SmartMoves
for a Changing Region

EXECUTIVE SUMMARY
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Italiano
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中文
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Nepali
यो फाराम अनुरोध पहिए वैकल्पिक शॉर्ऱ्हुर्मा उपलब्ध छ। अनुरोध गरेमा बिन्नु शॉर्फ्ढ SPC ले अनुरोध र डोमाथे सेवा उपलब्ध गराउँछ। ध्य सङ्कारको लागि SPC (412) 391-5590 मा फोन गर्नुहोस्।

Sinhalese
කොළඹත්කොළඹ සැකසින් ප්‍රමාණ ආකාරයෙන් අගේන් පුළුළු. මෙම අඩුරවකාල වලින් මෙන් අදින් විදුලි පැරණිතම අඩංගු රාජීය අගේන් අදින් විදුලි පැරණිතම අඩංගු රාජීය අදින් විදුලි පැරණිතම අඩංගු රාජීය අදින් විදුලි පැරණිතම අඩංගු රාජීය.

Marathi
हा दस्तऐवज्य विनंतीनुसार पवित्री स्वरूपांतरे उपलब्ध आहे. विनंतीनुसार SPC भाषात आणि अद्वितीय सेवा विद्यमान प्रदान करत. अधिक माहितीसाठी कृपया SPC सा (412) 391-5590 देये कोल करा.

Bengali
অনুরোধ জানান এই ইন্টারনেট বিজ্ঞাপনটি খালাস করার জন্য।
অনুরোধ জানান SPC কর্তৃক চূড়ান্ত ঠিকাদারের অনুমতি এবং যোগ্যতা কর্তৃক পর্যবেক্ষণ করার জন্য।
আরও তথ্য জানা অনুরোধ করুন (412) 391-5590 নম্বরে SPC কে কল করুন।

Hindi
यह दस्तऐवज्य अनुरोध पर वैकल्पिक पॉर्टेट में उपलब्ध है।
एवम् यी सी (SPC) अनुमोदन और व्यक्तित्व सेवाएं अनुरोध पर विनाशकर्मी प्रतिनिधी।
कृपया अधिक जानकारी के लिए (412) 391-5590 पर एस यी सी (SPC) को कॉल करें।

Gujarati
આ દસ્તાવેજ વિનંતિ પર વૈકલ્પિક ફોર્મ માં ઉપલબ્ધ છે. SPC કેન્દ્રનો શુભ લિખા વિનંતિ પર અનુમતિ અને અધિકર્ણ સેવાઓ પૂરી પાડી શકે છે. વધુ માહિતી માટે કોલ કરો (412) 391-5590 પર SPCને કોલ કરો.

Oriya
ଏହି ଦେଖାଲକରନ ଶୂବଲଗାଉଣର ଉପରେ ଦେଖାଲକରନ ବନ୍ଦର. ଜାଣନା ବନ୍ଦର ଓଡ଼ିଶା ଜାଣନା ବନ୍ଦରକୁ (412) 391-5590 କୋ କୋଲ କରନ୍ତୁ।

Punjabi:
ਇਹ ਦਸਤਾਵੇਜ ਦੀ ਵਿਨੰਤੀ ਪੈਂਦਾ ਵੀ ਇਨਟਰਨੇਟ ਵਿਭਾਗ ਦੀ ਵਿਨੰਤੀ ਦਾ ਹਿੱਸਾ ਹੈ।
SPC ਨੇ ਇਸ ਲਈ ਬਹਿੱਸ ਦੇ ਦੇਲੀ ਅਘਰ ਸਾਹੁਬੀ ਦੇਲੀ ਸ਼ੰਕਰ ਦੀ ਵਿਨੰਤੀ ਨਾਲ ਮੁਹੂਰਤ ਵਧੇਂ।
ਸਾਈ ਮੋਹੰ ਲਿਖਹੀ ਵਿਨੰਤੀ ਕਰਨ ਵਾਲੇ SPC ਆਂ (412) 391-5590 ਲੋ ਕੋਲ ਕੋਲ।

Sindhi
درخواست چی مورلت و یہ سندری پیپل و سندیا ایم.
درخواست چی مورلت و SPC ترجمہ و ترجمہ جوں ملت خداوند فراغم.
سپہی انجری و ملکی معلومات لئے 412-391-5590 نئی کی حل کی رفع.

Urdu
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درخواست کی سے جانی پر ترجمہ جوں ترجمہ کی خدمات ملت فراغم کر کے ہے۔
مازید معلومات کیلئے SPC کو 391-5590 (412) پر کال کریں۔
# Southwestern Pennsylvania Commission

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**Vice Chairman:** Rich Fitzgerald  
**Secretary-Treasurer:** Tony Amadio  
**Executive Director:** James R. Hassinger

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### City of Pittsburgh
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- William Peduto  
- Mavis Rainey  
- Aurora Sharrard

### Pennsylvania Department of Transportation (2 Votes)
- Joseph Dubovi  
- Kevin McCullough  
- Cheryl Moon-Sirianni  
- James Ritzman  
- Joe Szczur

### U.S. Environmental Protection Agency*
- Laura Mohollen

### Federal Highway Administration*
- Alan Blahovec

### Federal Aviation Administration*
- Theresa Garcia-Crews

### Governor’s Office
- Jessica Walls-Lavelle

### Pennsylvania Department of Community & Economic Development
- Johnna Pro

### Port Authority of Allegheny County (1 Vote)
- Katharine Kelleman  
- Ed Typanski

### Transit Operators Committee
- Alan Blahovec

### U.S. Economic Development Administration*
- *Nonvoting Members

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The Regional Vision is a world-class, safe and well maintained, integrated transportation system that provides mobility for all, enables resilient communities, and supports a globally competitive economy.

Our region is changing. Our population is changing; our economy is changing; our environment is changing; our technology is changing. And the way we need to make things happen is changing. This regional plan focuses on the SmartMoves we can make to take charge of change and make our region a better place for all.
OUR REGION'S GOALS

CONNECTED MOBILITY
A world-class, safe and well maintained, integrated transportation system that provides mobility for all.

RESILIENT COMMUNITIES
The revitalization of our communities will make us a magnet for new investment. Intensive investments in connectivity, walkable neighborhoods, and green infrastructure will attract business and residents to newer and older communities alike.

GLOBALLY COMPETITIVE ECONOMY
Strategic infrastructure investments and workforce training will make the region recognized as a global leader in technology and innovation.
SmartMoves for a Changing Region

CREATING OPPORTUNITY
The Regional Vision means taking advantage of our considerable existing assets and developing, supporting, and implementing projects and programs that advance our progress. It means investing in regionally-connected, seamless transit, and new transit investments in key corridors and networks. It means developing modern support infrastructure that prepares the region not only for current technological advances, but also for the new technology being advanced in this region.

This plan is about creating and connecting people to opportunity.

The opportunity can be physical tangible connections like improved regional transit or enhanced broadband connectivity.

The opportunity can create connections to training for the jobs of the future that afford the region's workforce family-sustaining job opportunities in new and emerging industries.

The opportunity is about the region connecting with opportunities to invest in and take stewardship of our older communities, as well as investing in strategies that protect our environment and address climate change and resiliency.

Technology and innovation can be much more than self-driving cars and artificial intelligence, and it can work in rural as well as urban parts of the region. We envision innovative new farming techniques and technology deployment that will connect our entire region with high speed access to the internet, allowing our residents to work from anywhere and connecting them to global economic opportunities.

CATALYST FOR COLLABORATION
The region will continue to experience acute shocks and chronic stresses related to extreme weather, shifting demographics and workforce, and funding for critical infrastructure. We must adapt, and this plan should be used as a guide to proactively develop responses through collaboration, information exchange, and shared goals that are applicable in both urban and rural areas. This plan is to be used as a catalyst for collaboration that creates opportunity in the region.

ADVANCING THE VISION
SmartMoves contains Goals and Strategies for a wide breadth of community and economic development topics that are interrelated with the transportation system, as it directly supports and enables our communities and our economy to prosper. This plan continues to focus on core transportation investments such as maintaining our current system; optimizing our system through operational improvements; working toward Vision Zero by investing in safety for all system users; and providing equitable mobility options for all users through improvements in public transit and pedestrian and bicycle infrastructure.

The plan describes the overall strategic Vision for the region’s transportation system and also, as required by federal regulations, describes the specific projects and investments that can be advanced with revenues that are reasonably expected to be available during the life of the plan (Appendix IV).

This plan also includes a set of multimodal projects and initiatives to modernize and expand our transportation system (Appendix IV) that are in various stages of the planning process, and at this time, do not have funding identified for implementation. All of these projects and initiatives contribute to the Regional Vision. The Strategies and Actions contained in the subsequent sections of this plan, coupled with the ongoing planning efforts already underway in the region, will not only help to guide the development of these projects, but also help to identify partnerships and opportunities for collaboration to assist in implementing the Vision and the plan.
SmartMoves recognizes that as things change, our transportation and mobility needs will also change and will likely continue to change significantly within the horizon of the plan – 2045. This plan also recognizes that we already don’t have enough funding to maintain and optimize our current system at a comprehensive level, or to implement all of the transformative projects the region needs to achieve the Regional Vision.

**SmartMoves** is the region’s official plan authorized by the federal government that directly attaches real funding to real projects that will be advanced in Southwestern Pennsylvania.

The Vision for the region’s transportation system includes major expansion to the region’s public transportation network including expansion of high quality service from Downtown Pittsburgh to the Airport, the north, the eastern suburbs, the Mon-Valley, and points beyond. The plan sets the stage to better coordinate service among our region’s 10 public transit agencies in order to facilitate seamless linkages with other first and last-mile modes of transportation. This Vision also includes new transit centers and improved transit stops, as well as resources for local governments to implement complete streets improvements that connect where we live to where we work and play.

**Transit:**
- Equitable, seamless linkages between the region’s public transit services.
- Expansion of frequent, high quality service from Downtown Pittsburgh to the East, West, North, and South, Pittsburgh International Airport, and Oakland.

**Active Transportation:**
- Completion of the regional trail network.
- Connect the arterial trail network to communities and local active transportation networks.

**Roadways:**
- A network of safe, well maintained, and modern highways and bridges across all tiers of the highway system.
- Implementation of context based street design.

**VISION TO ACTION**
Each of our 3 Major Goals rising from our Vision have Strategies associated with them that set the context for more specific projects, initiatives, and actions that are critical for the success of the changing Southwestern Pennsylvania region. These Goals and Strategies are interrelated and strive to connect the dots between the region, its residents, and opportunity.

This plan transparently depicts how investments advance the Strategies, and, in some cases, how the Strategies can enhance the investments - ultimately working together to achieve the Major Goals and the Regional Vision.

**SMARTMOVES ENVISIONS:**

- **Major projects** that maintain our existing system while also **enhancing safety, accessibility, mobility, and connectivity** across the region.
- **Major expansions** of **communications technology** to our rural communities.
- Coming together as a region to **address climate change**.
- Working collaboratively to find **sustainable revenues for transportation** infrastructure.
- Investment in, and revitalization of, the region’s communities to reinforce the **sustainability of our towns and neighborhoods**.
SmartMoves for a Changing Region

ACTIVE TRANSPORTATION
This plan envisions that expanded local and regional active transportation facilities are considered whenever roads or bridges are rehabilitated or reconstructed. Connecting major regional trail networks to one another and to local facilities, enabling safe, seamless travel by active transportation modes across the region, is a priority. Supported by the region’s Active Transportation Plan, SmartMoves envisions collaboration among local governments and other stakeholders to implement complete streets policies in communities across the region. This entails education on best practices and the benefits of complete streets to communities, the economy, and the overall health and safety of the region’s residents. This plan sets aside significant funds to implement projects that advance active transportation, link land use and transportation planning, expand transit options, revitalize communities, and improve air quality.

IMPROVED MOBILITY
The Vision includes well maintained roadways and bridges that are safe for all users. SmartMoves makes significant investments in improving mobility conditions, safety, and operations. The use of new and emerging technologies in operations, design, construction methodologies, and materials will be critical moving into the future, allowing us to maximize use of our limited state and federal funds. The modernization of our Interstate highways through interchange reconfigurations and upgrades will ensure the safe and reliable movement of people and goods throughout the region and beyond. Corridors of regional significance will be maintained and improved to facilitate the safe and efficient movement of people and goods. These improvements range from maintenance of current infrastructure to the complete reconstruction and upgrading of high priority corridors. Once these projects are ready to program on the Transportation Improvement Program, (TIP) – the implementation vehicle of the Long Range Plan, SPC will work with the PennDOT Connects process to ensure that local governments, transit providers and other stakeholders have the opportunity to shape the improvements in their communities.
Advancing the Vision: Projects

Our Regional Vision
A world-class, safe and well maintained, integrated transportation system that provides mobility for all, enables resilient communities, and supports a globally competitive economy.

Example Projects for: Transit
• Downtown to Oakland Bus Rapid Transit (BRT)*
• West Busway BRT Extension to Pittsburgh International Airport
• East Busway Extension to the East Suburbs and Mon-Valley
• Establish Regional Transit Centers at Key Locations throughout the Region
• Expanded Regional Park-n-Ride Capacity*

Strategies Advanced:
• Equitable Access
• Emerging Technology
• Public Transit

Example Projects for: Active Transportation
• I-579 CAP*
• Three Rivers Heritage Trail to Freeport*
• Sheepskin Trail from Mon-River Trail to Great Allegheny Passage (GAP)*
• Westmoreland Heritage Trail to GAP*
• Hoodlebug Trail to Blairsville*
• Ohio River Trail from McKees Rocks through Beaver County to Ohio

Strategies Advanced:
• Reinvest in Communities
• Sustainability
• Clean Air

Example Projects for: Roadways
• U.S. Route 30 Modernization*
• PA Turnpike Cashless Tolling Interchanges (Routes 130, 981, 910)
• State Route 228 Modernization and Capacity Upgrades*
• State Route 885/Second Ave Corridor Improvements
• Monaca Gateway Corridor Improvements*
• East Carson Street Mobility and Safety Improvements*

Strategies Advanced:
• Infrastructure
• Prioritize and Streamline
• Smart Technology

*Project or portion of project is under development and is funded in TIP and/or LRP
CONNECTED MOBILITY

Goal:
A world-class, safe and well maintained, integrated transportation system that provides mobility for all.

Themes:
• Mobility for All: Equity Keeps Us Whole
• High Tech Mobility: Connected and Autonomous Vehicles
• Funding and Financing: Sustainable Funding
• Prioritize and Streamline: Faster Project Development and Delivery
Connected Mobility
Mobility for All
• Equitable Access

High Tech Mobility
• Modernize Supporting Infrastructure

Funding and Financing
• Sustainable Public Transit Funding
• Public Transit Equity

Prioritize and Streamline
• Coordinated Investment

Resilient Communities
Reinvest in Communities
• Promote Investment
• Utilize Incentives and Regulations

Globally Competitive Economy
Infrastructure
• Public/Private Partnerships

Emerging Technologies
• Identify Emerging Technologies
• Connected and Autonomous Vehicles

Illustration: Regional Transit Center
Sustainable revenues to adequately fund public infrastructure and programs are critical in advancing the Vision and Goals of SmartMoves. A stable, predictable revenue stream will allow us to accurately predict future funding levels and advance priority projects in a timely manner. However, in order to deliver the type of transformative projects the region desires, additional and sustainable sources of revenue will be necessary. To address the need for additional revenues, an ongoing, collaborative effort across both the public and private sectors is essential for delivering a strong message that conveys the benefits of infrastructure investments to the regional economy and community livability.

When planning for transportation investments, the region must consider not just the transportation benefits, but also how well the improvements fit the context of the surrounding community it serves. The transportation system must be considered as a whole, rather than a series of separate networks. Involving the community in the early stages of the project development process will not only help to identify community needs and goals, but also assist in the delivery of projects by considering all factors before project design begins. This collaboration, along with strong partnerships between all parties involved, will assist in efficiently delivering projects, thereby enabling the region to capture as much state and federal funding as possible.

EQUITY KEEPS US WHOLE

The future holds great opportunities to achieve seamless mobility across the Southwestern Pennsylvania region. The widespread use of smart phones and high speed internet connections enable us to become a more connected society and use multiple mobility options, even for a single-purpose trip.

• Integrate multiple forms of public/private transportation to provide increased mobility equitably for all users including those in underserved rural areas and disadvantaged populations.

In order to achieve equity in transportation, strategies aimed at helping communities get the investments necessary to spur mobility need to be well-planned, smartly developed, and effectively implemented. The region-wide transportation network envisioned in this plan includes multiple travel options that not only meet universally-accepted expectations, but also support the health, mobility, activity, and participation of people across their lifespan.

HIGH TECH: CONNECTED AND AUTONOMOUS VEHICLES

Technology is reshaping the transportation system as we know it. Emerging technologies in mobility are being developed at a rapid pace that will likely continue to do so for many years to come. The region must be nimble and forward-thinking to anticipate and embrace these technologies, as they will play a role in where we live, how we move, and where we work. Partnerships between the public and private sectors, along with our academic institutions, are critical in recognizing and proactively addressing the potential impacts that technology will have in terms of safety, equity, land use, and public sector revenue.

• Develop and deploy appropriate infrastructure to facilitate safe and efficient use of Connected Infrastructure as well as Connected and Autonomous Vehicles (CAVs).

• Offset impacts associated with Connected and Autonomous Vehicles on safety, public sector revenue, congestion, and local quality of life.
FUNDING AND FINANCING: SUSTAINABLE FUNDING

Stable, reliable funding for infrastructure is critical to the quality of life and economic vitality of Southwestern Pennsylvania. Without predictable funding commitments at all levels, it will become more difficult to maintain our existing system at acceptable levels, invest in new projects and transit services, and to further develop our regional trail networks.

Revenues from the federal Highway Trust Fund are declining due to reduced fuel consumption, popularity of electric vehicles, and the continuing reduction in buying power from the state and federal gas tax, which means that new revenue tools may be necessary to fund infrastructure improvements.

In order to address this funding disparity, additional revenue sources will be needed and, in many cases, support from a variety of stakeholders, including the private sector and the public, will be critical in establishing and sustaining these sources. To assemble this support, a robust educational outreach campaign centered on public infrastructure and its benefits to the economy and communities will be needed.

- Fund additional transportation infrastructure through private sector partnerships, user fees, value capture, and other appropriate mechanisms;
- Broaden revenue tools available to local governments to fund infrastructure projects;
- Conduct education on the need for revenue increases as a continuing process, not a “one and done” endeavor; and garner overall understanding of public infrastructure benefits, needs, and subsequent support for needed infrastructure revenues;
- Develop a comprehensive regional plan for public transit connections, including the identification of a possible regional source for dedicated public transit funding to facilitate seamless linkages and cooperation across the region.

PRIORITIZE AND STREAMLINE: FASTER PROJECT DEVELOPMENT AND DELIVERY

The region’s transportation network must function as an integrated system rather than a series of unrelated networks. It is imperative that the transportation agencies responsible for planning, implementing, and maintaining different components of the transportation system work in concert to give the region the opportunity to make mobility choices.

Not only do we need to continue to prioritize investment based on performance criteria at the corridor level, we also need to consider the context of each community in order to create genuine, livable places, emphasizing complete streets with a variety of mobility options. It is crucial to work toward the same shared goals of this plan, realizing that solutions to mobility are not one-size-fits-all and will look different across the urban, suburban, and rural areas of the region. Partnerships between transportation agencies, local governments, and the private sector are essential to this effort.

- Employ holistic planning for mobility and accessibility when developing and prioritizing projects. Make transportation improvements fit community context and enhance local quality of life.
- Employ holistic planning for mobility and accessibility when developing and prioritizing projects. Make transportation improvements fit community context and enhance local quality of life.
**Connected Mobility**

*Mobility for All*
- Equitable Access

**Prioritize and Streamline**
- Coordinated Investment

**Resilient Communities**

*Reinvest in Communities*
- Promote Investment
- Utilize Incentives and Regulations

**Clean Water Strategy**

*Promote Best Practices*
- Integrated Water Resource Management Approach
- Create Incentives for Stormwater Management

**Globally Competitive Economy**

*Infrastructure*
- Public/Private Partnerships

Illustration: McKean Avenue, Charleroi
Resilient Communities

Goal:
The revitalization of our communities will make us a magnet for new investment. Intensive investments in connectivity, walkable neighborhoods, and green infrastructure will attract business and residents to newer and older communities alike.

Themes:
- Resilient Communities: Elevate Community
- Tackle Climate Change, Air, and Water: The Earth Sustains Us
Resilient Communities

The livability and sustainability of our communities is a priority. Intensive investments in connectivity, safe walkable neighborhoods, and green infrastructure will attract business and residents and provide opportunities for the communities of the region to flourish. Attractive, affordable housing, close to jobs and services in livable communities that are accessible by public transportation, are essential components to ensure residents are afforded equitable access to opportunity and that we are able to retain current businesses. These same attributes will help communities attract new residents and businesses.

All communities need to be well served by high-speed broadband to ensure all of Southwestern Pennsylvania is able to participate in a changing, data-driven economy, and children throughout the region have access to all of the educational opportunities of the increasingly digital world. The provision of education affords opportunity for individuals to build successful lives and communities to achieve economic prosperity.

Working together to promote and implement best practices in land use policy, community development, transportation planning, and leveraging private sector development will help communities and the region as a whole to create unique, livable areas with a sense of place that are accessible for all residents. These places will be nimble and able to proactively plan for uncertain conditions, as well as able to adapt and overcome acute shocks and chronic stresses, creating 21st century communities that are prepared for the future.

ELEVATE COMMUNITY

Investment and reinvestment into the region’s existing communities is absolutely critical in creating and sustaining livable communities. Southwestern Pennsylvania is home to communities of all sizes, from the densely populated urban core of the City of Pittsburgh and its suburbs to smaller cities, towns, and villages and sparsely populated rural areas. Each of these places is unique and has a story to tell. Through vision, collaboration, and sound community planning, the stories of these communities can be heard.

With sound community and transportation planning, vacant properties and gray/brownfield sites can be used to spur community development and revitalization. The adaptive reuse of vacant residential, commercial, and industrial properties can help to reduce crime rates, increase the tax base, and combat population loss. While vacant properties have plagued many industrial cities and towns, they pose a unique opportunity for local government officials, community organizations, and residents to transform blighted and underutilized properties into vibrant assets that provide attractive, walkable, transit-friendly communities with complete streets and affordable housing options that will help retain current and attract new residents and businesses. By utilizing public policy incentives and lessons learned from other successful post-industrial communities, we can utilize these properties to benefit communities and region at large.

- Promote institutional investment in older communities, repurposing versus demolition, and ensure that affordable housing is retained utilizing best practice models in the region for land use, vacant properties, and environmental strategies.
- Provide municipal education on land use best practices, Smart Growth principles, community development, transportation planning, and on existing mechanisms to leverage private sector development.
• Embrace and expand emerging infrastructure innovations and technologies including planning, design, materials, and construction processes for a more adaptable and resilient built environment.

• Promote strategic infrastructure investment in communities that reduces physical exposure and vulnerability from natural hazards, including flooding and landslides.

TACKLE CLIMATE CHANGE, AIR, AND WATER: THE EARTH SUSTAINS US

Climate change is defined as a significant change in the measures of climate, such as temperature, rainfall, or wind, lasting for an extended period – decades or longer. Combating these changes is a multifaceted, multi-agency endeavor. A broad coalition of stakeholders is needed to identify local/regional risks and tailor strategies in order to achieve the greatest benefit to air quality and the environment. The Commonwealth of Pennsylvania and the City of Pittsburgh both have recently developed Climate Action Plans (CAPs), which could serve as a foundation for a regional plan.

The region’s natural resources are its greatest asset. These resources contribute to the environmental health as well as the economic health of our region. Conservation is key critical to the long term sustainability of those contributions. Southwestern Pennsylvania is home to one of the Commonwealth’s seven Conservation Landscapes, the Laurel Highlands. Conservation Landscapes are regions bound together by a shared sense of place and identity that come together collaboratively to drive strategic investment and actions around sustainability, conservation, community revitalization, and recreational projects. These collaborations are found in regions where there are strong natural assets, local readiness and buy-in, and state-level investment and support.

• Invest in strategies that adapt to and decelerate the impacts of climate change. This includes investment in disaster preparedness, response, and recovery, as well as creating awareness about climate change, its projected impacts, and regional strategies.

• Conservation of the region’s natural resource assets and key tracts of land enhances environmental quality, natural land connectivity, habitat corridors, and agricultural lands preservation, and provides recreational opportunities for residents and tourists.

• Promote and support sustainable regional water resource management and planning for water topics such as stormwater, flooding, water quantity, water quality, and infrastructure systems.

• Support and encourage transportation projects and programs that will contribute to attainment or maintenance of the national ambient air quality standards (NAAQS) for ozone, carbon monoxide (CO), and particulate matter (PM).
GLOBALLY COMPETITIVE ECONOMY

Goal: Strategic infrastructure investments and workforce training will make the region recognized as a global leader in technology and innovation.

Themes:
• Grow, Train, and Retrain: Workforce For Change
• Prioritize, Improve, and Support: Infrastructure Supports Us
• Partner and Deploy: Technology Advances Us
Connected Mobility
Mobility for All
• Equitable Access
Funding and Financing
• Sustainable Public Transit Funding
Prioritize and Streamline
• Coordinated Investment

Resilient Communities
Reinvest in Communities
• Promote Investment
• Utilize Incentives and Regulations

Clean Water Strategy
• Promote Best Practices

Globally Competitive Economy
Infrastructure
• Public/Private Partnerships

Emerging Technologies
• Identify Emerging Technologies
• Connected and Autonomous Vehicles

Illustration: Second Avenue, Hazlewood
Globally Competitive Economy

As the region looks to the future and the economic opportunities it can provide to its residents, it will need to make SmartMoves to maximize opportunities. Actively addressing workforce, infrastructure, energy, and technology are critical to ensuring the entire region can reach its potential for everyone to have equal opportunities for success. How we approach workforce to match skills and meet demand; how we transform our infrastructure into an asset rather than a risk; how quickly and widely we adopt and deploy existing and new technologies; and, how we capitalize on the energy sector will determine if this region is globally competitive. The answers rely on us making SmartMoves for strategic infrastructure investments and workforce training that will make the region recognized as a global leader in technology and innovation.

GROW, TRAIN, AND RETRAIN: WORKFORCE FOR CHANGE

Building a diverse local workforce to meet the demand for highly skilled talent across sectors is critical. Growing the size of the candidate market and ensuring it has the soft skills needed to meet the 21st century expectations of a modern workforce through training and retraining is also crucial.

The region may not have enough eligible workforce candidates to fill the jobs of the future. For the region to be successful it will require that we form what may be seen as non-traditional partnerships for action. The Vision seeks to increase the size of the region’s workforce in general and for the sectors and occupations of high demand through traditional and new innovative actions.

The region’s workforce will need continuous training and retraining beginning in high school through college and continuing to incumbent workers. The region will need to prepare the workforce for emerging industry demands in growing future industries like Additive Manufacturing and Artificial Intelligence. Industry 4.0 will require different skills and we need to prepare the region’s workforce to remain competitive.

• Grow job candidate market through initiatives such promoting the benefits of skilled labor positions, workforce reintegration of individuals with minor criminal records or previous drug use, recruitment and retention, and immigration.
• Train and/or retrain employees and new college graduates for the jobs in the region and train for emerging technology opportunities, like Additive Manufacturing and Artificial Intelligence.
• Prioritize soft skills in training curriculums and provide flexible and easy to use funding for an on-the-job training approach geared to emerging and new technologies.

PRIORITIZE, IMPROVE, AND SUPPORT: INFRASTRUCTURE SUPPORTS US

Keeping our aging public infrastructure in a state of good repair is necessary to support growth in the region, but it is just as important that we build the infrastructure of the future. Prioritizing infrastructure that provides for economic success, including embracing innovation and technology
to improve its efficiency, and supporting projects that maximize the local use of the locally derived energy industry, such as the Appalachian Storage Hub, is vital to the future of the region.

Infrastructure plays a vital role in the economy of a region. This Strategy is focused on reducing the cost and maximizing the benefit of infrastructure through the use of technology. From the material sciences to artificial intelligence, emerging technologies can change the economics of infrastructure investments to provide maximum benefit.

According to the American Chemistry Council (ACC), the Appalachian region has the potential to become a major petrochemical and plastic resin-producing region. The Vision supports the development of a storage hub in the region to take maximum advantage of locally-sourced natural gas liquids.

• Prioritize infrastructure projects based on their regional economic benefits, with emphasis on projects that promote the local utilization of energy and industry output.

• Improve infrastructure efficiency through technology implementation in project development, design, construction, operation, and maintenance.

• Support the identification and development of an Appalachian Storage Hub to promote the local use of locally-derived ethane feedstock.

PARTNER AND DEPLOY: TECHNOLOGY ADVANCES US

Rapidly advancing technology affects all aspects of the economy from infrastructure and mobility to advanced manufacturing, to healthcare, retail, and the service industry. Fast paced technology identification, deployment, and adoption across all sectors will give the region a competitive advantage. Ensuring that the entire region is provided equal access to high speed internet connectivity is essential to prevent residents and communities from being left behind.

Innovation and technology continue to change the way industries, companies, businesses, and individuals communicate and perform. Active partnerships are needed to identify new technologies and assess their relevance to keep this region at the cutting edge of technological innovation.

Everything from commerce to education relies on access to high speed internet service. Providing high speed internet access to our entire region will help make communities economically competitive and able to participate in the global economy.

• Utilize public/private partnerships to leverage private sector participation to identify, track, develop, and deploy new technology advancements across the region. This includes communications, manufacturing, and mobility.

• Provide high speed internet connectivity and availability everywhere through public policies, funding or incentives. Use existing transportation corridors to facilitate delivery of broadband throughout the region.
Strategies at Work

**Connected Mobility**
Funding and Financing
- Regional Collaboration
**Prioritize and Streamline**
- Promote Collaboration

**Resilient Communities**
Elevate Communities
- Pursue Innovative Ideas and Solutions

**Sustainability**
- Valuing our Natural Resources

**Natural Resources**
- Promote Natural Resources for Recreation

**Clean Water Strategy**
- Integrated Water Resource Management Approach

**Globally Competitive Economy**
Infrastructure
- Public/Private Partnerships

Illustration: Three Rivers Heritage Trail, Etna
The Southwestern Pennsylvania Commission (SPC) is the designated Metropolitan Planning Organization (MPO), Local Development District (LDD), and Economic Development District (EDD) for Southwestern Pennsylvania. In these roles, SPC is the leader in regional planning for Southwestern Pennsylvania and is charged with developing both the regional long range transportation plan and the comprehensive economic development strategy. While mandated by different federal regulations, SmartMoves for a Changing Region integrates these into a coordinated regional program of projects and actions that are guided by the principle that the relationships between our communities, economic development, and the region’s transportation system are interconnected, interdependent, and fundamental to the success of Southwestern Pennsylvania. SPC works with multiple planning partners at the federal, state, regional, and local levels on programs and projects that move the Regional Vision, Major Goals, and Strategies forward.

SPC’s planning area encompasses the ten counties of Southwestern Pennsylvania and their connections to points beyond the region. The planning process addresses surface transportation needs for roadways, bridges, and public transit; travel by automobile, truck, buses, trains, bicycle, or walking; issues with safety, accessibility, and mobility; and, access to work, school, shopping, recreation, and our homes.

The long range plan is one of the core products of SPC’s cooperative, coordinated transportation planning process. In Summer 2017, the SPC Executive Committee charged the region’s county planning directors to create a Long Range Plan Task Force with diverse expertise to develop a new planning process. Based on direction from the Task Force, SPC developed Expert Resource Panels to identify and examine trends and Forces of Change that are impacting the region today and will continue to impact the region in the future. SPC staff, working with the planning directors, took the direction and feedback given by its Task Force, and advanced the new planning process to create a holistic, state of the practice plan that will enable the region to collaboratively work together and advance Southwestern Pennsylvania forward.

At the direction of the SPC Executive Committee, the Regional Policy Advisory Committee, and the Commission as a whole, we worked collaboratively with stakeholders and the public throughout the region to create a Regional Vision, Goals, and Strategies that move the region forward in a holistic positive direction. These Strategies, along with the foundation of the Ten Federal Planning Factors and the National Performance Goals, guide the investments and priorities for state and federal transportation investments over the next 25 years. This will ensure the projects and programs contained in the plan will work in concert to assist the Southwestern Pennsylvania region achieve its desired vision for the future.
There were two rounds of ten public meetings held – one in Fall 2018 to gather input on the plan and one in Spring 2019 to present the draft plan.

### PUBLIC ENGAGEMENT

<table>
<thead>
<tr>
<th>Email Contacts</th>
<th>5,000+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Survey Participants</td>
<td>2,000</td>
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### SOCIAL MEDIA PRESENCE

| Social Media Comments | 2,978 |
| SmartMoves Web Page Views | 2,200 |
| SmartMoves Video Views | 800 |

### COLLABORATION

| Regional Plan Workshop Participants | 309 |
| Public Meetings | 198 |
| Panel Participants | 128 |

### MEDIA EXPOSURE

| Newspaper Articles | 12 |
| Radio Ads | 3 |

Public engagement throughout the development of the long range plan provides important opportunities for the public, planning partners, and interested parties to share information, ideas, needs, and priorities as we work together to build our region’s future. SPC’s Public Participation Program offers a variety of opportunities for any interested party to engage in the regional transportation planning process. SPC brings planning directly to our member counties through Public Participation Panels, which are comprised of more than 300 individuals reflecting the demographic diversity, needs, and concerns of communities throughout our 10-county region. The Panels help to conduct outreach, identify needs and resources, suggest alternatives, and assist in the evaluation of implementation strategies in the planning process. The Panels hosted public meetings in each of our 10 counties throughout the process. The SPC public participation process is outlined and detailed in its adopted Public Participation Plan.
**SmartMoves for a Changing Region** defines the Regional Vision and Major Goals and Strategies developed through a collaborative regional planning process that identifies transportation, community, and economic development needs and priorities. Transportation focused strategies, resulting in infrastructure improvement projects and related programs are implemented in a number of ways, primarily through the Transportation Improvement Program (TIP), which provides the bulk of the region's transportation investment funds. These TIP programs are supplemented by other federal, state and local transportation investments, including those made by the US Department of Transportation, the Appalachian Regional Commission, the Pennsylvania Turnpike Commission and PennDOT’s Central Office in Harrisburg. The regional TIP (and statewide STIP) is updated on a regular basis to reflect current funding levels and priorities.

SPC’s Unified Planning Work Program (UPWP) identifies transportation planning priorities and activities that will be carried out each year, including the implementation of specific Strategies and Actions contained in this plan. Federal transportation legislation authorizes planning funds so that regional planning organizations are able to fulfill the federal planning requirements (23 U.S.C. 134 and 135, 49 U.S.C. 5303-5304, and 23 CFR part 450) and to conduct the regional transportation planning that advances local priorities set forth in the long range planning process. The tasks to update federally required planning and programming documents such as the TIP, the Congestion Management Process, the Human Services Coordinated Transportation Plan, and the region’s Safety Action Plan and the Regional Operations Plan are identified.

Also identified are the tasks to be undertaken and the partners needed to advance the implementation of specific Strategies and Actions depicted in previous sections of this plan. Example tasks to implement the Strategies could include initiatives such as creating holistic visions for corridors of regional significance; the development of a best practices resource center; development of a regional plan to tackle climate change; planning to revitalize communities throughout the region; conducting public outreach to raise awareness of the need for increased transportation funding and the public benefits therein; and the examination of how to increase coordination and linkages between regional transit providers.

SPC intends on continuing the broad collaboration and engagement conducted during this long range plan development process to develop the projects, programs, and initiatives that will be advanced through regional partnerships across Southwestern Pennsylvania.
The Southwestern Pennsylvania Commission (SPC) hereby gives public notice that it is the policy of the Commission to assure full compliance with Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987, Executive Order 12898 on Environmental Justice, and related statutes and regulations in all programs and activities. Title VI and other related statutes require that no person in the United States of America shall, on the grounds of race, color, sex, national origin, age, or disability, be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which SPC receives federal financial assistance. Any person who believes they have been aggrieved by an unlawful discriminatory practice by SPC under Title VI has a right to file a formal complaint with the Commission. Any such complaint must be in writing and filed with SPC’s Title VI Coordinator within one hundred eighty (180) days following the date of the alleged discriminatory occurrence. For more information, or to obtain a Title VI Discrimination Complaint Form, please see our website at: www.spcregion.org or call 412-391-5590.