

Annual Report 2022



Statewide Community Impact

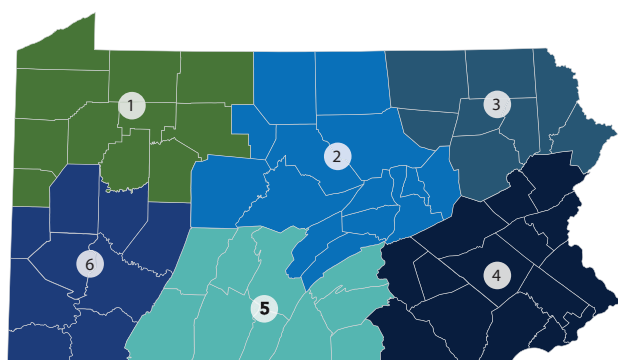
2022 marked the first full year PennTAP had six regional technical advisors embedded in local communities across the state. As a result, our advisors played a larger role in strengthening bridges between Penn State Commonwealth campuses and their surrounding communities, supporting economic development, innovation, and sustainability projects alongside local and University partners.

As an example, one of our technical advisors connected Harmony Turbines, a company manufacturing residential wind turbines, to a faculty member at Penn State Berks with shared research interests. The new-found collaborators were able to submit a project proposal and received over \$69,000 through the Manufacturing PA Innovation Program.

On the other side of the state, two of our advisors worked alongside Penn State Shenango campus

representatives and local resource partners to support the Valley Shenango Economic Development Corporation's renovation of a former Westinghouse Electric Corporate site into an aquaponics facility. The advisors helped the organization pursue alternative energy sources, apply for federal grant funding, and tap into additional Penn State resources for workforce development, strategic planning, and design assistance.

With many similar community-oriented cases from the past year alone, our advisors continue to successfully weave together the key resources small to mid-sized business owners need across PA. Whether those resources be energy, university, grant funding, or innovation-related, our team combines its diverse areas of expertise to ultimately serve Penn State's land grant mission and play a big role in statewide economic development.



Advisors by region

- | | |
|---|------------------------------------|
| 1. Heidi Shadeck, P.G. | 4. Rich Joyce, MBA, CSSGB |
| 2. Jenn Jones, CSSGB, CWEP, E.M.I.T. | 5. Amy Jorden, CSSGB, C.E.M. |
| 3. Krista Schneider, LEED Green Associate | 6. Alanna Colvin, MBA, C.E.M., EIT |

“

For me, the land-grant mission is about social mobility through education, economic development, and research that makes an impact — on our communities, Pennsylvania, and the world.”

— **Dr. Neeli Bendapudi**
President, Penn State University





SUCCESS STORY

“

My experience working with PennTAP has been amazing! They really care about local businesses and helping us to find better operational solutions. The connection to Penn State students PennTAP made for us has provided us with skill and knowledge that we didn't have internally. The overall experience has provided us with savings which increased our bottom line."

— **Ceceilia Jackson**
Owner, CeCe J's Snacks

Future Investment

PennTAP believes in building up and supporting the next generation's workforce. In 2022, PennTAP not only connected small to mid-sized businesses with Penn State student talent through Learning Factory projects and capstone courses, but also directly provided on-site assessment and project experience to undergraduate and graduate students at Penn State.

Over the course of 2022, PennTAP advisors mentored three graduate students who were able to complement their degrees with client-facing projects, including creating an action plan for small to medium-sized businesses to best approach Environmental, Social and Governance (ESG) considerations, designing the educational framework to help companies reduce energy usage, and reporting on PennTAP's positive economic and environmental impact.

BY THE NUMBERS

\$59,500

Total Grant Funding Provided to Learning Factory Project Sponsors

110 Penn State Learning Factory Students Engaged

22 Learning Factory Projects

20 Companies Awarded Grant Funding to Sponsor Learning Factory Projects



SUCCESS STORY

“

Working with PennTAP has been nothing short of incredible. The advisors took care of any questions, concerns or issues that arose immediately and made the entire process super easy for us. Highly recommend their work.”

— **Corey Wilt**
Owner, Cedar Grove Farm

Client Support

In 2022, PennTAP helped businesses across the Commonwealth reduce operating costs by improving the energy efficiency of their buildings and assisting with grant applications to offset the cost of the upgrades.

PennTAP's first no-cost Department of Energy (DOE)-sponsored PA Industry Energy Readiness Cohort came to a close in spring of 2022, with five different company site representatives completing training on DOE-developed

resources that supports their organization as they pursue their energy management path.

JLG, one of the participating companies and a leading manufacturer of lift equipment, not only became a DOE-recognized 50001 Ready certified company at the end of the program, but was also asked to present on a panel at the DOE Better Buildings, Better Plants Summit.

BY THE NUMBERS

\$11.4M*

Economic Benefit

*more than double the economic benefits in 2021!

1000+

Individuals Trained

40 Counties Served

85 Jobs Created or Saved

220+ Students Engaged

100 Client Cases

Sustainability Commitment

The technical assistance our advisors provide results in the reduction of energy use, water use, hazardous materials generation, and business costs. When clients implement PennTAP's sustainable and cost-effective strategies, the economy and overall sustainability of the surrounding community benefits. As a commonwealth-wide service provider, PennTAP is committed to aligning with nine UN Sustainable Development Goals as well as the Penn State Strategic Plan for Ensuring a Sustainable Future.

In 2022, PennTAP played a key educational role in supporting the Local Climate Action Program,

a partnership initiative of the PA Department of Environmental Protection, Penn State's Sustainability Institute, and Penn State's Department of Energy and Mineral Engineering. The program is designed to train and assist local officials and community stakeholders on how to inventory and reduce greenhouse gas emissions through an engaged planning process facilitated by Penn State and other university faculty, staff, and students.

PennTAP advisors continue to engage with regional municipal partners to assist them in meeting their sustainability goals and requirements for the program.



PROGRAM SUPPORT

PennTAP's success in 2022, and moving forward to 2023, was made possible through the support of the Appalachian Regional Commission (ARC), the U.S. Department of Energy, the five-year renewal of Penn State's U.S. Economic Development Administration (EDA) University Center status, the U.S. Environmental Protection Agency (EPA), the Pennsylvania Department of Community and Economic Development (DCED), the Pennsylvania Department of Environmental Protection (PA DEP), and the West Penn Power Sustainable Energy Fund (WPPSEF).



Pennsylvania Technical Assistance Program

Engage With An Office Near You

PennTAP – Penn State Behrend

5240 Knowledge Parkway
Lower Level
Erie, PA 16510
(814) 898-7563

PennTAP – University Park

200 Innovation Blvd, Suite 115
Technology Center Building
University Park, PA 16802
(814) 865-0427

PennTAP – Penn State Hazleton

76 University Drive
Slusser/Bayzick Building, Room 211
Hazleton, PA 18202
(570) 450-3099

PennTAP – Penn State Schuylkill

200 University Drive
Kiefer-Jones Building, Room 104
Schuylkill Haven, PA 17972
(570) 385-6276

PennTAP – Penn State New Kensington

The Corner
701 Fifth Avenue, Suite 106
New Kensington, PA 15068
(724) 757-2702

Learn more at penntap.psu.edu



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DEPARTMENT OF COMMUNITY
& ECONOMIC DEVELOPMENT

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