

PASSAIC COUNTY

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PASSAIC COUNTY FUTURE

SUSTAINABILITY ELEMENT OF THE
PASSAIC COUNTY MASTER PLAN

Final Plan

April 2013

Prepared By:

County of Passaic
Department of Planning and Economic Development

PASSAIC COUNTY PLANNING BOARD

PASSAIC COUNTY FUTURE

SUSTAINABILITY ELEMENT OF THE PASSAIC COUNTY MASTER PLAN

This Sustainability Master Plan Element was adopted
by the Passaic County Planning Board
at a public meeting held on May 2, 2013

A handwritten signature in blue ink, appearing to read "M. La Place", is centered on the page.

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2013

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Executive Summary

In 2006, the Passaic County Board of Chosen Freeholders established the Citizens' Advisory Committee on Energy Issues to "review areas where the County can realize both economic savings and environmental benefits." In the six years since, the committee has evolved to focus on energy and sustainability issues, while maintaining its core mission of evaluating fiscal and environmental benefits for Passaic County.

The Committee has completed Energy Audits of all major County facilities, instituted certain green procurement options, and enacted sustainable policies for County operations, including R-08-537 Green Building Resolution (6/24/2008) and R-12-699 "Green Fleet" Policy (9/11/2012). Now is the time for even greater action and implementation. The Energy & Sustainability Committee as well as Passaic County staff and officials recognize the need for a systematic approach to realize the most gains from their sustainability efforts, and a strategic approach toward future actions.

Passaic County Future fills that need, outlining a comprehensive action plan with distinct goals and strategies to achieve a sustainable future for Passaic County. This plan represents a commitment to improving public health and the quality of life for all residents, visitors and businesses in our community.

Such a commitment cannot be accomplished alone, but will require mutually-beneficial collaboration and partnerships with municipal, state and federal agencies, nonprofit and community groups, public corporations and universities, as well as private sector businesses. Together, we can ensure Passaic County's **Rich History • Bright Future.**

The Passaic River



*The Great Falls of the Passaic River
Paterson Great Falls National Historical Park
City of Paterson*



*The Little Falls of the Passaic River
Township of Little Falls*



*Dundee Dam
City of Clifton*

Passaic County Community

Passaic County is marking 175 years of rich history by envisioning a bright future for our residents, businesses, institutions, and community. Since its formation in 1837 from sections of neighboring Bergen and Essex counties, Passaic County has been a leader in economic development, land use planning, transportation, industry, environmental resources, and the delivery of critical financial, technical and logistical support to local municipalities. It is a proud tradition we will continue into the future.

Situated in northeastern New Jersey, Passaic County is composed of sixteen municipalities spanning nearly 200 square miles, bordered to the north by New York State, to the south by Essex and Morris counties, to the east by Bergen County, and to the West by Sussex County. Resembling a “tilted hourglass,” Passaic County’s boundaries naturally divide the County into northern and southern halves. Northern Passaic County is older suburban and rural to semi-rural, entirely in the Highlands Preservation and Planning Areas, with scenic vistas and environmentally sensitive forested areas surrounding reservoirs that provide drinking water to nearly four million residents in New Jersey’s urban core, roughly half the state’s population. Southern Passaic County is suburban and urban, including the cities of Passaic, Clifton and the County seat Paterson comprising a population equaling that of Newark, with approximately 502,007 residents in the entire County¹.

Passaic County is summarized in one word — diverse. Diversity in land use is paralleled by

socioeconomic, religious, cultural, and historical diversity among the Passaic County population. Socioeconomically, the median household income in Passaic County is \$54,944,² yet 16.4 percent of residents are below the poverty level,³ with 4.4 percent of all Passaic County households estimated to have low food security and 2.1 percent of all Passaic County households estimated to have very low food security.⁴

Culturally, Passaic County is 76 percent Caucasian, 14.7 percent African American, and the remaining 9.3 percent is divided among various ethnic groups. Notably, 37.7 percent of the above referenced population is considered Hispanic. Numerous languages are spoken in Passaic County households, with 46.1 percent speaking primary languages other than English (with 27.1 percent of residents born outside the United States).⁵

Passaic County’s workforce is 251,834 residents strong, with 82.9 percent of the population 25 years and older holding a high school diploma and 26.9 percent holding a bachelor’s degree or higher.⁶ The County has two universities, William Paterson and Montclair State, in addition to Berkeley College and Passaic County Community College.

Passaic County’s history and landmarks offer visitors an opportunity to take a step back in time. Paterson was named after William Paterson, the Governor of New Jersey (1789-90). The City of Paterson’s Great Falls Visitor Center offers historic guided walking tours featuring the industrial-era architecture. Lambert Castle was constructed in 1892 for the silk manufacturer Catholina Lambert. The Castle was purchased and renovated by the Passaic County Park Commission in 1928. The man-made Morris Canal ran through northern New Jersey

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for nearly a century and connected the Delaware River with the Hudson River, transporting people and goods throughout the state and through six Passaic County municipalities. As County Historian E.A. Smyk wrote in "An Essay on the Events that Resulted in the Creation of the County of Passaic,"

To this day, Freeholders continue to grapple with the demands made upon county government. Problems and issues have changed with the passing centuries... What we do, in celebrating the 175th anniversary of

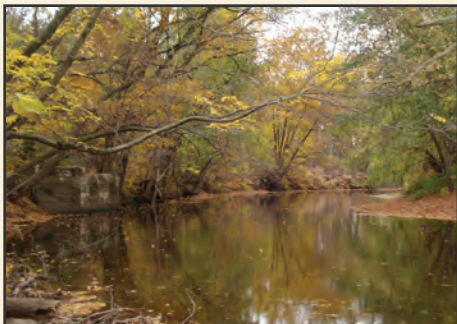
establishing Passaic County, is to underscore our traditions of democratic government, and to extract good from them, with the anticipation of a brighter, robust future.

With such a vibrant community, rich history, and strong education and transportation systems, Passaic County is a great place to live and work today. This plan seeks to ensure that Passaic County remains a great place where future generations of residents can enjoy an even better quality of life, safeguarding our **Rich History · Bright Future.**

Water in Passaic County



Monksville Reservoir
Township of West Milford



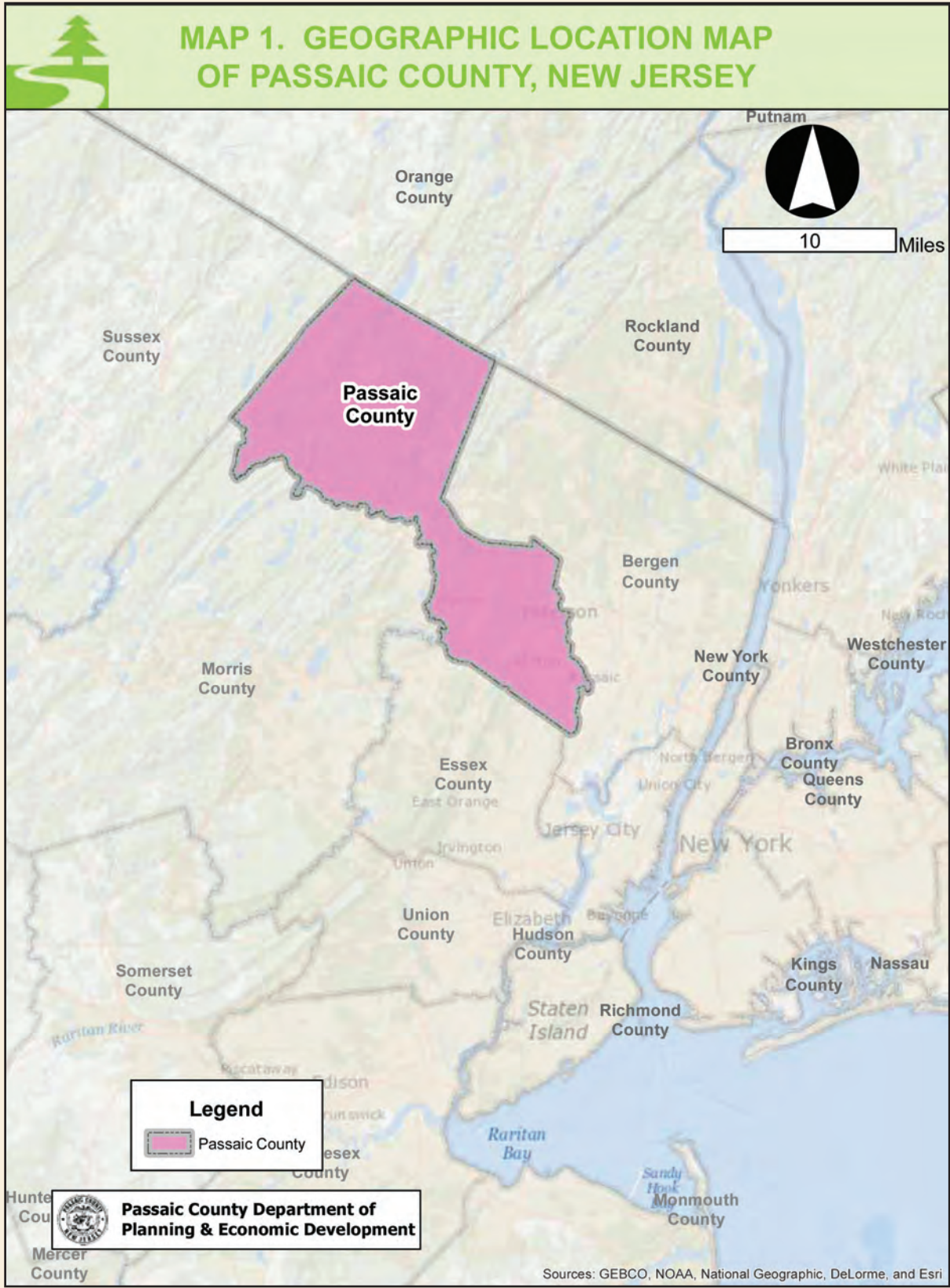
Pequannock River
Borough of Pompton Lakes



Molly Ann Brook
City of Paterson



Raceways
City of Paterson



Vision for a Sustainable Future

Defining Sustainability

Passaic County defines sustainability as **a systematic approach that supports economic responsibility, environmental stewardship and a thriving community to achieve and encourage the highest level of efficiency and conservation of resources in local government operations.**

This “systems-thinking” approach leads to an accounting system that reaches the triple bottom line of fiscal, social and environmental performance.⁷

Vision Statement

To be a sustainable local government means that the Passaic County governing body considers the direct and indirect fiscal, social and environmental impacts of their decisions, resulting in policies that reduce waste to promote efficiency and effectiveness across all three areas. In carrying out the policies enacted by the governing body, Passaic County staff equally considers the fiscal, social and environmental impacts of their actions and operations.

The Passaic County Board of Chosen Freeholders strive to provide effective services that fulfill the needs of Passaic County residents today, without compromising the ability of future generations of Passaic County residents to meet and exceed our quality of life. The goals and strategies outlined in this plan were thoughtfully designed to guide Passaic County toward our vision for a sustainable future.

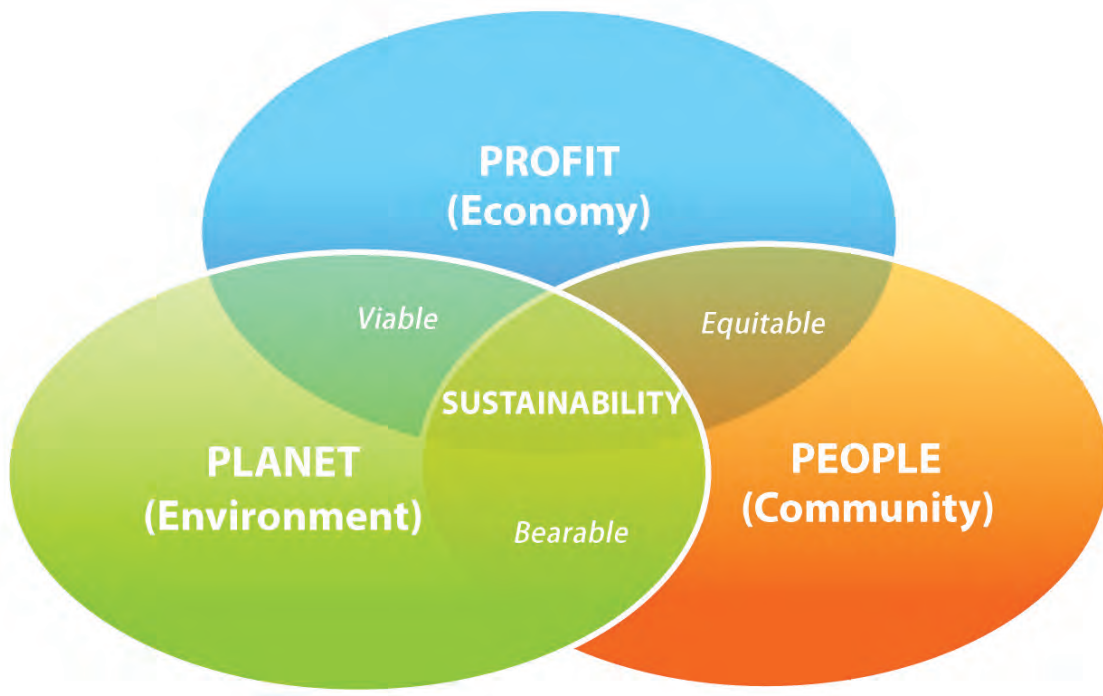


Figure 1. Triple Bottom Line⁸



Figure 2. Vision for a Sustainable Passaic County Future

Purpose

The intent of *Passaic County Future* is to provide a comprehensive action plan for Passaic County that establishes Goals and Strategies to achieve sustainability in government operations.

- Establish an implementation schedule for the aforementioned strategies throughout Passaic County Facilities and Operations, where feasible and legally appropriate.
- Promote Passaic County as a sustainable community, and a great place to live, work and play.
- Serve as a resource for Passaic County municipalities that choose to achieve sustainability in their jurisdictions.
- Liaise with present and future regional and statewide sustainability planning efforts.

Adopting a sustainability element of the County Master Plan will have the additional benefit of improving Passaic County’s position to access certain grant funds in order to complete actions and projects recommended in the plan.

Methodology

Planning Staff brought the concept of drafting a Sustainability Element of the Passaic County Master Plan to the November 2011 Energy & Sustainability Committee meeting. Feedback from the Freeholders received at that meeting stressed the economic benefits of environmental sustainability programs to County government and the potential cost savings associated with more efficient and effective government operations.

With that guidance, planning staff gathered together a working group of local Environmental Commission and Green Team members, representatives from William Paterson and Montclair State universities, and sustainability experts to draft a purpose for the plan and a vision for a sustainable Passaic County.

Noting the Freeholders’ direction to emphasize fiscal sustainability, the plan creates a vision for a sustainable Passaic County with an emphasis on County government operations. To achieve this vision, the working group consulted sustainability master plan elements from other communities

PASSAIC COUNTY FUTURE

across the country, and the model goals outlined by the STAR Community Index⁹ to develop guiding principles and goals for this master plan element.

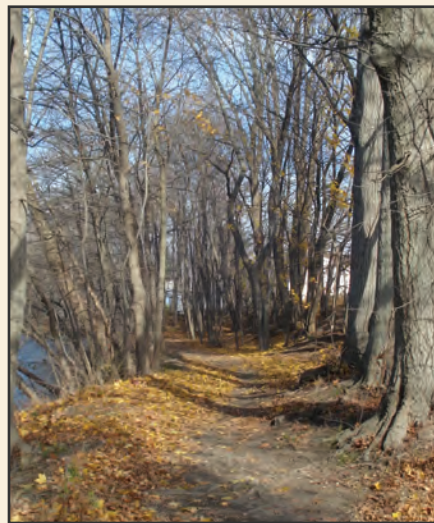
There are seven guiding principles that direct the goals, which are divided into three categories: *environment*, *economy*, and *community*, and are accompanied by specific strategies to achieve these goals. Many strategies are already in progress by various Passaic County departments, agencies, and affiliated autonomous bodies for the benefit of Passaic County residents. Additional strategies recommended by the working group include ways to build upon or expand these efforts and their benefits, and outline new efforts to be undertaken in the future. The strategies are organized as a matrix, with each strategy clarifying the County department or agency primarily responsible for completing the strategy, and partners responsible for assisting with the strategy, its primary impact, projected time frame, and corresponding goal(s) which the strategy would help to achieve.

Attaining a sustainable future for Passaic County is a collaborative effort which will require cooperation from partners in all levels of government, nonprofit and nongovernmental entities, as well as community groups and organizations. Therefore, the plan concludes with appendices of other plans, policies, and efforts from within and beyond Passaic County government that are crucial to realizing the goals set forth in this plan.

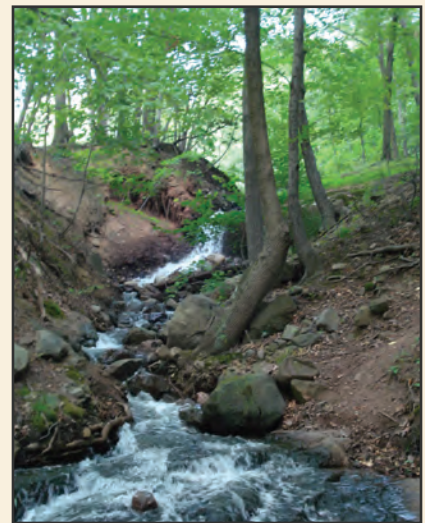
Some communities have called their sustainability master plan element, "Greenprint," or what New Jersey's Municipal Land Use Law titles, a "Green Building and Environmental Sustainability Element"; however the Sustainability Working Group recognized the need for the plan (and its title) to be more comprehensive. Furthermore, the plan will resonate with the actions of nearly every department and County government. Therefore, the working group decided upon the title, *Passaic County Future* with the subtitle, *a Sustainability Element of the Passaic County Master Plan*.



Ringwood Manor State Park
Borough of Ringwood



Ramapo River - Morris Canal Towpath
Township of Wayne



Third River - Rifle Camp Park
Borough of Woodland Park

Guiding Principles

Think — and act — systemically.

Sustainable communities take a systems-thinking approach by recognizing that their actions affect people, nature and the economy. Passaic County considers the direct and indirect fiscal, social and environmental impacts of its actions, decisions and policies.

Instill resiliency.

Sustainable communities possess a strong capacity to respond to and bounce back from adversity. Passaic County actively helps residents, businesses, institutions, and municipalities to effectively prepare for and respond to disruptions.

Conserve and protect.

Sustainable communities steward and conserve natural resources. Passaic County recognizes the need to assess our resources, track impacts and take corrective action when needed, thereby ensuring our capacity to meet the needs of today without depleting resource availability for future generations.

Cultivate collaboration.

Sustainable communities engage all facets of society by working together for the benefit of the whole. Passaic County seeks to bring residents, businesses, institutions, and municipalities together to create a culture of collaboration that encourages innovation, sharing of resources and jointly shared accountability for results.

Embrace diversity and ensure equity.

Passaic County respects, celebrates and fosters ethnic, cultural, socioeconomic, and biological diversity within our community. The County fairly allocates resources and opportunities to its citizens, and actively works to eliminate barriers to full participation in community life.

Provide leadership and foster innovation.

Sustainable communities provide leadership by capturing opportunities and responding to challenges with action and results. Passaic County recognizes our capacity to effect change by backing visionary policies with practices that serve as an example for citizens and businesses to emulate. The County cultivates a spirit of creativity and proactive problem-solving to facilitate our bright future and promote innovation.

Measure progress.

Sustainable communities measure progress by improvements in the equitable health and well-being of their residents, environment and economy. The goals outlined in this plan are accompanied by specific actions to achieve them. Passaic County will periodically re-examine this Master Plan element to evaluate progress toward achieving these goals.

Environmental Principles & Priorities

Water Quality

Much of Upper Passaic County consists of environmentally sensitive areas which can be defined as large contiguous plots of land that have remained undeveloped and natural in character. These areas contain valuable ecosystems and habitats, and therefore must be conserved in order to protect precious resources such as clean, fresh water upon which New Jersey residents rely. One of the most notable features of environmentally sensitive land is that it provides the function of recharging aquifers and naturally cleansing stormwater runoff. These functions and ecological services are typical of permeable surfaces such as forest floor, exposed urban soil and cobble stone. In Passaic County's effort to ensure a sustainable clean water supply, conserving environmentally sensitive areas and including permeable surfaces where possible in the developmental planning process should be considered a high priority.

Policy Foundations

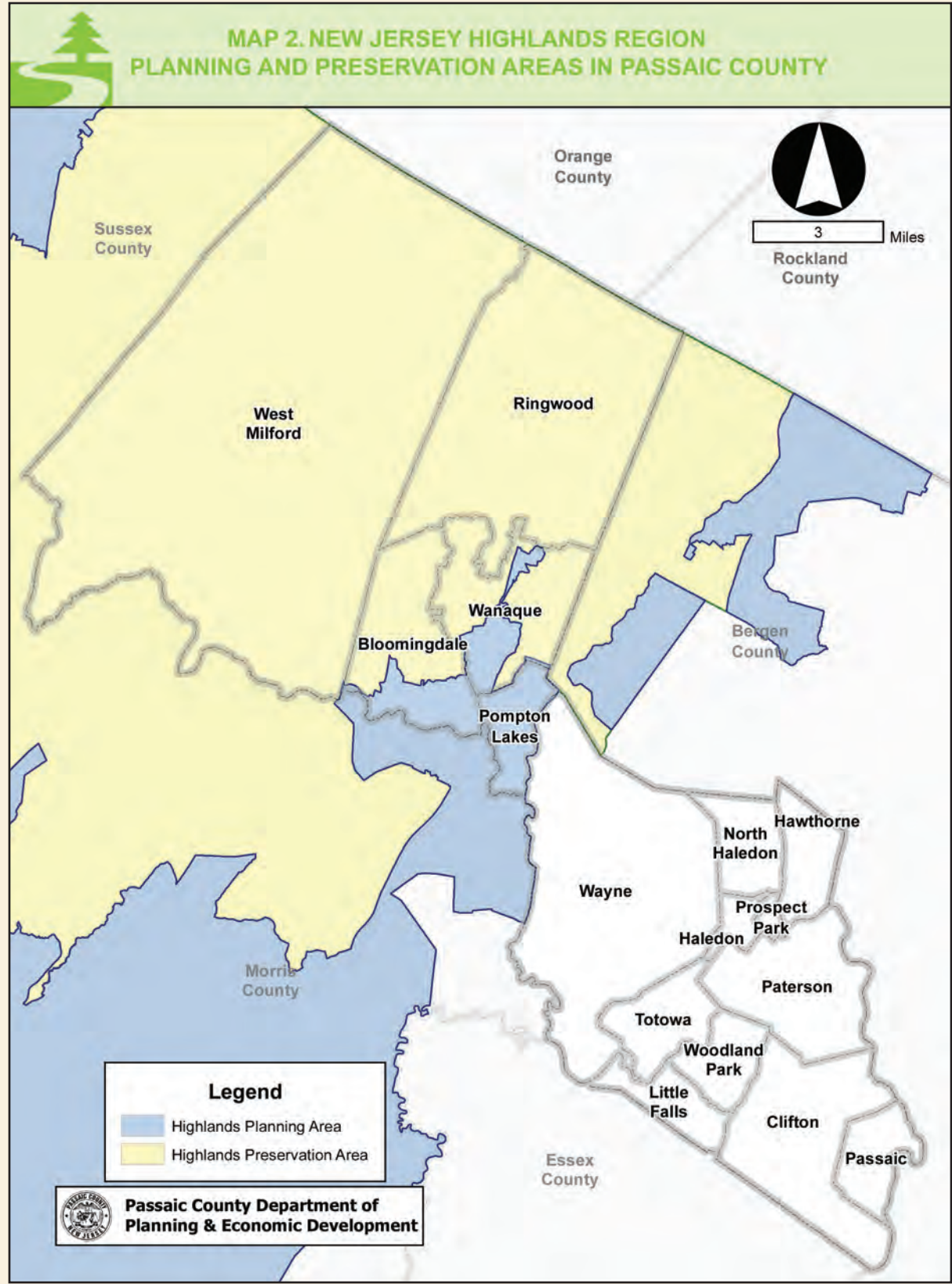
The Federal Water Pollution Control Act of 1972, commonly referred to as the *Clean Water Act* (CWA), establishes the basic structure for regulating discharges of pollutants into the waters of the United States and regulating quality standards for surface waters. Under the CWA, the Environmental Protection Agency (EPA) has implemented pollution control programs such as setting wastewater standards for industry. Passaic County has also set water quality standards for all contaminants in surface waters. The CWA made it unlawful to

discharge any pollutant from a point source into navigable waters, unless a permit was obtained. EPA's National Pollutant Discharge Elimination System (NPDES) permit program controls discharges. Since 1981, the EPA has delegated the New Jersey Pollutant Discharge Elimination Systems (NJPDES) to issue permits through the New Jersey Department of Environmental Protection, Division of Water Quality Point sources are discrete conveyances such as pipes or man-made ditches. Individual homes that are connected to a municipal system, use a septic system or do not have a surface discharge do not need an NJPDES permit; however, industrial, municipal and other facilities must obtain permits if their discharges go directly to surface waters.¹⁰

The New Jersey *Highlands Water Protection and Planning Act* was enacted in 2004 with the purpose of enhancing and restoring natural resources in the Highlands region, specifically water resources, which provide drinking water to over five million New Jersey residents.

The Highlands Region

The Highlands Region encompasses some 1,343 square miles in the northwest part of New Jersey, encompassing 88 municipalities and portions of seven counties. The *Highlands Act* designates about half of the Highlands Region as Preservation Area (415,000 acres) and the other half as Planning Area (445,000 acres). The Passaic County Highlands Area is located in the northern portion of the county and consists of approximately 78,789 acres of land. The Township of West Milford and Borough of Ringwood are entirely within the Highlands Preservation Area, while the Boroughs of Wanaque and Bloomingdale are primarily in the Preservation



and partially in the Planning Areas. The Borough of Pompton Lakes is entirely within the Planning Area.

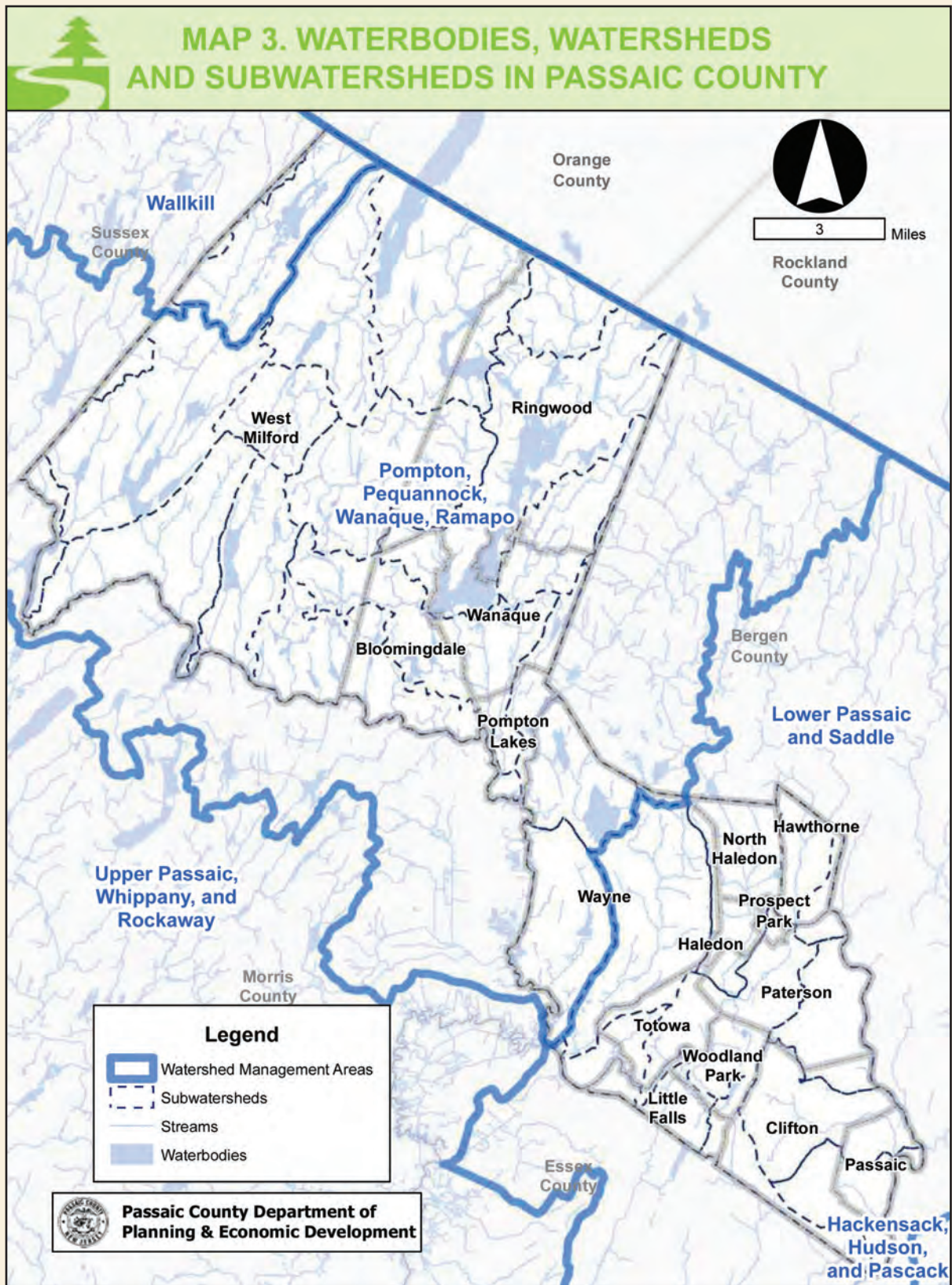
The Act created the Highlands Water Protection and Planning Council (the “Highlands Council”) and charged it with crafting a comprehensive master plan for the Highlands Region. The *Highlands Regional Master Plan* (RMP) became effective on September 8, 2008. The Act requires that county and municipal jurisdictions having lands in the Preservation Area conform to the Highlands RMP with respect to that area, while for lands located in the Planning Area conformance is voluntary. On December 13, 2010, Passaic County was the first County to come into Highlands Plan Conformance, following a successful petition for conformance, completion of an *Highlands Environmental Resource Inventory for Passaic County*, adopting *Highlands Regulations for Development of Passaic County Lands and Facilities*, and making changes to the County land use policy that place priority emphasis on the protection, enhancement and restoration of Highlands natural and cultural resources, while ensuring that land use and development activities occur only in a manner and location that is consistent with the Highlands RMP.¹¹

Passaic County continues to uphold the goals of the Highlands Regional Master Plan:

- 1. To protect, restore, and enhance the quality and quantity of surface and ground waters;*
- 2. To preserve extensive and, to the maximum extent possible, contiguous areas of land in its natural state, thereby ensuring retention of the unique and significant natural, scenic, and other resources representative of the Passaic County Highlands Area;*
- 3. To protect the natural, scenic, and other resources of the Passaic County Highlands Area, including but not limited to contiguous forests, wetlands, vegetated stream corridors, steep slopes, and critical habitat for fauna and flora;*
- 4. To preserve farmland, historic sites, and other historic resources;*
- 5. To preserve outdoor recreation opportunities on publicly owned land;*
- 6. To promote conservation of water resources;*
- 7. To promote Brownfield remediation and redevelopment, where applicable;*
- 8. To promote compatible agricultural, horticultural, recreational, and cultural uses and opportunities within the framework of protecting the environment of the Passaic County Highlands Area; and*
- 9. To prohibit or limit to the maximum extent possible construction or development which is incompatible with preservation of this unique area.¹²*

Point Source vs. Non-Point Source Pollution

Both sources of pollution have been defined by the NJDEP and other cooperative agencies, such as the NJ Department of Agriculture, local government and watershed associations. Non-Point Source (NPS) Pollution enters water bodies from a variety of sources and cannot be traced to one specific source; NPS pollution is caused by runoff from rainfall or snowmelt that moves over and through the ground, washing natural and human-made pollutants into surface waters and underground sources of drinking water. Point Source Pollution



can be traced to a single point, or output, such as a pipe or other human-made structure. Both sources have a direct impact on water quality within a watershed, which can have short-term and long-term effects on ecological and human health. Pollutants such as synthetic fertilizers and pesticides, petroleum, municipal solid waste, fecal coliform, and heavy metals are just a few examples of the contaminants that can negatively impact local water quality. Therefore, law enforcement, posted regulatory signage, community clean ups, and land stewardship all must play a cooperative role in pollution prevention.¹³

Section 319(h) NPS Grant Program: Molly Ann Brook Watershed Management Plan

Although laws for NPS pollution cannot be as readily enforced as those for point source pollution, the Watershed Restoration Section plays a major role in the statewide NPS program and administers the federal Section 319(h) grant program. Congress amended the Clean Water Act (CWA) in 1987 to establish the Section 319(h) *Nonpoint Source Management Program* that authorizes the EPA to grant money to states, territories and Indian tribes to address NPS pollution. New Jersey is authorized to receive funds through Section 319(h); consequently, Passaic County received 319(h) grant funds to prepare the *Molly Ann Brook Watershed Management Plan*, adopted and approved by the NJDEP in 2008. The Molly Ann Brook was first identified as not meeting Surface Water Quality Standards in a 1996 Section 305 (b) Report, a state-wide water quality list. This was the only water quality list published by the State of New Jersey prior to 1998, when the Molly Ann Brook was listed on the Section 303(d) list of impaired waters not attaining water quality standards due

to fecal coliform levels. The poor surface water quality of the Molly Ann Brook and its function as a key tributary of the Passaic River make improving the water quality of the Brook an environmental priority for the State of New Jersey and County of Passaic.

Improving Water Quality: Molly Ann Brook Rain Barrel & Rain Garden Initiative

Passaic County received an additional 319(h) grant in late 2008 for the Molly Ann Brook Rain Barrel and Rain Garden Initiative. The *Molly Ann Brook Watershed Management Plan* details multiple best management practices (BMPs) to improve the water quality of the subwatershed, many of which were highly technical and cost-prohibitive. The County Department of Planning & Economic Development selected the fiscally sound and educational best management practices of utilizing rain barrels and rain gardens. These BMPs provide many opportunities to educate the community and raise public awareness of nonpoint source pollution, how watersheds function and small changes that can be made to improve surface water quality while accomplishing the key goals of reducing the volume and rate of stormwater runoff.

The original scope of the 319(h) grant funded the rain barrels best management practice; however the County was able to purchase a greater quantity of rain barrels for even less money than originally anticipated. Consequently, the grant scope and budget were then modified to allocate the remaining funds to implement another best management practice, the installation of the rain gardens on public property. Expanding the program beyond rain barrels further meets the environmental needs of the Molly Ann Brook watershed by not only minimizing quantity or rate

of stormwater but by treating stormwater entering the watershed to remove some pollutants. To date, 640 rain barrels have been distributed to residents free-of-charge, and seven rain gardens have been installed on public property in four Passaic County municipalities.

Climate Change and Greenhouse Gas Emissions Reduction

Scientific consensus is that the earth's climate is changing due to increasing atmospheric greenhouse gas concentrations, and that such changes will adversely impact our local ecology, economy and public health.¹⁴ According to the New Jersey Department of Environmental Protection, "climate change poses a very real threat to New Jersey's environment and economy, especially for the state's coastal regions, agriculture, fishing and tourism industries, wildlife and public health."¹⁵ Noted potential climate change impacts for the Passaic County region include:

- *Extreme heat*, meaning more heat advisory days per season, persistent heat waves, and higher average temperatures, especially in the urban areas of Passaic County, all of which could have public health impacts including heat stress, increased pest-borne diseases, poorer air quality and respiratory diseases;¹⁶
- *Drought*, including more frequent short-term droughts caused by higher summer temperatures and decreased summer rainfall, which could impact drinking water supply, agriculture, and increase forest fires;¹⁷
- *Flooding*, caused by more extreme and frequent rain events,¹⁸ which would stress the already flood-prone Passaic River Basin;

- *Sea-level rise*, which may indirectly impact Passaic County by deteriorating New Jersey's \$30 billion tourism industry as well as effecting the state's transportation system and other critical infrastructure;¹⁹

Policy Foundations

Recognizing New Jersey's distinct vulnerability to climate change impacts, the state enacted the *Global Warming Response Act* (GWRA) (P.L. 2007, c.112), which limits the level of statewide greenhouse gas emissions and greenhouse gas emissions from electricity generated outside the state but consumed in the state to below 1990 levels by 2020, with further reductions to 80 percent below 2006 levels by 2050.²⁰

New Jersey's *Energy Master Plan Statute* (N.J.S.A. 52:27F-14) requires a 10-year master plan for the "production, distribution, and conservation of energy in New Jersey." The state's current *Energy Master Plan* outlines five overarching goals to "manage energy in a manner which saves money, stimulates the economy, creates jobs, protects the environment, mitigates long-term cumulative impacts, and is consistent with the goals of the State Strategic Plan." These goals include objectives for energy efficiency, conservation, and technological innovation, as well as support for the energy portfolio standard that binds utility companies to generate 22.5 percent of energy from renewable sources by 2021. The *Energy Master Plan* also aspires to fulfill 70 percent of New Jersey's electric needs from cost-effective and "clean" or "carbon-free" energy sources by 2050, utilizing a broad definition of 'renewable' that explicitly does not include coal.²¹

Greenhouse Gas Emissions Inventory

New Jersey's first statewide greenhouse gas inventory and forecast estimates that activities in the state produced 142.1 million metric tons of gross carbon dioxide equivalent in 2005, an amount equal to two percent (2%) of total United States gross greenhouse gas (GHG) emissions. New Jersey's gross GHG emissions rose nine percent (9%) from 1990 to 2005, at a slower rate than gross United States emissions, which rose 16 percent over the same period. The inventory also found that the primary emissions sources were associated with transportation, electricity consumption, as well as residential, commercial, and industrial fuel use sectors.²²

The North Jersey Transportation Planning Authority (NJTPA) completed a *Regional Greenhouse Gas Emissions Inventory and Forecast* for the thirteen northern-most counties in the state (the NJTPA region), which provides a more detailed picture of greenhouse gas producing activities at regional, county and municipal levels. The NJTPA GHG

inventory utilizes direct emissions, those emissions that take place within the northern New Jersey region (e.g., the combustion of motor fuels in vehicles), as well as consumption-based emissions and energy-cycle emissions, those emissions associated with the consumption of a product or process which may not have been produced in the region (e.g., the generation of electricity, extraction, processing, and transport).²³

According to the NJTPA Inventory, the Northern New Jersey region produced 86.8 million metric tons (mmt) of gross carbon dioxide equivalent (CO₂e) in 2006. The primary emissions sources in the region were electricity consumption (36%), use of fossil fuels for homes, businesses and industry (28%), and gasoline and diesel for transportation (28%). This figure is forecast to decrease to 79.6 mmt gross CO₂e in 2020, and rise again to 98.4 mmt gross CO₂e in 2050.²⁴ In comparison, Passaic County produced approximately 8.1 million metric tons of gross carbon dioxide equivalent in 2006.

Mitigating Greenhouse Gas Emissions with Complete Streets



Ratzer Road (CR 705) - Before becoming a Complete Street
Township of Wayne



Ratzer Road (CR 705)- After Complete Streets Improvements
Township of Wayne

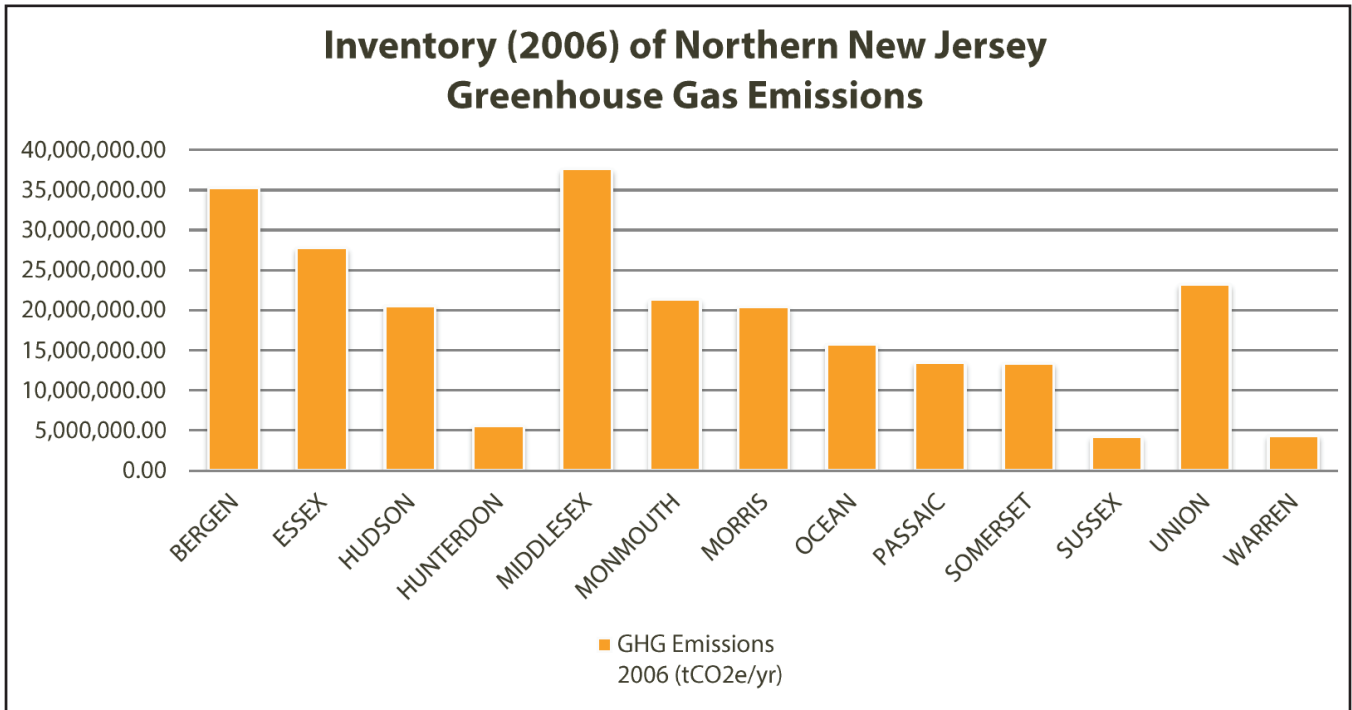


Figure 3. 2006 Inventory of Combined Greenhouse Gas Emissions in NJTPA Region by County

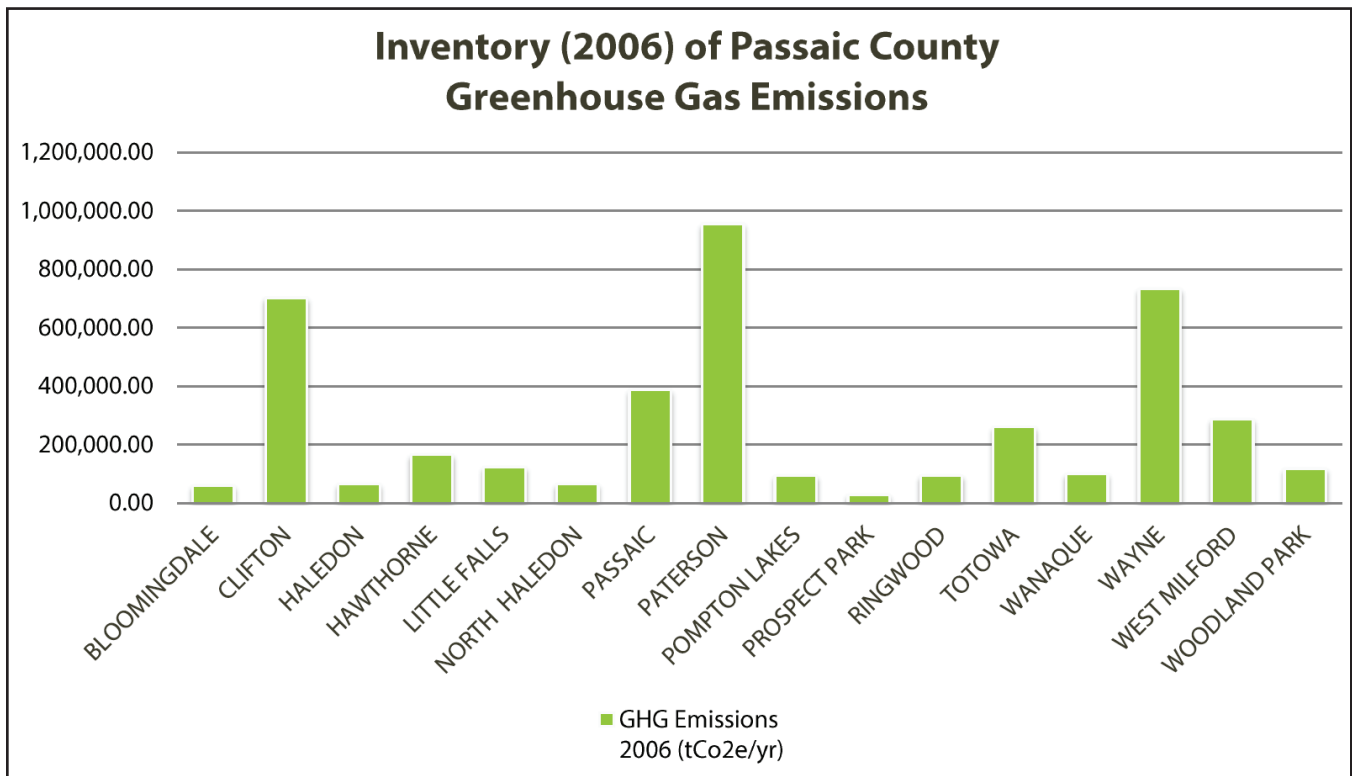


Figure 4. 2006 Inventory of Combined Greenhouse Gas Emissions in Passaic County by Municipality

Figure 4 demonstrates the inventory of combined greenhouse gas emissions (direct, consumption-based and energy cycle) in 2006 within Passaic County municipalities.²⁵

Beyond the inventory, Passaic County's combined greenhouse gas emissions are forecast to increase from 8.1 mmt gross CO₂e in 2006 to 8.5 mmt gross CO₂e in 2020 (4.8%), and 10.9 mmt gross CO₂e in 2050 (25.7%). While combined greenhouse gas emissions generated by electricity are predicted

to decrease by 19.1 percent by 2050, greenhouse gas emissions associated with industrial processes, residential, commercial and industrial (RCI) fuel use, and transportation sectors are all predicted to increase. RCI fuel use will remain as the County's greatest source of greenhouse gas emissions, contributing 4.2 mmt CO₂e in 2050. However, the greatest increase in emissions will be from the transportation sector, which is predicted to grow by 36.9 percent by 2050.²⁶

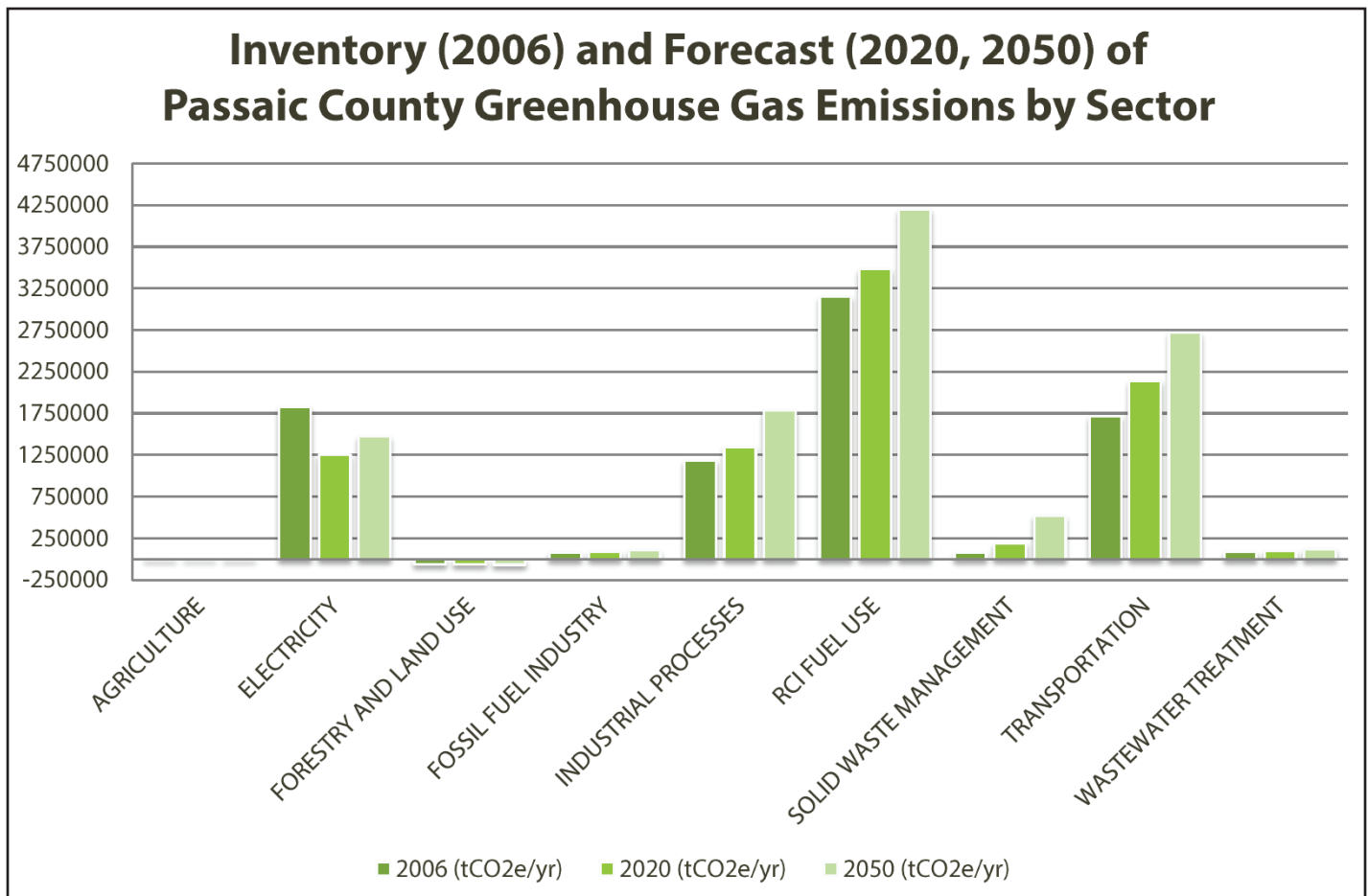


Figure 5. 2006 Inventory, 2020 and 2050 Forecast of Combined Greenhouse Gas Emissions in Passaic County by Sector

Air Quality

New Jersey struggles to meet ambient air quality standards, with the northern most thirteen counties ranking 15th worst in the nation for smog, 17th for ozone and 21st for year-round soot or particle pollution.²⁷ According to the North Jersey Transportation Planning Authority, Passaic County is in “nonattainment,” meaning it fails to meet the USEPA standards, for fine particulate matter (PM2.5) and ozone (O3). The County is also considered a maintenance area for carbon monoxide (CO) because standards have only recently been achieved.²⁸ Passaic County received a “D” in the American Lung Association 2012 State of the Air report for eight high smog days from 2008 to 2010.²⁹

Policy Foundations

The *Clean Air Act*, passed by the federal government in 1963, and subsequently overhauled in 1970, 1977 and again in 1990, is the key legislation protecting air quality in the United States and allows the Environmental Protection Agency (EPA) to set ambient air quality standards and emissions standards to protect public health from the effects of air pollution. The Clean Air Act regulates six major pollutants:

- *carbon monoxide*, which results from incomplete fuel combustion and can reduce the blood’s ability to carry oxygen;
- *lead*, which is prevalent in soil and older homes’ paint and plumbing;
- *nitrogen dioxide*, the main component of smog and acid rain;

- *particulate matter*, finite airborne particles of solid waste such as soot;
- *ozone*, produced by the interaction between nitrogen oxides and volatile organic compounds from automobile exhaust; and
- *sulfur dioxide*, which is produced by the combustion of fossil fuels and causes acid rain.

These pollutants can contribute to climate change and the depletion of the ozone layer, allowing more ultraviolet radiation to reach the earth.

Prior to the Clean Air Act, New Jersey passed the *Air Pollution Control Act* in 1954, with major revisions in 1967 and 1995, which requires statewide air quality monitoring and authorizes the New Jersey Department of Environmental Protection (NJDEP) to regulate and enforce air pollution protections. As with water pollution, the NJDEP regulates point-sources of air pollution through permitting and prohibiting the emissions of specific pollutants in certain quantities and/or in certain areas. The Act allows the NJDEP Commissioner to declare air pollution alerts, warnings and emergencies; while no warnings or emergencies have ever been declared, ozone advisories have been issued every summer since the 1980s on days when ozone levels pose a severe threat to public health. In addition, New Jersey passed *Anti-Idling Laws* for diesel and gasoline vehicles which prohibits idling for more than three minutes, with limited exceptions.³⁰

Public Health

Air pollution negatively impacts public health, creating a health hazard for County residents. Local air quality can change on a daily or even hourly

basis, prompting the EPA to publish the Air Quality Index, which provides daily information on local air quality, the effects of unhealthy air and ways to protect your health. Public health impacts of air pollution include:

- Increased rate or aggravation of respiratory diseases, such as asthma, chronic lung diseases, bronchitis, and emphysema, reduced lung function and inflammation or damage to cells that line the lungs;
- Cardiovascular diseases, chest pain or tightness, shortness of breath, and fatigue; and
- Children, who tend to play outside during the summer when ozone rates are higher, and senior citizens, who are more likely to have pre-existing respiratory diseases, are at a higher risk for health impacts.³¹

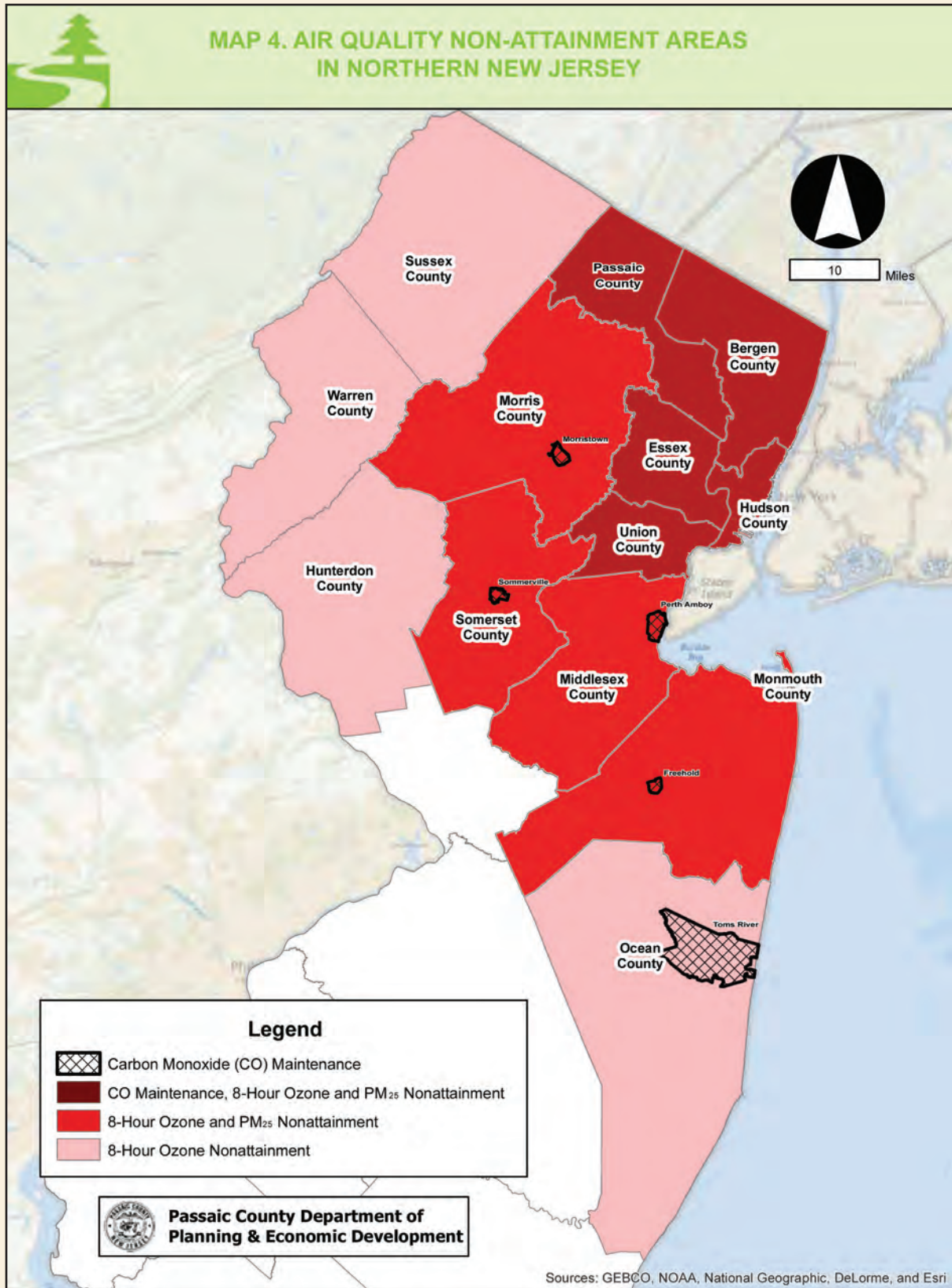
The public health impacts of poor air quality resound in Passaic County with 24.1 percent of residents having cardiovascular disease, as well as 2.2 percent of children and 6.6 percent of adults having asthma.³²

Air Pollution from Vehicular Emissions

NJDEP, with the assistance of NJDOT and other state agencies, publishes a *State Implementation Plan* (SIP), in order to comply with the Clean Air Act. The current SIP focuses on reducing ozone and carbon monoxide, and identifies pollutants from diesel and gasoline fuel combustion as a large source of air pollution. *Moving Passaic County*, the Transportation Element of the County Master Plan, supports mitigating air pollution by reducing vehicle miles traveled (VMT), increasing bicycle and pedestrian activity, and strengthening mass transit

use. The concept of Complete Streets forms the foundation of *Moving Passaic County*. "Complete Streets are streets for everyone. They are designed to provide safe access for all users including motor vehicles, pedestrians, bicycles, and transit riders. Users also include persons of all ages and abilities."³³ Making County roadways safer for all users will provide more transportation options to County residents, and consequently reduce vehicle miles traveled.³⁴

Additionally, a 2012 Passaic County Employee Commute Survey found that 92.6 percent of Passaic County employees drive alone to work, while 5.9 percent carpool, 1.7 percent use public transportation, and only 1.1 percent walk or bicycle. The average employee commute is 11.6 miles or 22.3 minutes (one-way). With nearly 2,000 employees, Passaic County can have a large impact by reducing employees' vehicle miles traveled. The Passaic County *Green Fleet Policy*, enacted by the Board of Chosen Freeholders in 2012, works to reduce vehicle miles traveled and vehicular emissions by County fleet vehicles and County employees.³⁵



Stormwater Management

Stormwater management is among the highest priorities of Passaic County, yet flooding in the Passaic River Basin does not abide by county or municipal boundaries. Local officials in the Basin have discussed the need for disaster preparedness and planning to be more regional, enhancing the lines of communication among our communities.

The Passaic River Basin spans 983 square miles, over 119 municipalities, eight counties, and three watershed management areas. With so many

different jurisdictions, there is a real need for coordination and collaboration at various levels of government, from local to state and federal.

The Passaic River Basin

The Passaic is one of the most densely developed floodplains on the eastern seaboard, at a population density of 8,656 people per square mile³⁶ with 2.5 million residents, 50,000 of whom are in the floodplain, and host to approximately 20,000 homes, businesses and public buildings. The main stem of the Passaic River and its major tributaries

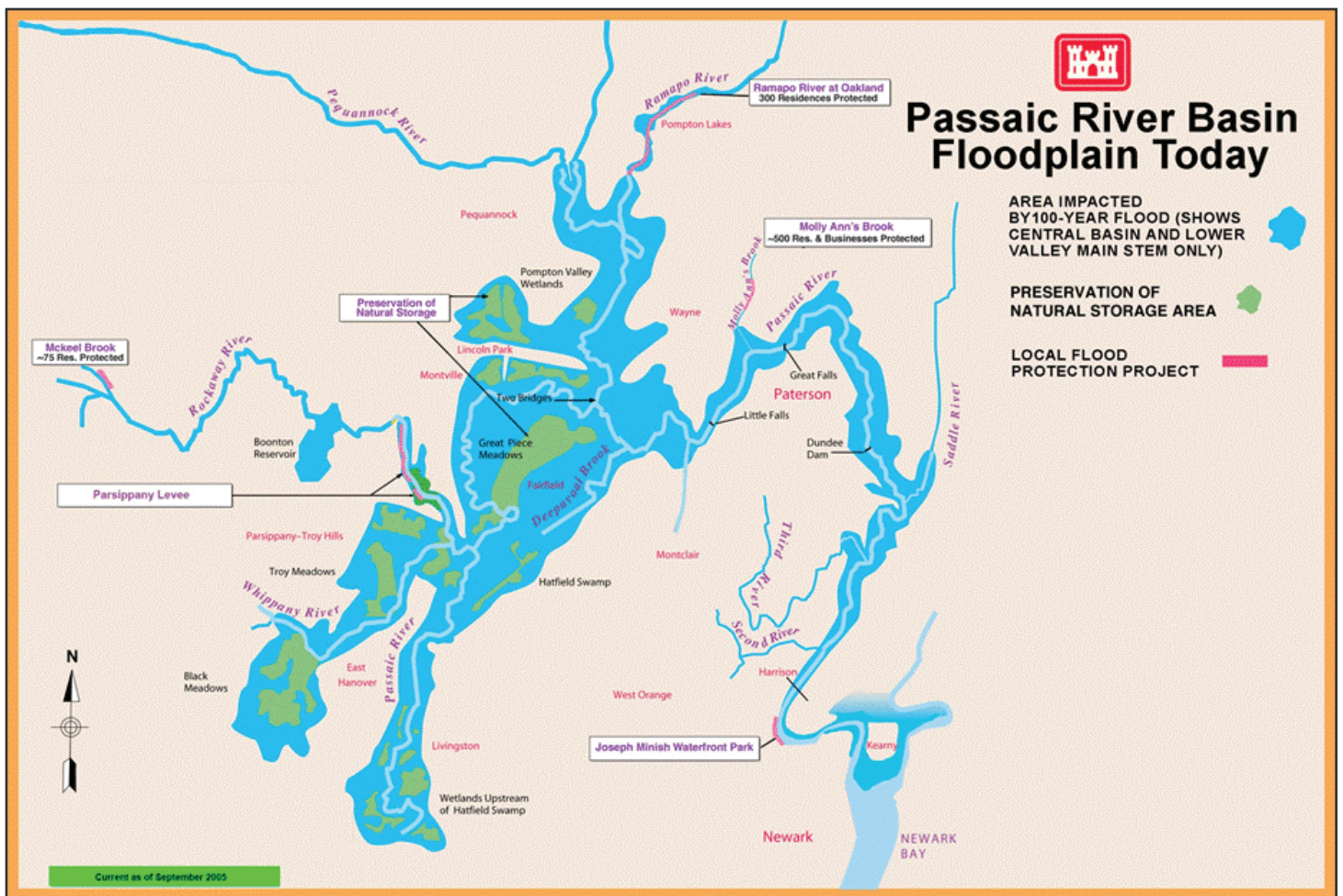


Figure 6. Passaic River Basin Floodplain, as of March 2010, courtesy of US Army Corps of Engineers⁴⁰

have a 100-year floodplain that covers 40,000 acres (nearly 60 mi²).³⁷ This amounts to a drainage area of 1,134 mi² or 1,964 total river miles, which receives on average 50.08 inches of rain annually.³⁸

The frequency and intensity of storms within the Passaic River Basin are increasing, with three presidential disaster declarations made after Hurricane Irene and Tropical Storm Lee, as well as additional severe weather events that did not receive federal declarations.³⁹ With each storm the cost multiplies, in lives as well as dollars. Since 1968, the Passaic River Basin has experienced 15 federal disaster declarations, six of which have occurred since 2005. Since 1990, 26 lives have been lost and storms have cost over \$6 billion total in losses, including \$261 million for Hurricane Floyd in 1999 and \$1 billion for Hurricane Irene in August 2011.⁴¹

According to FEMA, New Jersey ranks fourth in the nation for repetitive loss properties, with Passaic County accounting for 15 percent or 1,747 properties. In addition, New Jersey ranks second in the nation behind Louisiana for severe repetitive loss properties, with Passaic County accounting for 35 percent or 665 properties. Ecologically, between 1985 and 2007, the Passaic River Basin experienced an estimated 4.5 percent loss of wetlands and an additional 7.5 percent loss of forested area within the floodplain.⁴² Although the Passaic River Basin was not devastated by 2012's Hurricane Sandy, it again illustrated the vulnerability of the region's utility infrastructure and provided further evidence that the region needs to prepare for a changing climate.

The changing climate brings uncertainty for the Passaic River Basin. While the basin is usually precipitation rich, ranging from 3.26 – 4.0 inches

of precipitation on average in January and 3.51 – 5.0 inches of rain on average in July, the basin has experienced drought events such as March 2002, and severe storm events, such as Hurricane Irene, which brought over 8.0 inches of rain to much of the Basin. Historically, New Jersey is getting both warmer and wetter; the future climate of the Passaic River Basin will likely experience rising temperatures, steady or increasing precipitation, and increasing variability or extremes. However, specific modeling is necessary to determine the magnitude of change, seasonality of change, nature and magnitudes of extremes, and speed and magnitude of sea level rise, as well as projections for the impacts of such changes on the Passaic River Basin.⁴³

Policy Foundations

Stormwater management in New Jersey is regulated almost entirely by the NJDEP, which enforces the stormwater provisions of the federal *Clean Water Act* and NPDES rules, as well as New Jersey legislation including: the *New Jersey Water Pollution Control Act*, *Stormwater Management Rules*, *Soil Erosion and Sediment Control Act*, *Residential Site Improvement Standards*, *Water Quality Planning Act*, *Freshwater Wetlands Protection Act Rules*, *Water Quality Planning Act*, *Safe Dam Act* and *Dam Safety Standards*, and *Flood Hazard Area Control Act*.⁴⁴ NJDEP passed stormwater regulations (NJAC 7.8) in 2004, which aim to reduce flooding and nonpoint water source pollution through stormwater management, and mandate the use of nonstructural stormwater management strategies in development and redevelopment. Eligible nonstructural strategies include: low impact development, working with nature,

mimicking existing drainage patterns, protecting natural drainage features, and minimizing site disturbance.⁴⁵ The stormwater regulations require municipalities, most public colleges and universities, county, state, interstate and federal public complexes, and transportation agencies to file a “Request for Authorization” for permits to cover stormwater discharges from storm sewers.⁴⁶

NJDEP oversees a permitting process to aid in stormwater management of existing and new development, including: NJPDES Industrial Stormwater Permits, NJPDES Municipal Stormwater Permits, NJPDES Construction Permits, Wetlands Permits, Stream Encroachment Permits, and Coastal Permits. Existing development requirements include street sweeping, storm drain grates, inlets, retrofits and facility maintenance, road erosion control, outfall pipe stream scouring, illicit connections removal, car-washing facilities, and de-icing material storage.⁴⁷

In addition, NJDEP regulations of municipal stormwater management programs require municipal Stormwater Management Plans and ordinances, as well as Stormwater Pollution Prevention Plans.⁴⁸ The *Municipal Land Use Law* allows for municipalities to adopt additional protective environmental ordinances such as regulations over steep slopes, litter, pet waste, waste disposal, and wildlife feeding.⁴⁹ The *County and Regional Planning Enabling Act* allows Passaic County to regulate drainage affecting County roads and facilities through site plan and subdivision review by the County Planning Board.⁵⁰

Managing Stormwater with Green Infrastructure



*Fire Company #2 Rain Garden
Borough of Haledon*



*Rain Barrel and Disconnected Downspout
City of Paterson*



*Recreation Pavilion Rain Garden
Borough of North Haledon*

Improving Stormwater Management: Collaboration, Preparedness and Planning

Planning for future changes in climate, development, and flooding are essential for the Passaic River Basin. Under the leadership of the Passaic River Basin Flood Advisory Commission and NJDEP, Passaic County is cooperating, and assisting as requested, with implementation of the *Report to the Governor: Recommendations of the Passaic River Basin Flood Advisory Commission*, a 15-point plan of short-term and long-term actions to deal with floods in the Passaic River Basin, released in January 2011. This includes ongoing efforts by the U.S. Army Corps of Engineers (ACOE), U.S. Geological Survey (USGS), National Oceanic and Atmospheric Administration (NOAA), Federal Emergency Management Agency (FEMA), and Environmental Protection Agency (EPA).

The *Draft Final State Strategic Plan* encourages targeted job growth, regional planning and preservation of the state's critical resources. The State Planning Commission has recognized the impacts of a changing climate by tabling adoption of the State Strategic plan, pending integration of disaster preparedness into the plan.⁵¹

Specifically, Passaic County will collaborate with FEMA on a long-term recovery plan post-Hurricane Irene, as well as with the NJTPA and surrounding counties in the Passaic River Basin on a vulnerability assessment of all transportation infrastructure to natural disasters, which models climate change projections and their impacts. The Passaic County Office of Emergency Management is beginning an update to the County Hazard Mitigation Plan, and the County Department of Planning and Economic

Development has incorporated 'Green Streets' into the *Passaic County Complete Streets Design Guidelines* to aid in stormwater management.

Green Streets are envisioned as Complete Streets that incorporate low-impact design elements that can mimic natural systems. Green Streets also minimize impervious coverage, and utilize the natural water retention and absorption provided by native vegetation and permeable soils to reduce both stormwater runoff volumes and peak flows. Increasing the permeability of ground cover allows stormwater runoff to infiltrate the ground, reducing the volume of runoff entering storm sewer systems and watersheds. Reduction in stormwater volumes can minimize the rate and severity of flood events, as well as the negative economic, societal and environmental impacts of flooding.

Notably, in the City of Paterson, where much of the stormwater infrastructure is a combined sewer system, decreasing the volume of stormwater runoff into the system and delaying stormwater discharges can reduce the frequency of combined sewer overflow events, relieve an aging infrastructure system and ultimately improve water quality.

The primary objectives of incorporating green infrastructure and low-impact development design elements in County capital planning are decreased infrastructure costs, better asset management and improved quality of life for Passaic County residents. With technical assistance from the EPA, Passaic County has hosted two Green Streets workshops, and is pursuing implementation of Green Streets demonstration projects along County roadways.

Brownfields

Brownfields are defined by the EPA as, “real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant.”⁵² Brownfields pose threats to public health, while also providing opportunities for redevelopment. Potential public health impacts of brownfields include air, soil, or water pollution; exposures to toxic substances through contact, inhalation, and ingestion; and physical safety concerns due to unsafe or vacant structures.⁵³

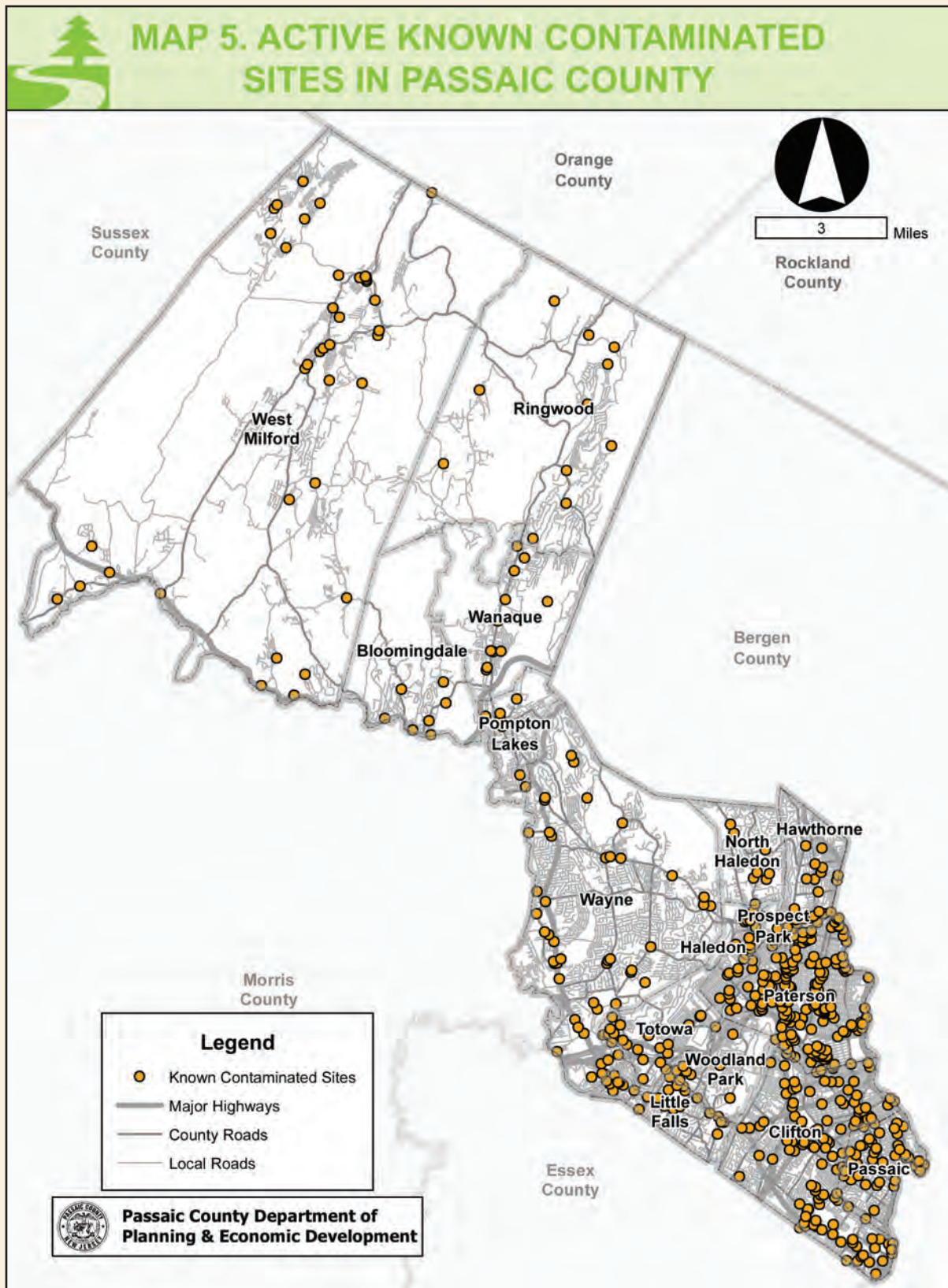
According to the NJDEP, Passaic County has approximately 640 known contaminated sites (active sites with confirmed contamination)⁵⁴, and seven “Superfund” sites on the National Priorities List under the Comprehensive *Environmental Response, Compensation and Liability Act* (CERCLA, 1980). These seven sites include Abchem Chemical in Clifton, E.I. DuPont de Nemours & Company in Pompton Lakes, Inmont Corporation in Hawthorne, Kearfott Guidance & Navigation Corporation in Little Falls, Ringwood Mines / Landfill in Ringwood, W.R. Grace / Wayne Interim in Wayne, and the Passaic River in multiple municipalities.⁵⁵ The County also has one Brownfields Development Area (BDA) designated by the NJDEP: the Great Falls Historic District, which totals 10 acres over eight brownfields sites, with the intended end uses of residential, schools, National Park land, retail, and commercial properties.⁵⁶

Policy Foundations

Brownfields are largely regulated by federal legislation, including the *Resource Conservation and Recovery Act* (RCRA, 1976) and “Superfund”

(CERCLA, 1980), which was subsequently amended by the *Superfund Amendments and Reauthorization Act* (SARA, 1986) and *Small Business Liability Relief and Brownfields Revitalization Act* (2002). RCRA gives EPA the authority to control hazardous waste from the “cradle-to-grave,” including the generation, transportation, treatment, storage, and disposal of hazardous waste; it also established a framework for the management of non-hazardous solid wastes. Amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances, which can cause significant impacts to water quality via soil and groundwater contamination from underground storage tank discharges. CERCLA provides a Federal “Superfund” to clean up uncontrolled or abandoned hazardous-waste sites as well as accidents, spills, and other emergency releases of pollutants and contaminants into the environment.

At the state level, New Jersey’s laws and regulations include: the *Brownfield and Contaminated Site Remediation Act* (Brownfield Act), *Industrial Site Recovery Act*, *Spill Compensation and Control Act*, *Underground Storage of Hazardous Substances Act*, and most recently, the *Site Remediation Reform Act*, as well as the NJDEP Technical Requirements for Site Remediation. New Jersey’s Brownfield Act dedicates remediation funds for open space acquisition and park development as well as redevelopment. Additional state programs related to brownfields redevelopment include the *New Jersey State Development and Redevelopment Plan*, which promotes the marketing and development of brownfields, and the *Highlands Water Protection and Planning Act*, which promotes brownfields remediation and redevelopment.⁵⁷

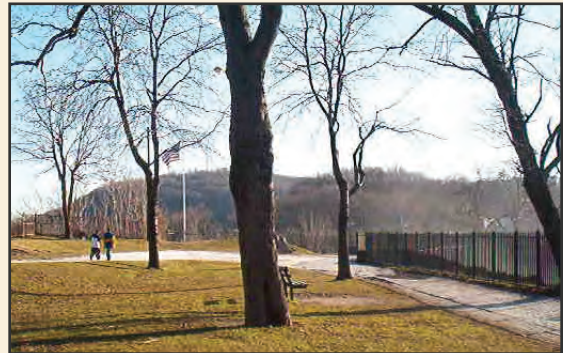


Remediating and Redeveloping Brownfields

Passaic County's Division of Economic Development maintains an inventory of brownfields and administers the *Passaic County Brownfield Assessment Program*, funded by the EPA. This program serves to assist Passaic County municipalities in redeveloping contaminated sites by enabling them to prioritize their financial resources for the environmental remediation and redevelopment of specific sites. Such assistance is vital to land revitalization, generating local revenues and growing our local economy. Brownfields redevelopment focuses development in areas with existing infrastructure, transportation systems and workforce. Simultaneously, redevelopment relieves pressures to develop undeveloped land (greenfields), thereby providing additional open space for recreation, public health and ecological benefits.⁵⁸ Brownfields redevelopment may also afford unique opportunities for open space such as urban parks and playgrounds, as well as renewable energy generation.⁵⁹

The Brownfields Assessment Program enables the County to comply with requests from NJDEP to provide information on brownfield sites located in the County, to develop a dynamic database of information on brownfields sites compatible with real estate databases. This will identify sites for environmental assessment, remediation, and marketing for redevelopment utilizing various selection criteria. The County program aids property owners and municipalities in navigating the many funding sources and loan programs for remediating and revitalizing brownfields available through the state, EPA and other public and private resources.

Brownfields Remediation in Passaic County



Mary Ellen Kramer Park
City of Paterson



Photo Courtesy of US EPA

Ringwood Mines / Landfill Site
Borough of Ringwood



Photo Courtesy of US EPA

Restored Shooting Pond, DuPont Site
Borough of Pompton Lakes

Food Security

According to *Where's the Food? A Report on Food Insecurity and Food Access in Passaic County, New Jersey*, over 32,000 individuals are food insecure, defined as "having difficulty meeting the food needs of the individuals in their household."⁶⁰ The report provides a comprehensive assessment of food *availability*, meaning enough safe, nutritious food available to support everyone at all times; *accessibility*, meaning the ability of all people to access the food that is available; and *affordability*, meaning that all people can afford to purchase sufficient food through normal retail outlets, considering cost and income factors. The report finds, using national and statewide USDA statistics, that approximately 4.4 percent of all 166,700 Passaic County households can be expected to experience low food security and 2.1 percent of households experience very low food security; this means approximately 22,054 Passaic County residents experience low food security and an additional 10,631 individuals experience very low food security.

Passaic County residents identified as "most at risk" for food insecurity include the unemployed or underemployed, those with disabilities, persons with low English proficiency, single parents with children, and Native American communities. Geographically, "food deserts" exist in both northern and southern Passaic County, due to the limited numbers of grocery stores, inadequate transportation to grocery stores, and limited options for purchasing healthy foods. However, farmer's markets are currently available in seven Passaic County municipalities. Food assistance programs are also available, yet underutilized, and

various community organizations and government agencies are partnering to improve nutrition education and access to home/community gardening and urban/suburban farming.

These findings resulted in the establishment of the Passaic County Food Policy Council, "a group of individuals, dedicated to understanding the root causes of hunger and food insecurity, and working collaboratively across the food system to develop broad-based and lasting solutions to the problem of hunger in our community."⁶¹ The United Way, with assistance from the Food Policy Council, developed *Passaic County United to Stop Hunger: Community Vision to Create Food Security for All* (the *PUSH Report*). This collaborative strategy analyzes program and policy gaps in the food system and outlines recommendations for action to reduce poverty, hunger and food insecurity in Passaic County. The report reinforces the importance of food security, stating:

*Assuring sufficient access to healthy food is among the most essential of human endeavors. Disparities exist in Passaic County that constrain the ability of all residents — particularly those with limited resources, in underserved areas — to successfully produce, procure, distribute, consume and obtain the information needed to obtain the foods, support services and resources needed to create and maintain a healthy lifestyle.*⁶²

The *PUSH Report* recommendations for actions are incorporated in various goals of this sustainability element, including: *Economic Prosperity: Food Cycle, Health & Safety: Nutrition, Health & Safety Literacy, and Health & Safety: Food Access & Nutrition throughout the Food Cycle*. Accordingly, the

strategies for future action in this plan reflect the findings of the United Way and Food Policy Council as partners in the ongoing effort toward food security for all Passaic County residents.

Environmental Justice

Passaic County values public health and safety, as well as community participation and fairness in decision-making; as such, the County supports environmental justice for residents within our community. Environmental justice is defined by the EPA as:

The fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies... It will be achieved when everyone enjoys the same degree of protection from environmental and health hazards and equal access to the decision-making process to have a healthy environment in which to live, learn, and work.

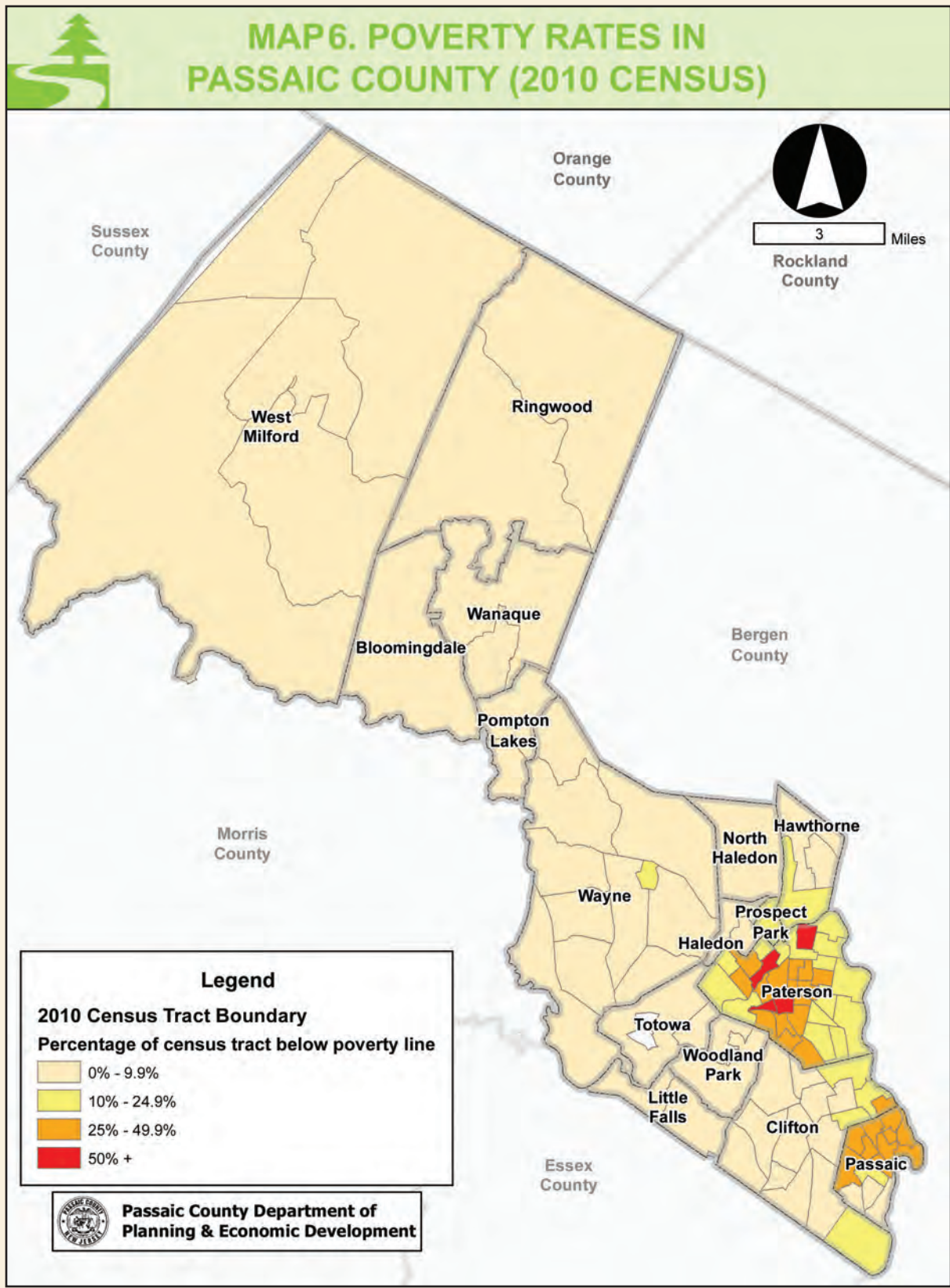
Environmental justice is critical in a County as demographically, socioeconomically, and physically diverse as ours. Passaic County is socioeconomically vulnerable, as it is among the ten counties with higher poverty rates than the New Jersey state average, with 16.4 percent of Passaic County residents living in poverty.⁶³ Historically, environmental burdens have been unduly placed on such socioeconomically vulnerable communities, resulting in poorer public health. Vulnerable communities may not have the financial or collective advocacy opportunities to mitigate environmental hazards and pollution, which have deteriorated their quality of life.⁶⁴ Therefore, the

County aims to work with community groups and local, state and federal agencies to reduce environmental burdens and protect Passaic County residents from significant risks to public health, as well as to provide residents with the information necessary to participate in managing their health and safety by reducing environmental harms.

Policy Foundations

President Clinton signed Executive Order 12898 in 1994, *Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations*, which established an Environmental Justice working group. The order mandated each Federal agency “make achieving environmental justice part of its mission by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of its programs, policies, and activities on minority populations and low-income populations.”⁶⁵ Additional federal laws affecting environmental justice include Title VI of the *Civil Rights Act* of 1964, which prohibits discrimination on the basis of race, color or national origin, as well as anti-discrimination laws and equal-opportunity laws.⁶⁶ Environmental justice is also a key goal of EPA and HUD programs, including the Community Development Block Grant Program.⁶⁷

New Jersey’s Executive Order #131, signed by Governor Corzine, considers environmental justice by mandating that all departments, agencies, boards, commissions, and bodies of New Jersey’s executive branch “shall provide appropriate opportunities for all persons, regardless of race, ethnicity, color, religion, income, or education level to participate in decision-making” and established the Environmental Justice Advisory Council in the NJDEP.⁶⁸



Historic and Scenic Resources

Passaic County's rich history includes numerous vital resources, to be protected and interpreted for historic preservation and tourism alike. The Passaic River forms the backbone of the County, where General Washington ordered his troops to cross at Acquackanonk Landing during their 1776 retreat through New Jersey, and later powering the Industrial Revolution with hydropower from the Great Falls of the Passaic. The River provides recreational and transportation opportunities today, with the new Great Falls National Historical Park as a centerpiece for future tourism and economic development.

Passaic County's countless historical sites range from the Dey Mansion in Wayne to the Botto House American Labor Museum in Haledon; New Jersey Botanical Gardens at Skylands Manor in Ringwood, Long Pond Iron Works in West Milford; and many resources in between, including the Morris Canal, which spanned six municipalities. Passaic County views its rich history as an asset and opportunity for our bright future. Therefore, the Planning & Economic Development Department is currently developing a Heritage Tourism plan to capitalize on the heritage and natural beauty of our unique County.

The County's various scenic resources encompass the vast Highlands region with its many scenic lakes, reservoirs and vistas, the Great Falls, multiple state parks and forests, a segment of the Appalachian Trail, and the Passaic County Park System. Originally designed by the Olmsted Brothers Firm in the 1927, the Passaic County Park System shares both scenic and historic significance, and has grown to include 12 county parks, totaling more than 16,000 acres.

Open space preservation is a priority in Passaic County, as numerous studies have shown the economic benefits of open space. Increasing green space and preserved open space can attract investment, raise property values, revitalize cities, reduce crime, boost tourism, and prevent flood damage. The New Jersey Conservation Foundation finds the following economic benefits of preserving scenic and historic resources:⁶⁹

Property Values

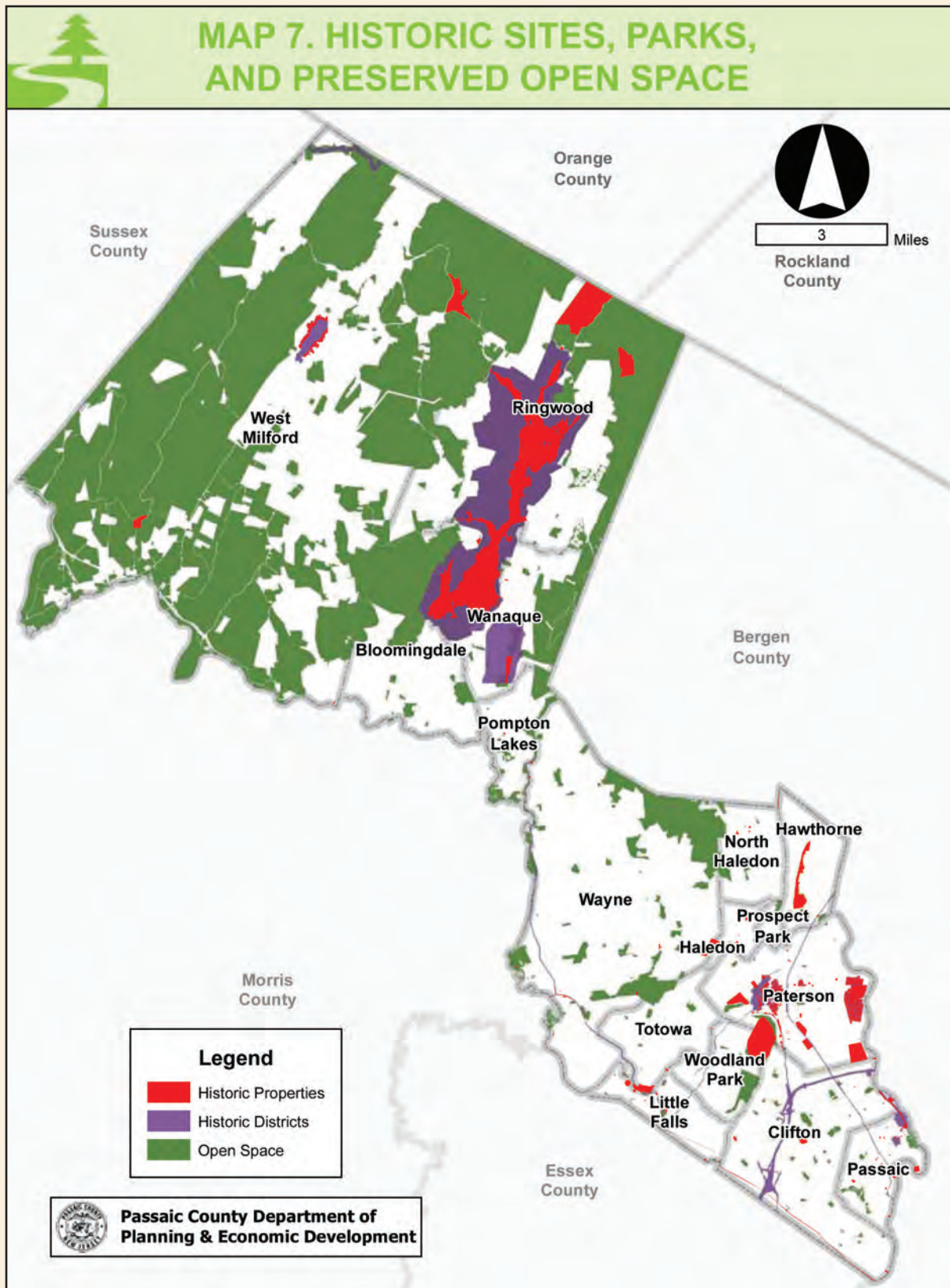
- *The average home price increases 16% when it is located near permanently preserved open space;*
- *The value of a vacant lot increases 35% when it is located next to permanently preserved open space*
- *Parks contribute up to 20% of the value of homes in urban areas*

Job Creation

- *29 jobs are created for every \$1,000,000 spent rehabilitating historic residential buildings*
- *38 jobs are created for every \$1,000,000 spent rehabilitating historic nonresidential buildings*
- *Each \$1 million spent on non-residential historic rehabilitation creates 2 jobs more than the same money spent on new construction*

Tourism

- *\$1.7 billion is spent on wildlife recreation, 23% of the total (~\$30 billion) spent by tourists in New Jersey*
- *For every dollar tourists spend in New Jersey, \$0.71 stays in the state*



PASSAIC COUNTY FUTURE

- 2.1 million people recreated in nature-based activities in New Jersey in 2006
- Heritage tourists stayed nearly 5 days longer and spent 78% more in restaurants than other travelers

Policy Foundations

The National Register of Historic Places is the official list of historic places and cultural resources worthy of preservation throughout the United States, authorized by the *National Historic Preservation Act* of 1966. The National Park Service administers the National Register, as part of a national program to “coordinate and support public and private efforts to identify, evaluate, and protect America’s historic and archeological resources.”⁷⁰

The State Office of Historic Preservation (SHPO), a division of NJDEP, administers New Jersey’s historic preservation program and maintains the State Register of Historic Places, authorized by the *New Jersey Register of Historic Places Act* of 1970. SHPO helps nominate properties to the New Jersey and National Registers, reviews public projects on designated historic sites, and certifies historic properties and rehabilitation projects.⁷¹

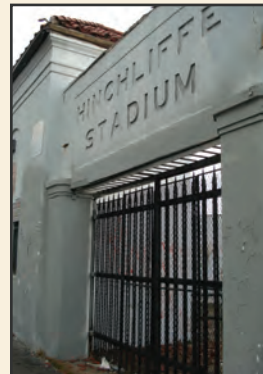
Listing historic sites, districts, structures, buildings, and objects on the State and National Registers of Historic Places protects those sites, by requiring any local, county, state, or federally licensed, financed or assisted project to be reviewed to ensure that it does not adversely affect the property. Federal and state programs for historic preservation include:⁷²

- Government review of projects affecting an officially designated historic site or district;
- Tax benefits for preservation and restoration

Historic and Scenic Resources in Passaic County



Goffle Brook Park
Borough of Hawthorne



Hinchliffe Stadium
City of Paterson



County Court House
City of Paterson



Dey Mansion - Washington’s Headquarters
Township of Wayne

- *Grants for surveys, restoration, and 'main street' revitalization programs;*
- *Education on the importance of historic preservation;*
- *Planning and design guidelines; and*
- *Acquisition of significant properties.*

Local governments can impact the preservation of historic and scenic resources through land use planning, such as establishing historic districts and adopting Open Space and Recreation Master Plan elements.⁷³

Protecting Historic and Scenic Resources

Many of Passaic County's historical resources have been preserved as local, state or federal historic sites or parkland; however, many of the County's scenic and historic assets are not suitable for public ownership, and should instead be preserved through planning or interpretation, regulatory review, and protection programs.

Open space preservation, cluster development and redevelopment are all tools that protect environmentally sensitive areas and habitats. Acknowledging the need to preserve open space and farmland, as well as improve the park system and facilities in Passaic County, the citizens of Passaic County approved an Open Space and Farmland Preservation Trust Fund and an Open Space and Parks Improvement referenda in 1996, which were ultimately consolidated as a result of legislative initiative. Each year, the county opens up grant funding requests from the Open Space and Farmland Preservation Trust Fund. In 2011, the Board of Chosen Freeholders approved Historic Preservation as an intended use of the Open Space Trust Fund.

Passaic County continues investing in the County Park System, dedicating \$3 million in funds from the County's Open Space Trust Fund to rehabilitate and enhance Passaic County Parks in 2010. Additional planning efforts to improve the Park System are underway, including the current update to the *Parks, Recreation & Open Space Master Plan* and the *Morris Canal Greenway Feasibility Study*, adopted as an element of the County Master Plan in 2011.

Environmental Quality

Environmental quality encompasses many of the aforementioned environmental priorities, such as air and water quality, yet more broadly it includes all areas of environmental and public health that contribute to the quality of life for Passaic County residents. Environmental quality ranges from emergency preparedness and response to natural disasters, to shielding residents from radon, lead and other hazardous substances, as well as noise control, pesticide management, and protecting ecological services and biodiversity.

Our natural environment provides invaluable ecological services to people within Passaic County. Water bodies, wetlands, floodplains, steep slopes, erodible soils, forests, plants, and wildlife habitats are all environmentally sensitive features that play a vital role in our human ecosystem, and must be treated with care to avoid degradation. Stream corridors must be managed to remove obstructions, with buffers that allow stormwater to naturally infiltrate the ground without causing damage to property or imperiling human lives. Freshwater wetlands help to purify surface and groundwater, maintain baseflow, control erosion and sedimentation, protect downstream areas from flooding, and provide wildlife habitat.⁷⁴

Policy Foundations

New Jersey is both the nation's most densely populated state and second leading producer of chemicals. Facilities that manufacture, store or handle hazardous substances abound.⁷⁵

The *Emergency Planning and Community Right to Know Act* (1986), Title III of the *Superfund Amendments and Reauthorization Act* (SARA) and the *New Jersey Worker and Community Right to Know Act* (1983) allow governments to collect information on hazardous materials manufactured, stored and used within the County borders. The *Occupational Safety & Health Act* (OSHA) of 1970. *The New Jersey Public Employees Occupational Safety Health Act* (PEOSHA) of 1984, and the *New Jersey Hazard Communication Standard* (2004) "assures safe and healthful working conditions for working men and women by setting and enforcing standards and by providing training, outreach, education and assistance."⁷⁶

Additional laws regulating hazards for environmental quality include the *Local Health Services Act* (1975), which encourages the formation of regional health agencies, the *Toxic Catastrophe Prevention Act* (1986), *New Jersey Radiation Protection Act* (1958), *Noise Control Act* (1971), *Pesticide Control Act* (1971), and most recently, the *New Jersey Fertilizer Law* (2011).⁷⁷

The *County Environmental Health Act* (CEHA) of 1977 recognizes that environmental problems and public health risks are regional, and do not follow municipal boundaries. Therefore, CEHA calls for a countywide approach to the controlling of pollution and other environmental harms, and sets *County Environmental Health Standards of Administrative Procedures and Performance* with

which counties must conform. These standards guide the core programs for the control of air, noise, water pollution, safe drinking water, solid waste, hazardous material (HAZMAT), chemical, biological, radiological, nuclear, and explosive (CBRNE) emergency responses.

The Passaic County Department of Health is the lead agency for CEHA in Passaic County. They are assisted by the Passaic County Sheriff's Department and various municipal responders to safely treat any HAZMAT or CBRNE incidents, and efficiently and effectively respond to all emergencies and natural disasters.

The County Health Department functions as an extension of the NJDEP, responsible for activities including citizen complaint investigations for air, noise, and water pollution as well as pesticide and solid waste complaints. The County Health Department also conducts inspections of facilities/businesses for NJDEP environmental programs that include air pollution control, pesticide control, safe drinking water and water pollution control, solid waste control and regulated underground storage tanks (UST). The Passaic County Department of Health also conducts anti-idling surveillance and enforcement, as well as recycling inspections of businesses and institutions.

The County Health Department monitors and enforces environmental protection laws according to the NJDEP regulations. The department, working closely with not only the NJDEP but also the NJ Health Department, is also the lead agency in Passaic County for the *NJ Worker and Community Right-to-Know Program*, PEOSHA and the *Hazard Communication Standard*. This program provides information about hazardous chemicals

in the workplace and community to keep our workers and neighborhoods safe. The department keeps records on environmental inspections and investigations conducted.

As with other government agencies, records are accessible under the provision of the *New Jersey Open Public Records Act* (OPRA). The department provides to the public environmental information and resources on many subjects including radon, lead poisoning, anti-idling, non-source pollution, recycling, and the substitution to greener products.

Wetlands in New Jersey are protected by the *Freshwater Wetlands Protection Act* of 1987, which requires wetlands delineation and classification, as well as permitting for activities in or around wetlands. NJDEP also requires permits for “stream encroachments” or activities in the floodway and flood fringe, and restricts development in the floodplain.⁷⁸

Additional laws regulating environmentally sensitive areas for environmental quality include the *Green Acres Land Acquisition Act*, *Green Acres, Farmland, Historic Preservation, and Blue Acres Bond Acts* (1995, 2007, and 2009), *Agriculture Retention and Development Act* (1983), *Right to Farm Act* (1983), *New Jersey Endangered and Nongame Species Conservation Act*, *Natural Areas System Act*, *Open Lands Management Act*, *New Jersey and U.S. Wild and Scenic Rivers Acts*, and the *U.S. Endangered Species Act* (1973).

Protecting Environmental Quality

NJDEP maintains various programs for the protection of environmentally sensitive areas, notably Farmland Preservation, Blue Acres and Green Acres, as well as others managed by the

Division of Fish, Game and Wildlife (e.g., Wildlife Management Areas, and the Endangered and Nongame Species program), and Division of Parks and Forestry (e.g., Natural Heritage, Natural Areas, Trails, Wild and Scenic Rivers, and Endangered Species programs).⁷⁹

Local Action

New Jersey is also the first state to have a comprehensive sustainability rating program for municipalities, called *Sustainable Jersey*, which links certification with financial incentives, technical support and training. Sustainable Jersey is “a certification program for municipalities in New Jersey that want to go green, save money, and take steps to sustain their quality of life over the long term,” administered through The Municipal Land Use Center at The College of New Jersey.⁸⁰

Several Passaic County municipalities are working to protect environmental quality in our local communities, through Sustainable Jersey and beyond. Twelve Passaic County municipalities are currently registered with the Sustainable Jersey Program, and three have achieved Bronze certification, including the Borough of Hawthorne, City of Paterson, and Township of West Milford. In addition, nine Passaic County municipalities have formally established Environmental Commissions, and a myriad of local student, community and nonprofit environmental groups are active throughout the County.

GOALS



ENVIRONMENT



Natural Systems

- Natural Resource Planning & Inventory
- Green Infrastructure
- Land Use in Watersheds
- Water Quality & Supply
- Agriculture & Resource Lands
- Biodiversity & Invasive Species
- Ambient Noise & Light
- Waste Minimization



Planning & Design

- Comprehensive Planning
- Excellence in Design
- Interconnected Land Use
- Compact & Complete Communities
- Design for People
- Housing
- Public Spaces
- Transportation & Mobility
- Land Conservation
- Historic Preservation & Cultural Heritage
- Code Barriers
- Public Engagement & Participation



Energy & Climate

- Greenhouse Gas Mitigation
- Climate Adaptation
- Energy Supply
- Energy Use
- Resource Efficient Facilities
- Fuel Efficiency & Transportation Infrastructure
- Private Sector Energy Use



ECONOMY



Economic Prosperity

- Enterprise Support
- Leaner and Greener Businesses
- Industry Development & Revitalization
- Community-Based Economic Development
- Economic Localization
- Land Redevelopment & Revitalization
- Food Cycle



Employment & Workforce Training

- Employment Opportunity
- Employment Benefits & Living Wages
- Labor Rights
- Supportive Workplaces
- Workplace Learning & Career Paths
- Workforce Development Comprehensive Plan
- Workforce Training and Interactive Education
- Resources for Success



COMMUNITY



Education, Arts & Society

- Education Opportunities
- Education Environments
- School-Community Engagement
- Ecological Literacy
- Arts & Cultural Civic Support
- Neighborhood Vitality
- Civic Literacy and Engagement
- Financial Literacy



Health & Safety

- Health System
- Nutrition, Health & Safety Literacy
- Workplace Health & Safety
- Food Access & Nutrition
- Drinking Water Quality
- Air Quality
- Toxics Reduction
- Natural & Human Hazards
- Emergency Prevention & Response
- Safe Communities
- Active Living & Recreation



Affordability & Justice

- Social & Cultural Diversity
- Government Transparency
- County Revenues, Expenditures & Investments
- Infrastructure & Capital Projects
- Human Services
- Poverty Prevention & Alleviation
- Civil & Human Rights
- Environmental Justice
- Adjudication & Restorative Justice
- Community Empowerment
- Equity Literacy, Assessment, & Planning



ENVIRONMENT

Natural Systems

Natural Resources Planning and Inventory

Protect, enhance and restore habitat and natural ecosystems to levels of function that confer resilience and adaptability, and support biological imperatives for clean water and air, food, shelter, and public safety.

Green Infrastructure

Design and maintain a strategically planned green infrastructure network composed of natural lands, working landscapes and capital projects that maximize infrastructure efficiency and mimic natural ecosystem functions to benefit human health and quality of life for Passaic County residents. Green Infrastructure Design Guidelines are included in *Moving Passaic County* (2012).⁸¹

Land Use in Watersheds

Protect and restore the natural systems that underpin watershed health and hydrological integrity. Given that flooding in the Passaic River Basin does not abide by municipal boundaries, integrate land use, stormwater management and hazard mitigation planning at the watershed level. Encourage reduction in impervious surface coverage and discourage additional development in the floodplain, particularly in upstream areas.

Water Quality and Supply

Reduce point source and non-point source pollution in all water bodies, protect and restore water quality

to benefit residents within and beyond Passaic County as well as aquatic ecosystems. Further the goals, objectives and policies adopted in Passaic County's conformance (2010) with the *Highlands Regional Master Plan* (2008).

Agriculture & Natural Resources

Preserve agricultural heritage, land and other natural resources necessary for urban, suburban and rural agriculture, including aquaculture, equine farms, ornamental horticulture, and forestry in ways that ensure accessibility, affordability, vitality, and continued availability for use by current and future generations. Conserve and maintain lands that provide raw materials, renewable and natural resources in such a way that allows for sustained harvest and maintains land vitality.

Biodiversity & Invasive Species

Preserve and restore regional biodiversity, with a focus on promoting native species and eliminating invasive species.

Ambient Noise and Light

Minimize and manage ambient noise and light levels to protect the integrity of ecological systems and public health without compromising public safety and cultural expression.

Waste Minimization

Minimize waste and recycle material resources to protect natural systems by reducing resource extraction, greenhouse gas emissions as well as air and water pollution.

Planning and Design

Comprehensive Planning

Provide a long-range vision for the future growth and development of Passaic County that addresses economic, environmental and social challenges and opportunities within the community; encourage public and private support of that vision. Passaic County's long-range vision will be represented in individual elements of the Passaic County Master Plan, as adopted by the County Planning Board.

Excellence in Design

Encourage the siting and design of public and private projects to minimize environmental impact, maximize financial efficiency, optimize social equity and benefits, and improve public health.

Design for People

Create human-scale built environments that provide comfort, safety, accessibility, and are aesthetically pleasing to Passaic County residents and visitors.

Interconnected Land Use

Encourage diverse and accessible land uses to enable proximate living and access to vital services, including jobs, education and healthy food options.

Compact & Complete Communities

Create complete communities with a range of services that allow for amenities and transportation options; afford equitable access to the ingredients of what makes for an economically and socially viable neighborhood; and reduce the community's carbon footprint.

Housing

Foster the preservation, construction and maintenance of an adequate supply of healthful, affordable, resource-efficient, and inclusive housing. Residential development should be available to all ages, abilities, incomes, and household sizes, and be located in environmentally safe areas near public transportation, jobs, and critical goods and services.

Public Spaces

Invest in, program and optimally maintain diverse and interconnected public spaces that feature equitable, convenient and comfortable access, encourage safe and healthy behaviors, minimize hazards, are culturally appropriate, and attract and serve all populations.

Transportation & Mobility

Reduce vehicle miles traveled (VMT) and associated greenhouse gas and air pollutant emissions by enhancing the availability of, and access to, diverse transportation choices, including non-motorized modes and transit. Create safe, affordable mobility and physical activity opportunities for all; provide and optimally maintain infrastructure that efficiently and affordably moves people and goods locally and regionally. Design County roads in accordance with the Complete Streets Design Guidelines in *Moving Passaic County* (2012).

Land Conservation

Protect critical community resources by acquiring, conserving and managing important landscapes in perpetuity. Encourage development to maximize dedicated open space and protect natural or environmentally sensitive areas, through redevelopment, clustering or dedicated conservation easements.

Historic Preservation and Cultural Heritage

Promote the preservation and reuse of historic resources, including buildings, structures, sites, corridors, neighborhood districts, and cultural landscapes to assist in the retention of local, regional and national history and heritage, reinforcement of community character, and conservation of material resources.

Code Barriers: Guidelines, Requirements and Resolutions

Ensure that County planning and engineering guidelines, requirements and resolutions consider community and site context, improve ecological integrity, are based on life-cycle costing, foster social equity and reward innovation; serve as a resource to municipal land use boards to overcome code barriers.

Public Engagement in Planning and Design

Provide regular, meaningful and equitable opportunities for Passaic County citizens to shape the future of our communities.



Energy and Climate

Greenhouse Gas Mitigation

Achieve greenhouse gas emissions and criteria air pollutant reductions in both County operations and the community at large, with attention given to reduction and prevention of inequalities.

Climate Adaptation

Improve the response and resiliency of the greater Passaic County region to climate change impacts on the built, natural and social environments with an emphasis on public health, disaster preparedness and historically underserved populations.

Energy Supply

Encourage the development of a balanced energy portfolio with diverse energy sources including renewables to provide an affordable and secure energy supply through the cleanest (and carbon-intensive) means possible.

Energy Use

Minimize energy demand and consumption in County facilities and operations.

Resource Efficient Facilities

Enhance the energy performance and resource efficiency of all Passaic County buildings, parks and facilities throughout their lifecycle, abiding by Resolution R-08-537, which requires the application of green building measures to the design, construction, maintenance, and rehabilitation of county-owned facilities.

Fuel Efficiency and Transportation Infrastructure

Support low-carbon and high resource-efficiency transportation options through the development of supporting infrastructure, fuel purchasing and local fuel production; facilitate improvements to the public transportation system with NJ Transit and transit management agencies; encourage non-motorized transportation infrastructure and safety improvements for bicyclists and pedestrians.

Private Sector Energy Use

Encourage reduced energy use and greenhouse gas emissions in private sector operations and throughout the lifecycle of the products manufactured, grown or produced. Provide resources from federal, state and regional agencies about incentives and rebates available for energy efficiency improvements.



ECONOMY

\$ Economic Prosperity

Enterprise Support

Enhance business retention, expansion and attraction activities to work with individual businesses of a range of sizes and types to increase overall economic vitality, environmental and human health, and social responsibility of business enterprises.

Industry Development and Revitalization

Build upon Passaic County’s industrial heritage to support the growth of entrepreneurship and newly targeted industry sectors including: technology, healthcare and hospitality, green jobs, and education; and aid in the transition of existing industry sectors toward practices, products and services that increase environmental performance, human health and social responsibility.

Leaner and Greener Businesses

Build, grow and promote leaner and greener businesses in Passaic County that are both environmentally sustainable and fiscally profitable. Passaic County’s strong manufacturing, services and healthcare/ hospitality sectors provide an excellent foundation for integrating local sourcing and lean manufacturing or production strategies that eliminate wasteful expenditure of resources, improve efficiency and maximize value/outputs while minimizing consumption/inputs.

Neighborhood and Community-Based Economic Development

Spur economic development and redevelopment at the community and neighborhood levels in ways that promote and manage the County’s resources for its residents’ benefit on a sustainable and inclusive basis.

Economic Localization

Strengthen and diversify local economies by developing localized networks for economic exchange and increase the total number and market share of locally owned, socio-culturally diverse and neighborhood- and community-based businesses.

Land Redevelopment and Revitalization

Reclaim and repurpose vacant, abandoned, foreclosed, underutilized, or contaminated land and buildings to improve community health and safety, increase environmental quality and provide economic benefits.

Food Cycle

Strengthen local and regional food systems, and support and encourage an economically viable, environmentally sound and socially equitable food system throughout the food production, use and disposal life cycle.



Employment and Workforce Training

Employment Opportunity

Increase employment market in Passaic County. Match employers with skilled employees and link job seekers with education, employment and opportunities for career growth.

Employment Benefits and Living Wages

Promote the adoption of affordable healthcare, retirement and other benefits for all workers in all sectors, including County employees. Ensure that all workers in all sectors, including County employees, earn a living wage — one that allows workers and their families to afford a decent standard of living, including housing, transportation and other basic needs.

Labor Rights

Protect all workers’ right to organize and collectively bargain to implement progressive and fair labor policies. Promote diversity and equity in the workplace, maintain and vigorously enforce anti-discrimination and employment statutes, as well as provide recourse for those discriminated against in their pursuit or retention of employment.

Supportive Workplaces

Cultivate family-friendly workplaces including flexible scheduling, job sharing, easily accessible childcare, and maternity/paternity leave.

Workplace Learning and Career Paths

Enable career advancement and wage improvement of the County’s employee base via professional development, mentoring and academic learning; provide on-the-job training to improve worker safety, productivity and job satisfaction.

Workforce Development Comprehensive Planning

Use industry and workforce data, coordinated with local economic development strategies, to drive workforce investments, decision-making, goal- and priority-setting as well as progress measurement.

Workforce Training and Interactive Education

Collaboration among government, business and educational entities to provide and develop education and training that best prepares for and supports progress. Prepare participants for success in the marketplace and workplace by providing quality, affordable and accessible training that imparts the technical, personal, and team skills leading to demonstrable outcomes with respect to successful employment access and retention.

Resources for Success

Offer support services and tools to help ensure that all residents may successfully enter and complete training programs (particularly those with barriers to employment).



COMMUNITY



Education, Arts and Society

Educational Opportunities

Engage all people, from birth through adulthood, with access to high-quality public education.

Educational Environments

Design, manage and operate high-quality facilities and learning settings, accessible to all students that appropriately serve Passaic County residents, create safe and lasting connections to the Passaic County community, and expand assets for historically underserved communities.

School-Community Engagement

Drive successful education inside and outside the classroom by building a strong school-community learning partnership and mutual ownership of educational success.

Ecological Literacy

Provide residents with the informational and material resources they need to think critically about and address environmental problems and solutions, and include the environment as an important consideration in their work and daily living.

Arts and Cultural Civic Support

Engage all audiences with a diverse offering of arts and cultural opportunities to foster participation and creative self-expression; use these resources as platforms to address social, environmental,

educational, and economic development issues in the County. Establish civic leadership and support in cultivating a broad range of arts, cultural and heritage resources and activities.

Neighborhood Vitality

Support the function and identity of neighborhoods by encouraging communication, strengthening community bonds, local participation and interaction, and enhancing sense of place. Provide favorable destinations for employment, leisure and recreation with safe and easy access for all users.

Civic Literacy and Engagement

Encourage communication and promote meaningful participation in civic life within and among neighborhoods and the larger community; create civic participation that is accessible to all, by eliminating barriers to full participation.

Financial Literacy

Empower citizens to make informed choices about the risks and benefits of financial decisions by enhancing understanding of financial concepts and products.



Health and Safety

Health System

Maintain a County-wide health system that monitors and improves community health and works with private medical institutions and professionals to provide equal access to affordable, quality health services.

Nutrition, Health and Safety Literacy

Provide programs and curricula that encourage health and safety, and provide opportunities to gain knowledge, skills and values essential to leading physically and mentally healthy and safe lives. Enhance opportunities for consumer knowledge of health, horticultural, culinary and nutrition education, as well as resource management — from farm to plate and back to farm.⁸²

Workplace Health and Safety

Implement workplace policies, procedures, process, and physical modifications that minimize workers' exposures to hazardous conditions, create a healthy working environment and promote nutrition, physical activity and stress management.

Food Access and Nutrition throughout Food Cycle

Throughout the food cycle, ensure community food security by improving the availability, accessibility and affordability of healthy food at all times for every Passaic County resident; understand and strengthen the Passaic County Food System.⁸³

Drinking Water Quality

Work with public and private utility companies to ensure access to safe, high quality, affordable drinking water for all communities.

Air Quality

Ensure indoor air quality is healthy for all Passaic County residents and outdoor air quality is healthy for both residents and the natural environment.

Toxics Reduction

Reduce toxic exposure and manage materials streams to minimize the use and production of toxic substances throughout product and material life cycles.

Natural and Human Hazards

Plan, deploy and maintain physical and social infrastructures such that vulnerability to natural and human hazards and disasters is reduced for all members of a community. Ensure that communities are adequately prepared to respond to crises, response is effective and coordinated, and recovery is accelerated.

Emergency Prevention and Response

Utilize long-term preventive and collaborative approaches to reduce and avoid emergency incidents; respond to emergency incidents with strategies that minimize response time and harm to humans, property and the environment.

Safe Communities

Create safe, peaceful and thriving communities where all government sectors actively collaborate with citizens as empowered partners to foster pro-social behaviors, prevent and reduce crime, and promote nonviolent conflict resolution.

Active Living

Create opportunities for and promote the integration of recreation and physical activity into County residents' daily routines and the built environment.

Affordability and Justice

Social and Cultural Diversity

Celebrate and respect diversity, and sensitively utilize the diverse perspectives and traditions embodied in the social, cultural and economic diversity of the Passaic County community. Strengthen communities by encouraging communication, partnerships and trust within and among residents, government and the larger community.

Government Transparency

All County decision-making processes should be transparent and evident to the public through the provision of information, participatory tools, education, and an open process.

County Revenues, Expenditures and Investments

Maintain the economic and fiscal sustainability of County revenue sources, expenditures and investments. Ensure that local government procurement, expenditures and financial investments support best practices in social responsibility related to employment, environment and community development. Promote equity and continue healthy economic stability now and into the future.

Infrastructure and Capital Projects

Equitably distribute infrastructure, amenities and services to foster community health and create communities of opportunity.

Human Services

Ensure human services programs are available so that all County residents lead lives of dignity and guarantee that basic needs are met.

Poverty Prevention and Alleviation

Prevent people from falling into poverty and proactively enable those who are living in poverty to obtain greater, lasting economic stability and security.

Civil and Human Rights

Promote the full enjoyment by individuals and groups of their political, social and economic civil rights.

Environmental Justice

Develop and enforce government policies and practices that not only contribute to reducing polluted and toxic environments for all residents, but also lead to an equitable distribution of the positive and negative environmental effects on the health and well-being of communities.

Adjudication and Restorative Justice

Administer fair and equitable adjudication; involve the community and those convicted of crimes in repairing individual and community-scale harm caused by those crimes.

Community Empowerment

Ensure that community members have the skills, resources and assurances needed to participate and lead in defining and implementing decisions affecting individual and community well-being.

Equity Literacy, Assessment and Planning

Advance the well-being of all individuals by ensuring citizen and government understanding and skill to support equity in the community. Identify and analyze patterns of access to foundational community assets, as well as exposure to harms and hazards, and use that information to remedy disparities in access and exposure within and between neighborhoods and populations.

STRATEGIES

Following are a series of strategies to achieve each of the aforementioned goals. The strategies mirror the order, colors and symbols utilized in the Goals section, as demonstrated in **Figure 7**. Each strategy is assigned:

Leader responsible for completing the strategy:

- Passaic County department, agency, or constitutional officer that will lead completion of each strategy,
- Lead department responsible is emphasized in bold text for each strategy;

Partners responsible for assisting with completing the strategy:

- Other Passaic County department(s), agency(ies) or constitutional officer(s),
- Municipal, Regional, State, and/or Federal government entities,
- Universities and Public Corporations, Private Sector or Industry, and Nonprofit or Community organizations;

Group impacted by the strategy:

- Government,
- Business Community / Private Sector,
- Community;

Timeframe expected to complete the strategy:

- Current,
- Short-term (0-5 years),
- Long-term (5+ years);

Goal(s) that the strategy achieves

- Sustainability is at the intersection of all three goals areas - environment, economy, and community; therefore, many strategies achieve multiple goals,
- Each strategy was assigned a 'primary goal,' meaning the one goal which that strategy best achieves,
- For organizational purposes, the strategies are listed in the following tables by their 'primary goal,' and additional goals which each strategy achieves are listed in the last column.

 ENVIRONMENT	 Natural Systems
	 Planning & Design
	 Energy & Climate
 ECONOMY	 Economic Prosperity
	 Employee & Workforce Training
 COMMUNITY	 Education, Arts & Society
	 Health & Safety
	 Affordability & Justice

Figure 7. Legend of colors and symbols for Goals and Strategies



ENVIRONMENT



Natural Systems

ENVIRONMENT Natural Systems

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
<p>1.A Create a Passaic County Conservation Easements Inventory, including in the Highlands Region as part of planned implementation activity of Highlands plan conformance⁸⁴</p>	Planning & Economic Development	Highlands Council Nonprofit Land Trusts	Government Business Community	Short-Term	
<p>1.B Complete a Passaic County Environmental Resources Inventory, including the Environmental Resources Inventory completed in the Highlands Preservation Area⁸⁵</p>	Planning & Economic Development	Highlands Council Environmental Commissions	Government Community	Long-Term	
<p>1.C Pledge to support New Jersey's Wildlife Action Plan, develop a wildlife interaction plan as part of the Environmental Resources Inventory, and provide education programs about wildlife and animals in the community⁸⁶</p>	Planning & Economic Development	Community	Community	Long-Term	
<p>1.D Adopt Passaic County Community Forestry Management Plan; plant and maintain healthy urban forests and street trees at County Facilities, including Parks and County Roads</p>	Buildings & Grounds Parks, Operations	Shade Tree Commissions	Community	Short-Term	
<p>2.A Plant shade trees and install Green Infrastructure at County Facilities (i.e., Green Streets design elements on County Roads, Green Roofs and 'Cool Roofs,' Rain Barrels, Rain Gardens), where feasible and appropriate⁸⁷</p>	Engineering Parks, Buildings & Grounds Planning & Economic Development PCTI, PCCC	Municipal Government Public Works	Government	Short-Term	
<p>2.B Reduce impervious surfaces through implementation of non-structural best management practices for stormwater management at County facilities, including low-impact development and green infrastructure design elements</p>	Engineering Rutgers Cooperative Extension Planning & Economic Development	NJDEP EPA	Community	Short-Term	
<p>2.C Encourage and provide incentives in County Planning Board development review for properties that reduce impervious coverage on-site and utilize green infrastructure or green building design elements for stormwater management; encourage inclusion of green infrastructure and minimizing on-site impervious coverage through local Planning Board review and zoning codes</p>	Planning & Economic Development Engineering	Land Use Boards Private Sector Businesses County Planning Board	Business Community	Short-Term	
<p>2.D Create a Green Streets implementation plan for County Roads, pursuant to the Passaic County Complete Streets Guidelines and EPA Building Blocks⁸⁸</p>	Planning and Economic Development Engineering	EPA	Government Community	Short-Term	
<p>2.E Create a County-wide Inventory of Green Building and Green Infrastructure Projects that is updated during County Planning Board development review, and when government entities make 'green' capital improvement projects⁸⁹</p>	Planning and Economic Development	County Planning Board	Government	Current	



ENVIRONMENT
Natural Systems

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
2.F Modify County Roads Resolution to incentivize reducing impervious surfaces and implementing non-structural best management practices for stormwater management, including low-impact development and green infrastructure design elements	Engineering Planning & Economic Development		Business Community	Short-Term	
2.G Implement green parking recommendations in Appendix B of <i>Moving Passaic County</i> at County facilities ⁹⁰	Engineering Buildings & Grounds		Government	Long-Term	
2.H Provide rain barrels free-of-charge to residents and install rain gardens on public property within the Molly Ann Brook Watershed; expand demonstration project Countywide ⁹¹	Planning & Economic Development Rutgers Cooperative Extension		Community	Short-Term Current	
3.A Create blueways and enhanced floodplains in flood-prone properties with repetitive property damage through the Passaic County Open Space Trust Fund and Community Development Block Grant - Disaster Relief (CDBG-DR); cooperate with Federal and State Floodway and Floodplain Property Acquisitions led by the NJ Office of Emergency Management and Department of Environmental Protection Blue Acres Program ⁹²	Planning & Economic Development Board of Chosen Freeholders	Municipal Government NJOEM NJDEP HUD FEMA	Government Business Community	Long-Term Short-Term Current	
3.B Work with municipal land use boards to protect existing wetland areas, discourage future development near floodplain areas, and reduce impervious coverage through Planning Board review and zoning codes	Planning & Economic Development	Land Use Boards	Business Community	Short-Term	
3.C Develop meadows rather than cutting grasses at County facilities, where appropriate, including parks, open space, and public rights-of-way; encourage meadows at municipal parks, open space, and public right-of-ways	Parks Engineering Operations	Public Works	Government	Long-Term	
3.D Assist municipalities in addressing master plans and zoning ordinances with the goal of guiding development from flood-risk areas and a moratorium on all new development in the floodplain, led by the NJ Department of Environmental Protection ⁹³	Planning & Economic Development	Land Use Boards NJDEP	Government Business Community	Short-Term	
4.A In accordance with New Jersey Act, P.L. 2010, c. 112 (C.58:10A-64), all fertilizer products will have at least 20 percent slow-release nitrogen, zero phosphorus, and be applied by a professional applicator certified by the Rutgers Cooperative Extension. Fertilizer will not be applied from 12/1 through 3/1, during or just before a heavy rainfall, on impervious ground, or within 25 feet of any water body.	Parks Buildings & Grounds		Government	Current	
4.B Inspect all regulated underground fuel storage tank systems on a regular basis through the Underground Storage Tank (UST) Program to identify any problems occurring with the tank systems and prevent discharges from impacting the soil, groundwater and neighboring properties	Health Health/Natural Resources & Recycling	Recycling Coordinators NJDEP	Community	Current	
4.C Adopt a water conservation policy at County facilities, and promote water conservation activities in commercial, residential, and local government properties	Administration Buildings & Grounds Health Rutgers Cooperative Extension	Environmental Commissions Green Teams Boards of Education School Districts Private Sector Businesses Parents & Teachers	Business Community	Short-Term	

PASSAIC COUNTY FUTURE



ENVIRONMENT Natural Systems

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
4.D Locate and eliminate groundwater “seeps” in County roads to minimize road maintenance throughout winter	Engineering Operations	Public Works Depts.		Short-Term	
4.E Purchase and utilize environmentally friendly de-icing alternatives to calcium chloride for Passaic County cooperative purchasing system	Operations	Public Works Depts.	Community	Short-Term	
5.A Utilize Passaic County Open Space & Farmland Preservation programs to increase land dedicated to food production, preservation of farmland; and support local farmers’ markets, farms and agricultural businesses; make farmers’ markets more accessible to all socio-economic groups and geographic areas by multiple modes of transportation ⁹⁴	Planning & Economic Development Rutgers Cooperative Extension	UEZ SID SADC NJ Dept. Agriculture USDA Agricultural Businesses Passaic County Food Policy Council Open Space Advisory Committee & CADB CADB Passaic County Board of Agriculture	Business Community	Short-Term Current	
5.B Promote farmers using USDA / NRCS Programs for agribusiness, which provide engineering design and provide cost-share programs for manure and agricultural waste handling, on-farm leaf composting, drainage, conservation planning, EQUIP program; add links to Passaic County website and provide information in County government facilities	Rutgers Cooperative Extension Planning & Economic Development	Soil Conservation District of Hudson-Essex-Passaic NJ Dept. Agriculture USDA NRCS Board of Agriculture	Business	Short-Term	
5.C Providing Agriculture and Resource Management program to the Passaic County commercial agriculture community including in-county pesticide safety recertification classes, multi-county educational programs, distributing commercial crop production manuals, issuing farm truck certificates, and diagnosing crop problems on site visits	Rutgers Cooperative Extension	Municipal Government County Agriculture Development Board MGAPC (Master Gardeners) Soil Conservation District of Hudson-Essex-Passaic	Business Community	Current	
5.D Implementing recommendations of Passaic County Farmland Preservation Plan via County Agriculture Development Board	Planning & Economic Development	Municipal Government County Agriculture Development Board	Business Community	Current	
5.E Complete an urban agriculture assessment that conducts a market analysis; recommends ideal locations and specific potential sites for urban farming; identifies opportunities for different types of urban farming including community gardens, commercial, and private; identifies barriers to urban agriculture in municipal zoning codes, local ordinances and state regulations; recommends specific policy changes; provides guidelines for urban agriculture on vacant properties and publicly owned facilities; and work with local community groups and nonprofit organizations to establish temporary and permanent urban farming operations on vacant lots, abandoned properties, rooftops, and public property (e.g. Adopt-a-lot programs)	Planning & Economic Development	Land Use Boards Environmental Commissions Green Teams Passaic County Food Policy Council Master Gardeners of Passaic County Open Space Advisory Committee CADB	Community	Short-Term	



ENVIRONMENT
Natural Systems

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
5.F Provide soil testing to Passaic County residents; provide free online public access to Passaic County soil surveys through Soil Conservation Districts; add links to Passaic County website	Rutgers Cooperative Extension Planning & Economic Development	Soil Conservation District of Hudson-Essex-Passaic NJ Dept. Agriculture NRCS USDA	Business Community	Short-Term	
6.A Daylight streams (bring to open air waterways that have previously been culverted to improve biodiversity)	Engineering		Community	Long-Term	
6.B Enhance restored floodplain lands with native plants at County facilities, where appropriate, and encourage enhanced floodplain restoration on municipal floodplain buyout property	Parks Planning & Economic Development Buildings & Grounds	Public Works Depts. NJDEP Blue Acres FEMA/NJOEM	Government	Short-Term	
6.C Preserve habitat and promote a biodiverse landscape in parks; utilizing integrated pest management where necessary for control of destructive insects and/or animals ⁵⁵	Parks	Rutgers Cooperative Extension?	Government Community	Short-Term	
7.A Enforce noise pollution regulations in accordance with N.J.A.C. 7:29	Health	Law Enforcement NJDEP	Community	Current	
8.A Evaluate composting and diverting excess prepared foods from the waste stream at cafeterias in County facilities ⁵⁶	Health/Natural Resources & Recycling Prekness Healthcare Center PCTI, PCCC County Jail	NJDEP Passaic County Food Policy Council Table to Table Ample Harvest	Government	Long-Term	
8.B Promote employee use of reusable water bottles, plates, utensils, cups, and other food containers; use reusable products in cafeterias in County facilities ⁵⁷	Health/ Natural Resources & Recycling		Government	Short-Term	
8.C Establish/expand recycling programs in County facilities and set aggressive recycling targets/goals, monitor recycling in County facilities, ensure County events and programs recycle waste, design an enforcement program, implement a system for the parks, and coordinate recycling education for County employees ⁵⁸	Health/ Natural Resources & Recycling		Government	Short-Term	
8.D Enforce recycling regulations at commercial facilities in accordance with N.J.A.C.7:26A and implement penalties for non-compliance with recycling programs; educate the public about existing recycling programs to boost compliance ⁵⁹	Health	Recycling Coordinators Private sector businesses Non Profit & Community Groups	Community	Current	
8.E Use environmentally responsible and recycled materials for all capital construction projects, including but not limited to road construction and resurfacing, bridges and culverts, drainage systems, and public buildings ⁶⁰	Engineering Buildings & Grounds		Government	Short-Term	
8.F Establish a reusable water bottle / container program in which the County installs commercial water purification devices for employees or departments that use reusable bottles	Health		Government	Short-Term	



ENVIRONMENT Natural Systems

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
8.G Promote residential composting and rainwater harvesting through educational materials and compost bin/rain barrel sales for residents ¹⁰¹	Health/Natural Resources & Recycling Rutgers Cooperative Extension	Nonprofit & Community Groups Environmental Commissions Green Teams	Community	Current	
8.H Implement organics and yard debris collection and composting, and cut-and-leave mowing operations in County parks ¹⁰²	Parks		Government	Current	
8.I Implement recommendations of Passaic County Solid Waste Management Plan (2007)	Health/Natural Resources & Recycling	Recycling Coordinators Passaic County Solid Waste Advisory Commission	Business Community	Current	
8.J Implement recycling and ecofriendly disposal of oil, fuel, Freon®, oil filters, antifreeze, and refrigerants in Operations/Buildings & Grounds ¹⁰³	Buildings & Grounds Health/Natural Resources & Recycling	Operations	Government	Short-Term Current	
8.K Perform a waste audit of all County facilities with targets and strategies to improve waste reduction and improve solid waste program in County facilities ¹⁰⁴	Health/Natural Resources & Recycling		Government	Long-Term	
8.L Coordinate education and outreach programs to support and enhance municipal, state and national resource reduction programs including: recycling, litter abatement, hazardous waste, and computers and electronics	Health/Natural Resources & Recycling	Recycling Coordinators Environmental Commissions Green Teams School Districts	Government Business Community	Current	
8.M Encourage adaptive reuse in design as well as recycling or upcycling construction materials and debris in construction of commercial, residential and local government properties ¹⁰⁵	Health/Natural Resources & Recycling Planning & Economic Development	Land Use Boards Contractors and Construction Businesses Paterson Habitat ReStore National Center for Craftsmanship	Government Business Community	Short-Term	
8.N Provide a recycling markets / location directory to public on Passaic County website	Health/Natural Resources & Recycling		Community	Current	
8.O Hosting compost bin and rain barrel sales	Health/ Natural Resources & Recycling		Community	Current	
8.P Use solar-powered public trash compactors at County facilities, where feasible and appropriate ¹⁰⁶	Buildings & Grounds Health/Solid Waste & Recycling Parks		Government	Long-Term	
8.Q Reuse asphalt millings and purchase asphalt with recycled content ¹⁰⁷	Engineering		Government	Short-Term	



Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
8.R Adopt a paper reuse / recycling policy and reduce paper use in County offices ¹⁰⁸	Administration Health/Natural Resources & Recycling		Government	Short-Term	
8.S Conduct annual inspections of Class A and B recycling facilities and transfer stations, biannual vegetative compost center inspections, solid waste vehicle checks, container inspections, and interviews of applicants for Exempt Self Generator Solid Waste Transporter; inspect recycling operations at larger private facilities and public institutions.	Health		Business Community	Current	
8.T Encourage restaurants and food service establishments to recycle grease/oil, and discourage selling bottled water ¹⁰⁹	Health/Natural Resources & Recycling	Health & Hospitality Businesses	Business	Short-Term	
8.U Host free household electronic waste and hazardous waste disposal programs ¹¹⁰	Health/Natural Resources & Recycling		Community	Current	
8.V Revise bid specifications for bulk purchase supplies to environmentally responsible and recycled options ¹¹¹	Purchasing		Government	Current	
8.W Determine the best green purchasing standards and identify additional environmentally preferable procurement opportunities; design and implement a holistic green purchasing program for the County (with 'buy local' and 'buy recycled' provisions) where feasible and cost-effective ¹¹²	Purchasing Health		Government	Long-Term	
8.X Encourage producer take-back campaigns for disposal of waste products ¹¹³	Health/ Solid Waste & Recycling	Private Sector Businesses	Community	Long-Term	
8.Y Incentivize retail establishments to reduce or eliminate plastic bags; encourage residents and consumers to use reusable bags at stores	Health/Solid Waste & Recycling	Recycling coordinators Retail Businesses	Business Community	Short-Term	



ENVIRONMENT



Planning & Design

ENVIRONMENT Planning & Design

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
9.A Maintain Passaic County plan conformance with Highlands Regional Master Plan	Planning & Economic Development	Highlands Council NJDEP	Government Business Community	Current	
9.B Assist municipal land use boards, commissions, special improvement districts, and agencies with Planning & Economic Development, where feasible and appropriate, through technical guidance or shared services. ¹⁴	Planning & Economic Development	Land Use Boards	Government Business Community	Current	
9.C Develop County design guidelines as a resource for municipalities for sustainable and context-sensitive design; encourage municipalities to adopt the design guidelines for inclusion in local zoning codes ¹⁵	Planning & Economic Development	Land Use Boards	Business Community	Short-Term	
9.D Complete Passaic County Facilities Plan: Phase II that addresses future facilities needs pursuant to Green Building Policy	Planning & Economic Development Administration		Government	Short-Term	
9.E Liaise with regional planning efforts, including Together North Jersey, Highlands Council, NJTPA Regional Greenhouse Gas Mitigation Plan, and the New Jersey Climate Adaptation Alliance	Planning & Economic Development	Highlands Council NJTPA / Rutgers University	Government Business Community	Current	
9.F Utilize <i>Moving Passaic County</i> and Together North Jersey planning process to assess existing infrastructure, capacity, and identify geographic areas and sectors for future business development	Planning & Economic Development	Municipal Governments NJTPA/ Rutgers University	Business Community	Short-Term	
9.H Integrate regional floodplain restoration and green streets/infrastructure and low-impact development design recommendations for stormwater management into Hazard Mitigation Plan; complete 2015 Hazard Mitigation Plan	OEM Planning & Economic Development	OEM Coordinators FEMA EPA	Government Business Community	Short-Term	
10.A Implement R-08-537 Green Building Policy, requiring that all new county facilities and improvements to existing county facilities address the following conditions during design, contracting, construction, and delivery, as project resources and conditions permit: 1) To encourage resource conservation; 2) To reduce the waste generated by construction projects, and strongly promote the preservation and adaptive reuse of architecturally significant buildings; 3) To increase energy efficiency; 4) To promote the health and productivity of residents, workers and visitors of the County; and 5) To support transportation alternatives that serve the needs of workers, consumers and residents, and that improve air quality by enhancing the efficiency and effectiveness of public transportation and reducing solo-driving ¹⁶	Engineering Buildings & Grounds Planning & Economic Development	US Green Building Council National Center for Craftsmanship	Government	Short-Term	

ENVIRONMENT
Planning & Design

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
10.B Develop active living design standards for County buildings and require that all architectural plans and site plans concerning new county building construction and/or rehabilitation/improvement initiatives of county buildings address the standards	Engineering Planning & Economic Development		Government	Short-Term	
10.C Pursuant to R-08-537 Green Building Policy, implement transitional and/or adaptive reuse, historic preservation, and context-sensitive restoration of vacant County facilities, where feasible and appropriate ¹⁷	Engineering Buildings & Grounds Planning & Economic Development	Open Space Advisory Committee National Center for Craftsmanship	Government	Long-Term	
11.A Encourage mixed-use and live-work development, redevelopment and adaptive reuse, in-fill development, context sensitive design, and historic preservation through County Planning Board development review	Planning & Economic Development Engineering	Land Use Boards County Planning Board	Business Community	Current	
12.A Encourage and provide support for municipalities that adopt zoning regulations that promote smart-growth form, transit-oriented development, 'transit villages' and freight-oriented development ¹⁸	Planning & Economic Development	Land Use Boards NJTPA	Business Community	Current	
13.A Improve sidewalk conditions and street-crossing amenities along existing or potential pedestrian corridors, particularly in activity centers, residential street grids and for access to transit ¹⁹	Engineering Planning & Economic Development		Community	Short-Term	
13.B Develop neighborhood traffic management programs - school bus routing, walkability, pedestrian safety - utilize walkable community workshops and road safety audits, traffic calming ²⁰	Planning & Economic Development Engineering	Municipal Engineers NJTPA	Business Community	Long-Term	
13.C Implement bicycle and pedestrian safety infrastructure improvements recommended in <i>Moving Passaic County</i> and the <i>Passaic County Complete Streets Guidelines</i> ²¹	Planning & Economic Development Engineering		Community	Long-Term	
14.A Encourage large developers to provide new housing options through adaptive reuse, interior design, infill development, and brownfields revitalization; and/or utilize cluster development that preserves open space and environmentally sensitive areas	Planning & Economic Development Housing	Land Use Boards Private Sector Businesses Brownfields Commission PERC	Community	Current	
14.B Identify an acceptable site to develop a housing complex, utilizing previous funds set aside for the development of affordable housing, to provide additional housing for County residents	Housing Planning & Economic Development		Government Business Community	Current	
14.C Work with local land use boards to promote accessory-use housing within municipal zoning codes and ordinances, especially in the Highlands Preservation Area	Planning & Economic Development Housing	Land Use Boards	Community	Short-Term	
14.E Providing free public access online to a list of available apartments for Passaic County residents; work with landlords to compile and update the list of available apartments	Housing		Business Community	Current	
14.F Ensure safe, decent and sanitary affordable housing by providing rental assistance to eligible County residents who reside in privately owned apartments through administration of 835 federally funded Housing Choice Vouchers Program Section 8	Housing	Passaic, Clifton and Paterson Housing Agencies HUD	Community	Current	
























PASSAIC COUNTY FUTURE



ENVIRONMENT Planning & Design

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
14.G Provide better housing options for veterans and Americans with disabilities	Housing Senior, Disability Services & Veterans Affairs	Housing Agencies ARC DIAL Independent Living Center	Community	Long-Term	
15.A Increase access to and availability of passive and built green spaces for the public and County employees (i.e., Court House Plaza on Hamilton Street)	Planning & Economic Development Engineering Parks Buildings & Grounds	Private Business Sector?	Community	Short-Term	
15.B Invest in Passaic County's recreational and open space opportunities; complete or enhance underdeveloped parks; identify new opportunities for parks, pocket parks and parklets, especially in urban areas; complete update to <i>Passaic County Parks, Recreation & Open Space Master Plan</i>	Board of Chosen Freeholders Parks Administration Planning & Economic Development	Open Space Trust Fund Advisory Committee Nonprofits	Community	Short-Term Current	
15.C Partner with Clean Communities programs and AmeriCorps Watershed Ambassadors to organize community clean sweep sessions of parks, roadways and other County facilities ¹²²	Health/Natural Resources & Recycling Parks Planning & Economic Development	Clean Communities Coordinators AmeriCorps Watershed Ambassadors	Community	Short-Term	
15.D Develop trails maps for all County parks and a brochure overview of the Passaic County Park System	Planning & Economic Development Parks	Land Use Boards Environmental Commissions Economic Development Committees Highlands Council NJDEP NY-NJ Trails Conference Nonprofit Land Trusts	Community	Short-Term	
15.E Maintain County infrastructure, which includes 247 miles of roadway, 338 bridges and culverts, all County facilities, and the County drainage system	Engineering Buildings & Grounds Operations		Government Business Community	Current	
15.F Upgrade Passaic County's recreational and open space opportunities per recommendations of forthcoming <i>Parks, Recreation, and Open Space Master Plan</i>	Parks Planning & Economic Development Engineering	Open Space Advisory Committee	Community	Long-Term Short-Term	
15.G Utilize the "Passaic County Corridor Enhancement Program" to provide a safer and more attractive environment along the commercial and recreational corridors of the County	Planning & Economic Development	SIDs UEZs	Government Business Community	Current	
15.H Implement and enforce the County Tree Cutting and Maintenance Policy which states, "The County of Passaic shall be responsible for the removal and disposal of trees located within the County Right-of-Way which are deemed to be dead, diseased or dying and beyond recovery, blown down or destroyed due to a windstorm or other natural disaster over which humans have no control. In cases where a municipality has an established ordinance or policy placing responsibility on an individual or entity other than the municipality to maintain trees, that ordinance or policy shall govern" ¹²³	Operations Engineering	Utility Companies Municipal Departments of Public Works	Community	Current	

ENVIRONMENT Planning & Design

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
16.A	Planning & Economic Development Engineering	Municipal Engineers United We Ride Committee NJDOT NJ Transit TMAAs	Business Community	Long-Term Short-Term Current	  
16.B	Board of Chosen Freeholders Planning & Economic Development	Planning Board	Government Business Community	Short-Term	  
16.C	Planning & Economic Development Senior, Disability Services & Veterans Affairs	United We Ride Committee	Business Community	Long-Term	 
16.D	Engineering	Municipal Engineers	Business	Short-Term	 
16.E	Planning & Economic Development Administration Human Resources	Government	Government	Short-Term	  
16.F	Engineering	Business Community	Business Community	Current Long-Term	  
16.G	Planning & Economic Development Engineering	Recreation Departments Engineers Historic Preservation Commissions SHPO	Business Community	Long-Term Short-Term Current	  
16.F	Engineering	Business Community	Business Community	Current	 
16.G	Planning & Economic Development	Land Use Boards NJTPA	Business Community	Short-Term	 

PASSAIC COUNTY FUTURE
























ENVIRONMENT

Planning & Design

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
16.H Create interconnected on-road bicycling network that supports both short- and long-distance bike commuting trips as well as other transportation trips. Increase bicycle parking at transit stations, develop bike-stations at major multi-modal transit terminals and deploy bike racks or priority seating on all transit vehicles. ³⁰	Planning & Economic Development Engineering	NJ Transit TMA	Community	Short-Term	
16.I Improve accessibility to intermodal freight facilities and address infrastructure constraints (i.e., low clearance bridges, low railcar weight limits) that result in circuitous rail routings. ³¹	Planning & Economic Development	NJTPA NJ Transit NYS&W, Norfolk Southern	Business	Long-Term	
16.J Increase enforcement of truck route designations, particularly targeting trucks on non-designated truck corridors during peak periods; pursue temporal diversion strategies for trucks (e.g., off-hours operation of warehouse/distribution centers, off-hour deliveries to businesses). ³²	Sheriff	Law Enforcement NJTPA	Business Community	Long-Term	
16.K Work with NJ Transit, TMA and municipalities through United We Ride Committee and NJTPA to expand Community Cars program, improve 'last mile' commute service between transit stations and destinations, introduce and expand bus rapid transit or shuttle services, encourage employer trip reduction program, and expand TMA-sponsored shuttle bus services. ³³	Planning & Economic Development Senior, Disability Services & Veterans Affairs	United We Ride Committee NJTPA TMA NJ Transit	Business Community	Long-Term	
16.L Following completion of interconnected bicycle network, examine introducing public bike sharing/rental program	Planning & Economic Development		Community	Long-Term	
16.M Develop a detailed Bicycle and Pedestrian Element of the Passaic County Master Plan. ³⁴	Planning & Economic Development		Community	Short-Term	
16.N Develop wayfinding system following the recommendations of <i>Moving Passaic County</i> and the forthcoming <i>Passaic County Heritage Tourism Plan</i> . ³⁵	Planning & Economic Development Engineering		Business Community	Long-Term	
16.O Work with local parking authorities and large commercial parking facilities to extend/align operating hours to commuter hours, and accommodate evening shared parking	Planning & Economic Development	Parking Authorities Land Use Boards Commercial Parking facilities	Business Government		
16.P Provide transportation through Para Transit program for the county's senior citizens and disabled residents in need of non-emergency rides to medical appointments, shopping centers, County-run nutrition and adult day care sites, and for the disabled residents to attend group work programs; special lift vans available to accommodate non-ambulatory individuals	Senior, Disability Services & Veterans Affairs	Senior Services TMA NJ Transit United We Ride Committee	Community	Current	
16.Q Through ECSBA's Business Office, liaise with all school business officials and board secretaries, coordinate with school transportation services	Executive County Superintendent of Schools	School Districts	Government	Current	

ENVIRONMENT
Planning & Design

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
<p>17.A Administer Passaic County Open Space and Farmland Preservation Trust Fund Annual Grant Funding for Acquisitions and Capital Rehabilitation and Restoration Projects</p>	<p>Board of Chosen Freeholders Administration Planning & Economic Development</p>	<p>Municipal Open Space Comm. Highlands Council NJDEP SADC USDA Open Space Trust Fund Advisory Committee</p>	<p>Community</p>	<p>Current</p>	 
<p>17.B Oversee more than 16,000 acres of preserved open space and recreational facilities located throughout Passaic County</p>	<p>Parks Planning & Economic Development</p>	<p>NJDEP Nonprofit Land Trusts</p>	<p>Community</p>	<p>Current</p>	 
<p>17.C Steward conservation easements, parks and preserved open space while ensuring continued public access to recreational lands and open space³⁶</p>	<p>Parks Planning & Economic Development</p>	<p>Nonprofit land trusts NY-NJ Trails Conference</p>	<p>Community</p>	<p>Short-Term Current</p>	
<p>18.A Build upon the Scenic and Historic Byways identified in <i>Moving Passaic County</i>, develop a Heritage Tourism Plan to advance a coordinated and unifying heritage tourism program that promotes Passaic County as a destination for residents and visitors, including ecotourism, agritourism, cultural tourism, and culinary tourism³⁷</p>	<p>Planning & Economic Development</p>	<p>Highlands Council Division of Travel and Tourism Office of Planning Advocacy PCCC Cultural Heritage Council History & Tourism Board</p>	<p>Business Community</p>	<p>Short-Term</p>	  
<p>18.B Instill in Passaic County residents a sense of pride and community in Passaic County's Heritage through events, programs and educational resources</p>	<p>Planning & Economic Development</p>	<p>History & Tourism Board</p>	<p>Community</p>	<p>Short-Term Current</p>	 
<p>18.C Provide grants to Passaic County organizations that plan arts and cultural programs, or local or New Jersey history programs to be presented in Passaic County</p>	<p>PCCC</p>	<p>NJ State Council on the Arts Cultural & Heritage Council</p>	<p>Community</p>	<p>Current</p>	 
<p>19.A Reduce duplication in regulatory compliance and inspections of farms and agricultural businesses at local, county, state, and federal level</p>	<p>Health Planning & Economic Development</p>	<p>Health Departments Zoning Officers</p>	<p>Business</p>	<p>Long-Term</p>	 
<p>19.B Create a model resolution and ordinance database on the Passaic County website with policy guidance and effective examples from other jurisdictions</p>	<p>Planning & Economic Development</p>	<p>Municipal Governments Land Use Boards ANJEC Sustainable Jersey</p>	<p>Community</p>	<p>Short-Term</p>	 
<p>20.A Provide GIS services that support all county departments, including map and data production, Global Positioning System (GPS) support and services, technical support, and coordination of various GIS efforts; provide free publicly accessible web mapping on the Passaic County website</p>	<p>Planning & Economic Development</p>	<p>Land Use Boards NJTPA</p>	<p>Government Business Community</p>	<p>Current</p>	 
<p>20.B Provide a community-driven planning process that assists citizens and community leaders in directing future changes in the county</p>	<p>Planning & Economic Development</p>	<p>Land Use Boards NJTPA</p>	<p>Government Business Community</p>	<p>Current</p>	
<p>20.C Implement a citizen-participation process for the Community Development Block Grant Program that emphasizes participation in areas in which the County proposes to use CDBG funds and outreach to non-English speaking communities</p>	<p>Planning & Economic Development</p>	<p>Municipal Government US HUD Nonprofit and Community Groups</p>	<p>Community</p>	<p>Current</p>	 

ENVIRONMENT



Energy & Climate






























ENVIRONMENT
Energy & Climate

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
21.A	Engineering Improve traffic signal synchronization to reduce congestion; develop and implement traffic signal coordination plans along heavily traveled arterial corridors and in town center grids. Expand capabilities and interoperability of Traffic Management Centers (TMCs) and expand coverage of traffic cameras and other sensors to enhance the overall coordinated transportation management on all transportation facilities; improve overall arterial operation with geometric and capacity improvements at intersections ¹³⁸	Municipal Engineers NJTPA NJ DOT	Community	Long-Term	
21.B	Engineering Deploy active traffic management (ATM) strategies (dynamic control of traffic based on real-time roadway conditions) network-wide, including variable speed limits; expand capabilities and interoperability of TMCs and expand coverage of traffic cameras and other sensors to enhance the overall coordinated transportation management on all transportation facilities ¹³⁹	Municipal Engineers NJTPA NJ DOT	Community	Long-Term	
21.C	Planning & Economic Development Expand/continue development of a central regional listing on-line database for carpool and vanpool matching with dynamic ridesharing capabilities for all program users, and support incentive programs for starting carpools and vanpools ¹⁴⁰	United We Ride Committee NJTPA TMA's	Community	Short-Term	
21.D	Human Resources Perform a feasibility study of a compressed work week that performs a cost-benefit analysis of greenhouse gas mitigation from reducing employee commute and facilities energy use; potentially adopt compressed work week schedule and policy, where feasible and appropriate ¹⁴¹	Government	Government	Long-Term	
21.E	Planning & Economic Development Complete Greenhouse Gas Inventory of all Passaic County Operations with a comprehensive baseline of energy consumption by building and account, calculates the County's carbon footprint, and develops a corresponding Climate Action Plan ¹⁴²	Government	Government	Short-Term	
22.A	Planning & Economic Development Complete a Vulnerability Assessment of all mass transit services/facilities and roadways in the Passaic River Basin addressing possible future impacts of climate change ¹⁴³	NJTPA Morris, Bergen, Essex, Hudson Counties	Community	Short-Term	
22.B	Board of Chosen Freeholders Encourage and support state and national policies and legislation for climate change mitigation and adaptation	Government Business Community	Government Business Community	Long-Term	
22.C	Planning & Economic Development Develop climate adaptation strategies for essential local services and infrastructure; integrate climate adaptation strategies into Hazard Mitigation Plan	OEM Coordinators NJTPA Rutgers University NJ Climate Adaptation Alliance	Government Business Community	Long-Term	

ENVIRONMENT
Energy & Climate 



Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
23.A Promote renewable energy generation on brownfields sites through Passaic County Brownfields Commission; add links to Passaic County website for redevelopment tools available to developers through the US EPA RE-Powering America's Land initiative	Planning & Economic Development	NJ DEP NJ BPU Brownfields Commission PERC	Business Community	Short-Term	  
23.B Advocate for microgrids, small hydropower operations and community solar projects for businesses and neighborhoods	Board of Chosen Freeholders Planning & Economic Development	Municipal Governments NJDEP EDA	Business Community	Long-Term	   
23.C Continuing the Passaic County Renewable Energy Program for Public Entities	PCIA	Municipal Governments	Government	Current	  
23.D Complete an analysis of the capacity to increase renewable energy generation from photovoltaic devices on public, commercial and residential facilities in the County; including aerial analysis and identification of growth areas; per-megawatt cost; environmental, and economic / workforce benefits; barriers to implementation; and potential incentive programs	Planning & Economic Development PCIA	NJ BPU	Government Business Community	Short-Term	  
23.E Install solar panels on County facilities and other participating municipal and board of education facilities, where feasible and appropriate, through PCIA renewable energy program ¹⁴⁴	PCIA Planning & Economic Development	Boards of Education	Government	Short-Term	 
23.F Install small wind energy turbines on County facilities, where feasible and appropriate, beginning with a demonstration project at the Public Safety Academy	Engineering Planning & Economic Development		Government	Long-Term	 
23.G Evaluate and potentially implement a renewable energy project, including either cogeneration or combined heat and power, at Preakness Healthcare Center ¹⁴⁵	Engineering Planning & Economic Development Preakness Healthcare Center		Government	Short-Term	 
24.A Adopt a 'lights out / power down' policy and implement a corresponding employee awareness program to change habits regarding turning off lights, and putting monitors or computers 'to sleep' when not in use	Administration MIS		Government	Short-Term	  
24.B Adopt telecommuting policy that uses remote computing for exempt and professional employees based on job requirements, where feasible and appropriate; including video conferencing, remote computer access, telecommuting, and flexible schedules for employees ¹⁴⁶	Administration Human Resources MIS		Government	Short-Term	 
24.C Retrofitting lighting fixtures in County facilities following the recommendations of the local government energy audits	Buildings & Grounds Engineering		Government	Short-Term	
24.D Improve energy efficiency within computing and data storage systems and servers, analyze ways to capture heat produced by equipment	MIS		Government	Short-Term	
24.E Reduce energy losses from building envelopes through insulation, roofing, air curtains at busy entrances, and insulated windows with tinting to reduce heat gain but benefit from daylighting in County Facilities	Buildings & Grounds Engineering		Government	Long-Term	

PASSAIC COUNTY FUTURE



ENVIRONMENT Energy & Climate

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
<p>24.F Examine how the COGZ^{®147} software and ENERGY STAR Portfolio Manager can be used to monitor HVAC equipment maintenance and operations, and track building energy efficiency; obtain necessary training for buildings & grounds staff; implement an energy tracking and management system for County facilities compatible with the Global Reporting Initiative building energy efficiency.¹⁴⁸</p>	Buildings & Grounds Planning & Economic Development		Government	Short-Term	
<p>24.G Retrofitting heating, cooling and ventilation system (HVAC) in County facilities following the recommendations of the local government energy audits</p>	Buildings & Grounds Engineering		Government	Long-Term	
<p>25.A Retrofit restrooms in County facilities with flushometers, water-saving toilets and showers, waterless urinals, and automatic sensors on sinks</p>	Buildings & Grounds Engineering		Government	Long-Term	
<p>25.B Geographically co-locate County facilities and operations to reduce travel, gain operational efficiency, and maximize building use</p>	Administration Engineering Buildings & Grounds Planning & Economic Development		Government	Long-Term	
<p>25.C Replace fixtures, equipment and system components at County facilities during routine and scheduled maintenance with high efficiency or conserving alternatives¹⁴⁹</p>	Buildings & Grounds Engineering		Government	Long-Term	
<p>25.E Conduct semi-annual monitoring or audits of telephone lines, office equipment, technology equipment, and utility accounts to identify areas for improving efficiency [2012 NJ Best Practices Inventory]</p>	Administration Finance		Government	Current	
<p>25.F Improving efficiency and sharing of large equipment including but not limited to vehicles, copiers, fax machines, printers, scanners, folding machines, and so on.</p>	Administration Motor Pool		Government	Long-Term	
<p>25.G Use low-maintenance natural landscaping with native plantings at County facilities reduce emissions from lawnmowers and landscaping equipment and install weather-controlled irrigation systems to reduce water use; remove turf where feasible and appropriate¹⁵⁰</p>	Parks Engineering		Government	Long-Term	
<p>25.H Install energy-efficient outdoor and street lighting at County facilities</p>	Engineering Parks Buildings & Grounds		Government	Short-Term	
<p>25.I Use carpet tiles for renovation and new construction projects in County facilities</p>	Engineering Buildings & Grounds PCCC		Government	Current	
<p>25.J Retrofit large kitchens and laundries in County facilities with Energy STAR appliances¹⁵¹</p>	Buildings & Grounds Preakness Healthcare County Jail PCTI PCCC		Government	Short-Term	



ENVIRONMENT
Energy & Climate



Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
<p>26.A Promote use of alternative fuel vehicles to balance GHG reduction goals with mobility needs by participating in NJTPA and NJDEP regional alternative vehicle readiness planning, providing consumers with an online/mobile AFV/EV fueling station finder tool, as well as partnering with electric utilities, charging station manufacturers, alternative fuel distributors and manufacturers to encourage the deployment of refueling locations throughout the County, prioritized at public facilities, parking garages and intermodal transit stations¹⁵²</p>	<p>Planning & Economic Development</p>	<p>NJTPA NJDEP</p>	<p>Business Community</p>	<p>Long-Term</p>	
<p>26.B Establish an addendum to R-12-699 Green Fleet Policy for law enforcement vehicles that improves fuel efficiency, increases bicycle patrols, minimizes vehicle fleet size, and decreases idling of County Sheriff's Department vehicles¹⁵³</p>	<p>Sheriff Motor Pool Planning & Economic Development</p>		<p>Government</p>	<p>Short-Term</p>	
<p>26.C Establish fuel usage monitoring and management system for equipment, golf carts, 'loaner cars,' and yard keys; minimize fuel usage</p>	<p>Motor Pool Parks Buildings & Grounds Operations</p>		<p>Government</p>	<p>Short-Term</p>	
<p>26.D Pursuant to R-12-699 Green Fleet Policy, complete a County vehicle fleet inventory; optimize vehicle fleet size; improve fuel efficiency of County fleet by monitoring tire pressure and purchasing the most fuel efficient and/or alternative fuel vehicles possible, where feasible and appropriate; encourage new transportation technologies; minimize vehicle miles traveled; encourage car sharing among departments; and improve vehicle maintenance program using vehicle maintenance software, scheduling and monitoring¹⁵⁴</p>	<p>Motor Pool</p>		<p>Government</p>	<p>Long-Term</p>	
<p>27.A Promote renewable energy use to businesses and homeowners; provide businesses and residents with information on state incentives and programs for renewable energy on Passaic County website</p>	<p>Planning & Economic Development</p>	<p>NJ BPU NJ PACE</p>	<p>Business Community</p>	<p>Short-Term</p>	



ECONOMY



Economic Prosperity



ECONOMY Economic Prosperity \$

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
28.A Analyze opportunities for enhancing Passaic County's technological capabilities through high-speed internet, fiber-optic networks and 'smart-grid' technology	MIS Administration	MSU WPU Berkeley	Business	Current	\$
28.B Bring more businesses to Passaic County by identifying available property and assisting with real estate market analysis, as well as identifying financing opportunities and assisting with securing financing from project start to finish	Planning & Economic Development	EDA SBA	Business	Current	\$
28.C Providing small business survival strategies and enterprise support for Passaic County businesses and entrepreneurs	Planning & Economic Development	WPU Small Business Development Center	Business	Current	\$
28.D Create an entrepreneurial idea sharing network/innovation hub for business incubators that leverages EDA and SBA resources (e.g., SCORE Counselors) to provide support for microbusiness development, startups and business incubators to enhance opportunities for entrepreneurship	WIB One Stop Career Centers Planning & Economic Development	EDA SBA WPU Small Business Development Center	Business	Short-Term	\$
28.E Increase access to financing for Women and Minority owned companies	Planning & Economic Development	EDA SBA	Business	Short-Term	\$
28.F Increase business counseling opportunities for new companies, less than 10 years old	Planning & Economic Development	EDA SBA	Business	Short-Term	\$
29.A Facilitate access to capital for technological innovation (e.g., converting oil and food waste to energy and fuel)	Planning & Economic Development PCIA	EDA SBA WPU Small Business Development Center	Business	Short-Term	\$
29.B Promote 'green businesses' in the local economy by providing technical assistance to developers and businesses on green building, renewable energy technologies and energy efficiency financing mechanisms for businesses; create a 'green business resource center' on the Passaic County website with information on tax incentives and programs ¹⁵⁵	Planning & Economic Development	WPU Small Business Development Center	Business	Current	\$



ECONOMY
Economic Prosperity \$














Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
29.C	Planning & Economic Development Award and recognize new construction and innovative design projects that voluntarily exceed minimum standards for energy conservation (e.g., Green Building Design Awards) ¹⁵⁶	Private Sector Businesses	Business	Long-Term Current	\$
29.D	Engineering Develop a business sponsorship program for 'green projects' at County facilities and along County roads, including but not limited to green infrastructure, green streets, maintenance, beautification, and landscaping	Private Sector Businesses	Community	Short-Term	\$
29.E	Planning & Economic Development Prepare local businesses for changing economies by providing customized training and education in green systems and technologies, lean manufacturing, and business efficiency; expand dialogue with local businesses to determine new customized training programs that would be of highest benefit to local businesses	SBA WPU Small Business Development Center	Business Sector	Short-Term	\$
30.A	Planning & Economic Development Foster the development of the motion picture and television film industry in the County in an attempt to increase the image of Passaic County; increase local employment opportunities; and increase revenues for Passaic County companies		Business Sector	Current	\$
31.A	Planning & Economic Development Assist municipalities with downtown revitalization and economic development through planning and implementation of transit-oriented development, special improvement districts, complete streets design guidelines, and special events (fairs, festivals, hikes, cash mobs, and so on)	Land Use Boards Environmental Commissions Chambers of Commerce	Community	Current	\$
31.B	PCIA Partner in economic development and provide financial assistance to local governments, school districts, non-profit corporations, and private entities	Municipal Governments Private sector businesses Nonprofits and Community Groups	Government Business Community	Current	\$
32.A	Planning & Economic Development Promote live-work environment through economic development by working with developers to link housing starts to job opportunities	Land Use Boards Private sector businesses	Business Community	Long-Term	\$
32.B	Rutgers Cooperative Extension Support direct marketing for agribusinesses and food manufacturers, retail, or hospitality services, to facilitate linking farmers to customers (including community-supported agriculture, farm-to-table operations, and farmers markets)	SADC NJ Dept. Agriculture Passaic County Board of Agriculture	Business	Short-Term	\$
32.C	One Stop Career Centers Encourage local businesses to hire County residents via One Stop Career Centers	Private sector businesses	Community	Short-Term	\$

PASSAIC COUNTY FUTURE



ECONOMY

Economic Prosperity

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
<p>33.A Facilitate remediation, revitalization and reuse of brownfields sites through the Passaic County Brownfields Commission, in partnership with NJDEP and EPA Region II</p>	<p>Planning & Economic Development</p>	<p>Land Use Boards NJDEP EPA Brownfields Commission PERC</p>	<p>Government Business Community</p>	<p>Current</p>	<p> </p>
<p>33.B Work with municipalities and local land use boards to devise a strategy for revitalizing vacant and abandoned properties to their highest and best use, especially in urban areas</p>	<p>Planning & Economic Development</p>	<p>Land Use Boards</p>	<p>Government Business Community</p>	<p>Short-Term</p>	<p>  </p>
<p>33.C Work with large commercial lenders, municipalities and local land use boards to devise a strategy to address foreclosed properties</p>	<p>Housing Human Services Planning & Economic Development</p>	<p>Land Use Boards Housing Agencies Financial Institutions</p>	<p>Business Community</p>	<p>Short-Term</p>	<p>  </p>
<p>34.A Work with municipalities to promote local food production in their communities through policy, programs and partnerships including but not limited to urban farming, community gardens, farming on vacant lots, hydroponics, and aquaculture; promote greenmarkets and local food markets, especially in areas underserved by grocery stores.</p>	<p>Rutgers Cooperative Extension Human Services</p>	<p>Tax Assessors Public Works UEZ SID Private sector businesses Passaic County Food Policy Council Master Gardeners of Passaic County Open Space Advisory Committee Ample Harvest</p>	<p>Community</p>	<p>Long-Term</p>	<p>  </p>
<p>34.B Work with local nonprofit organizations to support food donation or reclamation programs (such as Ample Harvest) and vegetable oil reuse programs¹⁵⁷</p>	<p>Health/ Solid Waste & Recycling</p>	<p>Passaic County Food Policy Council Ample Harvest Faith-based organizations Food pantries</p>	<p>Community</p>	<p>Short-Term</p>	<p> </p>

ECONOMY

Employment & Workforce Training






Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
35.A File applications for employment and New Jersey Department of Personnel inquiries	Human Resources		Government Community	Current	
35.B Promote diversity and equal opportunity through County hiring practices	Human Resources	US Equal Opportunity Commission	Government	Current	
35.C Match employers and available jobs with skilled employees to identify customized job training programs necessary to marry employer needs and skills sets, using jobs4jersey.com	One-Stop Career Center WIB	NJ Dept. Labor	Business Community	Current	
35.D Partner with existing programs through WIB Green Jobs subcommittee to provide training and job search support for 'green collar jobs'	WIB One-Stop Career Center Planning & Economic Development	WPU Small Business Development Center HoHokus School of Trade & Technical Sciences National Center for Craftsmanship	Business Community	Long-Term	
35.E Operating One-stop Career Center/Business Resource Center for Passaic County Residents	One-Stop Career Center Human Services PCCC		Business Community	Current	
36.A Provide pre-tax employee medical and pharmaceutical benefits for employees and dependents through the Passaic County employee FSA program	Human Resources		Government	Current	
36.B Assist county employees with questions about benefits, regularly review health benefit covered lives to delete employees, spouses or dependents who should no longer be receiving coverage; implement healthcare contribution provisions	Human Resources		Government	Current	
36.C Provide "Passaic County Employee Assistance Program," medical, dental and prescription coverage to full-time employees, elected and appointed officials (excluding part-time employees, elected and appointed officials)	Board of Chosen Freeholders	Administration Human Resources	Government	Current	



ECONOMY

Employment & Workforce Training

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
<p>36.D Contribute financially to professional employees continuing education credits and certifications (e.g., professional development courses, materials and conferences), provide free education and continuing education courses for County employees through PCCC, and explore opportunities to work with other universities for continuing education "directly related" to that employee's work</p>	<p>Human Resources PCCC One-Stop Career Center</p>	<p>WPU MSU Berkeley Additional Local Universities</p>	Government	Current	
<p>37.A Hire, promote and retrain all applicants and employees in accordance with established equal employment opportunity (EEO) and non-discrimination policies</p>	<p>Human Resources Board of Chosen Freeholders Administration</p>	NJ Dept. Labor	Government	Current	
<p>37.B Administer workers compensation program and 'transitional duty' program to encourage employees out on workers compensation to return to work; limit benefits for work-related injuries to the statutory benefit detailed in the State Workers Compensation Law and benefits for non-work related injuries to the statutory benefits detailed in the State Temporary Disability Law⁵⁸</p>	<p>Human Resources</p>		Government	Short-Term Current	
<p>37.C Maintain confidentiality while ensuring that County departments uphold the personnel policies and procedures outlined in the County of Passaic Personnel Policies and Procedures Manual, including but not limited to: Anti-Discrimination Policy, Americans with Disabilities Act Policy, General Anti-Harassment Policy, and Grievance Policy</p>	<p>Human Resources Administration</p>		Government	Current	
<p>38.A Document and clearly communicate personnel policies and procedures to County employees through County of Passaic Personnel Policies and Procedures Manual, regularly review and update manual</p>	<p>Administration Human Resources</p>		Government	Current	
<p>39.A Through Certification division, coordinate Passaic County teacher certification, provide information and requirements on credentials and Praxis testing</p>	<p>Executive County Superintendent of Schools</p>	NJ Dept. Education	Government Community	Current	
<p>40.A Implementing Passaic County Workforce Investment Board "To Work" Consolidation Plan to achieve an effective, efficient, consolidated, and integrated Workforce system</p>	<p>WIB</p>		Community	Current	
<p>41.A Offer the Alternate Route Program (N.J.S.A. 52:17B-69.1), designed to give individuals interested in becoming police officers the opportunity to attend a certified police-training academy at their own expense, prior to being hired by a police, sheriff's or campus police department</p>	<p>Police Academy</p>	Law Enforcement	Government Community	Current	

 Strategy	ECONOMY Employment & Workforce Training 	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
41.B	Continue Workforce Investment Board "Second Chance Act" grant implementation and expand programs for at-risk youth, "Roots to Re-entry" and veterans to provide education/training or certifications in rain garden installation, solar panel installation, green building/energy efficiency, and urban farming ¹⁵⁹	Rutgers Cooperative Extension WIB Sheriff	Master Gardeners Association of Passaic County (MGAPC)	Business Community	Short-Term Current	 
42.A	Implement recommendations and strategies of Passaic County WIB Strategic Plan for Industry-Based Collaboration and One-Stop Integration	WIB Human Services One-Stop Career Center PCCC	Private Sector	Business Community	Current	



COMMUNITY


















Education, Arts & Society






















COMMUNITY

Education, Arts & Society

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
<p>43.A Serve the post-secondary educational needs of Passaic County residents through Passaic County Community College (PCCC), a two-year public college that offers Associates degrees, diploma and certificate programs, and continuing education classes</p>	PCCC		Community	Current	 
<p>43.B Serve the secondary and technical educational needs of Passaic County residents through Passaic County Technical Institute (PCTI), a comprehensive public high school offering both academic and career-oriented educational programs</p>	PCTI		Business Community	Current	 
<p>43.C Prepare County residents of all ages for success by developing and maintaining innovative, high quality education and continuing education systems that evolve to meet the needs of the future</p>	<p>Superintendent of Schools PCTI PCCC</p>		Business Community	Current	 
<p>43.D Offer Capacity Building courses and programming for faith-based and non-profit organizations, including faith-based and nonprofit conferences and courses at WPU</p>	<p>Human Services One-Stop Career Center WIB</p>	WPU Continuing and Professional Education	Business Community	Current	 
<p>43.E Coordinate Passaic County 4-H Clubs, After School and Summer programs, which educate children and teens on healthy lifestyles and science, engineering and technology, as well as counselor training, caring for animals, and improving their community and environment</p>	<p>Rutgers Cooperative Extension Parks</p>	School Districts Nonprofit and Community Groups	Community	Current	 
<p>43.F Provide the 4-H Youth Development program, a learn-by-doing approach, to enable youth to develop the knowledge, attitudes and skills they need to become competent, caring and contributing citizens of the world</p>	<p>Rutgers Cooperative Extension</p>	NJAES Nonprofit and Community Groups	Community	Current	 
<p>44.A Assist school districts in accomplishing or maintaining compliance with state and federal regulations; oversight, technical assistance, approvals, and/or support are provided in the areas of comprehensive planning for improving students outcomes; safe instructional facilities; safe and efficient transportation; teacher certification; special education; program and fiscal accountability through implementation of a monitoring system; responsible fiscal practices; administrative and liaison services for mandated programs; and program development and implementation</p>	<p>Executive County Superintendent of Schools</p>	School Districts NJ Dept. Education Office of the Commissioner of Education Parents, Students, Teachers	Government Community	Current	  

COMMUNITY

Education, Arts & Society







Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
<p>44.B Keep informed and make recommendations to the management, methods of instruction, and discipline and the courses of study and textbooks in use, the condition of the school libraries, and the condition of the real and personal property, particularly in respect to the construction, heating, ventilation, and lighting of school buildings, in local Passaic County school districts; begin integrating school-based Energy Conservation Programs in such property</p>	<p>Executive County Superintendent of Schools</p>	<p>School Districts Parents, Students, Teachers</p>	<p>Government Community</p>	<p>Current</p>	 
<p>45.A Provide links on the Passaic County website to all Passaic County school districts, charter schools, and other resources for parents, teachers, and students</p>	<p>Executive County Superintendent of Schools</p>	<p>School Districts</p>	<p>Government Community</p>	<p>Current</p>	 
<p>45.B Strengthen government, community, and private-sector collaboration with the higher education community in Passaic County to promote research and development of new technologies and innovation</p>	<p>WIB Planning & Economic Development PCCC</p>	<p>MSU WPU Berkeley Private sector businesses</p>	<p>Business Community</p>	<p>Long-Term</p>	 
<p>45.C Create a digital hub for students, volunteers and interns to find community service opportunities, internships, and other volunteer positions</p>	<p>WIB One Stop Career Centers Superintendent of Schools Rutgers Cooperative Extension</p>	<p>Private sector businesses Community Service Organizations</p>	<p>Government Business Community</p>	<p>Short-Term</p>	  
<p>45.D Provide posters, PowerPoint presentations and teaching tools that provide an overview of the County's rich history and environmental history to serve as resources for students throughout Passaic County</p>	<p>Planning & Economic Development Health</p>	<p>History & Tourism Board</p>	<p>Government Business Community</p>	<p>Short-Term Current</p>	  
<p>46.A Encourage residents, businesses and municipal governments to improve energy efficiency and promote energy conservation through New Jersey's Clean Energy Programs, which provide financial incentives and rebates to residents and businesses that implement energy saving activities; provide resource hyperlinks on Passaic County website¹⁶⁰</p>	<p>Planning & Economic Development Rutgers Cooperative Extension</p>	<p>Environmental Commissions Green Teams Boards of Education School Districts NJ BPU Clean Energy</p>	<p>Business Community</p>	<p>Short-Term</p>	  
<p>46.B Continue the Environmental and Resource Management Program, designed to provide research-based technical assistance and education programs about environmental issues throughout the county; focus areas include stormwater management, water quality, water conservation, and environmentally-friendly landscaping</p>	<p>Rutgers Cooperative Extension Health</p>	<p>NJAES</p>	<p>Community</p>	<p>Current</p>	 
<p>46.C Offer educational programs and activities for all ages at the John Crowley Nature Center Astronomical Observatory at Rifle Camp Park, including: children's workshops, tours for individuals and groups of the Nature Center and its exhibits including the bird blind, astronomical observatory and seismograph</p>	<p>Parks</p>		<p>Community</p>	<p>Current</p>	 

PASSAIC COUNTY FUTURE









COMMUNITY

Education, Arts & Society

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
<p>46.D Integrate 'Education for Sustainability' programs within Passaic County schools' curricula, integrate sustainability into adult education programs and support existing sustainability efforts/programs in schools (i.e., 'green curriculum,' ecological awareness campaigns); provide a forum to discuss best practices for sustainability education and encourage collaboration across educational institutions ¹⁶¹</p> <p>Educate community on sustainability issues and promote environmental conservation</p>	<p>Superintendent of Schools PCCC PCTI Health</p>	Boards of Education School Districts NJ Dept. Education WPU MSU Berkeley	Community	Short-Term	
<p>46.E Provide educational programs on recycling activities and impacts within schools by Environmental Educator</p>	<p>Rutgers Cooperative Extension Health/Solid Waste & Recycling Parks PCTI PCCC Planning & Economic Development Superintendent of Schools</p>	Environmental Commissions Green Teams Boards of Education School Districts Clean Communities Program WPU, MSU, Berkeley Local Media Community Groups including: PTA Environmental Clubs, Americorps Weis Ecology Center, FOLA School Districts	Community	Current	 
<p>46.F Host and sponsor periodic educational programs, workshops and events to raise sustainability awareness among County employees, local government, businesses, and community (e.g., Nature Center, Green Building Design Conference, Green Fair, Green Streets Workshop)</p>	<p>Health/Natural Resources & Recycling</p>		Community	Current	
<p>46.G Encourage strengthening arts and cultural programs within Passaic County schools' curricula; given limited funding for the arts, assist with awareness, guidance, and how to secure grant funding for arts education ¹⁶²</p>	<p>Rutgers Cooperative Extension Parks Planning & Economic Development Health/Solid Waste & Recycling</p>		Government Business Community	Current	 
<p>47.A Provide free recreational, arts and cultural opportunities for Passaic County youth</p>	<p>Superintendent of Schools PCCC PCTI</p>	Boards of Education School Districts NJ Dept. Education	Community	Short-Term	
<p>47.B Provide free recreational, arts and cultural opportunities for Passaic County youth</p>	<p>Camp Hope Rutgers Cooperative Extension</p>	Recreation Departments Various educational and civic organizations, nonprofit & community groups, faith-based and cultural organizations	Community	Current	 

SUSTAINABILITY ELEMENT

 COMMUNITY Education, Arts & Society	Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
47.C	Host and sponsor events and programs to bridge the gap between sustainability and the arts (e.g., Environmental Poetry Anthology, Environment in Literature festival)	PCCC Parks Rutgers Cooperative Extension	NJ State Council on the Arts Cultural & Heritage Council	Community	Short-Term	
49.A	Require elected officials and administration to attend on an annual basis at least one course covering the responsibilities and obligations of elected officials (e.g., courses offered by Rutgers University Center for Government Services or NJ League of Municipalities) ¹⁶³	Board of Chosen Freeholders Administration Human Resources	Rutgers University Center for Government Services NJ League of Municipalities Citizens Campaign	Government	Short-Term	 
50.A	Provide resources on Passaic County website for property owners and developers on transfer of development rights (TDRs), conservation easements, and land banking	Planning & Economic Development	Highlands Council NJDEP	Business Community	Short-Term	
50.B	Promote economic self-sufficiency by providing a Family Self Sufficiency Program to any subsidized family residing in Passaic County who wishes to participate	Housing		Community	Short-Term	



COMMUNITY



Health & Safety





COMMUNITY Health & Safety

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
<p>51.A Plan and coordinate funding of mental health and addiction services or treatment for Passaic County residents through Mental Health & Addiction Services Division</p>	Human Services	Professional Advisory Committee on Alcoholism & Drug Abuse (PACADA) Mental Health Board Catholic Charities New Bridge	Community	Current	
<p>51.B Provide free help to New Jersey Medicare beneficiaries who have problems with (or questions about) their health insurance through the State Health Insurance Assistance Program (S.H.I.P.), with volunteer counselors trained in areas of health insurance coverage and benefits that affect Medicare beneficiaries, who provide information and assistance for dealing with claims and in evaluating health insurance needs</p>	Senior, Disability Services & Veterans Affairs	NJ Dept. of Health and Senior Services U.S. Dept. Health and Human Services' Centers for Medicare & Medicaid Services	Community	Current	
<p>51.C Operate Community Based Outreach Clinic, a medical clinic for Veterans; provide transportation to the clinic and for outpatients to the Veterans Administration Hospital in East Orange through Para Transit program</p>	Senior, Disability Services & Veterans Affairs		Community	Current	
<p>51.D Administer Passaic County wellness discount program for County residents and employees; expand to include local fitness clubs, classes and recreation facilities⁶⁴</p>	Human Resources	Health Departments	Community	Current	
<p>51.E Serve the healthcare needs of Passaic County residents at Preakness Healthcare Center, a licensed 406-bed skilled nursing facility, which provides subacute, long-term, respite, and hospice care, as well as diversified services including Rehabilitation Therapy (Physical Therapy, Occupational Therapy, Speech Therapy), Enteral Respiratory Care (including tracheostomy and ventilator), Enteral Nutrition, Peritoneal Dialysis, Mental Health, Alzheimer's disease and Dementia; with two licensed specialty units, Behavioral Management and Ventilator Dependent with Hemodialysis Services; and on-site services including Audiology, Chiropractic, Dental, Ophthalmology, and Rehabilitation Therapy</p>	Preakness Healthcare		Community	Current	

COMMUNITY

Health & Safety 
















Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
<p>52.A Conduct programs focused on Food, Nutrition and Health education through the Family and Community Health Sciences Program; conduct workshops, courses and exhibits to address childhood obesity and adult diseases such as diabetes, heart disease and cancer</p>	<p>Rutgers Cooperative Extension</p>	<p>NJAES Passaic County Food Policy Council</p>	<p>Community</p>	<p>Current</p>	 
<p>52.B Bring nutrition education to people who are receiving Supplemental Nutrition Assistance (SNAP) or are SNAP-eligible through the SNAP-Ed program, including at County nutrition sites; assist limited-resource families and youth or NJ SNAP participants in making behavior changes, and acquiring the knowledge, skills and attitudes necessary for them to achieve nutritionally sound diets, and to contribute to program participants' food security and their ability to improve their family's as well as their own diets and nutritional welfare</p>	<p>Rutgers Cooperative Extension Senior, Disability Services & Veterans Affairs</p>	<p>NJ Department of Agriculture US Department of Agriculture Food Policy Institute NJAES, Rutgers Department of Nutritional Sciences Passaic County Food Policy Council Food Banks</p>	<p>Community</p>	<p>Current</p>	 
<p>52.C Educate residents on healthy eating options and healthy living through the Expanded Food and Nutrition Education Program (EFNEP), a federally funded program that brings nutrition education to the limited-resource residents of Passaic County; assist limited-resource families and youth in making behavior changes, and acquiring the knowledge, skills and attitudes necessary for them to achieve nutritionally sound diets; increase food security and dietary and nutritional welfare of participants</p>	<p>Rutgers Cooperative Extension</p>	<p>NJ Department of Agriculture US Department of Agriculture NJAES Passaic County Food Policy Council</p>	<p>Community</p>	<p>Current</p>	 
<p>53.A Provide annual employment practice liability training; defensive driving; sexual harassment training; and ethics training for County employees¹⁶⁵</p>	<p>Human Resources Prosecutor</p>		<p>Government</p>	<p>Short-Term Current</p>	 
<p>53.B Help employers protect their employees, themselves, emergency response personnel, community residents, and the environment from hazardous materials used in the workplace through the Right to Know Program; conduct inspections of facilities to ensure the accurate submission of Right to Know and Community Right to Know Surveys, develop educational programs to inform workers of job-related health and safety issues associated with exposure to hazardous substances and ways to minimize the risks associated with same</p>	<p>Health</p>	<p>NJDEP NJ Dept. Labor NJ Dept. Health Private sector businesses</p>	<p>Business Community</p>	<p>Current</p>	
<p>53.C Inspect and monitor dry cleaning establishments for perchloroethylene vapors in the business</p>	<p>Health</p>	<p>NJDEP</p>	<p>Business Community</p>	<p>Current</p>	
<p>53.D Revise bid specifications for janitorial supplies to include green cleaning options, considering Community Right to Know program¹⁶⁶</p>	<p>Purchasing Health</p>	<p>Health Planning & Economic Development</p>	<p>Government</p>	<p>Short-Term Current</p>	

PASSAIC COUNTY FUTURE




















COMMUNITY Health & Safety

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
54.A	Senior, Disability Services & Veterans Affairs Provide nutrition services for the residents of the County including: congregate meals, home-delivered meals through the Meals on Wheels program, nutrition counseling, and nutrition education; operate eight nutrition centers for Passaic County residents, in partnership with municipalities	Municipal Governments	Community	Current	 
54.B	Work with local Boards of Education and municipalities to implement a healthy school lunch program and "buy local" food initiatives ¹⁶⁷	Boards of Education School Districts NJ Dept. Agriculture USDA Passaic County Food Policy Council	Community	Current	 
55.A	Health Ensure regulatory compliance of public non-community transient and non-transient wells through the Safe Drinking Water Program; investigate and address all surface water complaints and referrals; educate the public about water quality; provide assistance to residents to achieve compliance with the standards set by NJDEP and US EPA; ensure the safety of residential wells under the Private Well Testing Act by notifying and educating residents of any exceedance of drinking water standards	NJDEP USEPA Well-testing businesses AmeriCorps Watershed Ambassadors	Community	Current	 
56.A	Health Plan and Economic Development Promote 'Spare the Air' days and 'Bike/walk to work' days (voluntary curtailment of high-emission activities)	Nonprofit & Community Groups	Community	Short-Term	 
56.B	Planning & Economic Development Engineering Operations Encourage and support municipal shade tree commissions/committees, tree cutting ordinances, and shade tree ordinances	Shade Tree Commissions Land Use Boards	Community	Current	 
56.C	Health Plan and Economic Development Support 'discount days' during high ozone days; provide 'ozone alert days' calendar on Passaic County website and Facebook page	United We Ride Committee NJ Transit TMAA	Community	Long-Term	 
56.D	Health Motor Pool Operations Pursuant to R-12-699 Green Fleet Policy and New Jersey Idling Requirements for Motor Vehicles N.J.A.C. 7:27-14.15, restrict idling of County vehicles, install anti-idling signage at County facilities, and continue anti-idling education and enforcement programs ¹⁶⁸	Green Teams Environmental Commissions NJDEP stophthesoot.org	Government	Short-Term	 
56.E	Health Conduct odor, dust, idling, and visible emissions investigations to verify odor complaints and respond in a timely fashion	Health Departments NJDEP	Community	Current	
56.F	Operations Motor Pool Pursuant to New Jersey P.L. 2005, c. 219 Diesel Risk Reduction Law, install diesel particulate filters (DPFs) on County fleet vehicles	NJDEP	Government	Current	

COMMUNITY
Health & Safety 






















Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
<p>57.A Ensure that pesticides are applied by licensed applicators, and that proper safety precautions and notifications are implemented through Pesticide Control Program by verifying landscapers are in compliance with state regulations for commercially applying pesticides and herbicides; conduct compliance inspections in schools and golf courses to determine that these facilities are adhering to the law; inspect retail establishments for illegally selling unregistered pesticide products; and confirm that all public, private and charter schools have an Integrated Pest Management Plan and Policy in place which is adequately maintained; institute pesticide-free zones in environmentally sensitive areas¹⁶⁹</p>	<p>Health Rutgers Cooperative Extension Mosquito Control Parks</p>	NJDEP	Community	Current	 
<p>57.B Ensure compliance of quarries, commercial scrapping facilities and heavy industrial operations with drainage system maintenance, dust control, traffic impacts, and noise pollution</p>	Health Engineering	Planning Board	Community	Long-Term	  
<p>57.C Ensure that businesses and property owners comply with operating requirements, that solid waste is properly disposed, and mandated recyclable materials are removed from the solid waste stream by investigating all solid waste complaints received from citizens and other government agencies¹⁷⁰</p>	Health/Natural Resources & Recycling	Municipal Government Recycling Coordinators Chambers of Commerce	Business Community	Current	 
<p>57.E Educate the Passaic County community on lead poisoning and prevention through lead educational programs directed at residents, child care providers, building maintenance staff, housing agencies, and health boards; provide lead paint testing¹⁷¹</p>	Health	Paterson Board of Health Health Departments NJ Department of Community Affairs Centers for Disease Control and Prevention "Health People" program American Coatings Association	Community	Short-Term Current	  
<p>58.A Regularly remove debris and clear inlets and catch basins on County roads to prevent localized flooding, icing or potential erosion scouring</p>	Operations Engineering	Public Works	Community	Current	  
<p>58.B Implement a cooperative program for public and environmental health through interlocal agreements that formalize the cooperative work plans for hazardous material response; expand interlocal network to reduce costs and share resources</p>	Health Sheriff	Clifton Fire Department, Wayne Fire Department, Nutley Fire Department Morris, Hudson, Bergen, Essex, Union Counties	Community	Current	
<p>59.A Work with NJDEP, USGS, NOAA, and municipalities to improve flood monitoring system (i.e., install additional flood gauges) and related flood emergency management systems (i.e., evacuation routes) to protect Passaic County communities and provide better awareness to local businesses and residents</p>	OEM Engineering	Government Business Community	Government Business Community	Current	  

PASSAIC COUNTY FUTURE















COMMUNITY Health & Safety

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
59.B Provide any requested assistance with updates to the Flood Risk Mapping led by the NJ Department of Environmental Protection ¹⁷²	Planning & Economic Development OEM	NJDEP FEMA	Government Business Community	Short-Term Current	  
59.C Complete FEMA Long-term Recovery Assessment; proceed with planning and implementation	OEM Planning & Economic Development Housing	FEMA	Government Business Community	Long-Term Short-Term	   
59.D Assist with enhanced public involvement, information and outreach for flood response efforts led by the NJ Department of Environmental Protection ¹⁷³	OEM Administration	Municipal Governments NJDEP FEMA	Business Community	Short-Term Current	 
59.E Provide any requested assistance with enhancements to the Passaic River Flood Warning System led by the NJ Office of Emergency Management and Department of Environmental Protection to better predict flood stages ¹⁷⁴	OEM Engineering	NJ OEM NJDEP FEMA Utility Companies	Government Business Community	Short-Term Current	  
59.F Provide any requested assistance with improvements to Inundation Mapping led by the NJ Office of Emergency Management and Department of Environmental Protection to provide better information on property and infrastructure impacted by flooding ¹⁷⁵	OEM Planning & Economic Development	NJ OEM NJDEP FEMA USGS	Government Business Community	Short-Term Current	 
59.G Assess and control active and potential hazardous material incidents	Health Sheriff	Clifton Fire Department Hazardous Material Team Wayne Fire Department Hazardous Material Team	Community	Current	
59.H Prepare communities for extreme heat events and open cooling centers for extreme heat events	OEM Health Administration	OEM NJ State Police OEM Nonprofit & Community Groups	Community	Current	
59.I Assist local agencies in the establishment of their Emergency Operations Plan, and send them on to the NJ State Police Office of Emergency Management for final approval	OEM Health	OEM NJ State Police	Government	Current	
59.J Quickly assess all bioterrorism incidents, regardless of their origin, as hazardous material incidents	Health OEM Sheriff Prosecutor	Health Departments Law Enforcement First Responders Bergen, Morris Counties NJ State Police	Community	Current	
59.K Coordinate responses in the event of an emergency, natural disaster or other incident	OEM Sheriff Health	Health Departments Law Enforcement First Responders NJ State Police OEM Healthcare Providers	Government Business Community	Current	



COMMUNITY
Health & Safety 









Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
<p>59.L Law Enforcement Division provides support and proactive police, investigative and public safety services; deploys uniformed patrol and specialized units as needed, including: Bomb Squad, Crisis Response Team, Emergency Services Unit, Hazmat Team, Special Weapons, Scuba Team, Criminal Investigations Division, Narcotics Investigations, Water Resource Protection Unit, Internet Crime Unit, Fugitive Warrant Squad, Crime Scene Unit, Marine Patrol, Public Safety Telecommunications, E-911 Call Center, and Hostage Negotiation</p>	Sheriff	Law Enforcement	Community	Current	 
<p>60.A Provide the most up-to-date and diversified quality instruction for recruits and veteran police officers through the Passaic County Police Academy</p>	Police Academy	Law Enforcement	Government Community	Current	 
<p>60.B Offer in-service training classes year round and at no cost to all police agencies in Passaic County, which enables all of Passaic County's Law Enforcement professionals to stay current with the latest techniques and technologies so they may continue to better serve our communities</p>	Police Academy	Law Enforcement	Government Community	Current	 
<p>60.C Work with municipalities to support and expand Safe Routes to School Programs</p>	Planning & Economic Development	School Districts Environmental Commissions Green Teams	Community	Long-Term	 
<p>60.D Corrections Division maintains the security, custody and control of all persons legally committed to the Passaic County Jail; provides teams of minimum security inmates supervised by veteran corrections officers to the "Work Unit" and the Sheriff's Labor Assistance Program (SLAP) to assist municipalities and public entities with public works projects, clean-ups, landscaping, painting, or any other project</p>	Sheriff		Government Community	Current	
<p>60.E Court Services Division maintains the security of the Court, its supporting judicial facilities, and the people who take part in court proceedings; programs, services and activities throughout the courthouse complex; administers Sheriff's Property Foreclosure Sales</p>	Sheriff		Community	Current	
<p>60.F Community Policing Division keeps county residents informed through informational sessions relating to crime and personal safety; administers Senior Citizen ID program, Blood Pressure Monitoring, 'Are You OK' program, 'Reality Check,' Junior Police Academy, Community Emergency Response Team, and Crime Stoppers; coordinates a TIPS line program that provides a non-traceable and non-recorded toll-free phone number for reporting suspicious or criminal activity at 1-888-958-TIPS (8477)</p>	Sheriff		Community	Current	 

PASSAIC COUNTY FUTURE










COMMUNITY

Health & Safety

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
<p>61.A Improve river access for active recreation and transportation, specifically access from County facilities including County roads and bridges¹⁷⁶</p>	<p>Planning & Economic Development Engineering Parks</p>	Open Space Trust Fund Advisory Committee	Community	Long-Term	  
<p>61.B Expand usage of municipal and County facilities for public sports, leisure, recreation, cultural events, and entertainment; maximize use of existing recreational facilities (e.g., by installing energy-efficient floodlights, extending hours)</p>	<p>Parks Buildings & Grounds</p>	Recreation Departments Friends of Passaic County Parks	Government Business Community	Short-Term	  
<p>61.C Provide day trips and meals including round-trip transportation at a nominal fee for Passaic County seniors to Camp Hope from September-June, including: walking the scenic grounds, playing bocce, bingo, dancing to live entertainment, and so on.</p>	<p>Camp Hope Senior, Disability Services & Veterans Affairs</p>		Community	Current	 

COMMUNITY

Affordability & Justice




















Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
<p>COMMUNITY Affordability & Justice </p> <p>62.A Assess diversity on all County boards, committees and commissions, and strive for membership that reflects the community profile to encourage the exchange of different perspectives, facilitate innovative problem-solving, and support social justice.⁷⁷</p>	Board of Chosen Freeholders	All County Boards and Commissions	Government	Short-Term	 
<p>63.A Provide free public access to information about the services provided by Passaic County government in print via press releases, press communications and online at www.passaiccountynj.org; post Freeholder meeting agendas and resolutions, public forms and documents, past three years' adopted budgets; the current year's proposed budget, including the full adopted budget for current year when approved by the Board of Chosen Freeholders, most recent annual financial statement and audits, notification(s) for solicitation of bids and RFPs, complete and current directory of staff with email addresses and phone numbers with voicemail, and meeting dates, minutes and past agendas for the Board of Chosen Freeholders; allow Passaic County residents to submit a concern, request documents, and receive email notifications via www.passaiccountynj.org and social media outlets including Facebook and Twitter; dedicate resources to update and maintain website.⁷⁸</p>	Administration MIS		Government Business Community	Short-Term	  
<p>63.B Expand Passaic County Open Government Initiative to ensure transparency, public participation and collaborative improvements in accordance with the Open Public Records Act</p>	Administration Board of Chosen Freeholders		Business Community	Current	 
<p>63.C Provide free public access online to an index of estate records available at the Surrogate Court; for public without internet access, hard copy records are available in the Surrogate Court library at the Passaic County Courthouse Complex</p>	Surrogate		Community	Current	 
<p>63.D Provide public access to information on property-related transaction records in the County Clerk's office, Registry Vault and Map Room at the Passaic County Courthouse Complex</p>	County Clerk		Government Business Community	Current	 

PASSAIC COUNTY FUTURE



COMMUNITY

Affordability & Justice

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
63.E	Board of Chosen Freeholders		Government Business Community	Short-Term	
63.F	Administration Human Resources Finance		Government Business Community	Short-Term	
64.A	MIS Administration		Government	Short-Term Current	  
64.B	PCIA	Municipal Governments	Government	Current	 
64.C	PCIA		Government Business Community	Current	   
64.D	Administration Self-insurance Human Resources		Government	Current	  
64.E	Human Resources		Government	Current	 
64.F	Administration Motor Pool		Government	Current	
64.G	Purchasing		Government Business	Current	 



COMMUNITY

















Affordability & Justice

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
<p>64.H Provide purchasing support services to all operating departments within the County of Passaic; monitor all purchases of materials, supplies and equipment for compliance with the New Jersey Public Contracts Law</p>	Purchasing		Government	Current	
<p>64.I Limit overall impact of the aggregate economic costs of collective bargaining agreements that replaced contracts expiring on or after 1/1/11 to an average increase of 2% or less per year over the contract term¹⁸³</p>	Board of Chosen Freeholders Finance		Government Business Community	Current	
<p>64.J Design all internal accounting control processes, procedures and authorizations to safeguard assets and to limit the risk of loss or misstatement; evaluate and discuss this risk assessment annually with the Administration & Finance Committee; all general ledger cash balances shall be reconciled to bank statements with all reconciling differences verified; ensure timely reimbursement of grant revenues and review all grant revenues quarterly; document all internal accounting control processes, procedures and authorizations in an accounting policy manual for County employees¹⁸⁴</p>	Finance		Government Business Community	Current	
<p>64.K Prepare annual financial statement and annual debt statement (or audit-ready financial records); review corrective action plan for findings cited in annual audits with Administration & Finance Committee¹⁸⁵</p>	Finance		Government Business Community		
<p>64.L Adopt a formal, written policy regarding the amount of surplus available in support of County operations, to guide decisions with realistic and sustainable goals; evaluate goals annually¹⁸⁶</p>	Board of Chosen Freeholders Finance		Government Business Community	Short-Term	
<p>64.M Prepare annual budget with the Administration & Finance Committee and provide quarterly budget status reports to the committee; consider the impact of property tax appeals in the budget; accurately disclose in the 'budget message' section revenues at risk, non-recurring cost reductions, anticipated appropriation increases, and structural balance offsets; calculate projections to determine impact on future tax levy and future surplus balances for at least two future years' budgets; ensure sufficient funds are held in reserve or an existing authorization is in place to satisfy any debt-service guarantee</p>	Finance Administration		Government Business Community	Short-Term Current	
<p>64.N Include sustainability metrics for long-term fiscal and environmental sustainability and efficiency into annual budget to ensure cost savings, competitiveness and sound fiscal management</p>	Finance Board of Chosen Freeholders Administration		Government	Short-Term	

PASSAIC COUNTY FUTURE




















COMMUNITY

Affordability & Justice

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
64.O Serve as the lead agency for the Passaic County Cooperative Pricing System, and oversee operations of the county's bulk purchase warehouse operation	Purchasing	Municipal Governments Nonprofit & Community Groups	Government	Current	
64.P Develop a multi-year capital plan accounting for fiscal and environmental sustainability and efficiency that dedicates sufficient revenues to fund operations, maintenance, repair and eventual replacement of County facilities and infrastructure; create dedicated trust fund to reserve the average of the snow removal expenses incurred over a minimum of three years for use in future years ¹⁸⁷	Finance Administration Engineering Buildings & Grounds Operations Parks		Government Business Community	Short-Term Current	
64.Q Educate local governments about the significance of Shared Services programs through regional County-wide Shared Services educational seminars for municipal and educational leaders; actively negotiate shared service agreements with Passaic County municipalities and/or surrounding counties	PCIA Administration	Municipal Governments	Government	Short-Term Current	 
64.R File all municipal and County applications for state and/ or federal disaster relief funding	OEM	FEMA	Government	Current	 
65.A Work to ensure decent housing and infrastructure improvements to the most vulnerable communities through the Community Development Block Grant Program, which provides annual grants to local governments	Planning & Economic Development	Municipal CDBG Programs (Paterson, Wayne, Clifton, Passaic) US HUD Nonprofit & Community Groups	Government Community	Current	  
65.B Utilize <i>Facilities Plan Phase I: Inventory & Needs Assessment</i> to make strategic facilities decisions and improve efficiency of existing facilities	Administration Engineering Planning & Economic Development		Government	Current	 
66.A Provide residents with disabilities in Passaic County services including: advocacy, legal assistance, employment services, home-based services, general information and assistance; advise the Freeholders on all matters that affect the disabled community of Passaic County, and provide a mechanism through which this community can have its voice heard by County government; assure compliance with the Americans with Disabilities Act and access to barrier-free services and reasonable accommodation	Senior, Disability Services & Veterans Affairs Human Services	Passaic County Advisory Council on Disability ARC DIAL Independent Living Center	Community	Current	   
66.C Improve education programs and awareness about registration for Passaic County, state and federal social services assistance programs	Human Services Senior, Disability Services & Veterans Affairs Rutgers Cooperative Extension	NJ Department of Agriculture US Department of Agriculture United Way of Passaic County Board of Social Services Food Banks	Community	Short Term	

COMMUNITY




















Affordability & Justice 


Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
66.D	Human Services Through a partnership with the United Way of Passaic County, coordinate and provide free 24-hour assistance to residents in need of social service information and referral services via 211, accessed by dialing 211 or by clicking nj211.org	United Way of Passaic County	Community	Current	 
66.E	Senior, Disability Services & Veterans Affairs Offer Adult Day Care Center program that provides supervision for adults in a protective setting with services including: recreational and craft activities, educational and health programs, breakfast and lunch, and transportation		Community	Current	 
66.F	Senior, Disability Services & Veterans Affairs Provide services and sponsor many activities for the county's senior citizens through the Senior Services Program, including: certified home health aides, house cleaning, legal services, social and medical adult day care programs, telephone contacts, transportation and assisted transportation, educational activities, health fairs, social events, trips and so on.		Community	Current	 
66.G	Human Services Plan and coordinate funding of JDAI (juvenile detention alternative initiatives) and at-risk youth programs through Juvenile Administration, Youth Services, and Family Services Divisions	Youth Services Commission	Community	Current	 
66.H	Senior, Disability Services & Veterans Affairs Provide information to Passaic County veterans and their families through the Division of Veterans' Affairs, including: information on free medical services, education and tuition, internship services including distribution of flags to all Passaic County veteran groups for use in cemeteries and information on survivor benefits; and service medals and outreach programs; administer Passaic County Veterans' discount program	Retailers American Legion Disabled American Veterans Veterans Posts Veterans of Foreign Wars	Community	Current	  
66.I	Senior, Disability Services & Veterans Affairs Serve as the lead NJ EASE (New Jersey Easy Access, Single Entry) county agency, which coordinates and provides information and assistance; care management services; insurance counseling (state health insurance program) and advocacy on behalf of Passaic County's senior citizens	NJ EASE	Community	Current	 
66.J	Executive County Superintendent of Schools Through Special Education (CSCS), provide Project CHILD FIND, a free referral service and public awareness campaign to assist in the identification of unserved/underserved youth with a delay or disability from birth through twenty-one years of age; notify parents of parental rights in special education; resolve complaints of special education law violations	School Districts NJ Dept. Education	Community	Current	 
67.B	Human Services Plan and coordinate funding of homeless prevention and housing programs		Community	Current	 
67.C	Human Services Plan and coordinate funding of mortgage and foreclosure counseling programs		Community	Current	 

PASSAIC COUNTY FUTURE

COMMUNITY

Affordability & Justice

Strategy	Responsible Dept.	Partners	Impact	Timeframe	Goals Areas
67.D Plan and coordinate funding of rental and utility assistance programs	Human Services Weatherization		Community	Current	 
68.A Provide election services to all registered voters, including: receiving candidate petitions for elective offices, printing of election materials, filing campaign expenditure reports, maintaining absentee voter lists, overseeing drawing for ballot position, and certifying primary and general election votes to Department of State–NJ Division of Elections; benchmarking election procedures against other jurisdictions	County Clerk	NJ Division of Elections	Government Community	Short-Term Current	 
68.B Process voter registration, address changes, voter’s party affiliation, and maintaining voter records and voter history; prepare and certify voting machines for elections; prepares and mails Sample Ballots prior to each election; receive Provisional Ballots and responsibility for the security and research of Provisional Ballot Affirmation Statements after each election	Superintendent of Elections	NJ Division of Elections	Government Community	Current	 
68.C Oversee recruitment, hiring, training, and placement of all election board workers throughout the county; canvass and count all absentee and provisional ballots, and certify all polling places that are used for elections	Board of Elections		Government Community	Current	 
68.D Process legal documents including: passport applications, liens (construction, physician and hospital), inheritance tax waivers, warrants of execution, filing of trade name certificates, and incorporation of religious organization	County Clerk		Business Community	Current	 
68.E Provide public legal services to residents, including: performance of weddings, physician and attorney registration, conduct research of naturalization records, file and execute Firefighter Exemption Certificates, and notary services	County Clerk Senior, Disability Services & Veterans Affairs		Business Community	Current	 
68.F Provide veterans’ services to members of the United States armed forces, including: issuance of Peddler’s Licenses gratis to veterans and provide Veteran’s Identification Cards	County Clerk		Business Community	Current	 
69.A Assess opportunities for integrating environmental justice issues into County Planning Board development review, and encourage local land use boards to integrate environmental justice into municipal planning and zoning regulations ¹⁸⁸	Planning & Economic Development	Land Use Boards Environmental Commissions Green Teams County Planning Board Open Space Advisory Committee	Government Business Community	Short-Term	  
70.A Work under the Consumer Fraud Act to investigate and mediate complaints by consumers against businesses	County Counsel/ Consumer Protection		Business Community	Current	 

 COMMUNITY Affordability & Justice 	Responsible Dept. County Counsel/ Weights & Measures	Partners	Impact	Timeframe	Goals Areas
70.B Oversee an inspection and enforcement program that exposes and prosecutes gas stations involved in fraudulent practices; through the department of Consumer Protection, investigate and mediate complaints by consumers against businesses; and protect the welfare of Passaic County consumers			Business Community	Current	  
71.A Partner with Sustainable West Milford and TimeBanks USA to expand the Time Bank, promote equality and build community among County residents through inclusive exchange of time and talent	Human Services	Sustainable West Milford TimeBanks	Community	Short-Term	
72.A Implement recommendations of Passaic County WIB Adult Literacy Plan	WIB Human Services One-Stop Career Center PCCC	Private Sector	Business Community	Current	
72.B Through Education Specialist (CES), support the Afterschool Initiative, provide information relative to assessments/tests, bilingual ESL/ELS education programs, career and technical education, character education network, early childhood education, early literacy/reading, educational equity, enrollment of immigrant/undocumented students, and core curriculum content through the Common Core State Standards initiative coordinated by the Council of Chief States School Officers (CCSSO) and the National Governor’s Association (NGA)	Executive County Superintendent of Schools	School Districts NJ Dept. Education Rutgers University Center for Social and Character Development Network for New Jersey’s Afterschool Communities (NJSACC) Common Core Standards Initiative	Government Community	Current	
72.C Uphold the U.S. policy for the achievement of Equal Housing Opportunity throughout the nation; in the selection of families and in the provision of services, there shall be no discrimination against any person on the grounds of race, color, creed, sex, religion, national origin, sexual preference and marital status	Housing	US HUD	Community	Current	



PASSAIC COUNTY

NEW JERSEY

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PASSAIC COUNTY FUTURE

SUSTAINABILITY ELEMENT OF THE
PASSAIC COUNTY MASTER PLAN

Final Appendices

April 2013

Prepared By:

County of Passaic
Department of Planning and Economic Development

APPENDIX A: Acronyms & Glossary

- **Adaptive Reuse:** Designing and building a structure in a way that makes it suitable for a future use different than its original use. This avoids the environmental impact of using new materials.¹⁸⁹
- **Air Quality Standards:** The level of pollutants prescribed by regulations that are not to be exceeded during a given time in a defined area. (EPA)¹⁹⁰
- **Biodiversity:** The variety of life in all forms, levels, and combinations, including ecosystem diversity, species diversity, and genetic diversity.¹⁹¹
- **Bioswale:** A stormwater control feature that uses a combination of an engineered basin, soils, and vegetation to slow and detain stormwater, increase groundwater recharge, and reduce peak stormwater runoff.¹⁹²
- **Brownfield:** Real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant.¹⁹³
- **Carbon Footprint:** A measure of greenhouse gas emissions associated with an activity. A comprehensive carbon footprint includes building construction, operation, energy use, building related transportation, and the embodied energy of water, solid waste, and construction materials.¹⁹⁴
- **Carbon dioxide equivalent (CO₂e):** A sum which includes the quantity of each greenhouse gas (GHG) weighted by a factor of its effectiveness as a GHG, using CO₂ as a reference. This is achieved by multiplying the quantity of each GHG by a factor called GWP, specific to each GHG, where the GWP for CO₂ is 1.¹⁹⁵
- **Cash mob:** A group of people who support small, local businesses and spend their money, en masse, to give the business owner economic stimulus.¹⁹⁶
- **Community Development Block Grant Program (CDBG):** A flexible program that provides communities with resources to address a wide range of unique community development needs, funded and administered through the US Department of Housing and Urban Development (HUD). The CDBG program provides annual grants on a formula basis to 1,180 general units of local government and States. Passaic County became an entitlement recipient of CDBG funds in FY 2008.
- **Community:** A defined geographic area, encompassing everything in that area -- people, animals, plants, and resources such as soil, water and air.¹⁹⁷
- **Combined Heat and Power (CHP):** CHP plants, also referred to as cogeneration, provide electric and thermal energy, thus obtaining high overall efficiency from the fuel.¹⁹⁸
- **Compressed Natural Gas (CNG):** Natural gas stored under pressure in specialized tanks as a substitute for gasoline or other fuels. Although its combustion does produce greenhouse gases, it is a more environmentally friendly alternative to diesel fuel or gasoline and much less expensive.¹⁹⁹

- **Consumption Based Emissions and Full Energy-cycle Emissions:** All the greenhouse gas emissions that result from energy consumed, waste generated, and transportation trips generated in an area, even if the emissions occur outside of the boundaries of the geographic area considered. Consumption-based accounting is useful to policy makers wishing to reduce emissions by affecting activities they have control over.²⁰⁰
- **Corridor Enhancement Program:** Part of the Passaic County Subdivision and Site Plan Resolution that collects fees from development review applications to the Passaic County Planning Board along designated corridors, and reinvests such fees for beautification of that corridor; the purpose of the program is to bring more business and tourism to Passaic County by providing a safer and more attractive environment along the commercial and recreational corridors of the County.²⁰¹
- **County Facilities:** Any property owned, leased or maintained by the County of Passaic including but not limited to buildings, parks, infrastructure, roads, and bridges.
- **Dept. Responsible:** The County Department, Agency, Board or Autonomous body tasked with completing a given strategy.
- **Direct Emissions:** Occur at the source of emissions (e.g., exhaust stack, tailpipe, landfill). This accounting method enables clear identification of sources, is well suited for estimating total emissions, and avoids double-counting, and is therefore often used in regulatory settings and for emissions trading purposes. In some instances, mitigation is focused on the source and therefore this accounting method can also be used for source-mitigation estimates.²⁰²
- **Ecosystem:** A basic unit of nature that includes a community of organisms and their nonliving environment linked by biological, chemical, and physical process.²⁰³
- **Energy Star® Portfolio Manager:** Portfolio Manager is an interactive energy management tool that tracks and assesses energy and water consumption across an entire portfolio of buildings in a secure online environment.²⁰⁴
- **Energy Star® Rating:** A measure of a building's energy performance compared with that of similar buildings, as determined by the ENERGY STAR® Portfolio Manager. A score of 50 represents average building performance.²⁰⁵
- **Environmental Sustainability:** Long-term maintenance of ecosystem components and functions for future generations, per EPA.²⁰⁶
- **Environmental Resource Inventory:** An ERI, also known as a Natural Resource Inventory (NRI) is a factual report of integrated data providing baseline documentation for measuring and evaluating resource protection issues. The NRI indexes and describes features and their functions, rather than an interpretation or recommendation. Identifying significant environmental resources is the first step

toward ensuring their protection and preservation. The local Planning Board should adopt the NRI as part of the municipal master plan, either as an appendix or as part of a master plan conservation element. As part of the master plan, the NRI can provide the foundation and documentation for the development of resource protection ordinances and resource-based land use planning.

- **Floodplain:** Land that is likely to be flooded by a storm of a given size (e.g., a 100-year storm).²⁰⁷
- **Food Insecurity:** Limited or uncertain availability of nutritionally adequate and safe food, or the ability to acquire acceptable foods in socially acceptable ways (without resorting to emergency food supplies, scavenging, stealing, or other coping strategies).²⁰⁸
- **Food Security:** Access by all people at all times to enough food for an active, healthy life. Food security includes at a minimum: the ready availability of nutritionally adequate and safe foods and an assured ability to acquire acceptable foods in socially acceptable ways.²⁰⁹
- **Fossil Fuel:** Energy derived from ancient organic remains, such as peat, coal, crude oil, and natural gas, per EPA.²¹⁰
- **Green Building:** Encompasses planning, design, construction, operations, and ultimately end-of-life recycling or renewal of structures. Green building pursues solutions that represent a healthy and dynamic balance between environmental, social, and economic benefits.²¹¹
- **Greenfield:** A site that has never been developed.
- **Green Infrastructure:** An array of products, technologies and practices that use natural systems -- or engineered systems that mimic natural processes -- to enhance overall environmental quality and provide utility services.²¹²
- **Green Street:** A transportation corridor that incorporates low-impact design elements and promotes non-vehicular forms of transportation. These streets are ideal for the installation of structural and non-structural green infrastructure facilities for stormwater management.²¹³
- **Greenhouse Gases (GHG):** Carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, and any other gas or substance determined by the Department of Environmental Protection to be a significant contributor to the problem of global warming.²¹⁴
- **Heat Island Effect:** The absorption of heat by hardscapes, such as dark, non-reflective pavement and buildings, and its radiation to surrounding areas. Particularly in urban areas, other sources may include vehicle exhaust, air-conditioners and street equipment; reduced airflow from tall buildings and narrow streets exacerbates the effect.²¹⁵
- **Impact:** The primary group (community, business, or government) affected by a given strategy.

- **Impervious Area:** A surface that has been compacted or covered by materials that do not allow water to infiltrate. Impervious areas found in the built environment include concrete, brick, stone, asphalt, and sealed surfaces.²¹⁶
- **Infill Development:** A method of site selection that focuses construction on sites that have been previously developed or are gaps between existing structures.²¹⁷
- **Integrated Pest Management (IPM):** A sustainable approach that combines knowledge about pests, the environment and pest prevention, and control methods to minimize pest infestation and damage in an economical way while minimizing hazards to people, property, and the environment.²¹⁸
- **LEED Rating System:** A voluntary, consensus-based, market-driven building rating system based on existing, proven technology. The LEED Green Building Rating System represents US Green Building Council's effort to provide a national benchmark for green buildings. Through its use as a design guideline and third-party certification tool, the LEED Green Building Rating System aims to improve occupancy well-being, environmental performance and economic returns using established and innovative practices, standards and technologies.²¹⁹
- **Life-Cycle Assessment:** An analysis of the environmental aspects and potential impacts associated with a product, process or service.²²⁰
- **Low Impact Development:** An approach to land management that mimics natural systems to manage stormwater as close to the source as possible.²²¹
- **Materials Reuse:** Materials returned to active use (in the same or a related capacity as their original use), expressed as a percentage of the total materials cost of a building. The salvaged materials are incorporated into the new building, thereby extending the lifetime of materials that would otherwise be discarded.²²²
- **Master Plan:** "The master plan is a statement of objectives, policies and standards upon which the physical, economic and social development [of a community] are based. The master plan shows the existing and proposed locations and intensity of land development for specific uses, such as residential, commercial, industrial, agricultural, and educational uses. The master plan also should include information and strategies for achieving community objectives. The master plan offers the framework for the planning board and governing body to develop the elements of good land use, including meeting local housing and economic development needs and protecting important natural resources."²²³
- **Native (or Indigenous) and Adaptive Plants:** Plants adapted to a given area during a defined time period. In North America, the term often refers to plants growing in a region prior to the time of

settlement by people of European descent. Native plants are considered low maintenance and non-invasive.²²⁴

- **North Jersey Transportation Planning Authority (NJTPA):** The North Jersey Transportation Planning Authority is the federally authorized Metropolitan Planning Organization the 13-county northern New Jersey region.²²⁵
- **NJBPU (New Jersey Board of Public Utilities):** The BPU regulates the EDCs and gas distribution companies, participates in the PJM planning process, and advocates for New Jersey's interests before FERC. The BPU administers the BGS auctions; administers the Clean Energy Program, and approves ratepayer-supported utility programs.²²⁶
- **NJDEP (New Jersey Department of Environmental Protection):** Department of Environmental Protection (DEP): The DEP issues permits for air pollution control, water pollution control, land use, and the management of other environmental impacts. DEP administers New Jersey's action and compliance program.²²⁷
- **Nonpoint Source Pollution:** Typically refers to water pollution caused by stormwater runoff from diffuse sources. When it rains, water washes fertilizers, car oil, pet waste, and other pollutants into receiving water bodies.
- **OEM:** Office of Emergency Management.
- **Open Space & Farmland Preservation Trust Fund:** Funds collected through a dedicated tax for open space and historic preservation, as well as park development and enhancement. The citizens of Passaic County approved an Open Space and Farmland Preservation Trust Fund referendum and an Open Space and Parks Improvement in 1996, which were ultimately consolidated as a result of legislative initiative. Each year, the county opens up grant funding requests from the Open Space and Farmland Preservation Trust Fund.
- **Particulates:** Solid particles or liquid droplets in the atmosphere. The chemical composition of particulates varies, depending on location and time of year. Sources include dust, emissions from industrial processes, combustion products from the burning of wood and coal, combustion products associated with motor vehicle or non-road engine exhausts, and reactions to gases in the atmosphere. (EPA).²²⁸
- **Partners:** Additional County Department(s), Agency(ies), Board(s) or Autonomous body(ies), municipal, regional, or federal government agencies, nonprofit and community groups, public corporations or universities, and/or private businesses that assist the Dept. Responsible in completing a given strategy.
- **Pollutant:** Any substance introduced into the environment that adversely affects the usefulness of a resource of the health of humans, animals or ecosystems. (EPA) Air pollutants include emissions of

carbon dioxide (CO₂), sulfur dioxide (SO₂), nitrogen oxides (NO_x), mercury (Hg), small particulates (PM_{2.5}), and large particulates (PM₁₀).²²⁹

- **Rain Garden:** A stormwater management feature consisting of an excavated depression and vegetation that collect and infiltrate runoff and reduce peak discharge rates.²³⁰
- **Rainwater Harvesting:** The collection and storage of precipitation from a catchment area, such as a roof.²³¹
- **Renewable Energy:** Resources that are not depleted by use. Examples include energy from the sun, wind, and small (low-impact) hydropower, plus geothermal energy, wave and tidal systems. Ways to capture energy from the sun include photovoltaic, solar thermal, and bioenergy systems based on wood waste, agricultural crops or residue, animal and other organic waste, or landfill gas.²³²
- **Renewable Portfolio Standard (RPS):** An RPS is a state requirement that mandates the increased production of energy from renewable energy sources, such as wind, solar, biomass, and geothermal, to meet a specified goal. Twenty-nine states and the District of Columbia have RPS requirements.²³³
- **Smart Growth:** An approach to growth that protects open space and farmland by emphasizing development with housing and transportation choices near jobs, shops and schools.²³⁴
- **“Smart-grid”:** A class of technology used to bring utility electricity delivery systems into the 21st century, using computer-based remote control and automation. These systems are made possible by two-way communication technology and computer processing that has been used for decades in other industries.²³⁵
- **Stormwater Runoff:** Water from precipitation that flows over surfaces into sewer systems or receiving water bodies. All precipitation that leaves project site boundaries on the surface is considered stormwater runoff.²³⁶
- **Strategy:** A specific action or mechanism to achieve a particular goal or set of goals. Each strategy has a lead department and partners responsible for completing it, and identifies the primary group(s) impacted by the strategy, timeframe necessary to complete the strategy, and goals which the strategy achieves.
- **System:** An assemblage of parts that interact in a series of relationships to form a complex whole, which serves particular functions of purposes.²³⁷
- **Systems Thinking:** Understanding the world, including the built environment, as a series of relationships in which all parts influence many other parts.²³⁸

- **Time bank:** A group of people that shares time and talents rather than money, to nurture and expand a movement that promotes equality and builds caring community economies through inclusive exchange of time and talent.²³⁹
- **Timeframe:** The expected time necessary to complete a given strategy.
- **Traffic Management Centers (TMCs):** The hub or nerve center of most freeway management systems, where data about the freeway system is collected and processed, fused with other operational and control data, synthesized to produce “information,” and distributed to stakeholders such as the media, other agencies, and the traveling public. The information is used by TMC staff to monitor the operation of the freeway and to initiate control strategies that affect changes in the operation of the freeway network. It is also where agencies can coordinate their responses to traffic situations and incidents.²⁴⁰
- **Triple Bottom Line:** Incorporates a long-term view for assessing potential effects and best practices for three kinds of resources: people, planet, profit.²⁴¹
- **US EPA:** United States Environmental Protection Agency.
- **US HUD:** United States Department of Housing and Urban Development.
- **Waste Diversion:** The amount of waste disposed other than through incineration or in landfills expressed in tons. Examples of waste diversion include reuse and recycling.²⁴²
- **Watershed:** A watershed is the area of land that drains into a body of water such as a river, lake, stream or bay. It is separated from other systems by high points in the area such as hills or slopes. It includes not only the waterway itself but also the entire land area that drains to it. For example, the watershed of a lake would include not only the streams entering the lake but also the land area that drains into those streams and eventually the lake. Drainage basins generally refer to large watersheds that encompass the watersheds of many smaller rivers and streams.²⁴³
- **Zoning Ordinance:** The zoning ordinance and map are adopted policies that serve as a jurisdiction’s land-use regulations. Parts (zones) of an area are designated and mapped for a particular type of development, residential, commercial, and so on, and the ordinance provides the details as to what is allowed within each zone. A zoning ordinance can set density limits, height requirements, structural and design standards, setback requirements, and many other land-use standards and regulations.²⁴⁴

APPENDIX B: Planning Documents

Borough of Bloomingdale

- Natural Resource Inventory (2004)
- Borough of Bloomingdale Highlands Environmental Resource Inventory (2011)
http://www.highlands.state.nj.us/njhighlands/passaic_county/bloomingdale/4_Bloomingdale_Highlands_ERI_Sept2011.pdf

Borough of Hawthorne

- Green Map
http://www.hawthornenj.org/PDF/Hawthorne_GreenMap_Apr13_2012_HR.pdf
- Environmental Resources Inventory (2010)
<http://www.hawthornenj.org/naturalresource.cfm>
- Sustainable Jersey Community Profile Report. Hawthorne Boro.
<http://www.sustainablejersey.com/community/info.php>
- Community Forestry Management Plan (2007-2011)

Borough of North Haledon

- Master Plan Periodic Reexamination Report, "Sustainable Jersey Certification and Sustainability Master Plan," p. 46
<http://www.northhaledon.com/Portals/0/pdfs/mp%20reexamination%20report%2003-28-2011.pdf>

Borough of Pompton Lakes

- Community Forestry Management Plan (2008)
- Sustainable Open Space and Recreation Plan (2012)

Borough of Ringwood

- Highlands Environmental Resource Inventory for the Borough of Ringwood (2011)
http://www.highlands.state.nj.us/njhighlands/passaic_county/ringwood/3_Ringwood_ERI_DRAFT_Aug2011_Webpost.pdf

Borough of Wanaque

- Highlands Environmental Resource Inventory for the Borough of Wanaque (2009)
http://www.highlands.state.nj.us/njhighlands/passaic_county/wanaque/admin_complete_post/7_Highlands_Environmental_Resource_Inventory.pdf

City of Clifton

- Natural Resources Inventory (2003)
<http://cdn.gov-i.com/clients/28cdf020/files/000/016/022/original/139b87b4a6f1288fb538dad73302bc78.pdf?1324242333>

City of Paterson

- Paterson Kids Count: A City Profile of Child Well-Being (Advocates for Children of New Jersey, 2011)
- Paterson 4th Ward Neighborhood Revitalization Plan (Paterson Habitat for Humanity, 2012)
- Greater Spruce Street Neighborhood Plan (New Jersey Community Development Corporation, 2009)
- Sustainable Jersey Community Profile. Paterson City.
<http://www.sustainablejersey.com/community/info.php>
- Environmental Health Assessment and Improvement Plan (Department of Health, 2012)
- Highlands Environmental Resource Inventory For Passaic County (Planning Board, 2011)
- Highlands Element of the Passaic County Master Plan (Planning Board, 2011)
- Highlands Regional Master Plan (Highlands Council, 2008)
http://www.highlands.state.nj.us/njhighlands/master/rmp/final/highlands_rmp_112008.pdf
- Molly Ann Brook Watershed Management Plan (Passaic County Planning Board, 2008)
<http://passaiccountynj.org/content/molly-ann-brook-watershed-management-plan>
- Morris Canal Greenway Feasibility Study, (Passaic County Planning Board, 2011)
<http://passaiccountynj.org/MorrisCanalGreenway>
- Moving Passaic County: A Transportation Element of the Passaic County Master Plan (Passaic County Planning Board, 2012)
<http://passaiccountynj.org/content/master-plan-transportation-element.html>
- The PUSH REPORT, Passaic County United to Stop Hunger: A Community Vision to Create Food Security

for All. Passaic County Food Policy Council, 2012.

http://unitedwaypassaic.org/media/2012_PUSH_Report_Draft.pdf

- New Jersey Climate Adaptation Alliance

<http://climatechange.rutgers.edu/njadapt.html>

[New Jersey Energy Master Plan \(Board of Public Utilities, 2011\) http://nj.gov/emp/docs/pdf/2011_Final_Energy_Master_Plan.pdf](http://nj.gov/emp/docs/pdf/2011_Final_Energy_Master_Plan.pdf)

- New Jersey State Implementation Plans. NJDEP Bureau of Air Quality Planning.

<http://www.state.nj.us/dep/baqp/sip/siprevs.htm>.

- New Jersey Draft Final State Strategic Plan (Office of Planning Advocacy, 2012)

<http://www.nj.gov/state/planning/plan-draft-final.html>.

- New Jersey Stormwater Best Management Practices Manual (Department of Environmental Protection, 2004)

http://www.njstormwater.org/bmp_manual2.htm

- Passaic County District Solid Waste Management Plan (NJDEP, 1997, Am. 2006)

<http://www.nj.gov/dep/dshw/recycling/admentme/16county.htm>

- Passaic County Farmland Preservation Plan (County Agriculture Development Board, 2008)

<http://passaiccountynj.org/content/farmland-preservation-plan.html>

- Passaic County Heritage Tourism Plan (forthcoming)

- Passaic County Parks, Open Space, and Recreation Management Plan (forthcoming)

- Passaic County Workforce Investment Board Adult Literacy Plan

<http://passaiccountynj.org/DocumentCenter/View/358>

- Passaic County Workforce Investment Board “To Work” Consolidation Plan

<http://passaiccountynj.org/DocumentCenter/View/360>

- Regional Greenhouse Gas Emissions Mitigation Plan (North Jersey Transportation Planning Authority, forthcoming)

- Regional Greenhouse Gas Inventory and Forecast (North Jersey Transportation Planning Authority, 2011)
http://www.njtpa.org/plan/Element/Climate/documents/NJTPAGHGInventoryFINALReport_pdf.pdf
- Regional Plan for Sustainable Development (forthcoming)
- Report to the Governor: Recommendations of the Passaic River Basin Flood Advisory Commission (Department of Environmental Protection, January 2011)
<http://www.nj.gov/dep/passaicriver/docs/passaic-report201101.pdf>
- Strategic Plan for Industry Based Collaboration & One-Stop Integration
<http://passaiccountynj.org/DocumentCenter/View/356>

Township of West Milford

- Highlands Environmental Resource Inventory for the Township of West Milford (2010)
http://www.highlands.state.nj.us/njhighlands/passaic_county/west_milford/3_WestMilford_Twp_Highlands_ERI_Jan_2011_Webpost.pdf
- Sustainable Jersey Community Profile Report. West Milford Township.
<http://www.sustainablejersey.com/community/info.php>
- US EPA Air Quality Index
<http://airnow.gov/index.cfm?action=aqibasics.aqi>
- US EPA Building Blocks Technical Assistance: Green Streets
<http://passaiccountynj.org/index.aspx?nid=565>
- Where's the Food? A Report on Food Insecurity and Access in Passaic County, New Jersey (United Way of Passaic County, 2012)
http://unitedwaypassaic.org/media/HFC_report_2.29.2012.pdf

APPENDIX C: Policies

- Executive Order #60, Governor Christie (2011)
<http://nj.gov/infobank/circular/eocc60.pdf>.
- Executive Order #131, Governor Corzine (2009)
<http://www.state.nj.us/infobank/circular/eojsc131.htm>.
- Executive Order 12898, President Clinton (1994)
http://www.epa.gov/fedfac/documents/executive_order_12898.htm#memo1.
- Highlands Regulations for Development of Passaic County Lands and Facilities (Board of Chosen Freeholders, 2011)
- Highlands Water Protection and Planning Act (P.L. 2004, c.120; P.L.2010, c.70; P.L.2010 c.7; P.L.2010, c.4)
<http://www.highlands.state.nj.us/njhighlands/actmaps/act/>
- New Jersey 2012 Best Practices Inventory for Municipal Governments
http://www.nj.gov/dca/divisions/dlgs/programs/best_practices.html
- New Jersey Air Pollution Control Act (N.J.S.A. 26:2C-1 to -25.2)
- New Jersey Brownfield and Contaminated Site Remediation Act (, N.J.S.A. 58:10B-1 et seq)
<http://www.nj.gov/dep/srp/regs/statutes/bcsra.pdf>.
- New Jersey County and Regional Planning Enabling Act (N.J.S.A. 40:27-1 et seq.)
- New Jersey County Environmental Health Act (CEHA) (N.J.S.A. 26:3A2-22)
<http://www.nj.gov/dep/enforcement/cehastatute.pdf>.
- New Jersey Dam Safety Standards (N.J.A.C. 7:20)
http://www.nj.gov/dep/rules/rules/njac7_7a.pdf.
- New Jersey Endangered and Nongame Species Conservation Act (N.J.S.A. 23:2A-1 – 15)
http://www.animallaw.info/statutes/stusnj23_2A.htm.
- New Jersey Energy Master Plan Statute (N.J.S.A. 52:27F-14)
<http://www.state.nj.us/emp/archives/empstatute.html>.
- New Jersey Fertilizer Law, P.L. 2010, c. 112 (C.58:10A-64)
http://www.njleg.state.nj.us/2010/Bills/PL10/112_.PDF

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- New Jersey Flood Hazard Area Control Act (N.J.A.C. 7:13) and Rules
http://www.nj.gov/dep/landuse/lawsrules/fhacar_index.html.
- New Jersey Freshwater Wetlands Protection Act (N.J.S.A. 13:9B-1 et seq)
http://www.nj.gov/dep/rules/rules/njac7_7a.pdf.
- New Jersey Global Warming Response Act (P.L.2007, c.112)
<http://www.nj.gov/globalwarming/legislation/>
- New Jersey Green Acres, Clean Water, Farmland and Historic Preservation Act (P.L. 1992, c.88)
<http://www.state.nj.us/dep/dwq/rules.htm>.
- New Jersey Idling Requirements for Motor Vehicles (N.J.A.C. 7:27-14,15)
<http://www.nj.gov/dep/aqm/Sub15.pdf>
- New Jersey Industrial Site Recovery Act (ISRA) (N.J.A.C. 7:26B)
<http://www.state.nj.us/dep/srp/isra/>.
- New Jersey Local Health Services Act (N.J.S.A. 26:3A2-1 et al)
<http://law.njstatelib.org/njlh/1975/329/s130>.
- New Jersey Municipal Land Use Law (N.J.S.A 40:55D)
http://www.nj.gov/dep/hpo/3preserve/mlul_7_07.pdf.
- New Jersey Natural Areas System Act (N.J.A.C. 7:5A)
http://www.nj.gov/dep/rules/rules/njac7_5a.pdf.
- New Jersey Noise Control Act (N.J.S.A. 13:1G-1 et seq.)
<http://www.nj.gov/dep/enforcement/noise-control.html>.
- New Jersey Open Lands Management Act (N.J.A.C. §13:1B-15.133)
http://www.americanwhitewater.org/resources/repository/New_Jersey_Recreational_Use_Statute.htm
- New Jersey Open Public Records Act (N.J.S.A. 47:1A-1 et seq.)
<http://www.nj.gov/grc/laws/act/act.pdf>
- New Jersey Pesticide Control Regulations(N.J.A.C. 7:30-13)
<http://www.nj.gov/dep/enforcement/pcp/bpc/ipm/subchapter13.pdf>

- New Jersey Pollutant Discharge Elimination System (NJDPDES) (N.J.A.C. 7:14A)
<http://www.state.nj.us/dep/dwg/rules.htm>.
- New Jersey Private Well Testing Act
<http://www.state.nj.us/dep/dsr/research/pwta-overview.pdf>
- New Jersey Radiation Protection Act (N.J.S.A. 26:2D et seq.)
<http://www.state.nj.us/dep/rpp/njacdown.htm>.
- New Jersey Recycling Regulations (N.J.A.C. 7:26A)
<http://www.state.nj.us/dep/dshw/resource/njac726a1.pdf>
- New Jersey Register of Historic Places Act (N.J.S.A. 13:1B-15.128 et seq.)
<http://www.nj.gov/dep/hpo/1identify/nrsr.htm>.
- New Jersey Residential Site Improvement Standards (N.J.A.C. 5:21)
http://www.state.nj.us/dca/divisions/codes/codreg/pdf_regs/njac_5_21.pdf.
- New Jersey Right to Farm Act (N.J.S.A. 4:1C)
<http://www.nj.gov/agriculture/sadc/rules/>.
- New Jersey State Agriculture Retention and Development Act (N.J.S.A. 4:1C-11)
<http://www.nj.gov/agriculture/sadc/rules/>.
- New Jersey Toxic Catastrophe Prevention Act (TCPA) (N.J.S.A. 13:1K-19 et seq.)
<http://www.state.nj.us/dep/rpp/brp/tcpa/index.htm>.
- New Jersey Worker and Community Right to Know Act (N.J.S.A. 34:5A-1 et. seq.)
<http://nj.gov/health/eoh/rtkweb/rtklaw.shtml#act>
- New Jersey Safe Dam Act (N.J.S.A. 58:4)
http://www.nj.gov/dep/rules/rules/njac7_7a.pdf.
- New Jersey Safe Drinking Water Act (N.J.S.A. 58:12A-1 et seq.)
<http://www.state.nj.us/dep/dwg/rules.htm>.
- New Jersey Site Remediation Reform Act (P.L.2009, c.60 (C.58:10C-1 et seq.)
<http://www.nj.gov/dep/srp/regs/statutes/srra.pdf>.

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- New Jersey Soil Erosion and Sediment Control Act (L. 1975 C. 251, § 1 eff. Jan. 1, 1976. 4:24-40)
<http://www.nj.gov/agriculture/divisions/anr/agriassist/chapter251.html>.
- New Jersey Solid Waste Management Act (N.J.S.A. 13:1E-1 et seq.)
<http://www.state.nj.us/dep/dwq/rules.htm>.
- New Jersey Spill Compensation and Control Act (N.J.S.A. 58:10-23.11 et seq.)
<http://www.state.nj.us/dep/dwq/rules.htm>.
- New Jersey Stormwater Management Rules (N.J.A.C. 7:8)
http://www.nj.gov/dep/rules/rules/njac7_8.pdf
- New Jersey Underground Storage of Hazardous Substances Act (N.J.S.A. 58:10A-21)
<http://www.nj.gov/dep/srp/forms/ust/ust010a.pdf>.
- New Jersey Water Pollution Control Act (N.J.S.A. 58:11A-1 et seq.)
<http://www.state.nj.us/dep/dwq/rules.htm>.
- New Jersey Water Quality Planning Act (N.J.S.A. 58:11A-1 et seq.)
<http://www.state.nj.us/dep/dwq/rules.htm>.
- Passaic County Purchasing Manual, a Guide for all County Departments, Boards and Commissions in the Preparation of Requests for Goods and Services
<http://passaiccountynj.org/DocumentCenter/View/338>
- Passaic County Tree Cutting & Maintenance Policy
<http://passaiccountynj.org/index.aspx?NID=250>
- Passaic County Resolution Authorizing the Establishment of the “Green Fleet” Policy. R-12-699.
- Passaic County Resolution. Green Buildings Policy. R-08-537.
- Passaic County Green Fleets Policy. R-12-669.
- Passaic County Roads Resolution
- Passaic County Site Plan Resolution
<http://passaiccountynj.org/DocumentCenter/View/445>
- Passaic County Subdivision Resolution
<http://passaiccountynj.org/DocumentCenter/View/446>

- US Civil Rights Act 42 U.S.C. §21 (1964)
<http://www.ourdocuments.gov/doc.php?flash=true&doc=97&page=transcript>.
- US Clean Air Act 42 U.S.C. §7401 et seq. (1970)
<http://www.epa.gov/lawsregs/laws/caa.html>
- US Clean Water Act 33 U.S.C. §1251 et seq. (1972)
<http://www.epa.gov/lawsregs/laws/cwa.html>
- US Comprehensive Environmental Response, Compensation and Liability Act (Superfund) 42 U.S.C. §9601 et seq. (1980)
<http://www.epa.gov/lawsregs/laws/cercla.html>.
- US Emergency Planning and Community Right-to-Know Act (EPCRA) 42 U.S.C. §116
<http://www.epa.gov/oem/lawsregs.htm#epcra>.
- US Endangered Species Act (7 U.S.C. § 136, 16 U.S.C. § 1531 et seq)
<http://www.fws.gov/endangered/laws-policies/esa.html>.
- US National Historic Preservation Act of 1966 16 U.S.C. § 470
http://www.cr.nps.gov/local-law/FHPL_HistPrsvt.pdf.
- US Occupational Safety & Health Act of 1970
http://www.osha.gov/pls/oshaweb/owasrch.search_form?p_doc_type=OSHACT&p_toc_level=0&p_keyvalue=
- US Resource Conservation and Recovery Act 42 U.S.C. §6901 et seq. (1976)
<http://www.epa.gov/lawsregs/laws/rcra.html>
- US Small Business Liability Relief and Brownfields Act (1992)
<http://www.epa.gov/superfund/policy/index.htm>.
- US Superfund Amendments and Reauthorization Act (SARA) (1986) 42 U.S.C. §103
• <http://www.epa.gov/superfund/policy/index.htm>.
- US Wild and Scenic Rivers Act 16 U.S.C. §1271 et seq.
• <http://www.rivers.gov/rivers/wsr-act.php>.

APPENDIX D: Works Cited

1. US Census Bureau. 2011. <http://quickfacts.census.gov/qfd/states/34/34031.html>.
2. US Census Bureau. 2011. <http://quickfacts.census.gov/qfd/states/34/34031.html>.
3. US Census Bureau. American Community Survey – 1-year Estimates.2011. <http://www.census.gov/acs/>.
4. United Way of Passaic County. Where's the Food? A Report on Food Insecurity and Access in Passaic County, New Jersey. 2012 http://unitedwaypassaic.org/media/HFC_report_2.29.2012.pdf.
5. New Jersey State Data Center. http://lwd.dol.state.nj.us/labor/lpa/content/njsdc_index.html.
6. New Jersey State Data Center. http://lwd.dol.state.nj.us/labor/lpa/content/njsdc_index.html.
7. Hendrickson, David J. The Sustainability Greenprint: A Handbook of Principles, Policies and Players. 2012.
8. Hendrickson, David J. The Sustainability Greenprint: A Handbook of Principles, Policies and Players. 2012.
9. STAR Communities. Sustainability Tools for Assessing & Rating Communities. <http://www.starcommunities.org/>.
10. New Jersey Department of Environmental Protection. <http://www.nj.gov/dep/watershedrestoration/nps.html>.
11. Highlands Element for Passaic County. December 2010.
12. Highlands Regional Master Plan. 2008. http://www.highlands.state.nj.us/njhighlands/master/rmp/final/highlands_rmp_112008.pdf.
13. EPA. Watershed Management Terms website. <http://water.epa.gov/type/watersheds/index.cfm>.
14. Intergovernmental Panel on Climate Change. Climate Change 2007: Synthesis Report, Summary for Policymakers, Fourth Assessment Report. November 2007.
15. New Jersey Department of Environmental Protection. Climate Change and New Jersey. www.nj.gov/globalwarming.
16. Union of Concerned Scientists. New Jersey: Confronting Climate Change in the U.S. Northeast. www.climatechoices.org.
17. University of Maryland, A Review and Assessment Conducted by the Center for Integrative Environmental Research. Economic Impacts of Climate Change in New Jersey. July 2008.
18. New Jersey Department of Environmental Protection. Climate Change and New Jersey. www.nj.gov/globalwarming.
19. New Jersey Department of Environmental Protection. Climate Change and New Jersey. www.nj.gov/globalwarming.
20. Global Warming Response Act (GWRA) (p.L. 2007, c.112).
21. New Jersey Board of Public Utilities. New Jersey Energy Master Plan. 6 December 2011.
22. New Jersey Department of Environmental Protection. New Jersey Greenhouse Gas Inventory and Reference Case Projections 1990-2020. November 2008.
23. North Jersey Transportation Planning Authority. Regional Greenhouse Gas Emissions Inventory and Forecast. Final Report. June 2011. <http://www.njtpa.org/plan/Element/Climate/RegionalGreenhouseGasInventory.aspx>.
24. North Jersey Transportation Planning Authority. Regional Greenhouse Gas Emissions Inventory and Forecast. Final Report. June 2011. <http://www.njtpa.org/plan/Element/Climate/RegionalGreenhouseGasInventory.aspx>.
25. North Jersey Transportation Planning Authority. Regional Greenhouse Gas Emissions Inventory and Forecast. Final Report. June 2011. <http://www.njtpa.org/plan/Element/Climate/RegionalGreenhouseGasInventory.aspx>.
26. North Jersey Transportation Planning Authority. Regional Greenhouse Gas Emissions Inventory and Forecast. Final Report. June 2011. <http://www.njtpa.org/plan/Element/Climate/RegionalGreenhouseGasInventory.aspx>.
27. http://www.northjersey.com/news/Report_NJ_air_quality_improving_but_still_among_nations_worst.html
28. <http://www.njtpa.org/plan/element/aq/default.aspx>
29. <http://www.stateoftheair.org/2012/states/new-jersey/passaic-34031.html>.

30. Idling... What's the problem? Brochure http://www.nj.gov/dep/stopthesoot/idling_whats_the_problem.pdf
31. US Environmental Protection Agency. Office of Air Quality Planning and Standards. Air Quality Index: A Guide to Air Quality and Your Health. August 2009. http://www.epa.gov/airnow/aqi_brochure_08-09.pdf.
32. <http://www.stateoftheair.org/2012/states/new-jersey/passaic-34031.html>
33. Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>
34. Resolution Authorizing the Establishment of the "Green Fleet" Policy. R-12-699.
35. Hoppe, Heidi, New Jersey Water Science Center in cooperation with the New Jersey Department of Environmental Protection. US Department of the Interior, US Geological Survey. USGS Involvement in the Passaic River Basin. May 18, 2012.
36. Seebode, Joseph J., P.E. Deputy District Engineer for Programs and Project Management, New York District, US Army Corps of Engineers. Technical Solutions to Flooding in the Passaic River Basin. 18 May 2012.
37. Hoppe, Heidi, New Jersey Water Science Center in cooperation with the New Jersey Department of Environmental Protection. US Department of the Interior, US Geological Survey. USGS Involvement in the Passaic River Basin. May 18, 2012.
38. Seebode, Joseph J., P.E. Deputy District Engineer for Programs and Project Management, New York District, US Army Corps of Engineers. Technical Solutions to Flooding in the Passaic River Basin. 18 May 2012.
39. Seebode, Joseph J., P.E. Deputy District Engineer for Programs and Project Management, New York District, US Army Corps of Engineers. Technical Solutions to Flooding in the Passaic River Basin. 18 May 2012.
40. Seebode, Joseph J., P.E. Deputy District Engineer for Programs and Project Management, New York District, US Army Corps of Engineers. Technical Solutions to Flooding in the Passaic River Basin. 18 May 2012.
41. Foley, Michael, FEMA; Gallagher, Sgt. Michael, New Jersey State Police; McCulloch, Jennifer, Morris County. Regional Cooperation for Floodplain Restoration. Passaic River Basin Workshop. 18 May 2012.
42. Robinson, Dr. David A., Professor, Dept. Geography, New Jersey State Climatologist. Climate Change and Flooding in the Passaic River Basin. Passaic River Basin Flood Preparedness Workshop. Wayne, NJ. 18 May 2012.
43. Chalofsky, Barry, P.P. New Jersey Statewide Stormwater Programs. Passaic River Basin Flood Preparedness Workshop. 18 May 2012.
44. Snyder, Margaret Y., P.E. Emerald Environmental Solutions. Nonstructural Stormwater Strategies: Preserving and Protecting Our Natural Resources. Passaic River Basin Flood Preparedness Workshop. 18 May 2012.
45. Association of New Jersey Environmental Commissions. New Jersey Department of Environmental Protection's Stormwater and Nonpoint Pollution Regulations and Programs. April 2010. <http://www.anjec.org/StormwaterRegs.htm>.
46. Chalofsky, Barry, P.P. New Jersey Statewide Stormwater Programs. Passaic River Basin Flood Preparedness Workshop. 18 May 2012.
47. Association of New Jersey Environmental Commissions. New Jersey Department of Environmental Protection's Stormwater and Nonpoint Pollution Regulations and Programs. April 2010. <http://www.anjec.org/StormwaterRegs.htm>.
48. Chalofsky, Barry, P.P. New Jersey Statewide Stormwater Programs. Passaic River Basin Flood Preparedness Workshop. 18 May 2012.
49. County Planning Enabling Act. 1935.
50. Fletcher, Juliet. State House Bureau. State plan delay will allow consideration of Sandy impact. The Record. 23 November 2012. http://www.northjersey.com/news/180562291_State_plan_delay_will_allow_consideration_of_Sandy_impact_getting_a_fresh_look.html.
51. US EPA. Brownfields Definition. <http://www.epa.gov/brownfields/overview/glossary.htm>.
52. Association of New Jersey Environmental Commissions. Remediating and Redeveloping Brownfields in New Jersey: A Guide for Municipalities and Community Organizations. <http://www.anjec.org/pdfs/BrownfieldsinNJ2006.pdf>.

PASSAIC COUNTY FUTURE

53. http://datamine2.state.nj.us/DEP_OPRA/OpraMain/get_long_report?
54. http://www.epa.gov/region02/cleanup/sites/njtoc_name.htm
55. New Jersey Department of Environmental Protection. BDA Sites At A Glance. <http://www.nj.gov/dep/srp/brownfields/bda/sites/>.
56. Association of New Jersey Environmental Commissions. Remediating and Redeveloping Brownfields in New Jersey: A Guide for Municipalities and Community Organizations. <http://www.anjec.org/pdfs/BrownfieldsinNJ2006.pdf>.
57. Association of New Jersey Environmental Commissions. Remediating and Redeveloping Brownfields in New Jersey: A Guide for Municipalities and Community Organizations. <http://www.anjec.org/pdfs/BrownfieldsinNJ2006.pdf>.
58. US Environmental Protection Agency. RE-Powering America's Land. <http://www.epa.gov/oswercpa/>.
59. United Way. Where's the Food? A Report on Food Insecurity and Food Access in Passaic County, New Jersey. February 2012. http://unitedwaypassaic.org/media/HFC_report_2.29.2012.pdf.
60. The PUSH Report, Passaic County United to Stop Hunger: A Community Vision to Create Food Security for All. United Way of Passaic County and Passaic County Food Policy Council, October 2012. http://unitedwaypassaic.org/media/2012_PUSH_Report_Draft.pdf
61. The PUSH Report, Passaic County United to Stop Hunger: A Community Vision to Create Food Security for All. United Way of Passaic County and Passaic County Food Policy Council, October 2012. http://unitedwaypassaic.org/media/2012_PUSH_Report_Draft.pdf
62. U.S. Census Bureau. American Community Survey 1-Year Estimates. 2011. <http://www.census.gov/acs/www/>.
63. US Environmental Protection Agency. Office of Environmental Justice. Plan EJ 2014. September 2011. <http://www.epa.gov/environmentaljustice/resources/policy/plan-ej-2014/plan-ej-2011-09.pdf>.
64. Executive Order. Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations. 11 February 1994. http://www.epa.gov/environmentaljustice/resources/policy/exec_order_12898.pdf.
65. US Environmental Protection Agency. Office of Environmental Justice. Plan EJ 2014. September 2011. <http://www.epa.gov/environmentaljustice/resources/policy/plan-ej-2014/plan-ej-2011-09.pdf>.
66. US Department of Housing and Urban Development. Environmental Justice. http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/environment/review/justice.
67. New Jersey Department of Environmental Protection. Office of Environmental Justice. Environmental Justice Policy. <http://www.state.nj.us/dep/ej/policy.html>.
68. New Jersey Conservation Foundation. The Benefits of State Preservation Programs. 2007.
69. National Park Service. US Department of the Interior. National Register of Historic Places Program: Fundamentals. http://www.nps.gov/nr/national_register_fundamentals.htm.
70. NJ Department of Environmental Protection. New Jersey and National Registers of Historic Places. <http://www.nj.gov/dep/hpo/1identify/nrsr.htm>.
71. Association of New Jersey Environmental Commissions. The Environmental Manual for Municipal Officials. Fall 1998.
72. Association of New Jersey Environmental Commissions. The Environmental Manual for Municipal Officials. Fall 1998.
73. United States Department of Labor. Occupational Safety & Health Administration. About OSHA. <http://www.osha.gov/about.html>.
74. United States Department of Labor. Occupational Safety & Health Administration. About OSHA. <http://www.osha.gov/about.html>.
75. United States Department of Labor. Occupational Safety & Health Administration. About OSHA. <http://www.osha.gov/about.html>.
76. United States Department of Labor. Occupational Safety & Health Administration. About OSHA. <http://www.osha.gov/about.html>.

html.

77. Association of New Jersey Environmental Commissions. The Environmental Manual for Municipal Officials. Fall 1998.
78. United States Department of Labor. Occupational Safety & Health Administration. About OSHA. <http://www.osha.gov/about.html>.
79. Association of New Jersey Environmental Commissions. The Environmental Manual for Municipal Officials. Fall 1998.
80. Sustainable Jersey. <http://www.sustainablejersey.com/about.php>.
81. Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>
82. The PUSH Report, Passaic County United to Stop Hunger: A Community Vision to Create Food Security for All. United Way of Passaic County and Passaic County Food Policy Council, October 2012. http://unitedwaypassaic.org/media/2012_PUSH_Report_Draft.pdf
83. The PUSH Report, Passaic County United to Stop Hunger: A Community Vision to Create Food Security for All. United Way of Passaic County and Passaic County Food Policy Council, October 2012. http://unitedwaypassaic.org/media/2012_PUSH_Report_Draft.pdf
84. Sustainable Jersey Program Action. Natural Resources, <http://www.sustainablejersey.com/actionlist.php>
85. Sustainable Jersey Program Action. Natural Resources, <http://www.sustainablejersey.com/actionlist.php>
86. Sustainable Jersey Program Action. Animals in the Community, <http://www.sustainablejersey.com/actionlist.php>
87. Sustainable Jersey Program Action. Innovative Demonstration Projects, <http://www.sustainablejersey.com/actionlist.php>
88. Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>. US EPA Technical Assistance Tool: Green Streets
89. Sustainable Jersey Program Action. Innovative Demonstration Projects, <http://www.sustainablejersey.com/actionlist.php>
90. Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>
91. Sustainable Jersey Program Action. Innovative Demonstration Projects, <http://www.sustainablejersey.com/actionlist.php>
92. Passaic River Basin Flood Advisory Commission. NJDEP Commissioner Bob Martin, Chairman. Passaic River Basin Flood Advisory Commission Report. January 2011. <http://www.nj.gov/dep/passaicriver/docs/passaic-report201101.pdf>.
93. Passaic River Basin Flood Advisory Commission. NJDEP Commissioner Bob Martin, Chairman. Passaic River Basin Flood Advisory Commission Report. January 2011. <http://www.nj.gov/dep/passaicriver/docs/passaic-report201101.pdf>.
94. Sustainable Jersey. Food, <http://www.sustainablejersey.com/actionlist.php>
95. Sustainable Jersey. Operations and Maintenance, <http://www.sustainablejersey.com/actionlist.php>
96. Sustainable Jersey. Food-Waste Management, <http://www.sustainablejersey.com/actionlist.php>
97. Sustainable Jersey. Waste Management, <http://www.sustainablejersey.com/actionlist.php>
98. Sustainable Jersey. Waste Management, <http://www.sustainablejersey.com/actionlist.php>
99. Sustainable Jersey. Waste Management, <http://www.sustainablejersey.com/actionlist.php>
100. Sustainable Jersey. Waste Management, <http://www.sustainablejersey.com/actionlist.php>
101. Sustainable Jersey. Waste Management, <http://www.sustainablejersey.com/actionlist.php>
102. Sustainable Jersey. Waste Management, <http://www.sustainablejersey.com/actionlist.php>
103. Sustainable Jersey. Waste Management, <http://www.sustainablejersey.com/actionlist.php>
104. Sustainable Jersey. Waste Management, <http://www.sustainablejersey.com/actionlist.php>
105. Sustainable Jersey. Waste Management, <http://www.sustainablejersey.com/actionlist.php>
106. Sustainable Jersey Program Action. Innovative Demonstration Projects, <http://www.sustainablejersey.com/actionlist.php>

- 107.Sustainable Jersey. Waste Management, <http://www.sustainablejersey.com/actionlist.php>
- 108.Sustainable Jersey. Operations & Maintenance, <http://www.sustainablejersey.com/actionlist.php>
- 109.Sustainable Jersey. Waste Management, <http://www.sustainablejersey.com/actionlist.php>
- 110.Sustainable Jersey. Waste Management, <http://www.sustainablejersey.com/actionlist.php>
- 111.Sustainable Jersey. Operations & Maintenance, <http://www.sustainablejersey.com/actionlist.php>
- 112.Sustainable Jersey. Local Economies, Operations & Maintenance, <http://www.sustainablejersey.com/actionlist.php>
- 113.Sustainable Jersey. Waste Management, <http://www.sustainablejersey.com/actionlist.php>
- 114.Sustainable Jersey. Sustainability Planning, <http://www.sustainablejersey.com/actionlist.php>
- 115.Sustainable Jersey. Sustainability Planning, <http://www.sustainablejersey.com/actionlist.php>
- 116.Sustainable Jersey. Green Design,Waste Management, Arts/Culture/Historic Preservation <http://www.sustainablejersey.com/actionlist.php>
- 117.Sustainable Jersey. Arts/Culture/Historic Preservation <http://www.sustainablejersey.com/actionlist.php>
- 118.North Jersey Transportation Planning Authority. Regional Greenhouse Gas Mitigation Plan. VMT 1.1-1.3. Forthcoming.
- 119.North Jersey Transportation Planning Authority. Regional Greenhouse Gas Mitigation Plan. VMT 2.2 Forthcoming
- 120.North Jersey Transportation Planning Authority. Regional Greenhouse Gas Mitigation Plan. VMT 3.2. Forthcoming
- 121.Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>
- 122.Sustainable Jersey. Community Partnerships & Outreach <http://www.sustainablejersey.com/actionlist.php>
- 123.Sustainable Jersey. Natural Resources, <http://www.sustainablejersey.com/actionlist.php>
- 124.Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>
- 125.Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>
- 126.Sustainable Jersey. Operations and Maintenance, NJTPA: VT 15.3, <http://www.sustainablejersey.com/actionlist.php>
- 127.Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>
- 128.Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305> [NJTPA: SE 11]
- 129.North Jersey Transportation Planning Authority. Regional Greenhouse Gas Mitigation Plan. VMT 4, VT 15.3. Forthcoming
- 130.Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>. North Jersey Transportation Planning Authority. Regional Greenhouse Gas Mitigation Plan. VMT 2.1. Forthcoming.
- 131.Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>. North Jersey Transportation Planning Authority. Regional Greenhouse Gas Mitigation Plan. : SE 13-14. Forthcoming.
- 132.Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>. North Jersey Transportation Planning Authority. Regional Greenhouse Gas Mitigation Plan. SE 12. Forthcoming
- 133.Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>. North Jersey Transportation Planning Authority. Regional Greenhouse Gas Mitigation Plan. VMT 3.2. Forthcoming.
- 134.Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>
- 135.Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>
- 136.Sustainable Jersey. Natural Resources, <http://www.sustainablejersey.com/actionlist.php>
- 137.Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>
- 138.North Jersey Transportation Planning Authority. Regional Greenhouse Gas Mitigation Plan. SE 9. Forthcoming
- 139.North Jersey Transportation Planning Authority. Regional Greenhouse Gas Mitigation Plan. SE 9. Forthcoming
- 140.North Jersey Transportation Planning Authority. Regional Greenhouse Gas Mitigation Plan. VMT 3.1. Forthcoming

141. North Jersey Transportation Planning Authority. Regional Greenhouse Gas Mitigation Plan. VMT 3.3. Forthcoming.
142. Sustainable Jersey. Greenhouse Gas, <http://www.sustainablejersey.com/actionlist.php>.
143. Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>.
144. Sustainable Jersey. Innovative Demonstration Projects, <http://www.sustainablejersey.com/actionlist.php>.
145. Sustainable Jersey. Innovative Demonstration Projects, <http://www.sustainablejersey.com/actionlist.php>.
146. North Jersey Transportation Planning Authority. Regional Greenhouse Gas Mitigation Plan. VMT 3.3
147. COGZ. <http://www.cogz.com/>.
148. Sustainable Jersey. Energy Efficiency, Operations and Maintenance, <http://www.sustainablejersey.com/actionlist.php>.
149. Sustainable Jersey, Operations and Maintenance, <http://www.sustainablejersey.com/actionlist.php>.
150. Sustainable Jersey, Operations and Maintenance, <http://www.sustainablejersey.com/actionlist.php>.
151. Sustainable Jersey, Operations and Maintenance, <http://www.sustainablejersey.com/actionlist.php>.
152. North Jersey Transportation Planning Authority. Regional Greenhouse Gas Mitigation Plan. VT 15.1.
153. Sustainable Jersey, Operations and Maintenance Health, and Maintenance <http://www.sustainablejersey.com/actionlist.php>.
154. Sustainable Jersey, Operations and Maintenance, <http://www.sustainablejersey.com/actionlist.php>.
155. Sustainable Jersey, Green Design, <http://www.sustainablejersey.com/actionlist.php>.
156. Sustainable Jersey, Local Economies, <http://www.sustainablejersey.com/actionlist.php>.
157. Sustainable Jersey, Food, Waste Management <http://www.sustainablejersey.com/actionlist.php>.
158. 2012 NJ Best Practices Inventory. http://www.nj.gov/dca/divisions/dlgs/programs/best_practices.html.
159. Sustainable Jersey, Green Design, Local Economies, <http://www.sustainablejersey.com/actionlist.php>.
160. Sustainable Jersey, Community Partnership & Outreach <http://www.sustainablejersey.com/actionlist.php>.
161. Sustainable Jersey, Community Partnership & Outreach <http://www.sustainablejersey.com/actionlist.php>.
162. Sustainable Jersey, Arts/Culture/Historic Preservation <http://www.sustainablejersey.com/actionlist.php>.
163. 2012 NJ Best Practices Inventory. http://www.nj.gov/dca/divisions/dlgs/programs/best_practices.html.
164. Sustainable Jersey, Health & Wellness <http://www.sustainablejersey.com/actionlist.php>.
165. 2012 NJ Best Practices Inventory. http://www.nj.gov/dca/divisions/dlgs/programs/best_practices.html.
166. Sustainable Jersey. Operations & Maintenance <http://www.sustainablejersey.com/actionlist.php>.
167. Sustainable Jersey. Local Economies <http://www.sustainablejersey.com/actionlist.php>.
168. Sustainable Jersey. Health & Wellness, Operations & Maintenance <http://www.sustainablejersey.com/actionlist.php>.
169. Sustainable Jersey. Operations & Maintenance <http://www.sustainablejersey.com/actionlist.php>.
170. Sustainable Jersey. Waste Management <http://www.sustainablejersey.com/actionlist.php>.
171. Sustainable Jersey. Diversity & Equity <http://www.sustainablejersey.com/actionlist.php>.
172. Passaic River Basin Flood Advisory Commission. NJDEP Commissioner Bob Martin, Chairman. Passaic River Basin Flood Advisory Commission Report. January 2011. <http://www.nj.gov/dep/passaicriver/docs/passaic-report201101.pdf>.
173. Passaic River Basin Flood Advisory Commission. NJDEP Commissioner Bob Martin, Chairman. Passaic River Basin Flood Advisory Commission Report. January 2011. <http://www.nj.gov/dep/passaicriver/docs/passaic-report201101.pdf>.
174. Passaic River Basin Flood Advisory Commission. NJDEP Commissioner Bob Martin, Chairman. Passaic River Basin Flood Advisory Commission Report. January 2011. <http://www.nj.gov/dep/passaicriver/docs/passaic-report201101.pdf>.

175. Passaic River Basin Flood Advisory Commission. NJDEP Commissioner Bob Martin, Chairman. Passaic River Basin Flood Advisory Commission Report. January 2011. <http://www.nj.gov/dep/passaicriver/docs/passaic-report201101.pdf>.
176. Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>.
177. Sustainable Jersey. Diversity & Equity <http://www.sustainablejersey.com/actionlist.php>.
178. 2012 NJ Best Practices Inventory. http://www.nj.gov/dca/divisions/dlgs/programs/best_practices.html.
179. 2012 NJ Best Practices Inventory. http://www.nj.gov/dca/divisions/dlgs/programs/best_practices.html.
180. 2012 NJ Best Practices Inventory. http://www.nj.gov/dca/divisions/dlgs/programs/best_practices.html.
181. 2012 NJ Best Practices Inventory. http://www.nj.gov/dca/divisions/dlgs/programs/best_practices.html.
182. 2012 NJ Best Practices Inventory. http://www.nj.gov/dca/divisions/dlgs/programs/best_practices.html.
183. 2012 NJ Best Practices Inventory. http://www.nj.gov/dca/divisions/dlgs/programs/best_practices.html.
184. 2012 NJ Best Practices Inventory. http://www.nj.gov/dca/divisions/dlgs/programs/best_practices.html.
185. 2012 NJ Best Practices Inventory. http://www.nj.gov/dca/divisions/dlgs/programs/best_practices.html.
186. 2012 NJ Best Practices Inventory. http://www.nj.gov/dca/divisions/dlgs/programs/best_practices.html.
187. 2012 NJ Best Practices Inventory. http://www.nj.gov/dca/divisions/dlgs/programs/best_practices.html.
188. Sustainable Jersey. Diversity & Equity <http://www.sustainablejersey.com/actionlist.php>.
189. US Green Building Council. LEED: Core Concepts Guide. 2011.
190. US Green Building Council. LEED: Core Concepts Guide. 2011.
191. US Green Building Council. LEED: Core Concepts Guide. 2011.
192. US Green Building Council. LEED: Core Concepts Guide. 2011.
193. US EPA. Brownfields Definition. <http://www.epa.gov/brownfields/overview/glossary.htm>.
194. US Green Building Council. LEED: Core Concepts Guide. 2011.
195. NJTPA. Regional Greenhouse Gas Emissions Inventory and Forecast. June 2011.
196. About Us. Cashmobs. <http://cashmobs.wordpress.com/about-us/>.
197. Office of Planning and Sustainable Communities. NJDEP. How to Become an Environmentally Sustainable Community - A Primer. January 2006. www.nj.gov/dep/opsc.
198. New Jersey Board of Public Utilities. New Jersey Energy Master Plan. 6 December 2011. http://nj.gov/emp/docs/pdf/2011_Final_Energy_Master_Plan.pdf.
199. New Jersey Board of Public Utilities. New Jersey Energy Master Plan. 6 December 2011. http://nj.gov/emp/docs/pdf/2011_Final_Energy_Master_Plan.pdf.
200. NJTPA. Regional Greenhouse Gas Emissions Inventory and Forecast. June 2011.
201. Passaic County Corridor Enhancement Program. April 2008. <http://passaiccountynj.org/DocumentCenter/View/163>.
202. NJTPA. Regional Greenhouse Gas Emissions Inventory and Forecast. June 2011.
203. US Green Building Council. LEED: Core Concepts Guide. 2011.
204. Energy Star. Portfolio Manager Overview. http://www.energystar.gov/index.cfm?c=evaluate_performance.bus_portfoliomanager.
205. US Green Building Council. LEED: Core Concepts Guide. 2011.
206. US Green Building Council. LEED: Core Concepts Guide. 2011.
207. US Green Building Council. LEED: Core Concepts Guide. 2011.
208. The PUSH Report, Passaic County United to Stop Hunger: A Community Vision to Create Food Security for All. United Way of

- Passaic County and Passaic County Food Policy Council, October 2012. http://unitedwaypassaic.org/media/2012_PUSH_Report_Draft.pdf.
209. The PUSH Report, Passaic County United to Stop Hunger: A Community Vision to Create Food Security for All. United Way of Passaic County and Passaic County Food Policy Council, October 2012. http://unitedwaypassaic.org/media/2012_PUSH_Report_Draft.pdf.
210. US Green Building Council. LEED: Core Concepts Guide. 2011.
211. US Green Building Council. LEED: Core Concepts Guide. 2011.
212. Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>.
213. Moving Passaic County, <http://www.passaiccountynj.org/index.aspx?nid=305>.
214. New Jersey Global Warming Response Act. (p.L. 2007, c.112).
215. US Green Building Council. LEED: Core Concepts Guide. 2011.
216. US Green Building Council. LEED: Core Concepts Guide. 2011.
217. US Green Building Council. LEED: Core Concepts Guide. 2011.
218. US Green Building Council. LEED: Core Concepts Guide. 2011.
219. US Green Building Council. LEED: Core Concepts Guide. 2011.
220. US Green Building Council. LEED: Core Concepts Guide. 2011.
221. US Green Building Council. LEED: Core Concepts Guide. 2011.
222. US Green Building Council. LEED: Core Concepts Guide. 2011.
223. NJDEP. Creating Sustainable Communities: A Guide for Developers and Communities. <http://highpoint.state.nj.us/dca/osg/>
224. US Green Building Council. LEED: Core Concepts Guide. 2011.
225. NJDEP. Creating Sustainable Communities: A Guide for Developers and Communities. <http://highpoint.state.nj.us/dca/osg/>
226. North Jersey Transportation Planning Authority. www.njtpa.org.
227. New Jersey Board of Public Utilities. New Jersey Energy Master Plan. 6 December 2011. http://nj.gov/emp/docs/pdf/2011_Final_Energy_Master_Plan.pdf.
228. New Jersey Board of Public Utilities. New Jersey Energy Master Plan. 6 December 2011. http://nj.gov/emp/docs/pdf/2011_Final_Energy_Master_Plan.pdf.
229. US Green Building Council. LEED: Core Concepts Guide. 2011.
230. US Green Building Council. LEED: Core Concepts Guide. 2011.
231. US Green Building Council. LEED: Core Concepts Guide. 2011.
232. US Green Building Council. LEED: Core Concepts Guide. 2011.
233. US Green Building Council. LEED: Core Concepts Guide. 2011.
234. New Jersey Board of Public Utilities. New Jersey Energy Master Plan. 6 December 2011. http://nj.gov/emp/docs/pdf/2011_Final_Energy_Master_Plan.pdf.
235. US Green Building Council. LEED: Core Concepts Guide. 2011.
236. US Department of Energy. Office of Electricity Delivery & Energy Reliability. Smart Grid. <http://energy.gov/oe/technology-development/smart-grid>.
237. US Green Building Council. LEED: Core Concepts Guide. 2011.
238. US Green Building Council. LEED: Core Concepts Guide. 2011.
239. US Green Building Council. LEED: Core Concepts Guide. 2011.

240. Time Banks. About. <http://timebanks.org/>.

241. US Department of Transportation. Federal Highway Administration. Chapter 14, Transportation Management Centers. Freeway Management and Operations Handbook. http://ops.fhwa.dot.gov/freewaymgmt/publications/frwy_mgmt_handbook/chapter14_01.htm.

242. US Green Building Council. LEED: Core Concepts Guide. 2011.

243. US Green Building Council. LEED: Core Concepts Guide. 2011.

244. NJDEP. Watershed Information. <http://www.nj.gov/dep/watershedrestoration/info.html>.

245. NJDEP. Creating Sustainable Communities: A Guide for Developers and Communities. <http://highpoint.state.nj.us/dca/osg/>.

APPENDIX E: Plan Adoption

Adoption by the Board of Chosen Freeholders as a Comprehensive Action Plan for Achieving Sustainability in Passaic County Government Operations

- **R-13-158**, dated March 12, 2013

Adoption by the County of Passaic Planning Board as a Sustainability Element of the Passaic County Master Plan

- Written public comments received
- Response to written public comments received
- **Passaic County Planning Board Resolution**, dated May 2, 2013

**RESOLUTION
ADOPTING PASSAIC COUNTY FUTURE
AS A COMPREHENSIVE ACTION PLAN FOR ACHIEVING
SUSTAINABILITY IN PASSAIC COUNTY GOVERNMENT
OPERATIONS**

WHEREAS, pursuant to R-06-315, dated May 23, 2006, the Board of Chosen Freeholders of the County of Passaic created the Passaic County Citizens' Advisory Committee (the "Advisory Committee") on Energy Issues to review areas where the County can realize both economic savings and environmental benefits by utilizing existing or emerging technology in the interest of energy efficiency, and to make appropriate recommendations to the Board; and

WHEREAS, pursuant to R-07-422, dated August 14, 2007, the Advisory Committee became the Passaic County Citizens' Advisory Committee on Energy and Sustainability Issues; and

WHEREAS, pursuant to R-08-537, dated June 24, 2008, the Board of Chosen Freeholders enacted a comprehensive "Green Building" Policy for all new, remodeled or rehabilitated county facilities, and architectural and site plans concerning new county building construction and/or rehabilitation/improvement initiatives of county buildings; and

WHEREAS, pursuant to R-12-699, dated September 11, 2012, the Board of Chosen Freeholders enacted a comprehensive "Green Fleet" Policy addressing the management, operation and procurement of fleet vehicles under the control of the County of Passaic in order to improve the energy efficiency of its fleets and reduce emissions from its fleets; and

WHEREAS, the County of Passaic seeks to support the efforts of municipalities by providing professional environmental planning expertise and serving as a liaison to other government entities, nonprofit organizations, and regional agencies; and

WHEREAS, the Advisory Committee continues to review areas where the County can realize both economic savings and environmental benefits to strengthen the health and resiliency of the Passaic County community; and

WHEREAS, the Board of Chosen Freeholders of the County of Passaic is committed to enacting policy measures to be implemented and adhered to by officials and department heads within the purview of county government concerning sustainability in government operations; and

WHEREAS, the Advisory Committee, Freeholder Board, and County Administration recognize the need for a systematic approach to realize the most gains from their sustainability efforts; and

WHEREAS, the Department of Planning & Economic Development has engaged a Sustainability Working Group (the “Working Group”) of local Environmental Commission and Green Team members, university faculty, and sustainability experts to draft a comprehensive action plan with distinct goals and strategies to achieve a sustainable future for Passaic County; and

WHEREAS, the County of Passaic defines sustainability as a systematic approach that supports economic responsibility, environmental stewardship and a thriving community to achieve

and encourage the highest level of efficiency and conservation of resources in local government operations; and

WHEREAS, this “systems-thinking” approach leads to an accounting system that reaches the triple bottom line of fiscal, social and environmental performance; and

WHEREAS, the County of Passaic strives to provide effective services that fulfill the needs of county residents today, without compromising the ability of future generations of Passaic County residents to meet and exceed our quality of life; and

WHEREAS, the goals and strategies outlined in *Passaic County Future* were thoughtfully designed to guide Passaic County toward our vision for a sustainable future; and

WHEREAS, *Passaic County Future* represents a commitment to improving public health and the quality of life for all residents, visitors and businesses in the Passaic County community; and

WHEREAS, that such a commitment cannot be accomplished alone, but will require mutually-beneficial collaboration and partnerships with municipal, state and federal agencies, nonprofit and community groups, public corporations, and universities, as well as private sector businesses to ensure Passaic County’s Rich History, Bright Future;

NOW THEREFORE LET IT BE RESOLVED by the Board of Chosen Freeholders of the County of Passaic that *Passaic County Future* is hereby adopted as the comprehensive action plan for achieving sustainability in Passaic County government operations; and

BE IT FURTHER RESOLVED the Passaic County governing body will consider the direct and indirect fiscal, social and environmental impacts of their decisions, resulting in policies that reduce waste to promote efficiency and effectiveness across all three areas; and

BE IT FURTHER RESOLVED that in carrying out the policies enacted by the governing body, Passaic County Administration and staff will equally consider the fiscal, social and environmental impacts of their actions and operations; and

BE IT FURTHER RESOLVED that *Passaic County Future* will be re-examined and updated in five years from the date of this resolution; and

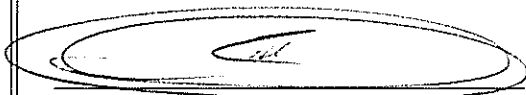
BE IT FURTHER RESOLVED that this resolution shall take effect immediately.

JRS:meg

This resolution was requested by:



Reviewed by:



ANTHONY J. DE NOVA
COUNTY ADMINISTRATOR

APPROVED AS TO FORM AND
LEGALITY:


WILLIAM J. PASCRELL, III
COUNTY COUNSEL

RECORD OF VOTE

Freeholder	Y	N	NV	ABS	RES	SEC
Bartlett	X					
Best	X					
Cotroneo	X					
Duffy	X				X	
Lepore	X					X
Lora	X					
Dir. James	X					

Y=yes N=no NV=not voting
ABS=abstain RES=moved SEC=seconded

Dated: March 12, 2013

COUNTY OF PASSAIC
DEPARTMENT OF PLANNING

2013 APR 18 AM 11:42

547 Clifton Ave
Clifton, New Jersey 07011
April 18, 2013
973-365-1060

Project Manager Jennifer Gonzalez,
Environmental Planning
Passaic County Planning + Economic Development

Dear Jennifer,

There are good strategies in Passaic County Future but there are approximately 70 strategies I do not support. Some of these strategies are implementing UN Agenda 21. It would change drastically our way of life. It also is danger to our freedom and prosperity "Sustainable Development is the process by which America is being reorganized using the environment as Gate. It is a new kind of tyranny that if not stopped will surely lead us to a new dark age of pain and misery yet known to mankind"

Quote of Tom McWeese American Policy Center

I also used two books, which I urge all the Commissioners on The Passaic County Planning Board, The Administration, P.C. Dept of Planning + Economic Development Board of Chosen Freeholders Energy + Sustainability Committee Members of Sustainability Working Group to read.

The Books are

Climategate author Brian Sussman a veteran Meteorologist Exposes the Global Warming Scam

The Greatest Hoax author US Senator James Inhofe How the Global Warming Conspiracy threatens your future.

P.S. The 70 strategies I do not support also Tea Party Members do not support also.

Yours Truly,
Ellen DeLash

547 Clifton Ave
Clifton, N.J. 07011
April 16, 2013
973-365-1060
Ellen De Losh

Passaic County Department of Planning & Economic Development
930 Reservoir Drive
Totowa, N.J. 07512

Hear Jennifer Gonzalez,

I am submitting my comments on the 300 Strategy
County Master Plan - Sustainability Element of the Passaic
Draft Plan Jan 2013.

First my statement - Quote from the Book The Greatest Hoax - How
the Global Warming Conspiracy threatens your future By US Senator James Inhofe
Why we shouldn't pursue Sustainable Development at the UN. Quote p 216
"surrendering sovereignty to an international body like the UN so heavily
influenced by environmental elites pursuing a Utopian agenda of sustainable
development is a dangerous idea." From the United States perspective, the
sustainable development agenda provides no benefit."

- p57 2A - Install Green infrastructure at County Facilities - and should not be in the plan
- 2B - County Facilities including low impact development and green infrastructure
- p58 2C - Properties that reduce impervious coverage on site and utilize green
infrastructure or green building design.
- 2D - Create a Green streets implementation plan for County Roads.
- 2E - Create a County wide inventory of Green Building and Green Infrastructure
Projects
- 2F - Implement green parking recommendations
- p63 8B - Promote employee use of reusable water bottles plates, Utensils, cups
and other food containers -
- p64 8T Discourage selling bottled water

Ellen De Losh

The following Strategy Number I am assigning -
p 2

- p64- 8P- Use solar powered public Trash compactors at county facilities - only get 270 from solar - Comments: Ellen De Lash
- p64 8Q Reuse asphalt millings + purchase asphalt with recycled content - How do to surface of roads stand up and how long does the road surface last?
- p66- 9C Develop County design guidelines as a resource for municipalities for sustainable and context-sensitive design
- 9D Complete Passaic County Facilities Plan - Phase II that addresses future facilities needs pursuant to Green Building Policy -
- 9E Liaise with regional planning efforts including the Regional Plan for Sustainable Development (RPSD)
- 9F Utilize Moving Passaic County and the Regional Plan for Sustainable Development planning process to assess existing infrastructure -
- p67- 10A Implement R-08-537 Green Building Policy and effectiveness of public transportation and reducing solo-driving.
- 10C R-08-537 Green Building Policy implementation and context - and for adaptive reuse, historical preservation and context-sensitive restoration of vacant County facilities where feasible and appropriate -
- 11A Encourage mixed use and live-work development This is UN agenda 21
- p68- 12A Encourage + support municipalities that adopt zoning regulations that promote smart growth form, Transit-oriented development, transit villages, freight-oriented development - This is UN agenda 21 -
- 13A Improve sidewalk conditions along existing + potential pedestrian corridors, particularly in activity centers, residential street grids and for access to transit - This is UN agenda 21 -
- 13B Develop neighborhood traffic management programs - school bus routing, walkability, pedestrian safety, utilize walkable community workshops and road safety audits, traffic calming - This is UN agenda 21

p68- 13C - Implement bicycle and pedestrian safety infrastructure improvements
This is UN agenda 21

14A Encourage large developers to provide new housing options or utilize cluster development that preserves open space and environmentally sensitive areas.
This is UN agenda 21

p68 14B - Identify an acceptable site to develop a housing complex utilizing previous funds set aside for the development of affordable housing to provide additional housing for county residents
why wasn't the money set aside for affordable housing not used for that?

p69 - 15A Increase access to and availability of passive and built green spaces for the public and County employees (i.e. Court House Plaza on Hamilton Street)
Do we need Green spaces?

p71 - 16C Pursuant to R-12-699 Green Fleet Policy. Alternate forms of transportation for County employees promote alternate forms of transportation for employees by considering safe bicycling routes to County facilities (e.g. commuter shelters) and preferred parking at County facilities (e.g. bike rental ports, lockers, map, bike racks, shower facilities, bus facilities for alternative fuel vehicles and employees who carpool improve emergency ride home options.
This is UN agenda 21

p71 - 16F Introduce traffic-calming measures on County roads to lower vehicle emissions and increase pedestrian safety encourage traffic calming on municipal roads.
What are calming measures?

p71 - 16G Implement the Morris Canal Greenway Feasibility Study to improve access to non-vehicular transportation, open space and recreation opportunities as well as historic preservation and interpretation
This is UN agenda 21

The Following Strategy Numbers I am ^{p4} against

Clifton, N.J.
Ellen De Losh
Comments

p72 - 16H Create interconnected on road bicycling network that supports both short & long distance bike commuting trips as well as other transportation trips. Increase bicycle parking at transit stations, develop bike stations at major multi-modal transit terminals and deploy bike racks or priority seating on all transit vehicles.

This is UN Agenda 21

16I Improve accessibility to intermodal freight facilities and address infrastructure constraints (i.e. low clearance bridges, low road weight limits) that result in circuitous rail routings.

This is UN Agenda 21

16J - Increase enforcement of truck route designations, particularly targeting trucks on ~~non~~ designated truck corridors during peak periods; pursue temporal diversion strategies for trucks (e.g. off hours operation of warehouse/distribution centers, off hour deliveries to business).

This is UN Agenda 21

16K - Work with N.J. Transit, TMA and municipalities through United We Ride Committee and NJTPA to expand Community Cars program, improve 'last mile' commute service between transit stations and destinations, introduce and expand bus rapid transit or shuttle services, encourage employer trip reduction program and expand TMA-sponsored shuttle bus services.

This is UN Agenda 21

p72 16L Following completion of interconnected bicycle network, examine introducing public bike sharing/rental program

This is UN Agenda 21

16M Develop a detailed Bicycle and Pedestrian Element of the Passaic County Master Plan.

This is UN Agenda 21

The Following Strategy Numbers I am against

Ellen De Losh
Clifton, N.J.

p 75-21D Perform a feasibility study of a compressed work week that perform a cost-benefit analysis of greenhouse gas mitigation from reducing employee commute and facilities energy use; potentially adopt compressed work week schedule and policy, when feasible and appropriate.

Without the greenhouse effect the earth would be a ball of ice - (Climategate - Brian Sussman a Veteran Meteorologist -

p 76 21E - Complete Greenhouse Gas Inventory of all Passaic County Operations with a comprehensive baseline of energy consumption building and account, calculates the County's carbon footprint and develops a corresponding Climate Action Plan

Greenhouse effect a hoax

22H Complete a Vulnerability Assessment of all mass transit services/facilities and roadways in Passaic River Basin addressing possible future impacts of climate change.

22B Encourage and support state and national policies and legislation for climate change mitigation and adaptation

Climategate

p 76 22C Develop climate adaptation strategies for essential local services and infrastructure; integrate climate adaptation strategies into Hazard Mitigation Plan

Climategate

p 76 23A Promote renewable energy generation on brownfields sites through Passaic County Brownfield Commission; add links to Passaic County website for redevelopment tools available to developers through the USEPA Re-Powering America's Land initiative.

Don't expect the sun to be adding significantly to the energy supply.

The following strategy numbers I am against.

p76-23B Advocate for microgrids small hydropower operation and community solar projects for business + neighborhoods.

Hydropower is good - 15% of California power ^{is} from hydro - so I support that.

Solar Power generates less than 2% of America's energy.

p76-23C - Continuing the Passaic County Renewable Energy Program for Public Entities.

Solar Power generates less than 2% of America's energy.

p76-23D - Complete an analysis of the capacity to increase renewable energy generation from photovoltaic devices on public commercial and residential facilities in the County, including an analysis and identification of growth areas; per megawatt costs; environmental and economic/workforce benefits; barriers to implementation and potential incentive programs.

Read "Climategate" By Brian Sussman

p77-23E - Install solar panels on County facilities and other participating municipal and board of education facilities where feasible and appropriate through renewable energy programs.

Solar Power generates less than 2% of America's energy.

The following strategy Numbers I am against

Ellen Mc Losh
Clifton, N.J.

p 77- 23 F Install small wind energy turbines on County facilities where feasible and appropriate beginning with a demonstration project at the Public Safety Academy.

Less than 1% of nation's electricity is generated by wind

Wind wholly unreliable

Wind blows to hard turbine blades shut down.

p 77- 23 G Evaluate and potentially implement a renewable energy project including either cogeneration or combined heat and power at Breakers Healthcare Center.

p 78- 25 C Replace fixtures equipment and system components at County facilities during routine and scheduled maintenance with high efficiency or conserving alternatives.

Check on Mercury in Light bulbs

p 79- 25 J Retrofit larger Kitchens and laundries in County facilities with Energy Star appliances.

- as Key software package known as the Home Area Network (HAN) - The HAN will interfere with all Energy Star appliances - p 197 - Climategate (Book) Brian Lussman

p 80- 26 D Pursuant to R-12-699 "Green Fleet Policy" complete vehicle fleet inventory, optimize vehicle fleet size: improve fuel efficiency of County Fleet by monitoring tire pressure and purchasing the most fuel efficient and or/alternative fuel vehicles possible, where feasible and appropriate: encourage new transportation technologies: minimize vehicle miles traveled: encourage car sharing among departments: and improve vehicle maintenance program using vehicle maintenance software, scheduling and monitoring.

The following strategy numbers I am against -

- p 82 - 29B - Promote green businesses -
- 29C - Award & recognize new construction and innovative design
- 29D - Develop a business sponsorship for "green projects"
- 29E - Prepare local business for changing economies
- p 83 - 33A - Facilitate remediation, revitalization and reuse of brownfields
- p 81 - 28A - Eliminate smart-grid technology in strategy
- p 85 - 35D - Partner with existing programs through W1B Green Jobs
- p 91 - 46A - Encourage residents, business and municipal governments to improve energy efficiency and promote energy conservation through N.J. Clean Energy Programs.
Book The Greatest Hoax + Climategate
author US Senator James Inhofe Brian Sussman
- p 92 - 46E - Educate community on sustainability issues
- p 93 - 46F - Provide educational program on recycling activities but delete impacts within schools by Environmental Educator
- p 93 - 46H - Host and sponsor periodic educational programs workshops and events to raise sustainability awareness
- p 97 - 53D - Revise bid specifications for janitorial supplies to include green cleaning options
- p 98 - 56A - Promote "Spare the Air days" and Bike/walk to workdays (voluntary curtailment of high-emission activities)
- p 99 - 56C - Support "discount days" during high ozone days.

p9

The following strategy members, I am against - Ellen De Losh
Clepton, G. J.

p99- 56.D - Pursuant to R-12-699 Green Fleet Policy, and
N.J. idling.

p108- 64E - the last provision ^{this} - limit the carry forward of
accrued vacation time to no more than the amount earned in
the previous year -

If Vacation time is not taken in the year - that
is it - Vacation Time must be taken each year -

p110- 64N. Include sustainability metrics for long term fiscal and
environmental sustainability -

p110- 64P. Develop a multi-year capital plan accounting for
fiscal and environmental sustainability and efficiency
sufficient revenues to fund operations, maintenance,
repair and eventual replacement of County facilities
and infrastructure

p115- 69A - Assess opportunities for integrating environmental
justice issues into County Planning Board development
review and encourage local land use boards to
integrate environmental justice into municipal
planning and zoning regulations -

p115- 71.A. Partner with Sustainable West Milford
^{would implement agenda 21 -}

p116- 72.B - omit the "Core Curriculum" content through
the "Common Core" state standards -



County of Passaic

Department of Planning & Economic Development
Totowa Business Center
930 Riverview Drive, Suite 250
Totowa, New Jersey 07512

MICHAEL LA PLACE AICP, PP
Director

TEL (973) 569-4040
FAX (973) 812-3450

April 23, 2013

Ms. Ellen DeLosh
547 Clifton Avenue
Clifton, NJ 07011

Re: *Passaic County Future* comments, dated 4/18/2013

Dear Ms. DeLosh,

Thank you for submitting written comments regarding *Passaic County Future*. I appreciate the time you spent to meet with me, review the plan, and prepare your remarks. Your letter dated April 18, 2013 has been shared with all County Planning Board Commissioners and submitted into the record; it will also be included in the appendices of *Passaic County Future*.

Please see the following answers in response to the questions regarding specific strategies asked in your letter.

8.Q *Reuse asphalt millings and purchase asphalt with recycled content*

Q: "How do surface of roads stand up and how long does the road surface last?"

A: Per the Passaic County Engineering Department, NJDOT specifications allow for up to 15% of recycled asphalt pavement in the surface course and up to 30% in the intermediate and base courses; it is hard to tell how the materials impact the lifespan of the pavement because so many other factors impact the lifespan (freeze-thaw cycles, salt use, utility work, traffic volume, truck loading, etc.). Light-use roads can last decades while heavier-use roads can last approximately 12-13 years.

14.B *Identify an acceptable site to develop a housing complex, utilizing previous funds set aside for the development of affordable housing, to provide additional housing for County residents*

Q: "Why wasn't the money set aside for affordable housing not used for that?"

A: The Passaic County Housing Agency is working with the Board of Chosen Freeholders to move this project forward.

15.A *Increase access to and availability of passive and built green spaces for the public and County employees (i.e., Court House Plaza on Hamilton Street)*

Q: "Do we need green spaces?"

A: According to Passaic County Master planning documents since the 1920s, the County has faced a significant deficit in adequate parks and open space for its residents per capita. Various studies illustrate the economic benefits of open space preservation. Increasing green space and preserved open space can attract investment, raise property values, revitalize cities, reduce crime, boost tourism, and prevent flood damage. The New Jersey Conservation Foundation finds that "the average home price increases 16% when it is located near

permanently preserved open space.”ⁱ Further, the citizens of Passaic County approved “Open Space and Farmland Preservation Trust Fund” and “Open Space and Parks Improvement” referenda in 1996, which were ultimately consolidated as a result of legislative initiative. Each year, the Board of Chosen Freeholders provides grant funding from the Open Space and Farmland Preservation Trust Fund to municipalities and nonprofit organizations. The Freeholders continue to invest in the County Park System, dedicating \$3 million in funds from the County’s Open Space Trust Fund to rehabilitate and enhance Passaic County Parks in 2010.

16.F *Introduce traffic calming measures on County roads to lower vehicle emissions and increase pedestrian safety, encourage traffic calming on municipal roads*

Q: “What are calming measures?”

A: The Institute of Transportation Engineers defines traffic calming as “the combination of mainly physical measures that reduce the negative effects of motor vehicle use, alter driver behavior and improve conditions for non-motorized street users.”ⁱⁱ Examples of traffic calming include re-striping roadways and creative use of landscaping and street trees.

Pursuant to the New Jersey County and Regional Planning Enabling Act section 40:27-4, the County Planning Board will consider your comments when making their decision regarding adopting *Passaic County Future* as an element of the Passaic County Master Plan.

Please feel free to contact me with any questions at 973-569-4040.

Sincerely,


Jennifer Gonzalez
Environmental Planner

Cc: Passaic County Board of Chosen Freeholders
Passaic County Planning Board
Anthony J. De Nova III, County Administrator
Hector A. Herrera, Deputy County Administrator
Louis E. Imhof III, Clerk to the Board of Chosen Freeholders
Michael La Place, Director, Department of Planning & Economic Development
Elizabeth Newton, Principal Planner
Tim Metlen, Deputy County Engineer
Janice DeJohn, Director, Passaic County Housing Agency

ⁱ New Jersey Conservation Foundation. *The Benefits of State Preservation Programs*. 2007.

ⁱⁱ Lockwood, Ian. ITE Traffic Calming Definition. ITE Journal, July 1997, pg. 22.

PASSAIC COUNTY PLANNING BOARD
RESOLUTION

WHEREAS, the Passaic County Planning Board has prepared *Passaic County Future*, dated January 2013 which will serve as a comprehensive action plan with distinct goals and strategies to achieve a sustainable future for Passaic County; and

WHEREAS, *Passaic County Future* represents a commitment to improving public health and the quality of life for all residents, visitors and businesses in the Passaic County Community; and

WHEREAS *Passaic County Future* is proposed as a Sustainability Element of the Passaic County Master Plan; and

WHEREAS, the New Jersey County and Regional Planning Enabling Act section 40:27-4 requires that before adopting any part of a Master Plan a County Planning Board shall advertise and hold at least one public hearing and provide copies of the proposed Master Plan element at least 20 days prior to that hearing to the municipal clerk and secretary of the planning board of each municipality in the county; and

WHEREAS, the Passaic County Planning Board did hold a public hearing on March 21, 2013 at 5:00 PM at the offices of the Department of Planning and Economic Development, 930 Riverview Drive, Suite 250, Totowa, New Jersey 07512 and did advertise said hearing by a public notice in the North Jersey Herald News on January 22, 2013 which notice also stated that written comments could be submitted for a period ending April 18, 2013; and

WHEREAS, the Passaic County Planning Board did provide copies of the proposed element to the municipal clerk and secretary of the planning board of each municipality by certified mail at least 20 days prior to the hearing and did also post a copy of the proposed element on the website of Passaic County; and

WHEREAS, Ellen DeLosh of Clifton appeared at the public hearing asking how Passaic County is making quality of life better for Passaic County residents, businesses and visitors; Planning staff responded by arranging a meeting to answer her question, and she subsequently submitted written comments on April 18, 2013; and

WHEREAS, Rayna Laiosa of Hawthorne, representing the Hawthorne Environmental Commission and Green Team, Jerry Flach of North Haledon, representing the North Haledon Planning Board, Catherine Alexander, representing Montclair State University, and Kathleen Caren of West Milford spoke consecutively in favor of *Passaic County Future* as a collective process that produced a comprehensive sustainability plan which will provide the highest services at the lowest cost for Passaic County residents by protecting the environment, providing a thriving community and reducing the County's economic bottom line; and

WHEREAS, *Passaic County Future* dated January 2013 has undergone minor revisions pursuant to comments received, grammar and formatting changes; and

WHEREAS, the Passaic County Board of Chosen Freeholders on March 12, 2013 passed Resolution R-13-158 adopting *Passaic County Future* as a comprehensive action plan for achieving sustainability in government operations;

NOW THEREFORE BE IT RESOLVED that the Passaic County Planning Board does hereby adopt *Passaic County Future* dated April 2013 as a Sustainability Element of the Passaic County Master Plan.

BE IT FURTHER RESOLVED that the Passaic County Planning Board directs that an official copy of the Sustainability Element dated April 2013 be prepared recording the action taken this date by the identifying signature of the secretary of the Passaic County Planning Board and that an attested copy of this element of the Master Plan be certified to the Passaic County Board of Chosen Freeholders and to the legislative body of each municipality within the County as required by the New Jersey County and Regional Planning Enabling Act section 40:27-4.

AND BE IT FURTHER RESOLVED that this Resolution be spread full in the minutes of the Meeting.



5/2/13

Michael La Place, AICP / PP
Director, Passaic County Department of
Planning & Economic Development



5/2/13

Joseph Metzler
Chairman, Passaic County Planning Board

