



# 2018 Annual CEDS Report



The Pioneer Valley Plan for Progress

## The Region's Comprehensive Economic Development Strategy (CEDS)

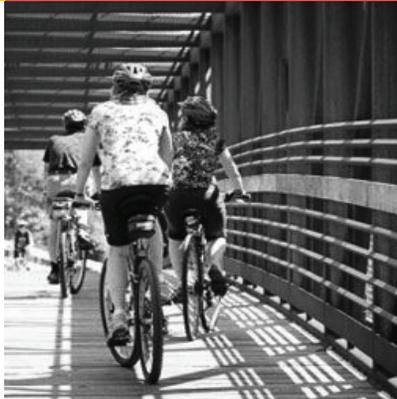


  
Catalyst for Regional Progress  
**PVPC**

Prepared by  
The Pioneer Valley  
Planning  
Commission



Annual Update  
to the  
2014 - 2019  
5 Year CEDS





Pioneer Valley Planning Commission  
and Economic Development District

The Pioneer Valley Plan for Progress

*The Region's Comprehensive  
Economic Development Strategy (CEDS)*

## **2018 CEDS Annual Update**

Prepared by

Pioneer Valley Planning Commission  
60 Congress Street - Floor 1  
Springfield, MA 01104-3419

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## INTRODUCTION

### The Comprehensive Economic Development Strategy

The Comprehensive Economic Development Strategy (CEDS) is a companion document to the region's Plan for Progress, described below, and provides a means for regional collaboration to define and advance key economic interests of the region and its people. The Pioneer Valley region was designated an Economic Development District in 1999 by the U.S. Department of Commerce Economic Development Administration, and in keeping with this designation, the region prepares a CEDS that is updated annually.

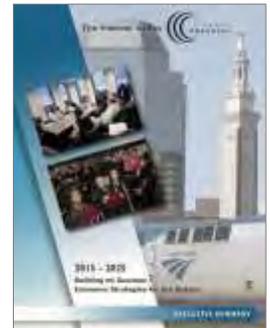


The CEDS features a description of regional economic conditions and sets forth goals and objectives for the future, as well as a list of projects seeking EDA Public Works funding in the next year. More detailed information and data about the region's demographics, regional assets, employment, and education system is available in an online Appendix, along with this document, at <http://www.pvpc.org/plans/comprehensive-economic-development-strategy-ceds>.

The Pioneer Valley Planning Commission (PVPC), which administers this process, is the designated regional planning agency for the Pioneer Valley region, which includes 43 cities and towns comprising the Hampshire and Hampden county areas in western Massachusetts. In this capacity, the PVPC strives to foster a proactive regional planning process that will help create jobs, support a stable and diversified regional economy, and improve living conditions and prosperity for residents throughout the region.

### The Plan for Progress

The Pioneer Valley Plan for Progress is a 10-year blueprint for economic development in the region, crafted by the combined efforts of the region's public, private, and civic sectors. It contains a compilation of economic strategies, supported and advanced by a growing network of leaders from across the region, developed through research and business community participation. These strategies are then incorporated into the CEDS and progress is updated annually. The 2015 Plan for Progress is the most current version, with previous editions of the Plan developed in 1994 and 2004.



## Overview of the Pioneer Valley Region

Located in the midwestern section of Massachusetts and covering 1,179 square miles, the Pioneer Valley region and designated Economic Development District encompass the seventh largest metropolitan area in New England. The region's 43 cities and towns are home to about 631,650 people and include the cities of Springfield, Holyoke, Chicopee, Westfield and Northampton. Springfield, the third largest city in Massachusetts, is the region's cultural and economic center. The city is home to several of the region's largest employers, including Massachusetts Mutual Life Insurance Company and Baystate Health, and is a hub for a growing number of small business and entrepreneurial ventures.

Unique within the Commonwealth of Massachusetts, the Pioneer Valley region contains a diverse economic base and limitless scenic beauty. It has an unusually dense concentration of higher education institutions, some of which are internationally known, such as Smith College and the University of Massachusetts. Dominant physical characteristics include the Connecticut River and its broad, fertile agricultural valley; the Holyoke Mountain range that traverses the region from Southwick to Pelham; and the foothills of the Berkshire Mountains to the west. Choices in life-style range from contemporary downtown living to suburban neighborhoods, vibrant small towns, and scenic rural communities—a variety that contributes to the appeal of the region. The unique combination of natural beauty, cultural amenities, and historical character make the Pioneer Valley region an exceptional environment in which to live, work, and play.



## Regional Economic Trends 2017-2018

The past year in the Pioneer Valley has been one of growth and expansion – in construction, businesses, and beneficial programs. Projects such as the I-91 Viaduct repair and the MGM Springfield are nearing completion, MassMutual has announced a major restructuring that includes an expansion in their headquarters in Springfield, and business mentoring programs such as Valley Venture Mentors are thriving. Workforce development efforts are also proving successful, such as Springfield Works,



which is using the new SkillsSmart software to allow jobseekers to self-evaluate and chart their own paths. Regional metrics addressing economic growth and quality of life (see Regional Economic Performance Indicators on page 25) show a more mixed picture but are generally positive.

The number of total employers in the region continues to grow, and unemployment remains steadily low at 4.4%. A limited number of pre-permitted sites are ready for development. The percent of the population with incomes below 200% of the poverty line

has decreased significantly (-8.6%), and income inequality has decreased slightly. Slow improvements are being made in bridge conditions, through special small bridge infrastructure funding from MassDOT, and in bicycle infrastructure, with the latter getting an additional boost this spring with the launch of ValleyBike, the regional bikeshare program.

Although the data in this report show negative trends in some of the educational indicators, more recent figures from the urban core school districts are more promising. Springfield high school graduation rates and Holyoke's main high school graduation rate were over 75%, an improvement above 69% in 2016. Workforce training efforts continue, and a new Labor Market Blueprint has been created to help guide the region's approach. The HCC MGM Center for Culinary Arts at Holyoke was completed and is training dozens of students each year for the hospitality field.



Many roads throughout the region are still in need of improvement; however, the major I-91 Viaduct deck replacement project is now substantially completed. Unfortunately, transit ridership is reduced, likely due in part to ride-sharing alternatives (such as Uber and Lyft) but also because of reduced transit services caused by funding shortfalls over the past three years.



Increased passenger rail access is proceeding as planned; however, the east-west "Inland Route" is undergoing more study and will not proceed for some time. However, the north-south collaboration with Connecticut to bring additional trains through the Pioneer Valley is moving ahead this June. Broadband access continues to spread, with expedited state funding for "Last Mile" service, including services from Comcast, Charter Communications, and local

providers such as Westfield's Whip City Fiber.

The rural areas of the Pioneer Valley region are facing increasing challenges, as communities' populations grow more slowly than other parts of the state or even decline. Residents in rural western Massachusetts also have lower median household incomes than their central and eastern Massachusetts counterparts. They are facing issues of insufficient or deteriorating water/sewer infrastructure, needs for small business and job creation, and difficulties with rural service delivery.

Nevertheless, the Pioneer Valley region overall is growing, with a level of new development not seen since before the recession. The following table provides information on some of the largest projects under way in the region.

## Major Committed Projects of Regional Significance

The following projects are planned or under way in our region in 2018:

Project	Key Implementer(s)	Public or Private?	Total Estimated Cost
Big Y Foods Distribution Center Expansion	Big Y Foods	Private	\$35 M
Agri-Mark Expansion	Agri-Mark, Town of West Springfield	Private	\$17 M
HP Hood Milk Processing Plant, Agawam	HP Hood	Private	\$30-40 M
Naismith Memorial Basketball Hall of Fame Renovations – Phase I	Naismith Memorial Basketball Hall of Fame	Private	\$15 M
Colvest Group Bank and Retail Development, Holyoke	Colvest Group	Private	\$8 M
Business Innovation Hub at Isenberg School of Management	University of Massachusetts/Amherst	Public	\$62 M
Burnett Road Hotel and Restaurant Complex, Chicopee	Dinesh Patel	Private	\$45 M
One East Pleasant Street Mixed Use Development, Amherst	Archipelago	Private	\$14.4 M
Ludlow Mills Clock Tower Building at Mill #8	Winn Development	Private	\$60 M
Baystate Health and Wellness Center, Longmeadow	Longmeadow Medical Arts Center, LLC	Private	\$11 M
Physical Sciences Building	University of Massachusetts/Amherst	Public	\$102 M

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Way Finders New Headquarters	Way Finders	Public/Private	\$13 M
R.W. Kern Student Center	Hampshire College	Private	\$7.6 M
PVTA Bus Maintenance Facility	Pioneer Valley Transit Authority	Public	\$55 M
North Square at the Mill District, Amherst	Beacon Communities, W.D. Cows	Private	\$47.5 M
MGM Springfield	MGM Resorts International	Private	\$950 M
Springfield Innovation Center	DevelopSpringfield, MassDevelopment	Public/ Private	\$5 M
The Lumber Yard Apartments, Northampton	Valley CDC	Public/Private	\$19 M
Christopher Heights Assisted Living, Belchertown	Grantham Group	Private	\$15.9 M
Atwood Drive Office Building, Northampton	Development Associates	Private	\$14 M
Paramount Theater and Massasoit Building, Springfield	New England Farm Workers Council	Public/ Private	\$41 M
Check Writers HQ	Corporate HQ – former Clarke School	Private	\$4 M
Lyman Mills Redevelopment	Mount Holyoke Development	Private	\$7 M
New Easthampton Middle School	Town of Easthampton	Public	\$10 M
New Hadley Library and Senior Center	Town of Hadley, MA Board of Library Commissioners	Public	\$7 M
Baystate Health Orthopedic Surgery Center Expansion	Baystate Health	Private	\$3.8 M
TOTAL COMMITTED FUNDS			<b>\$1.7 B</b>

## ECONOMIC DEVELOPMENT ACTIVITIES 2017-2018

### The Plan for Progress: Vision and Goals



The 2018 CEDS update is based on progress towards goals as outlined in the 2015 Plan for Progress, which presents a ten-year vision of:

***A strong, innovative, engaging, and vibrant economy and quality of life that fosters prosperity and sustainability and is driven by collaborative leadership.***

This vision is expressed through *four major goal areas*, each with its own set of strategies and tangible action steps to guide the Plan's implementation. In addition, six "Decade Declarations" lay out the top priorities for the region. All of the strategies will be periodically revised in order to meet the region's changing economic needs, conditions, and circumstances.

The goals, strategies, and detailed action steps in the Plan for Progress are described in the following sections. The 2015 Plan for Progress and annual CEDS updates are available from the PVPC or online at [www.pvpc.org/plans/plan-for-progress](http://www.pvpc.org/plans/plan-for-progress).



## New Decade Declarations

Based on region-wide feedback, the following are the most significant and pressing needs and opportunities that the 2015 Plan for Progress will address over the next decade:

## The Region's Key Opportunities

Over the decade encompassing 2015-2025, the Pioneer Valley will steadfastly pursue its most promising economic opportunities in the following ways:



### 1) Leverage New Connections That Significantly Enhance the Region's Economic Competitiveness

Work in concert with government leaders and agencies at all levels, along with the region's business and civic sectors, to complete the reconstruction, reactivation and service expansions along the Pioneer Valley's principal north-south (Knowledge Corridor) and east-west (Inland Route) rail corridors to accommodate both passenger and freight traffic. Simultaneously tackle the remaining "last mile" phase required to build out western

Massachusetts' new, "middle mile" high-speed broadband network, thereby allowing the Pioneer Valley to realize the full range of potential economic and job creation benefits while ensuring a favorable return on this substantial investment of public funds.

### 2) Lead the Commonwealth's Clean Energy Transformation While Moving the Region Toward a Balanced and Diversified Energy Portfolio

Maintain the Pioneer Valley's efforts to lead multifaceted efforts by the Commonwealth to significantly reduce our heavy reliance on fossil fuels and accelerate the region's transition to emerging clean energy sources, broadly employing energy conservation measures and technologies, and overall fostering the creation of a far more balanced, diversified, reliable and affordable energy supply portfolio to support the Pioneer Valley and its regional economy. More specifically, by 2025 strive to achieve parallel goals of: a) realizing over 600 million kWh of new clean energy generation coupled with a cut of 3.2 metric tons of Greenhouse Gas (GHG) emissions emanating from Pioneer Valley sources, and b) growing our clean energy industry, which has approximately 500 establishments and 7,000 workers, as a region-specific initiative that is consistent with the most recent Massachusetts Clean Energy and Climate Plan.

### 3) Harness the Economic Development Potential of the New England Knowledge Corridor

Realize and tap the impressive and wide range of economic attributes and assets concentrated in the interstate New England Knowledge Corridor (NEKC) encompassing the Greater Springfield, Hartford and New Haven metropolitan areas, an economic region which boasts a population of nearly 3 million; a workforce of more than 1.25 million; 215,000 college students enrolled in 41 colleges and universities; and in excess of 64,000 businesses; thereby making the NEKC the 20th largest market in our nation. Correspondingly, utilize the NEKC with its combination of academic power, strategic location, high productivity workforce and innovative talent pool to elevate the NEKC's visibility, reputation and combined strength to participate and successfully compete in a global marketplace where critical mass, thought leadership, workforce talent and the ability to collaborate are now essential to achieving sustained economic progress.

## The Region's Key Economic Challenges

Over the decade encompassing 2015-2025, the Pioneer Valley will act to address its most pressing economic challenges by addressing:

### 1) Talent Pool and Pipeline Challenges

Pursue a broad array of policy reforms and aggressive program initiatives and interventions that work together to identify and implement actions that both retain and expand the Pioneer Valley's supply of educated, skilled workers by a target of +6% or the equivalent of 25,000 workers, while also striving to mitigate adverse impacts to the region's higher education, manufacturing, health care and technology clusters. Critical to this effort is the improvement of educational outcomes and graduation rates in the region's public school systems, particularly in the urban core's distressed cities.



### 2) Fragile Infrastructure Systems

Invest and leverage limited federal, state and local financial resources, as well as public-private partnerships where possible, in order to address and resolve an ever-expanding list of the region's critical infrastructure system needs and deficiencies (e.g. roadway, transit, bridge, rail, water and sewer, etc.). Simultaneously advocate for increased and multi-year infrastructure funding commitments by the federal and state governments that are at levels of investment commensurate with maintaining all forms of the Pioneer Valley public infrastructure in a state of good repair.



### 3) Retention and Growth of Existing Businesses

Proactively respond to the critical importance of small and mid-sized enterprises to the Pioneer Valley economy's strength, vitality and potential for long-term jobs growth by enhancing the system of business support services provided to them and developing new and more flexible sources of growth capital. Provide these services in a way that is highly visible, accessible, coordinated and aligned with the

needs of those small and mid-sized firms that demonstrate the potential to innovate, create and grow. As part of this effort, enhance supply chain and vendor opportunities for existing Pioneer Valley businesses, with special attention to connections with new major employers in the region.

## Plan for Progress Goals and Strategies

To achieve the Plan's vision and address its top challenges and opportunities, the Plan for Progress sets forth the following four major goals, each of which includes a set of detailed strategies, with short- and long-term action steps. Plan for Progress implementers will:

- 1) **Develop and maintain a globally competitive and regionally engaged talent pool.**
- 2) **Foster an environment where established, new, and growing businesses and organizations thrive.**
- 3) **Implement and enhance the infrastructure that connects, sustains and ensures the safety and resiliency of the region.**
- 4) **Conduct economic development activities in a regionally responsible manner, prioritizing collaboration and engagement.**

The following sections outline the goals and strategies and indicate highlights of recent progress.

### Goal #1: Develop and Maintain a Globally Competitive and Regionally Engaged Talent Pool

The Plan for Progress includes a primary focus on the most important factor confronting the Pioneer Valley economy, namely the talent, or human capital, that comprises the current and future workforce for our region. Workforce and talent issues today constitute the most important of all factors for both attracting and retaining businesses and jobs and, thus, are pivotal to the sustained economic success of metropolitan regions across the U.S. –

including the Pioneer Valley and its larger, interstate region, the New England Knowledge Corridor. Thus, a significant emphasis will be placed on these efforts and on collaboration among the lead implementers. To this end, Knowledge Corridor leadership worked with the Donahue Institute at the University of Massachusetts to develop detailed strategies and action steps for the interstate region, and the 2015 Pioneer Valley Plan for Progress aligns well with the framework that was developed for that bi-state effort. For more information on the Donahue Institute report, please see the *Knowledge Corridor Talent and Workforce Strategy* report at <http://www.pvpc.org/content/knowledge-corridor-talent-and-workforce-strategy>.



Plan for Progress implementers affirm the importance of a core talent development pipeline that provides an unbroken continuum of preparation for young people in our communities. This “core” pipeline includes pre-K programs, the existing public school system, vocational training, community colleges and four-year colleges. Additional workforce training initiatives that address changing workforce needs are part of the core as well. However, ultimately, a healthy, vibrant and successful core pipeline will mitigate the need for remedial measures at every level. At every stage now in the educational and talent pipeline, including students beginning community college and workers entering their first jobs, full readiness often requires additional instruction, tutoring or training. While remedial actions will be needed for the foreseeable future to meet current workforce needs, we anticipate a gradual reduction in this need as the core programs are strengthened and more and more resources are directed to them.



The strategies below are grouped into traditional educational time periods and systems, while always recognizing the linkages between these elements so that there is a continuum of preparation. There is a need to align each stage of education and training with the previous stage as well as with the programs, schools and workplaces that follow it. In order to accomplish this, it is critical for education and business interests to recognize their common mission. There is also a pressing need for greater engagement by parents, guidance counselors, and others whose responsibility it is to provide support and direction to the region’s students. These individuals have a tremendous influence on young people’s perceived choices and long-term prospects.



Our ultimate goals in strengthening this core talent development pipeline are to improve the high school graduation rate, improve workforce readiness, and thus greatly reduce the need for remedial and supplemental tutoring and training at every level. In addition, we endeavor to increase the engagement of talented young workers in their communities and the region. These broad goals will be achieved through the following strategies (See the Donahue Institute report for additional details<sup>1</sup>). Also please see the 2015 Plan for Progress at <http://www.pvpc.org/plans/plan-for-progress> for further details of the ten-year action steps.

<sup>1</sup> The *Knowledge Corridor Talent and Workforce Strategy* report is available at <http://www.pvpc.org/content/knowledge-corridor-talent-and-workforce-strategy>

**Strategy #1: Strengthen Regional Engagement and Coordination in Talent Development Initiatives**

**Strategy #2: Make the Implementation of High Quality Early Education an Essential Element of the Region's Economic Development**

**Strategy #3: Improve K-12 High School and Vocational School Achievement and Graduation Rates**

**Strategy #4: Improve Community and Four-Year College Programs and Graduation Rates**

**Strategy #5: Enhance Career and Workforce Training**

**Implementation Team for Goal #1:**

Regional Employment Boards\*  
Community Colleges (STCC, HCC and GCC)\*  
Major Regional Employers  
Irene E. & George A. Davis Foundation  
Institutions of Higher Education  
Leadership Pioneer Valley  
*\*Lead implementer*



Selected progress on this goal area during the past year includes:

- The \$6.2 million HCC MGM Culinary Arts Institute opened this year in Holyoke's Innovation District. The facility has training and demonstration kitchens, classrooms, a dining room, hotel laboratory, conference space, and faculty/staff offices for the three full-time and 24 part-time employees.
- Springfield Works received a state grant of \$75,000 that will help expand efforts to mentor and guide job seekers and to expand financial literacy programs that ease the transition from public assistance to self-sufficiency.
- Tech Foundry hired its first Executive Director, marking the formative stages of a growth strategy that will allow it to continue to meet the IT workforce needs across the Pioneer Valley while simultaneously working to provide a similar model for other areas of the state and region.
- The Regional Employment Boards (REBs) of Franklin-Hampshire and Hampden County completed the [Pioneer Valley Regional Planning Labor Market Blueprint](#) in conjunction with the Governor's Workforce Skills Cabinet. The Blueprint provides a guiding template to address talent gaps and needs in the region, providing "pathways" for workers, particularly in the fields of advanced manufacturing, educational services, and health care and social assistance.

❖ Pioneer Valley Planning Commission and Economic Development District

- Both the Springfield and Holyoke School Districts have increased general high school graduation rates, from about 69% in 2016 to over 75% in 2017. As a separate indicator, Dean Technical High School (Holyoke) graduation increased dramatically from 40% to 59%.
- A third year of free pre-school was available to over 200 children in Springfield and Holyoke thanks to a federal grant and partnerships between the Springfield and Holyoke Public Schools, the YMCA of Greater Springfield, Springfield Head Start, Square One, and the Valley Opportunity Council. The program has improved student academic performance and school readiness as they enter kindergarten.

Objectives for 2018-19 include:

- Recruit more employers to participate in training and internship programs such as Tech Foundry and Girls Inc.'s Eureka! program.
- Work together with lead implementers to identify additional workforce development initiatives, particularly those in line with the new regional workforce training plan.



## Goal #2: Foster an Environment Where Established, New, and Growing Businesses and Organizations Thrive

The number of businesses in the Pioneer Valley continues to grow – consisting predominantly of small enterprises of less than 50 employees – and some industries have been expanding, developing new products and services, and hiring more employees. An enhanced entrepreneurial ecosystem is coalescing, with new and expanded business mentorship programs, co-working spaces, innovation centers, and incubators. This goal of the Plan for Progress focuses on providing the essential ingredients for businesses of all sizes to thrive, from the sole proprietor to the largest corporations, with special emphasis on increasing coordination and outreach to entrepreneurs of all ethnicities. The Plan also strongly encourages impact investments into companies, organizations and funds with the intention to generate measurable social, environmental and employment impact as well as strong financial return.



These results cannot be achieved without also bolstering the strength of the urban, suburban and downtown employment centers in communities throughout the Pioneer Valley. In particular, as we look ahead, the Pioneer Valley must increasingly focus on its urban core area comprised of three of the region's four state-designated "Gateway Cities," namely Springfield, Holyoke, and Chicopee. The urban core is a crucial part of our region's economy since it is a primary source of the Pioneer Valley's business capital, labor force, work sites and buildings, mobility assets, power and communications infrastructure, innovation capability and jobs. Other urban areas, including Northampton, Easthampton, Greenfield and the fourth Gateway City of Westfield, must also be strengthened so that all parts of the region have strong employment and commercial centers. Finally, we must leverage the strength of the business ecosystem in other parts of the state, particularly the Greater Boston area, by making lasting connections for providers and businesses; these established networks are crucial to the growth

of this region.

The following strategies will address these needs:

**Strategy #1: Retain, Attract, and Grow Businesses and Priority Clusters**

**Strategy #2: Advocate Efficient Regulatory Processes at All Levels of Government**

**Strategy #3: Market Our Region**



**Implementation Team for Goal #2:**

EDC of Western MA\*

New England Knowledge Corridor  
Partnership

Economic Development Partners

Chambers of Commerce

Regional Tourism Councils

MA Office of Business  
Development

MA Small Business Development  
Center

Common Capital

Valley Venture Mentors

*\*Potential lead implementer*



Selected progress on this goal area includes:

- MassMutual, one of the region’s largest employers, announced a major expansion of the company’s headquarters in Springfield. Over the next four years, about 1,500 jobs will be added, a 50% increase.
- U.S. Tsubaki opened a 100,000 square-foot addition in Chicopee with 35 new jobs available, choosing that city over potential locations in other states thanks to a tax incentive agreement.
- SPARK Holyoke has licensed a curriculum from Co.Starters, a proven business development model, for its nine-week business accelerator program, “Launch.” The program is conducting a “SPARK Tank” fundraiser that will feature local SPARK startups pitching their business concept to a panel of judges consisting of locally-renowned entrepreneurs and successful business professionals.
- Facebook is bringing its “Community Boost” program to Springfield to teach local business owners how to use social media to market their products and services. The free program will run for two days this fall.
- The Colvest Group has purchased the former Lynch School in Holyoke and will develop a bank and retail site on the property.
- Twenty students from nine area colleges graduated from Valley Venture Mentors’ Collegiate Accelerator, and several won grants ranging from \$700 to \$6,000 to help them establish their businesses.



- Valley Venture Mentors (VVM) announced the addition of six new executives in residence (EIRs) who will serve as guest educators and leaders to the 36 startup companies in the 2018 VVM Startup Accelerator program. The EIRs represent experienced industry leaders, creatives, and strategists, as well as social-impact entrepreneurs from around the country.
- Coworking spaces in the region are thriving: Click Workspace in Northampton, Amherst Works, Commons Coworking in Williamsburg, CoWork Springfield, Easthampton Co.Lab, Gateway City Arts, Make-It Springfield, SPARK Coworkspace, and more. Several have received funding this year to upgrade their facilities, from MassDevelopment’s Collaborative Workspace Program.
- The Economic Development Council of Western Massachusetts and the Greater Springfield Convention and Visitors’ Bureau rolled out a new marketing campaign and website with the tagline “Explore Western Mass.” This identification of the region will be more recognizable to outside companies and visitors.
- The New England Knowledge Corridor Partnership brought local mayors from the region together with millennials to discuss community economic issues in a forum in East Hartford, Connecticut.



Objectives for 2018-19 include:

- Continue collaborations between small-business providers to enhance services to local business owners.
- Continue to advocate for local companies to use local suppliers, especially for expansion and new construction projects.

### **Goal #3: Implement and Enhance the Infrastructure that Connects, Sustains and Ensures the Safety and Resiliency of the Region and its Economy**

Without a modern, high quality network of infrastructure, a region cannot sustain economic activity,



retain its students and workers, or attract visitors, tourists and investment. The Pioneer Valley's infrastructure includes its transportation, broadband and energy networks; public health and safety resources; housing supply; and natural resources including water supplies, agricultural land and open space/recreational areas. Both local and regional

efforts are necessary to ensure consistency, resiliency, and sufficient redundancy to withstand disruptions. The following strategies are meant to achieve these goals:

**Strategy #1: Enhance High-Tech and Conventional Infrastructure**

**Strategy #2: Increase Use of Clean Energy to Reduce Business Costs and Improve the Environment**

**Strategy #3: Enhance Regional Approaches to Public Safety, Public Health and Disaster Resilience**

**Strategy #4: Develop an Array of Housing Options that Foster Economic Competitiveness**

**Strategy #5: Revitalize and Protect the Connecticut River and its Watershed**



**Implementation Team for Goal #3:**

- Pioneer Valley Planning Commission\*
- Franklin Regional Council of Governments\*
- Connecticut River Clean-up Committee
- WMA Connect/MBI
- Valley Development Council
- Pioneer Valley Regional Housing Advisory Committee
- \*Lead implementers*

Selected progress on this goal area includes:

- The Massachusetts Broadband Institute (MBI) has facilitated high-speed internet buildout for 44 of the 53 formerly unserved and underserved western Massachusetts communities over the past year. The work is still ongoing and is being achieved with state grant funding and partnerships with Comcast, Charter Cable, and Westfield Gas & Electric.
- Bradley International Airport is undertaking a \$1.4 billion renovation and expansion that will improve and increase service to the Knowledge Corridor.
- National Grid and Eversource are collaborating on the launch of \$24 million and \$45 million Electric Vehicle Charging Station “Make Ready” programs, respectively, over the next five years. The companies will install nearly 4,000 points of access at up to 500 business customer sites in their service areas.



- Holyoke and Ware each received state DOT grants to expand freight rail capacity to transport construction debris and recyclable materials, thus reducing truck traffic volumes and creating a total of 10-12 new jobs.

❖ Pioneer Valley Planning Commission and Economic Development District

- The communities of Amherst, Holyoke, Northampton, South Hadley, and Springfield, along with the University of Massachusetts, in partnership with the Pioneer Valley Planning Commission, are launching a regional bike-share program this spring. \$1.3 million of Federal funds from the U.S. Department of Transportation Federal Highway Administration through its Congestion Mitigation Air Quality (CMAQ) program was secured to cover the start-up capital equipment costs for the program which includes 500 bikes and 50 bike stations in five (5) communities under contract with Bewegen Technologies and Corps Logistics.
- PVPC assisted five communities with Municipal Vulnerability Preparedness plans, which help communities develop action-oriented climate and economic resiliency strategies. Communities who complete the plans are eligible for MVP Action grant funding.
- Residences at Mill 10, a new mixed-income senior housing project was completed as part of the ongoing Ludlow Mills redevelopment. WinnCompanies constructed the 75-unit mill renovation project.
- Holyoke Gas & Electric Department is undertaking a three-megawatt energy storage system at Mt. Tom Solar, on the site of the former coal plant.
- Four additional Pioneer Valley communities were designated as “Green Communities” by the state’s Department of Energy Resources (DOER), enabling them to access grant funding for energy-efficiency and clean energy projects. This brings the region’s total to 30 communities that enjoy this “Green Communities” designation.



- Northampton completed an infrastructure upgrade that transformed Pleasant Street, leading into the downtown, from a highway to a city street and also providing the infrastructure (stormwater relocation) necessary to allow the “Lumberyard” affordable housing project to proceed. The “complete streets” project is designed to be accessible to all people, regardless of their age, ability or mode of transportation.

- North-South rail service has expanded: the new Hartford Rail Line began operation in June and is running trains every 45 minutes between Springfield and communities in Connecticut, including Windsor Locks, Windsor, Hartford, Berlin, Meriden, Wallingford, and New Haven.
- Massachusetts has reached a deal with Connecticut to expand the passenger rail service north of Springfield on a pilot basis starting in 2019, a step which will make it possible to go from Greenfield to New York and back in one day.
- Baker's administration also announced that an east-to-west rail study would likely be put out to bid after which the multi-million dollar study would be completed in 12 to 18 months.
- Peter Pan Bus Lines moved its operations to Union Station, thus re-joining Pioneer Valley Transit Authority (PVTA) and integrating its services with Amtrak. The move makes its former space available for new uses. Wayfinders will redevelop the old bus site as its new headquarters.

Objectives for 2018-19 include:

- Continue to work with Connecticut DOT towards increased north-south service along the Amtrak Vermonter corridor in Massachusetts to provide daily commuter service between Springfield and Greenfield and more frequent service to other destinations linked to the Vermonter line, including New York City, Washington, D.C., and Montreal.
- Continue advocacy for expanded high-speed passenger rail from Springfield to Boston (the "inland route") as well as to Montreal.
- Continue to build out the last mile of broadband to unserved and underserved communities through public-private partnerships.
- Complete I-91 Viaduct Alternatives Study identifying existing issues and evaluating alternative alignments for the viaduct section, including examination of possible at-grade and below-grade alternatives. Final recommendations are anticipated in a final MassDOT report at the end of the 2018 calendar year.



## **Goal #4: Conduct Economic Development Activities in a Regionally Responsible Manner, Prioritizing Collaboration and Engagement**

The new Plan for Progress celebrates our pioneering history of innovation, social responsibility, freedom and collaboration. However, there remain economic disparities in the region (as well as across the state) which must be addressed if the region is to fully embrace success and long-term prosperity. The recent success of the Leadership Pioneer Valley program is an indication of the need and desire to sustain and improve broad collaboration and develop a succession strategy for regional leadership. This leadership must engage with those it serves on a regular basis to ensure that needs are being met. Furthermore, responsible economic development includes a regular and honest evaluation of progress through measurable benchmarks, intended to guide us as well as demonstrate progress to those outside our region. Strategies to address these issues include:

**Strategy #1: Foster Equity and Economic Opportunity through Public Policy Decisions, Educational Opportunities and Advocacy**

**Strategy #2: Engage, Convene and Collaborate with Diverse Groups to Maximize Regional Success**

### **Implementation Team for Goal #4:**

Pioneer Valley Planning Commission\*  
Franklin Regional Council of  
Governments

Irene E. & George A. Davis Foundation  
Community Foundation of Western MA  
Leadership Pioneer Valley\*  
Healing Racism Institute of Pioneer  
Valley

\* *Lead Implementers*

Selected progress on this goal area  
includes:

- Valley Gives had a successful sixth year, spearheaded by the Community Foundation of Western Massachusetts. Over the past six years, 36,082 people have contributed \$10.4 million to 834 nonprofit organizations serving the Pioneer Valley and Hilltowns. The Foundation will move forward with Valley Gives 360, a broader, deeper version of the 24-hour giving day.
- Leadership Pioneer Valley will graduate its seventh class this June 2018, for a cumulative total of 250 graduates. LPV participants participate in trainings, workshops and regional visits to area leaders. They also work with local non-profits on projects each year, resulting in improved outcomes for programs such as Treehouse Foundation (foster care), the Holyoke Youth Task Force, Western MA Food Bank, and many others.



- The Leadership Institute for Political and Public Impact (LIPPI), run by the Women’s Fund graduated 26 women in 2017, while the Springfield Leadership Institute graduated 23 people. Leadership Holyoke restarted its program in 2018.



- Bay Path University and the Women’s Fund of Western Massachusetts have joined forces to allow Women’s Fund LIPPI participants access to online resources at Bay Path, such as online classroom tools and virtual sessions with instructors. Those in the program will be able to receive three undergraduate or graduate credits from Bay Path for their participation.

- The Women’s Fund of Western MA also ran the first year of their new Young Women’s Initiative, with a group of 17 self-motivated young women from Springfield between the ages of 12 and 24. They participated in a nine-month program that assisted them in identifying challenges that young women face in the community and giving them the skills to advocate for solutions.
- The Healing Racism Institute of Pioneer Valley, continues to facilitate 2-day Healing Racism sessions, now in the fifth year, in which more than 600 key community stakeholders in over 175 organizations have participated.



Objectives for 2018-19 include:

- Continue to encourage community engagement strategies that included under-represented populations (immigrant, ethnic minority, low-income and geographically isolated).

❖ Pioneer Valley Planning Commission and Economic Development District

- Increase awareness and utilization of the Plan for Progress through outreach and advocacy by Plan for Progress members and implementers.
- Development of a regional website benchmarking progress of initiatives related to this goal area, with funding committed by the Community Foundation of Western Massachusetts and the Davis and MassMutual Foundations.

## 2018 CEDS Projects

### The Project Proposal Process

On an annual basis, the Pioneer Valley Economic Development District that has been designated by the U.S. Economic Development Administration solicits proposals from the region for projects that may seek funding under the EDA's Public Works Economic Development Program. The region has been successful in prior years in receiving substantial EDA funding awards for projects that create jobs and stimulate private investment in distressed communities of the Pioneer Valley region. Among these awards and accomplishments are the following:



- DevelopSpringfield was awarded \$1.1 million in 2017 to develop the Lower Maple Business Park, involving restoration of an historic building at 77 Maple Street in Springfield as a hub for small businesses.
- In 2016, Holyoke Community College was awarded \$1.55 million for the renovation of the existing Cubit Building in Holyoke's Innovation District to establish the Center for Hospitality and Culinary Excellence, a state-of-the-art workforce training facility.
- In 2014, the City of Springfield was awarded \$1.3 million for the Springfield Job Creation/Technical Training Facility, an 11,400-square-foot facility that provides space to conduct work skills training in the precision manufacturing and construction trades industry.
- In 2011, the Holyoke Gas & Electric Company was awarded \$2.1 million for hydroelectric infrastructure improvements that will support the development of the Holyoke Innovation District anchored by the Massachusetts Green High Performance Computing Center.
- In 2011, EDA awarded the Caring Health Center in Springfield \$500,000 for a new community health center in downtown Springfield, in renovated historic buildings.
- In 2010, the Western Massachusetts Enterprise Fund was awarded \$500,000 from the EDA towards a Western Massachusetts Revolving Loan Fund.
- In 2008, EDA awarded the City of Northampton and MassDevelopment \$750,000 for the Village at Hospital Hill Business Park, a redevelopment of a former state hospital site.
- In 2006, EDA awarded the City of Springfield \$1 million for the Memorial Industrial Park II project adjacent to the Smith and Wesson facilities.
- Holyoke Health Center and Medical Mall was awarded a \$1 million grant by EDA in August 2002 to complete Phase II of the project.
- STCC received the EDA's National Award for Excellence in Urban Economic Development in 2001.

❖ Pioneer Valley Planning Commission and Economic Development District

- The Latino Professional Office Center in Holyoke was awarded \$700,000 in 1999.
- STCC’s Springfield Enterprise Center received close to \$1 million in 1999.

## Summary of Project Proposals

This year, proposals were submitted from four Pioneer Valley communities – Springfield, Holyoke, Chicopee, and Ludlow – for inclusion in the 2018 CEDS. Most of the projects are located in municipalities or neighborhoods that directly meet EDA Distress Criteria, while some may be eligible due to their potential for providing jobs to residents of adjacent distressed communities. All six projects are shown in Table 1. Communities submitting projects for this list expect to apply for EDA Public Works funding during the upcoming 12 to 18 months.

**Table 1: Summary of EDA Public Works Project Proposals for 2018 CEDS Annual Update**

Community	Proposed Project Title	Project Type	2017 Project Re-Submittal?	EDA Funding Needed in 2018-19?	Total Est. Project Cost	Local \$ Match in Place?	# Perm. Jobs Created
Springfield	Court Square Redevelopment	Restoration and development of historic Court Square property into retail, office and market rate housing	Yes	Yes	\$50 million	No	30
Holyoke	South Holyoke Redevelopment	Commercial, residential and infrastructure development	Yes	TBD	TBD	No	TBD
Holyoke	Whiting Farms Road – Parcel B	Infrastructure improvements to assist with commercial development	No	TBD	TBD	No	TBD
Holyoke	Victory Theater	Redevelopment of downtown historic theater for cultural & commercial uses	Yes	TBD	TBD	No	TBD
Chicopee	Westover Air Park South	Infrastructure improvements for 88-acre industrial park	Yes	TBD	\$6 million	No	2,000
Ludlow	Riverside Drive at Ludlow Mills	Infrastructure to access industrial site	Yes	Yes	\$7 million	Yes	958

## Regional Economic Performance Indicators

### Summary

The Plan for Progress Performance Indicators are a set of quantitative benchmarks that assist in identifying economic trends and measuring progress towards the goals of the Pioneer Valley Plan for Progress. In order to provide a highly objective, measurable method of accountability, this quantitative system complements the qualitative assessments discussed above. The system does not attempt to evaluate current year statistics in isolation (e.g. judging whether a specific unemployment rate is “good” or “bad”), but rather looks at changes over time and the general trend, indicating whether a situation is improving or not (e.g. observing whether the unemployment rate is increasing or decreasing).

This evaluation section includes a chart of all performance indicators with the current and previous data as well as the percent change in data and the rating that this change warranted. Following this chart is a list of all the performance indicators organized by strategy grouping with a summary of the data and data source for each indicator.

### Rating Scale

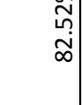
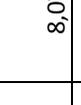
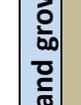
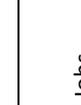
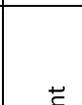
Each indicator was assigned a rating of positive, negative, or neutral, based on the most recent annual trend in the data available. Once benchmark data was collected for the most recent year available, Pioneer Valley Planning Commission (PVPC) staff calculated percentage changes from one year prior (or the most recent previous year possible if prior year data is not available). An improvement of at least one percent is considered a positive trend, while a decline of at least one percent is considered a negative trend. Between one percent improvement and a one percent decline is considered a neutral trend.

	<p><b>Positive Trend</b> More than a 1% change in a positive direction.</p>
	<p><b>Neutral Trend</b> Less than a 1% change in any direction.</p>
	<p><b>Negative Trend</b> More than a 1% change in a negative direction.</p>

### Regional Geography

Because the Plan for Progress was completed in conjunction with our neighbors to the north in Franklin County, ratings for each indicator represent the current trend in the given indicator for the greater Pioneer Valley which includes Hampden, Hampshire, and Franklin counties. This evaluation section includes a chart of all performance indicators with the current and previous data as well as the percent change in data and the rating that this change warranted. Following this chart is a list of all the performance indicators organized by major goal area with a summary of the data and data source for each indicator.

## Pioneer Valley Plan for Progress Performance Indicators - Pioneer Valley (3 Counties)

<b>Goal #1: Develop and maintain a globally competitive and regionally engaged talent pool.</b>							
Measure	Indicator	Prior Data	Year	Current Data	Year	Annual Change	Rating
Early Education Enrollment	Enrollment In Early Education/Preschool Programs For 3 & 4 Year Olds	54.1%	2015	52.9%	2016	-2.2%	
3rd Grade Reading Proficiency	MCAS 3rd Grade Reading Proficiency	2014	1.6%	NA		NA	no trend
High School Graduation Rate	5 Year High School Graduation Rate	87.21%	2015	82.52%	2016	-5.4%	
Community College Graduates	# Of Graduates From Community Colleges in Region	2,192	2016	2,153	2017	-1.8%	
Educational Attainment Of Workforce	% Of Workforce 25 And Older With 4 Year Degree	31.4%	2015	31.7%	2016	0.9%	
Workforce Training Participation	# Of People Served By Workforce Training Programs	8,078	FY2016	7,836	FY2017	-3.0%	
Unemployment	Unemployment Rate	4.4%	2016	4.4%	2017	0.0%	
<b>Goal #2: Foster an environment where established, new, and growing businesses and organizations thrive</b>							
Measure	Indicator	Prior Data	Year	Current Data	Year	Annual Change	Rating
Employers	Total Establishments	24,565	2015	25,549	2016	4.0%	
Jobs	Total Jobs	292,366	2015	297,871	2016	1.9%	
Sites Ready For Development	# Of Pre-Permitted Sites	8	2015	8	2018	0.0%	
Low Income and Poverty	% Of Population With Income Below 200% Of Poverty Line	33.8%	2015	30.9%	2016	-8.6%	

**Pioneer Valley Plan for Progress Performance Indicators (Continued) - Pioneer Valley (3 Counties)**

Goal #3: Implement and enhance the infrastructure that connects, sustains, and ensures the safety and resiliency of the region and its economy.							
Measure	Indicator	Prior Data	Year	Current Data	Year	Annual Change	Rating
High Speed Internet	% Of Communities/Population With Access To Broadband/High Speed Internet (25 MPS Download)	94.8	2013	95.3	2014	0.5%	
Bridge Conditions	# Of Structurally Deficient Bridges	100	2014	97	2015	-3.0%	
Road Pavement Conditions**	Overall Condition Index (OCI)	77.6	2011	65.6	2015	-3.9%	
Transit Ridership	Total Annual Rides On PVTA, FRTA, And Amtrak Trains Within The Region	12,774,727	FY2016	12,026,724	FY2017	-5.9%	
Bike Infrastructure	Completed Bike Facility Mileage	84.7	2013	98.1	FY2018	3.2%	
Transportation + Housing Costs	Combined Transportation And Housing Costs As A Percent Of Income			52%	2008-2012	NA	no trend
Affordable Housing	# Of Communities Meeting 10% Affordable Housing Threshold	8	2016	8	2017	0.0%	
Home Ownership	% Of Housing Units That Are Owner Occupied	63.21%	2015	63.62%	2016	0.7%	
Combined Sewer Overflow Reductions	Total # Of CSOs Feeding Into The CT River Or Its Tributaries	61	2014	59	2016	-3.3%	

**Pioneer Valley Plan for Progress Performance Indicators (Continued) - Pioneer Valley (3 Counties)**

<b>Goal #4: Conduct economic development activities in a regionally responsible manner, prioritizing collaboration and engagement.</b>							
Measure	Indicator	Prior Data	Year	Current Data	Year	Annual Change	Rating
Income Inequality (Gini Coefficient)	Gini Coefficient Of Income Inequality (all three counties)						
	Hampden County	0.465	2015	0.452	2016	-2.9%	
	Hampshire County	0.476	2015	0.464	2016	-2.6%	
	Franklin County	0.449	2015	0.463	2016	2.8%	
State Funding - Non-School Local Aid	Statewide Non-School Local Aid Per Capita That Goes To The Region	\$236.97	FY2017	\$232.46	FY2018	3.1%	
Leadership Program Participation	# Of Graduates From All Leadership Programs In The Region	100	2016	85	2017	-15.0%	
Registered Voters	Voter Participation Rates	85.26%	2016	84.48%	2018	-0.5%	

Notes: \*Road Pavement Conditions only include Hampshire and Hampden Counties. Comparable data not available for Franklin County. Income Inequality is measured by the Gini coefficient and ranges from 0 to 1. Numbers closer to one indicate more income inequality.

## Goal #1: Develop and Maintain a Globally Competitive and Regionally Engaged Talent Pool

### Early Education Enrollment

Early childhood education helps provide the opportunities necessary for positive development at this young and critical age. It is now supported by extensive research that a high quality early childhood education experience has significant long-term effects on a person’s life outcomes ranging from their achievement in K-12 school, their economic success, or the probability that they will be involved in the juvenile justice system. Early childhood education is now recognized as a critical early phase of the cradle-to-career pipeline that takes a comprehensive, long term view of workforce and economic development. The percent of all 3- and 4-year olds who are enrolled in any type of formal early education program (public, private, family child care, center-based preschool) is examined in this indicator. Data is estimated by the U.S. Census Bureau’s American Community Survey.

Trend	Rating
-2.2%	

Between 2015 and 2016, the percent of children enrolled in early childhood education programs decreased at a rate of 2.2% across the Pioneer Valley. Hampshire and Hampden counties saw decreases of 16.5% and 4.4%, respectively, while in Franklin County, the percentage increased by nearly 74%.

It is important to note that these data points are estimates based on a sample of the population, and there are margins of error associated with them. In this particular case, the margins of error for all three counties are particularly large, so it’s quite possible that, while there was likely a decrease in enrollment in Hampshire and Hampden Counties, and an increase in Franklin County, it was not necessarily of the dramatic extreme that these estimates suggest.

Source: U.S. Census Bureau, American Community Survey 1-Year-Estimates

### 3rd Grade Reading Proficiency

In an educational environment increasingly requiring quantitative measures of achievement and accountability, scores from standardized tests are used to “identify the strengths and weaknesses in curriculum and instruction” at the local level and to hold schools and school districts accountable with respect to “established standards for performance for districts that improve or fail to improve student academic performance.”\* Educational development standards indicate that students should be able to read proficiently by the end of third grade, that is, have a wide vocabulary, comprehend, write logically, speak coherently, read fluently and understand different types of texts. Beginning in fourth grade, all these skills are necessary for them to progress with more challenging work.

Trend	Rating
Trend Data Not Available	

In past reports, The percent of all children in the third grade who received a score of “proficient” or higher on the MCAS English language arts test was used to reflect early literacy skills achieved during formal early childhood education. However, to further align testing with Common Core Standards, in 2015 the Massachusetts Board of Elementary and Secondary Education began administering a new test called the Partnership for Assessment of Readiness for College and Careers (PARCC). This transition from MCAS to PARC is an ongoing process. Although many school districts are now using this test, some are continuing to use an updated version of the MCAS, which includes only some elements of the PARCC. These changes have made for a different assessment system than years past, which makes data difficult to compare not only from year-to-year but also between communities.

As such, this indicator is not included for this year, but will be included in future Plan for Progress reports as the data become more comparable over time.

*\*MA DESE*

*\*\* In 2014, some third-grade students in the region took the PARCC test rather than the MCAS test. Only MCAS score results are presented in this report (thus, the sample size in 2014 is smaller than it is for 2013.)*

Source: MA Department of Elementary and Secondary Education (DESE)

## High School Graduation Rate

High school graduation rates are a vital component in assessing the status of individuals and communities because educational attainment has a strong influence on future work and earning potential as well as the ability to constructively contribute to one’s community. Graduating from high school has become a minimum requirement for participation in most of our nation’s economy. The percent of all students enrolled in grades nine through twelve who graduate within 5 years or less is measured in this indicator. The rate is adjusted for students who transfer in or out of the schools, and thus measures only those students who began at a given school and graduated from that same school.

Trend	Rating
-5.4%	

Across the region, there was a decrease of 5.4 percent in graduation rates between 2015 and 2016. All three counties experienced a decrease in graduation rate, with Franklin County having the largest decrease of 11.4%. Even the urban core cities of Springfield and Holyoke, which showed positive trends between 2014-2015, experienced a decrease of 3.2% and 11%, respectively.

Source: MA Department of Elementary and Secondary Education

## Community College Graduates

Most of today’s well paying jobs require a credential beyond a high school degree. Associate’s degrees and/or certificates are the most accessible and promising route to a job with a living wage and a genuine career path for many. This indicator measures the number of people in the region who complete an associate’s degree in a given academic year at one of the three community colleges in the region - Greenfield Community College, Holyoke Community College and Springfield Technical Community College.

Trend	Rating
-1.8%	

Between 2016 and 2017, the number of community college graduates in the Pioneer Valley decreased by about 2%. Hampden County saw a decrease of 1.4%, whereas Franklin County saw a decrease of 4.4%. Hampshire County does not have a community college.

Source: Directors of Institutional Research at Holyoke Community College, Springfield Technical Community College, Greenfield Community College

## Educational Attainment of the Workforce

Higher education is increasingly necessary for long-term access to well-paying jobs. The extent of educational attainment, therefore, is indicative of a population’s ability to function and excel economically and an individual’s economic and social opportunities in life. While two-year associate’s degrees meet the needs of many positions, the bachelor’s degree is rapidly becoming a requirement for even some entry-level positions. Because a solid educational background, typically achieved during high school, is a prerequisite for getting a bachelor’s degree, this indicator also measures a community’s ability to prepare their children for college. This indicator measures the percent of the population over the age of 25 with a bachelor’s degree or higher.

Trend	Rating
0.9%	

Across the region, attainment of bachelor’s degrees remained fairly neutral, increasing slightly from 31.4% to 31.7% between 2015 and 2016. However, trends varied throughout the region. Hampden County and Franklin County experienced increases of 1.5% and 6.7% respectively, while Hampshire County experienced a decrease of 2.3%.

Source: U.S. Census Bureau, American Community Survey 1-Year-Estimates

## Workforce Training Participation

Not all jobs require a bachelor’s degree to be effective, and not all bachelor’s degrees teach the specific skills that each job requires. People switch careers later in life and need specific training to learn skills that will support that shift. The Plan for Progress recognizes that a robust pipeline to a skilled workforce involves training people at all levels of skill and experience for a wide variety of jobs. This indicator evaluates the level of participation in programs that train people with specific skills to prepare them for jobs in the workforce. Data includes the number of people who take part in job skills training programs through the Regional Employment Boards or one of the three community colleges within the region. The majority of these are non-credit courses through the community colleges.

Trend	Rating
<b>-3.0%</b>	

Between FY2016 and FY2017, the number of participants in workforce training programs decreased from 8,078 to 7,836 or about 3 percent. Hampshire and Franklin counties experienced a small decline while Hampden County actually had a very small increase.

Note: Data is aggregated by fiscal year, and some duplication of totals is possible as the REBs and colleges may have the same students.

Source: Regional Employment Board of Hampden County, Hampshire/Franklin Regional Employment Board, Massachusetts Department of Higher Education

## Unemployment

The unemployment rate, produced by the U.S. Bureau of Labor Statistics, is the percentage of people in the labor force who do not have a job (the labor force is the sum of those who have a job and those who are looking for a job). Unemployment rates are frequently used to report on the state of the economy: a high unemployment rate can indicate a shrinking economy. Furthermore, unemployment rates give an idea of the portion of a community’s population that is financially insecure because they do not have a job. It should be noted that because unemployment rates are calculated based on a percentage of the people who are looking for work, it is actually an undercount of the total number of unemployed people who may actually wish to be employed. The unemployment rate does not include people who left the official labor force. This too is a significant factor as it underscores the growing portion of the population who are no longer considered employable for any number of reasons.

Trend	Rating
<b>-0.0%</b>	

The unemployment rate in the Pioneer Valley was stable between 2016 and 2017 with only Hampshire County experiencing a slight uptick in unemployment from 3.3% to 3.4%. In the Urban Core, the unemployment rate in both Springfield and Holyoke dropped 2.9% and 1.7 respectively.

Source: MA Executive Office of Labor and Workforce Development

## Goal #2: Foster an Environment Where Established, New, and Growing Businesses and Organizations Thrive

### Employers

Another method of measuring the strength of an economy and the opportunities within it is to count the total number of employer businesses that exist. When an economy is strong, there are appropriate economic development supports, and when confidence is high, existing businesses are more likely to stay operating and within the region. What's more, businesses from outside of the region are more likely to relocate here, and local entrepreneurs are more likely to start to grow a business. This indicator measures the total number of establishments in the area that have more than one employee.

Trend	Rating
+4.0%	

Between 2015 and 2016, the Pioneer Valley region saw an increase of 984 employers, representing a rate of growth of 4.0%. While all three counties in the region experience similar trends, the largest area of growth was in Hampden County and within the urban core cities of Springfield and Holyoke. Holyoke was particularly strong with a growth rate of 6.6%.

Source: MA Executive Office of Labor and Workforce Development

### Jobs

In addition to measuring the number of employers supported by an economy, measuring the total number of jobs reflects the size and strength of those employers. It gives perspective on the number of employment opportunities that exist within the region. Additionally, the number of jobs can add nuance to unemployment rates. For example, increased unemployment coinciding with increased jobs may suggest that a larger portion of the employment opportunities are part time and people are working multiple jobs at the same time rather than more people getting full time jobs. This indicator measures the total number of jobs that exist in an area.

Trend	Rating
+1.9%	

Between 2015 and 2016, the Pioneer Valley saw a slight increase in the number of jobs by 1.9 percent. This trend was seen in each county, with all three experiencing increases in the number of jobs throughout the year.

Source: MA Executive Office of Labor and Workforce Development

### Properties Ready for Development

A critical component to a region's economic competitiveness is whether vacant commercial properties are available and ready to be used by companies who may want to grow within, or move to, the area. If properties are polluted or have buildings that need to be demolished, the likelihood of new employer prospects choosing that site are significantly diminished. This indicator measures the number of commercial properties that are pre-permitted by WestMass Area Development Corporation and are ready for occupancy.

Trend	Rating
0.0%	

Between 2016 and 2017, the number of sites ready for development in the Pioneer Valley remained the same. Most pre-permitted sites are located in Hampden County, with one site in Hampshire County.

Source: WestMass Development Corporation

## Low Income and Poverty

Poverty rates are an important indicator of what portion of a community's population likely lacks the necessary resources to provide for themselves or their families. The most widely used measure of poverty is the federal poverty rate, which is the percentage of all people who are living in households with incomes that fall below the federal poverty line. The poverty line is established based on the current cost of basic goods and services (such as food, housing, transportation, and other goods and services), and what proportion of family income is spent on those items. While the threshold is adjusted over time and is dependent on family size and ages of family members, it is increasingly thought to understate the extent of poverty. The threshold in 2016 was \$15,569 for a two person household – a very low level of income given that a low-cost one-bedroom apartment in western Massachusetts will typically rent for more than \$8,800 per year.

Because the federal poverty line is so low and generally misses a large portion of the population who are in economic distress, this indicator measures the percentage of the population living below 200% of that line. Poverty rates are calculated by the U.S. Census Bureau based on the income and number of people in each household.

Slightly less than one out of every three people in the Pioneer Valley live in households with incomes below 200% of the poverty line (30.9%). While this remains high, there was significant improvement between 2015 and 2016. All three Counties experienced improvement in their poverty rates, with Franklin and Hampden Counties improving by more than 6% each, and Hampshire County improving by almost 17%.

Trend	Rating
-8.6%	

Source: U.S. Census Bureau, American Community Survey 1-Year-Estimates

## Goal #3: Implement and Enhance the Infrastructure that Connects, Sustains and Ensures the Safety and Resiliency of the Region and its Economy

### High Speed Internet

Without a modern, high quality network of infrastructure, a region cannot sustain economic activity, retain its students and workers, or attract visitors, tourists and investment. High-speed internet access has become a core requirement for economic development well beyond technology and business fields. It is now an expected service for most businesses, governments, and educational institutions, even for activities like elementary school homework.

This indicator measures the percent of the population with access to high speed internet, as defined by the Federal Communications Commission (FCC). In 2015, the FCC increased the download speed standard for broadband, which is now 25Mbps.

Between 2013 and 2014, the percent of the population with access to high-speed internet remained stable, increasing just 0.5% (from 94.8 to 95.3%). This rate is just under the Massachusetts state average of 97%, and above the national average of 85.3 percent.

The FCC recently updated their standards and calculations on this measure. These new standards are not easily comparable to previous measures. For this reason, there is not yet trend data for 2017. Future reports will provide trends based on this new standard.

Source: US Dept of Commerce, National Telecommunications and Information Administration, State Broadband Initiative (CSV format June 31, 2013).

Trend	Rating
+0.5%	

### Bridge Conditions

Safe and efficient transportation of people and goods are essential to an economically vibrant region. The network of roads and bridges must continue to be developed and maintained as both are degraded by use and weather over time. Bridges are considered structurally deficient through a rating system developed by the Association of State Highway and Transportation Officials (AASHTO). A bridge is deemed “structurally deficient” when it scores poorly on “structural adequacy, functional obsolescence and serviceability” by the Massachusetts Department of Transportation (MassDOT). Since 2008, MassDOT’s Accelerated Bridge Program sought to identify and reduce the number of structurally deficient bridges across the state, several of which are located across the Pioneer Valley. This indicator measures the total number of bridges deemed structurally deficient within the region. The data was only available for bridges eligible for federal aid. New data is not yet available, although MassDOT continues to work on making this data available.

Source: MassDOT

Trend	Rating
Data Available Soon	

### Road Pavement Conditions

Similar to bridge maintenance, quality of road pavement conditions affect freight deliveries, tourism, and daily commuters. Road pavement conditions are measured using the Overall Condition Index (OCI). While the Pioneer Valley Planning Commission collects data for all 43 municipalities in the region, the Franklin Regional Council of Governments conducts a survey of road conditions in Franklin County using a different system. Thus, a comparison between the two areas is not possible. OCI values span from 0 to 100, where zero indicates that the road is impassable and 100 indicates that a road is in excellent condition. Average OCIs are computed for each community for the total number of miles of road eligible to receive federal aid.

Trend	Rating
-3.9%	

Most recently, data was collected for the Pioneer Valley Region (Hampden & Hampshire Counties) in 2011 and again in 2015. During this time, pavement conditions across the Pioneer Valley region worsened by an average of 3.9% annually. Trends were fairly similar in both counties, though the decrease was more significant in Hampden County which experienced an average annual drop of 4.4 percent. This data is collected and reported on over a four year period. The next available data will be in 2019.

Source: Pioneer Valley Planning Commission

## Transit Ridership

Public transit use and access directly reflect the degree to which a regional transit network and its corresponding schedules meet the needs of residents, workers, and employers. An effective public transit system with extensive, regular ridership decreases traffic and travel times, reduces pollution, and creates desirable places to live and work for a diverse area of people. People who cannot afford cars or would rather not drive them on a regular basis are more likely to live near extensive and efficient public transit networks. In this scenario, businesses are also more accessible to employees and customers. This indicator measures the total annual rides on the two major transit authorities within the region (PVTA and FRTA) as well as Amtrak trains that service the region.

Trend	Rating
<b>-5.9%</b>	

Between FY2016 and FY2017, decreased significantly by 5.9%. Both bus and train ridership decreased, although the decrease in bus ridership was much more pronounced at almost 6% reduction. This is a nationwide trend, but in the Pioneer Valley in particular, this decrease is similar to all transit agencies in the Northeast, with likely causes including Uber/Lyft, lower unemployment, and cheaper car loans.

Source: Amtrak, Franklin Regional Transit Authority (FRTA), and Pioneer Valley Transit Authority (PVTA)

## Bike Infrastructure

Bicycling is generally regarded as one of the most efficient means of transportation - both for the user and the environment at large. Providing and continually extending bicycle-friendly paths can assist communities improve connectivity between destinations, provide transportation options to all users, and reduce transportation impacts on the environment. The availability of bicycle transportation is also an important factor in individual health outcomes.

Trend	Rating
<b>3.2%</b>	

This indicator measures the total number of miles of on and off-road improved bike facilities. 'Bike facilities' is a broad term that encompasses sign-posted in-road bike routes, bike lanes, shared use paths and paved bike shoulders.

There has been a steady increase in bike infrastructure, averaging annually to about 3.2%. In 2013, a total of 84.7 miles of bike facilities existed across the Pioneer Valley. Since that time, many proposed bike facilities have been built, and the total has increased to about 98 miles is completed. Bike facilities in the region seem to be concentrated in the more rural and less populated areas of the region.

Source: Pioneer Valley Planning Commission, MassGIS

## Transportation & Housing Costs

Transportation and housing are generally the two most significant expenses for households. As a result, a region's affordability is increasingly being examined specifically based on the cost of these two major domains. The U.S. Department of Housing and Urban Development (HUD) has developed a method of examining these factors in relation to income by comparing these combined average expenses as a percent of household incomes. This measure is called the Location Affordability Index (LAI). For this indicator, the average household contains four people, two of whom commute.

The LAI is not calculated annually, and the most recent data was published in 2012, and was based on Census data from 2008-2012. At that time, an average four person household with two commuters in the Pioneer Valley spent about 52% of the household's income on housing and transportation costs.

New data is expected to be released later in 2019.

Source: U.S. Department of Housing and Urban Development (HUD) Location Affordability Index

Trend	Rating
Trend Data Not Yet Available	

## Affordable Housing

The economic competitiveness of a region depends on the ability of workers of all income levels to find reasonably affordable housing. The state's Comprehensive Permit Law, alternatively called "Chapter 40B" was adopted in 1969 to address racial and economic segregation, shortages in decent housing, inner city poverty, and exclusionary zoning practices in suburban and rural communities. It compels communities to have at least 10 percent of all housing set aside as affordable housing that is protected by long-term affordability restrictions. Communities below 10 percent must allow a streamlined process for proposed housing developments on the condition that 25 percent or more of the proposed units are reserved for low or moderate income households. This indicator measures the percent of all housing units in a community that are designated as subsidized housing units. Not included in this indicator is housing that is affordable, but does not have established long-term affordability restrictions attached to the property.

In 2016, there were eight communities in the Pioneer Valley that met this requirement, including many of the larger municipalities. For 2018, there were still eight communities..

Source: MA Department of Housing and Community Development, Subsidized Housing Inventory

Trend	Rating
0.0%	

## Home Ownership

Home ownership is a significant indicator of economic security. The primary financial investment for the vast majority of people in the U.S. is their home. Home ownership strengthens communities by building a strong connection between people and the place they live. However, the downside of a high owner-occupancy rate is that rental options for young, old, or transitional populations are limited. A lack of rental options, often supported by local zoning regulations, can also help to perpetuate socio-economic segregation throughout the region. Home ownership is expressed as the percent of all housing units that are occupied by the property's owner. This indicator measures the percentage of housing units (including condominiums, apartments, houses, and mobile homes) that are occupied by the owner, as opposed to a renter. The American Community Survey collects and analyzes this data, and provides estimates on an annual basis.

The percent of owner-occupied housing units in the Pioneer Valley increased slightly from 63.2% in 2015 to 63.6% in 2015. This trend was consistent across all three counties Hampden and Hampshire

Trend	Rating
+0.7%	

counties, with each experiencing increases between 0.1% and 1.0%. In the Urban Core, Holyoke increased by 3% while Springfield actually declined by 1.1%..

Source: U.S. Census Bureau, American Community Survey, 1-year-Estimates

**Combined Sewer Overflows**

Ordinarily, storm water is sent to a wastewater treatment plant before it is emptied to a river. However, during high rainfall events, treatment plants may not be able to process all wastewater. Combined sewer overflows (CSOs) were built as a way to deal with this excess wastewater, essentially bypassing the treatment plant. However, the Massachusetts Department of Environmental Protection (MassDEP) is working to reduce the amount of active CSOs across the state in an effort to reduce water pollution. MassDEP’s Western Regional Office maintains a list of active CSOs within the region.

Trend	Rating
<b>-3.3%</b>	

Between 2016 and 2016, the number of CSOs draining to the Connecticut River or its tributaries fell from 61 to 59, for an average decrease of 3.3% per year. Both of the CSOs that were removed were located in the City of Chicopee. All remaining CSOs within the region are located throughout Hampden County.

Source: MA Department of Environmental Protection

## Goal #4: Conduct Economic Development Activities in a Regionally Responsible Manner, Prioritizing Collaboration and Engagement

### Income Inequality

In addition to educational, employment, poverty, transportation, and housing indicators, the overall level of economic inequality has important economic development implications. A community with lower levels of economic inequality is more likely to have economic and social stability at a community-wide level. Income inequality is a good way to provide a snapshot of how income is distributed throughout a region. The Gini Coefficient is one way to measure a region's level of inequality. This indicator is a measure of how income is or is not equally distributed through a particular area. The Gini Coefficient is measured on a scale of 0 to 1, where 0 is complete equality and 1 is complete inequality.

County	Trend	Rating
Hampden County	-2.9%	
Hampshire County	-2.6%	
Franklin County	+2.8%	

This particular indicator does not allow calculating income inequality across the entire Pioneer Valley in a reliable way, but rates are available within each county area. Within the Pioneer Valley, income inequality has decreased in Hampshire County and Hampden County, but increased in Franklin County. Between 2015 and 2016, income inequality decreased 2.6% across Hampshire County and 2.9% across Hampden County.

Source: U.S. Census Bureau, American Community Survey 1-Year-Estimates

### State Funding - Non-School Local Aid

Local aid provided by the Commonwealth of Massachusetts to municipalities is a significant source of budget revenue. While much of this aid provides funding for the local school system, it also funds veterans benefits, public libraries and general community programming. Municipalities track their funding on 'Cherry Sheets' which are maintained by the Massachusetts Department of Revenue.

Trend	Rating
+3.1%	

Total non-school local aid increased 3.1% in the Pioneer Valley between FY2017-FY2018. Increases occurred across all three counties in the region, with Hampden County experiencing the largest increase of 3.5%. Hampshire and Franklin experienced more modest increases of 2.5% and 1.6%, respectively.

Source: MA Department of Revenue

### Leadership Programs

A key strategy of the Plan for Progress is to ensure the development and mentorship of a new generation of collaborative, diverse, professional and civically engaged leaders who will ensure that the future of the Pioneer Valley continues to be bright. The region has a few specific programs designed for supporting this type of leadership. This indicator measures the total number of graduates from all leadership programs within the region, including the Women's Fund of Western Massachusetts, Leadership Pioneer Valley, Leadership Holyoke which is run by the Holyoke Chamber of Commerce, Springfield Leadership Institute which is run by the Springfield Chamber of Commerce, in partnership with Western New England College of Business.

Trend	Rating
-15.0%	

The number of graduates from these leadership programs decreased by 15% between 2016 and 2017. A primary cause for this was the lack of a Holyoke Leadership Program. This will be revived for 2018.

Source: Leadership Pioneer Valley, Springfield Leadership Institute, Leadership Holyoke

## Active Voters

Voter registration is one method to measure the level of citizen engagement in the political process and the civic concerns of their community. Low voter registration rates can be interpreted in many ways. Some argue that low voter registration rates reflect a citizenry’s lack of interest in the political process, a disconnection between citizen and government, and a sentiment that participation does not affect outcomes. Another interpretation of low voter registration is that this trend reflects a citizenry that is satisfied with the status quo. Language and educational barriers also influence voter registration rates by inhibiting participation. Voter registration rates are, in some ways, a better indicator of civic participation than voter turnout rates because the former do not reflect as much year-to-year variation based on the issues or elections on the ballot. This indicator measures the total number of registered voters divided by the total population over the age of 18, which approximates the voter registration rate.

Trend	Rating
-0.5%	

Between 2016 and 2018, the voter registration rate decreased slightly, from 85.3% in 2016 to 84.5% in 2018. Increases occurred across all three counties in the region.

Source: Massachusetts Secretary of the Commonwealth, Elections Division, U.S. Census Bureau, American Community Survey 1-Year-Estimates

**APPENDIX A:**  
**PLAN FOR PROGRESS COORDINATING COUNCIL MEMBERSHIP**

June 2018

Kathleen Anderson, *President, Greater Holyoke Chamber of Commerce*  
Suzanne Beck, *Executive Director, Greater Northampton Chamber of Commerce*  
Debra Boronski, *Western MA Regional Director, Massachusetts Office of Business Development*  
Timothy Brennan, *Executive Director, Pioneer Valley Planning Commission*  
Ward Caswell, *President, Beveridge Family Foundation*  
Jessica Collins, *Executive Director, Public Health Institute of Western Massachusetts*  
Patricia Crosby, *Executive Director, Franklin/Hampshire Regional Employment Board*  
Dianne Fuller Doherty, *Building Capacity Consultant*  
Linda Dunlavy, *Executive Director, Franklin Regional Council of Governments*  
Jonathan Edwards, *Director of Strategic Partnerships, Tech Foundry*  
Dan Felten, *Board of Directors, Northampton Chamber of Commerce*  
Martha Field, Ph.D., *Professor, Economics & Business, Greenfield Community College*  
Brooks Fitch, *Consultant*  
Thom Fox, *Chief People Officer, Giombetti Associates*  
Jeffrey Hayden, *Vice President, Business and Community Services, Holyoke Community College*  
Daniel Hodge, *Principal, Hodge Economic Consulting*  
Samalid Hogan, *Regional Director, Western Massachusetts Small Business Development Center*  
David Howland, *Regional Engineer, Massachusetts Department of Environmental Protection*  
Geoff Little, *Consultant*  
Michael Malone, *Vice Chancellor for Research and Engagement, University of Massachusetts/Amherst*  
Larry Martin, *Director of Employment Services and Engagement, Regional Employment Board of Hampden County*  
Terence Masterson, *Economic Development Director, City of Northampton*  
Laura Masulis, *Transformative Development Fellow, MassDevelopment*  
Kevin Maynard, *Attorney, Bulkley, Richardson and Gelinas, and Chairman, Leadership Pioneer Valley*  
Marikate Murren, *Vice President of Human Resources, MGM Springfield*  
Russell Peotter, *Advisor, WGBY – 57*  
Kate Phelon, *Executive Director, Greater Westfield Chamber of Commerce*  
Shayvonne Plummer, *Senior Project Manager & Brownfield Coordinator, City of Springfield Office of Planning and Economic Development*  
Katherine Putnam, *Chief Strategy Officer, Tursus LLC and Mentor, MIT Venture Mentoring*  
Robert Reckman, *Northampton*  
Jessica Roncarati-Howe, *Executive Director, Chicopee Chamber of Commerce*  
Christina Royal, Ph.D., *President, Holyoke Community College*  
James Shriver, *Chairman, Chamber Energy Coalition, Inc.*  
Christopher Sikes, *Chief Executive Officer, Common Capital*  
Richard Sullivan, *President/CEO, Economic Development Council of Western Massachusetts*  
Michael Suzor, *Assistant to the President, Springfield Technical Community College*  
Rebecca Townsend, *Professor of Communication and Chair, Dept. of Communications and Humanities, Manchester Community College*  
Oreste Varela, *Springfield Branch Manager, U.S. Small Business Administration*  
Mary Walachy, *Executive Director, Irene E. & George A. Davis Foundation*  
Kwame Webster, *Managing Director, Teach for America – Western Massachusetts*  
Lora Wondolowski, *Executive Director, Leadership Pioneer Valley*  
David Woods, *Consultant*  
Katie Zobel, *President, Community Foundation of Western Massachusetts*



