THE PATUXENT PARTNERSHIP
STRATEGIC PLAN

2021

OUR VISION

The Patuxent Partnership is the premier Southern Maryland organization promoting government, industry, and academic partnerships toward sustainable economic vitality and enhanced quality of life, while strengthening our nation's security.

OUR MISSION

TPP is a unique member organization that fosters collaboration among government, industry, and academia to strengthen the economic base of the region and to build a long term, self-sustaining program for workforce development. TPP facilitates connectivity among our partners to advance education, technology, science, and research through the exchange of ideas, information, and data.

WHO WE SERVE

The TPP network is made up of over 200 corporate members. TPP membership also includes six academic institutions, 19 government organizations, and 60 association affliliates. TPP brings together the key economic drivers in the community in Southern Maryland to collaborate on growth for our region.

PROGRAMS & SERVICES
TPP accomplishes its mission in four ways:

Advancing science and technology by promoting the research and development of technologies in government, private industry, and academia.

Advancing DoD warfighting needs and programs through the exchange of ideas, information, and data related to technologies; identifying and leveraging opportunities for commercialization and technical transfer of DoD interests such as autonomous systems and robotics; building a sustainable acquisition and/or economic development ecosystems.

Advancing education and the science and technology workforce through community based STEM (science, technology, engineering, and math) initiatives, grants, and academic partnerships and initiatives; and promoting networking among the communities of academia, industry, and government growing the region's intellectual capital and workforce capacity.

Promoting education and technology advancement through the Intergovernmental Personnel Act (IPA) program, which provides for the temporary assignment of personnel between federal and nonprofit organizations and benefits sponsoring organizations through collaboration, connections, and the strong working relationships developed in the IPA program.

OUR GOALS
2017 – 2021

1 Develop and strengthen community outreach and partner relationships in the region, deepening collaboration among member organizations to advance technology, science, research and development knowledge, effectiveness and capacity through collective action.

2 Advance STEM education and activities for our students and identify workforce development opportunities (including internships) and events to address the continually evolving needs of industry to attract and grow the next generation of science and technology workers.

3 Build on and expand the Intergovernmental Personnel Act (IPA) Program, strengthening relationships with sponsoring organizations.

4 Sustain and Strengthen TPP financial viability.

Background and Context

The Patuxent Partnership (TPP) seeks to sustain and expand the technology base of Southern Maryland (SoMD) by promoting regional technology capabilities, growing the region's intellectual capital and workforce capacity, and fostering effective collaborations among government, industry, and academia. TPP connects the constituencies to grow the region.

The economic landscape of SoMD is evolving. The Navy has been the key economic driver for several decades. Changing defense requirements have resulted in the building of a new "ecosystem" through identifying and leveraging commercial opportunities related to DoD; expanding R&D; and looking at the commercialization of DoD interests such as autonomous systems, and robotics.

This strategic plan flows from the vision, goals and guidance of the TPP Board and its Strategic Planning Committee.

It is intended to align with the strategic priorities of the Naval Air Systems Command (NAVAIR), the Naval Air Warfare Center Aircraft Division (NAWCAD), the technology community (Office of Naval Research, Federal Lab Research Consortium, and others), the K-12 public school systems across Southern Maryland, and local institutions of higher education, including St. Mary's College of Maryland, College of Southern Maryland, and the University of Maryland.

This plan is also intended to maximize TPP's ability to respond to the needs of the Southern Maryland contractor community and to utilize the vast knowledge network of TPP's cadre of senior level subject matter experts by engaging them in all TPP endeavors.

1. Strengthen outreach and partner relationships in the region, determining new ways to have government, industry, and academia (e.g., NAWCAD, NAVAIR, SMCM, UMD,ANA, MD Department of Commerce, etc.) work together to develop our ecosystem – advancing technology, science, research and development knowledge, effectiveness and capacity.

TPP promotes education and understanding—we 'connect the dots.' We educate and engage individuals around issues from economic development to national security. We strengthen the skills and experience needed to address effectively the changing needs of DOD constituents and the region. TPP plays a critical role in providing a framework, information, resources, education and support to fully realize the power to effect change.

Strategies:

A) Increase TPP outreach and increase collaboration and our network to strengthen and mobilize the community.

B) Sustain our robust series of programs to educate and inform, to facilitate access to key organizations, government leadership and others who will partner with industry to achieve success, aligning business and Navy missions. Specifically:

i. Initiate quarterly (or as needed) meetings with NAWCAD and NAVAIR to identify ways TPP may provide support.

ii. Maximize use of our Education Partnership Agreement with NAWCAD and St. Mary's College of Maryland.

iii. Develop long term formal relationships, e.g. STEM, inter-partnership programs, and broader DoD participation.

iv. Use cooperative agreements and other means to foster collaboration between NAWCAD/NAVAIR and the academic community.

C) Provide forums where programs are discussed openly across various private and public sector organizations, while recognizing the sensitivities of such discussions and avoiding any conflict of interest. Specifically:

i. Lead technology discussions with government, industry, and academic SMEs where key technical trends can be shared across the communities.

ii. Other outreach/new initiatives.

2. Advance STEM education and identify workforce development opportunities to address needs of Government and industry.

TPP collaborates with public and private academic organizations to advance STEM education and activities for our students. Studies show early engagement is critical to generating interest in STEM disciplines and developing the future workforce. TPP actively provides resources to, and participates in, programs and initiatives designed to stimulate interest and involvement in STEM.

Strategies:

A) Continue to develop STEM workforce development opportunities.

B) Promote STEM contributions in existing programs and member support.

C) Leverage "STEM for all" pipeline in collaboration with NAWCAD, SMCM, CSM, UMD and other organizations to deliver successfully new activities and outreach, as a platform for expansion. TPP was awarded a three year grant in excess of $850,000 from the Office of Naval Research, in support of cyber and UAS curriculum development, educational support in unmanned air systems, cyber security, augmented reality (ART), and research in classical sciences.

D) Increase STEM related grants by a minimum of one, every other year.

E) Evaluate the benefits of Science, Technology, Engineering, Art, and Mathematics (STEAM), as an enhancement to current STEM initiatives.

3 Build on and expand our IPA program.

TPP participation in the Intergovernmental Personnel Act (IPA) Mobility Program, which provides for the temporary assignment of personnel between the Federal Government and qualified providers and contributes to strong working relationships with federal agencies, is an important part of our work. Currently our IPAs are supporting the Office of the Secretary of Defense, TRADOC, EUCOM, the Office of Naval Research, Naval Postgraduate School, Homeland Security, NASA, Space and Naval Warfare Systems Command, NAVAIR, and the National Guard Bureau.

Strategies:

A) Expand our IPA program and increase the IPAs' participation in TPP programs and activities supporting NAWCAD/NAVAIR and DOD, Department of Homeland Security and other Government organizations, to assist and support our constituent communities.

B) Retain current IPA incumbents and work to increase our IPA positions each year.

C) Create additional opportunities for IPA networking to share knowledge, benefit sponsoring organizations, and to foster and leverage existing collaborative channels for the exchange of information, ideas, and services.

D) Convene IPA members in critical issue discussions and briefings with senior Navy leadership and other sponsor organizations and activities.

E) Deliver technical Information Meetings/Symposia on behalf of IPA sponsors such as EUCOM and NASA.

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4 Sustain and enhance TPP financial viability.

All TPP initiatives are dependent upon our ability to sustain and increase revenues.

Strategies:

A) Increase membership by 2% each year, expanding efforts beyond the region to include the greater DC metropolitan area, and other DoD hubs with NAVAIR interests (e.g. Aberdeen, Ft. Belvoir, Huntsville, Orlando, etc).

B) Expand the IPA program (see Goal 3).

C) Identify and apply for grants that support TPP mission and vision.

D) Develop/increase funded activities under the TPP/NAWCAD PIA.

E) Increase the number of paid programs.

F) Pilot a program that would be free to members, with a charge to non-members. If successful, continue the model.