Honorable Patrick Leahy
Chairman
Senate Committee on Appropriations
Washington, DC 20510

The Honorable Richard Shelby
Vice Chairman
Senate Committee on Appropriations
Washington, DC 20510

The Honorable Jeanne Shaheen
Chair
Subcommittee on Commerce, Justice
Science, and Related Agencies
Senate Committee on Appropriations
Washington, DC 20510

The Honorable Jerry Moran
Ranking Member
Subcommittee on Commerce, Justice
Science, and Related Agencies
Senate Committee on Appropriations
Washington, DC 20510

Dear Chairman Leahy, Vice Chairman Shelby, Chair Shaheen, and Ranking Member Moran:

I certify that neither I nor my immediate family has a pecuniary interest in any of the congressionally directed spending items that I have requested in the Fiscal Year 2022 Commerce, Justice, Science, and Related Agencies Appropriations bill consistent with the requirements of paragraph 9 of Rule XLIV of the Standing Rules of the Senate.

Thank you for your consideration of these important requests.

Sincerely,



Charles E. Schumer
United States Senator

**Schumer, Charles(D-NY) Commerce, Justice and Science
Congressionally Directed Spending Requests**

Recipient Name	Project Purpose	Project Location	Amount Requested (\$000)
University at Albany - SUNY	The Empire State VERTEX testbed will evaluate the quality and robustness of ground-based vertical profiling technology, integrate data from ground-based vertical profiling sensors into National Weather Service (NWS) real-time operations, and assess the value of persistent boundary layer-sensing technologies for improving operations and the cost-effectiveness of integrating these technologies into the national weather enterprise observing infrastructure.	Albany, New York NY	\$3,000
Binghamton University, State University of New Yor	<p>Binghamton University requests \$1.5M to acquire a Zeiss Xradia 620 Versa 3D X-ray microscope for its Analytical and Diagnostics Laboratory (ADL). This tool uses X-rays and computed tomography (CT, similar to the techniques used in a hospital CAT scan to provide 3D images revealing microscopic detail of the internal structure and composition of industrial parts. This tool will serve the advanced technological needs of New York companies in this competitive economy.</p> <p>At the intersection of U.S. based manufacturing and the new technology economy in New York, a leading position is emerging in batteries for energy storage and electrified transportation. The Xradia 3D X-ray microscope fits into this effort, providing unparalleled capability to capture images of the internal structure and composition of experimental and prototype commercial batteries. New material technologies, new designs, and new assembly methods will enable the production of lighter, higher capacity, more durable, and more cost-effective batteries. Scientists and engineers from companies across New York will use the Xradia to reduce the time to market for this new generation of batteries.</p>	Binghamton, Broome County NY	\$1,500
Not Another Child, Inc.	Not Another Child, Inc. is the lead agency requesting funds in conjunction with the New York State Fund Peace Coalition. The requested funds will be used to support a statewide conference for CVI's and HRVIP's, coordination of a National Day of Healing, and quarterly youth initiatives.	Brooklyn NY	\$750
Kings Against Violence Initiative, Inc.	Building on 12+ years of experience and expertise, KAVI is proposing to establish a statewide Center of Excellence for Hospital-based Violence Intervention Programs (COE for HVIPs). The work of the COE will include a multi-site evaluation of HVIPs, performed in partnership with KAVI, Karna (Evaluator), Kings County Hospital, Harlem Hospital, and Lincoln Hospital& The COE will also provide capacity-building assistance in evidence-based violence interventions to community violence interventions and HVIPs throughout NYS and support the export and replication of best practice models in NYS and throughout the US.	Brooklyn NY	\$750
Kings Against Violence Initiative, Inc.	<p>Multi-Site Evaluation of HVIPs - The proposed COE will conduct a multi-site evaluation of HVIPs. Partner organization, Karna, will lead a multi-site evaluation of HVIPs across the three sites. The Evaluation team will work with the HVIP leadership and staff to:</p> <ul style="list-style-type: none"> Review and assess current data elements being collected and evaluate available information; Develop a core set of variables to be collected at all sites to measure program impact, such as changes in community-level rates of violence, reinjury, truancy, adherence to care, utilization of services, and recidivism to the Emergency Room; Identify unique datasets relevant to each site based on specific populations and community contexts; and Implement the evaluation plan to assess the process, impact, and outcomes of HVIPs in NYC. <p>This plan will include relevant information for replication of the HVIPs model in communities across the United States.</p> <p>Proposed Framework for Evaluation - Since KAVI's approach includes consideration of community, societal, and other</p>	Brooklyn, Kings County NY	\$750

environmental factors associated with interpersonal violence, our team will use the socio-ecological model to guide our evaluation. The proposed framework includes mixed methods using both qualitative and quantitative data collection. Data collected from interviews and surveys will involve snowball sampling to define the most representative sample of the target population. We will analyze qualitative data by using a combination of inductive and deductive analysis that would ensure the analysis is guided by the overarching research questions while also remaining open to the emergence of novel themes from the data. Primary sources of data intended to capture progress/changes on scale ratings (ordinal) and outcome metrics (continuous) will be analyzed using multivariate analyses, ANOVA, and other applicable quantitative methods. Using both qualitative and quantitative analyses for evaluation ensures a holistic approach to accurately capturing that the overall impact of the HVIPs through a standardized process. The intended framework for evaluating these diverse metrics is proposed as a means to better inform and guide future initiatives.

Gangstas Making Astronomical Community Changes Inc	The project request for federal funding supports mediation and mentorship programs and services youth and young adults as well as justice involved individuals.	Brooklyn, Kings County NY	\$300
Kings Against Violence Initiative, Inc.	King Against Violence Initiative, Inc. (KAVI) is a Brooklyn-based nonprofit organization that has been conducting a Hospital-based Violence Intervention Program targeting youth and young adults at Kings County Hospital Center. KAVI is requesting funding to support and expand its HVIP in response to the rapid increase in violence, particularly gun violence, in Brooklyn.	Brooklyn, New York NY	\$750
Hauptman-Woodward Medical Research Institute, Inc.	To enhance the first phase of Upstate New York's only Cryo-EM Center providing access to industry and academia to instrumentation able to elucidate the critical information necessary for biological material characterization, drug discovery, and design.	Buffalo, Erie County NY	\$1,312
University at Buffalo	WNY Drug Discovery Driven by UB's Center for Computational Research (CCR) proposes to utilize recent advances in artificial intelligence (AI) and high-power computing, pioneered by researchers at the University at Buffalo, to facilitate drug discovery through rapid development of hit and lead compounds in Buffalo, NY. Funds will be used to upgrade CCR, a leading national high performance computing center, to expand its drug discovery efforts. Upgrades to CCR will be critical not only to burgeoning work in AI-assisted drug discovery, but will also benefit leading researchers through access to the Center's throughput computing services. CCR is a critical resource for more than 160 faculty groups/1,000 users annually who conduct computational science and engineering research and education at UB, and is leveraged by countless industry, health and life sciences collaborators throughout WNY.	Buffalo, Erie County NY	\$1,000
City of Hornell	The City of Hornell Police Department is requesting funding for twenty-five digital portable radios to replace outdated analog radios, a digital repeater, and twelve security cameras to replace the failing outdated community cameras.	Hornell, Steuben County NY	\$135
City of Long Beach	The City of Long Beach Police Department is requesting \$1,063,000 in funding for a new centralized video intelligence and surveillance platform, an expanded camera system, and a technology buildout for a centralized mission control hub.	Long Beach, Nassau County NY	\$1,063
City of Long Beach	The City of Long Beach Police Department is requesting \$150,000 in funding for a new centralized analytics software program that integrates multiple in-house databases such as, but not limited to, records management, time and leave, NYS TraCs, and the parking enforcement system. The program pulls data from these independent sources into a centralized database, and based on historical data uses predictive analysis and artificial intelligence to better direct officers to the right locations at the right time, thereby reducing costs and increasing safety.	Long Beach, Nassau County NY	\$150

City of Middletown	The project is designed to assist the City of Middletown Police Department in meeting the diverse needs of our community, through the enhancement of technology and resources available to police personnel to respond to and deter criminal activity. As the field of law enforcement continues to advance, the need for police agencies to expand their capabilities and make better use of department assets is critical.	Middletown, Orange County NY	\$350
One Hundred Black Men of NY	The One Hundred Black Men (OHBM) intends to stimulate the economy, create new jobs, support entrepreneurship, and develop new business owners with the creation of The One Hundred Black Men Business and Entrepreneurship Centers, four 16-week cohorts of 40 students with the goal of training black men in basic business practices. This innovation is directed towards 18-29-year-old criminal justice involved Black men who often never find livable wage work opportunities after being touched by the criminal justice system. The program will serve 800 participants, which includes each borough hosting four 16-week cohorts of students with a goal of 25 students per cohort (500 in total).	New York, New York NY	\$4,990
Civic Hall Labs, Inc.	We are seeking capital support for Civic Hall @ Union Square, which is slated to open in late 2021 and will include a 45,000 square foot Tech Training Workforce Development Center with 20 state of the art classrooms, a collaborative workspace, and wrap-around support services that will be a center of gravity for tech employment and economic empowerment for at least 1,500 underserved New Yorkers, annually.	New York, New York NY	\$5,000
American Museum of Natural History	AMNH conducts vital research related to mitigating global climate change. This project addresses impending global ocean change to save the corals and their value to the economy by using High Resolution Computed tomography (HRCT) along with AMNH's extensive collection of Caribbean coral skeletons to reconstruct the calcification rates of coral colonies through time, identify changes in environmental conditions that shaped diversification of calcified skeletons throughout time, and provide a framework to understand evolutionary persistence of corals.	New York, New York NY	\$500
The Carnegie Hall Corporation	NeON Arts, a public-private partnership between the NYC Department of Probation and Carnegie Hall, is an award-winning, innovative program that infuses year-round arts programming into community-based resource networks in seven high-needs neighborhoods. The requested funding will support expenses for 25 twelve-week NeON Arts creative workshops selected by community stakeholder groups to serve approximately 600 youth ages 16-24. Expenses include payments to 50+ teaching artists, materials for workshops, and community outreach. The NeON Arts program is an arts and culture strategy embedded in NYC Probation's Neighborhood Opportunity Network (NeON) mode - a citywide place-based community justice reinvestment initiative, designed to build connections and opportunities for probation clients within their own communities. NeONs are community centers and resource hubs located in seven neighborhoods that are home to large numbers of young adults and juveniles on probation. At the heart of each NeON is a network of community-based organizations, government agencies, local businesses, and community residents working together to build safety nets of partnerships, connections, and resources to promote the success of people on probation and improve public safety and community well-being.	New York, New York NY	\$500
New York City Economic Development Corporation	Futureworks NYC Public Health Cohort will provide programming and resources to innovative hardware startups and manufacturers to commercialize technologies that would improve public health and increase industrial resiliency to mitigate future supply chain shocks. Funding would support operational expenses for programming, provide strategic capital to startups and mature SMEs to catalyze R&D and capital investments, and analyze critical NYC supply chains.	New York, New York NY	\$3,000

NYC Mayor's Office of Climate Resiliency	The Mayor's Office of Climate Resiliency (MOCR) is seeking funds to help City planners and local communities alike visualize the impacts of climate change on local communities. With high-quality data from the New York City Panel on Climate Change, MOCR will develop a platform that will allow people to use visualization tools, access data, and participate in community outreach and information sharing.	New York, New York NY	\$1,550
Harlem Mother Stop Another Violent End	Program operational expenses for direct holistic services to parents of murdered children that support their healing and the stabilization of the family unit.	New York, New York NY	\$50
New York City Economic Development Corporation	The requested funding will be used to pay for programmatic operating funds that will be used to facilitate matchmaking services between health-tech/digital-health companies & parties interested in purchasing health-tech/digital-health solutions (i.e. hospitals, long-term care facilities, insurance companies, etc.). The funds will also be used to fund pilot studies designed to encourage consumers to test out newer solutions.	New York, New York NY	\$1,000
New York City Mayor's Office of Immigrant Affairs	Funding for this project will be used for personnel at New York City law enforcement agencies that provide U and T visa Certifications, and operational costs to support timely processing of backlogged certification requests as well as outreach. Operational costs will include data management support, outreach materials, interpretation/translation, other outreach event costs.	New York, New York NY	\$500
NYC Mayor's Office of Climate Resiliency	The NYC Mayor's Office of Resiliency, the United States Geological Survey, the NYC Department of Environmental Protection, the NYC Department of Transportation, and the NYC Department of Parks and Recreation are seeking funds to perform integrated modeling of compound flood risks in coastal areas across the City.	New York, New York NY	\$1,500
New York City Economic Development Corporation	The Fashion Manufacturing Initiative 2.0 is a project that provides critical resources to support and modernize garment manufacturers throughout the 5 boroughs in NYC. These funds will pay for operational costs, provide funding to garment manufacturing businesses for new technology/machinery, capital improvements, and workforce training, as well as pay for a new pilot to reshore garment manufacturing from overseas (China and Europe).	New York, New York NY	\$1,200
Niagara Aerospace Museum	To purchase a full-scale replica of the Bell X-1, the aircraft, built in Niagara Falls, that Chuck Yeager flew to break the sound barrier on October 14, 1947/ The replica will be the centerpiece of the museum's exhibits and the highlight of events in 2022 commemorating the 75th anniversary of the record-breaking flight.	Niagara NY	\$300
Town of Niskayuna, New York	The Town of Niskayuna is requesting \$135,000 in Congressionally Directed Spending to purchase personal body cameras for police officers, equip police vehicles with car modules and dash cameras, license plate readers placed throughout the community, hardware, permits, infrastructure and storage, and training for personnel in the use of this technology.	Niskayuna, Schenectady County NY	\$135
Oswego County	When designated in 2022, a priority initiative of the Lake Ontario National Marine Sanctuary will be to highlight shipwrecks of the new sanctuary to the public. Allowing people to "visit" shipwreck sites without getting wet, we propose to create a 3D virtual museum. This project entails collecting high resolution imagery on every known shipwreck in the sanctuary, developing an online virtual museum, and creating virtual reality and augmented reality experiences. The products would be housed at partner visitor centers and museums, in addition to supplementing the Virtual Dives element of the National Marine Sanctuary System. These virtual dives would be supplemented with education materials. We are requesting that these funds be directed to the NOAA budget as additional funding for the Lake Ontario National Marine Sanctuary.	Oswego County NY	\$500

Oswego County	Scope of project is to upgrade camera control and monitoring software, replace failed cameras, replace outdated cameras, revise architecture as needed such that camera coverage is optimized, centralize archiving for efficiency and to provide remote access to partner law-enforcement agencies;(e.g., City of Oswego), and to add monitoring stations for more efficient internal administration of the system.	Oswego County NY	\$750
Oswego County	The Oswego County Sheriff' s Office is seeking to purchase Axon Body Cameras for all of the sworn members of its Road Patrol Division. This purchase is needed to fill a requirement which is a result of NYS 2021 Police Reform. he implementation of body-worn cameras will be used to support criminal and civil investigations, collect evidence, and document interactions between deputies and the public. The use of body-worn cameras has proven to be an invaluable tool for community policing in today's society.	Oswego County NY	\$448
City of Oswego	Our City Police department and city court house is located in an historic but aging facility. Many expensive upgrades, including HVAC replacement, are needed for both entity to function.	Oswego, Oswego County NY	\$750
Coastal Preservation Network	Coastal Preservation Network requests funding to stabilize and restore two public access platforms that are in dire need of repair on Flushing Bay, NY. There are currently very few sites where College Point residents can go and safely enjoy the views available in their coastal community; refurbishing these platforms would enhance safety and provide waterfront access to a community that has limited open spaces.	Queens, NYC NY	\$262
CNY Defense Alliance	The objective of SkyDome Trusted Smart-X Experimentation Environment is to build a reconfigurable area of interest such as a city block in a modern metropolitan area or airport creating a "living lab" that will facilitate experimenting with Cyber-Physical Systems (CPS) and Internet of Things (IoT) technologies. It will support connections and collaboration opportunities to the greater Griffiss Business and Technology Park (GBTP) including the AFRL Information Directorate, NY UAS Test Site, Innovare and the City of Rome's Smart City infrastructure to enable complex but compelling experiments.	Rome, Oneida County NY	\$200
Syracuse University	The Scalable Quantum-Classical Interface for Superconducting Quantum Processors project will develop the next steps toward the integration of a superconducting quantum array with a proximal SFQ-based coprocessor. The successful pursuit of this program will represent an aggressive step toward integration of a large-scale quantum processor with proximal digital control circuitry based on SFQ logic, a prerequisite for realization of low-latency feedback for quantum error correction. The proposed work aligns with the vision, goals and objectives of the National Quantum Initiative Act and leverages prior experimental achievements in array and coprocessor integration.	Syracuse, Onondaga County NY	\$500
City of Syracuse	Expansion of Body-worn camera program, allowing Syracuse Police Department to outfit an additional 14 sergeants. This expansion will put a BWC on all uniform officers and supervisors.	Syracuse, Onondaga County NY	\$140
Rensselaer Polytechnic Institute	Nuclear Magnetic Resonance spectroscopy is a very powerful technique to study physicochemical and structural properties of molecules. NMR methods offer invaluable insights across a broad spectrum of applications including advanced materials, pharmaceuticals, biotherapeutics, protein engineering, drug metabolism, and metabolomics. They are also a critical component of many quality control processes including the purity and identification of contaminants within reagents used in laboratories and public health samples such as water, food, and illicit drugs. The RPI NMR facility has been instrumental in several projects with high impact on state and federal public health. These projects, conducted in the NYS Capital Region, were enabled by the 600 MHz NMR facility - established at Rensselaer with funding from NYS Gen*NYS*sis program. This facility has become obsolete, NYS Gen*NYS*sis program has been discontinued, and universities, public health emergencies and industries now requires system enhancement of the NMR Facility to enable a Broad Spectrum of Applications including Advanced Materials, Protein Engineering, and Drug Discovery in the NYS Capital Region. This proposed request is to enhance and expand this capability in the NY Capital Region will assist public-private partnerships and work force	Troy, Rensselaer County NY	\$984

development areas of biopharmaceuticals, regenerative medicine and infectious disease research. Requested funds will be used exclusively to purchase the equipment that, due to the capabilities required for industry research and workforce training component, is not a funding priority by federal agencies (such as NIH, NSF) under traditional research infrastructure.

New York Medical College	This transformative program, in a graduate health sciences institution of higher learning, will enable female undergraduate students to apply their STEM education to cultivate new scientific concepts and launch new businesses and/or social ventures. The funding will directly facilitate this multidisciplinary entrepreneurship educational opportunity for our students and careers of our alumnae, who will make significant positive difference in the lives their communities across the country and around the world, and in the broader society.	Valhalla, Westchester County NY	\$1,500
Autism Society Of America Nassau Suffolk Chapter	Funds to be used to train First Responders(Police, Fire, EMT, School Personnel, Families, and others that may come into contact with individuals with autism and other disabilities during an emergency or call for service.) Funds requested for curriculum, materials, training, and equipment to help First Responders.	Wantagh, Nassau County NY	\$250
City of Watertown	The requested funds will be used to purchase body-worn and in-vehicle cameras for the City of Watertown's Police Department	Watertown, Jefferson County NY	\$98
County of Wayne: Sheriff's Office	Funding secured will help the Wayne County Sheriff's Office find lost children, rescue boats adrift and get first responders and support to people who need help in fields and forests by providing vehicles and equipment our personnel use to access remote terrain and waterways.	Wayne County NY	\$135
County of Westchester, NY	Capital improvements to expand the capability of the County's interoperable emergency communications system to operate in-building, county-wide.	Westchester County NY	\$5,000
Town of Amherst	Funding will be used for capital improvements and equipment to upgrade communications equipment along with bathroom and kitchen facilities which will provide the remaining elements necessary to accommodate a fully functional Emergency Operations Center (EOC) at the Amherst Community Policing and Training Center.	Williamsville, Erie NY	\$500