

Chevron

appalachia partnership initiative

supporting STEM education and workforce development in the tri-state region of pennsylvania, ohio and west virginia

The Appalachia Partnership Initiative (API) invests in programs that engage students in science, technology, engineering and math in preparation for careers in the region's high-demand occupations.

Support for post-secondary programs focuses on workforce development training, apprenticeships, and certifications in energy and advanced manufacturing industries.



science



technology



engineering



math

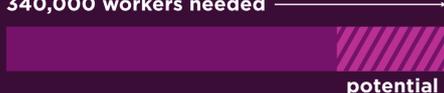
addressing challenges

a shortage of STEM-skilled workers to fill open and anticipated jobs



STEM-related fields have some of the highest demands for new workers and also command the highest pay.

340,000 workers needed



potential shortfall



Energy and advanced manufacturing companies must fill 5,000 job openings each year due to an aging workforce.

The tri-state region will need an additional 340,000 workers to fill jobs in the next 10 years. Almost a quarter of these jobs could go unfilled if younger workers are not equipped with skills aligned to available jobs.

a lack of understanding of the importance of STEM education, especially in rural areas



40% of parents polled in the tri-state area believe schools need to do more to prepare students for advanced technology jobs.



However, many parents and business leaders are unfamiliar with STEM education or think it is only relevant for students planning to attend four-year colleges.

investment

launched in 2014 with a five-year \$20 million commitment from Chevron, API is a collaboration of five regional organizations



Allegheny Conference on Community Development



CLAUDE WORTHINGTON BENEDUM FOUNDATION



CATALYST CONNECTION Your Strategic Partner for Manufacturing Growth



RAND CORPORATION

strategy

our goal is to engage, mobilize and catalyze a community of leaders across multiple sectors



education



workforce



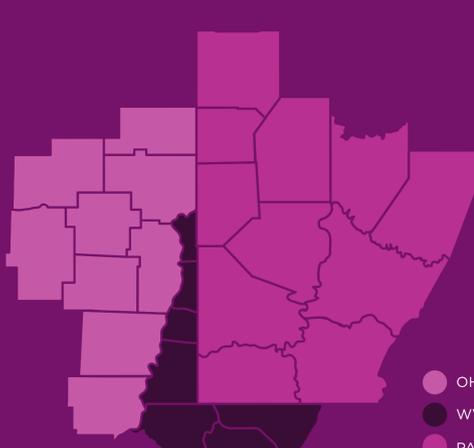
business



non-profit foundations



public funding



API focuses on 27 counties in pennsylvania, ohio and west virginia

This initiative aims to create multiple pathways for residents to access education, training and career opportunities.

A key strategy is to support innovative teaching and share expertise, curricula and technology across the region, with an emphasis on the inclusion of rural communities.

impact

API funding supports the region with sustainable access to a variety of STEM and workforce training programs



advancing stem education

Opportunities for real-world learning in manufacturing and energy give learners a unique connection between STEM in the classroom and potential future careers.

API programs like Project Lead the Way (\$2.4M invested to-date) provide students with opportunities for STEM learning, often in hands-on environments.



increasing technical skills

Students and adult learners gain quality training to prepare them for careers in energy and manufacturing.

For example, Catalyst Connection (\$424,000 invested to-date) supports apprenticeship programs in advanced manufacturing and supports professional development for educators interested in teaching students about the manufacturing industry.



engaging communities

API partners go beyond investing money; we also contribute volunteers and expertise to promote education and career awareness, evaluate our programs and learnings with leaders in the community.

API programs reach more than 90 public schools and post-secondary institutions, providing rural communities with access to high quality education and technology.

Economic development begins with education and training. API's commitment will continue to support the needs of industries and the future of the region.

sources

Allegheny Conference on Community Development (2016)
Carnegie Science Center (2014)
RAND Corporation (2017)