



SUSTAINABLE NEWARK

THE CITY OF NEWARK'S PLAN FOR SUSTAINABILITY



RASCL 5th Annual Summit

Local Stories Panel
December 8th

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2016



City of Newark COMPREHENSIVE DEVELOPMENT PLAN V

Adopted by Newark City Council on September 26, 2016
Certified by the State of Delaware on January 5, 2017

Comprehensive Development Plan: Vision

Element 1

Healthy and Active Community

“Bicycle and pedestrian-
friendly”

“Complete Streets”

Parks and open space

Compact & Mixed-Use
Development

Access to health foods

Element 2

Sustainable Community

Transit and alternative
transportation

Efficient use of public
resources

Stream valley/watershed
protection

Diverse economic base

Energy conservation &
recycling

Element 3

Inclusive Community

Access to Transit and
alternative transportation

Range of housing choices
and affordability levels &
Fair Housing

Parks and recreation spaces
that offer a range of
passive and active
recreation activities.

Access to a variety of
options for employment,
commerce, and
entertainment

Source:

<https://newarkde.gov/854/Comprehensive-Development-Plan-V>

Sustainable Newark: How WE Got Here

Municipality/County population size	Grant funding available
≥ 5,000	Up to \$80,000
< 5,000	Up to \$40,000



Delaware Sustainable Communities Planning Grant 2017 Grant Opportunity Announcement

Community Sustainability Plan

To be eligible for this grant funding, an applicant's proposed sustainability plan must include two or more of the community-focused sustainability categories listed below:

1. Energy reduction
2. Renewable energy use
3. Waste reduction
4. Water conservation
5. Clean transportation
6. Local food system
7. Green infrastructure and green buildings
8. Flood resiliency

Sustainable Newark: How WE Got Here

2017

- Applied to the DNREC's Division of Energy and Climate Grant – Delaware Sustainable Communities Planning Grant. \$80,000

PROJECT:

Develop, through a collaborative process, a broad, long-term, and integrated community sustainability plan that defines the City's **vision**, **goals**, and **implementation plan** to become a more sustainable community."

Plan for Planning

Project Description

Project Team

Community Outreach & Public Participation

Time Line

Budget

Newark Community Sustainability Plan

Plan for Planning



Sustainable Newark:

Kick Off – Newark Community Day 2017

What is Your Vision for a Sustainable Community?



Energy Reduction

- Encourage utilities to embrace energy efficiency for customers.
- Promote efficient buildings and appliances.
- Improve efficiency in affordable housing
- Education and behavior modification
- Energy benchmarking and disclosure



Renewable Energy Use

- Solar
- Geothermal
- Wind
- Water



Water Conservation



Local Food Systems



Clean Transportation

Vision for a Sustainable Community

Plans

Community Votes

Clean Transportation	36
Renewable Energy Use	31
Sustainable Development and Urban Design	19
Waste Reduction	18
Sustainable Economic Development	18
Water Conservation	17
Energy Reduction	14
Local Food Systems	12
Green Infrastructure	7
Flood resiliency	5

Steering Committee/Consultant

Representative from the *Conservation Advisory Commission*
Representative from the *Newark Planning Commission*
Representative from *WILMAPCO*
Representative from *University of Delaware*
Representative from *BikeNewark*
Representative from the *Newark Transportation Improvement Project (Newark TriP)*
Department of Public Works and Water Resources
Department of Parks and Recreation
Department of Planning and Development
Newark City Manager's Office
2-3 Newark Residents (At-Large)



AECOM

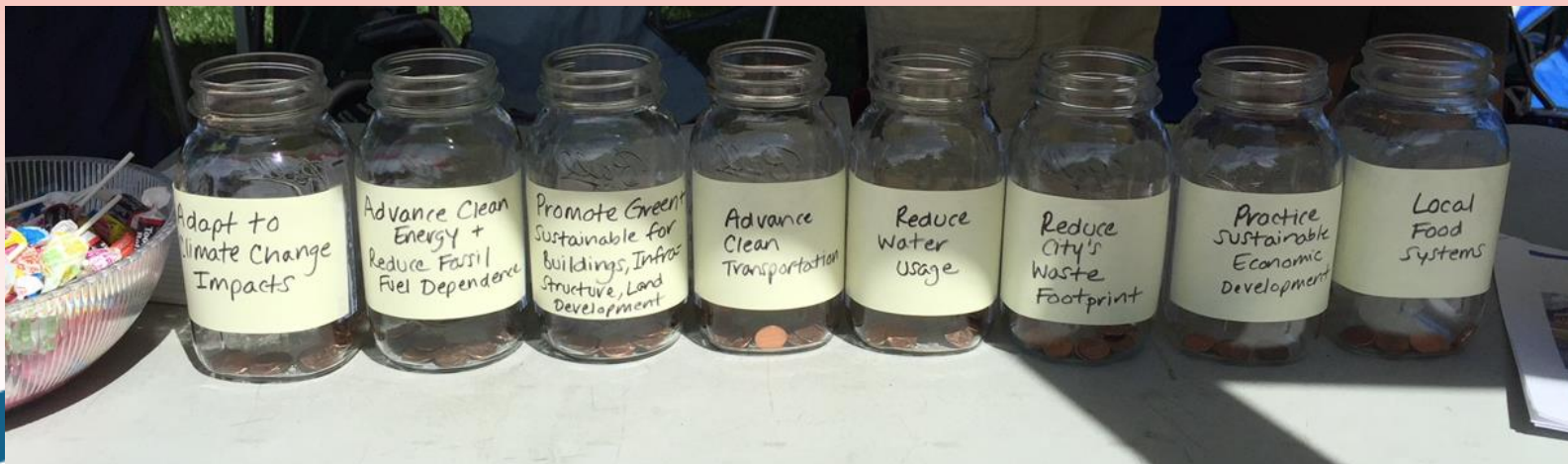
Planning for Sustainability – A Community Effort

600+ Volunteer Hours

235 votes for sustainability priorities at Newark Community Day 2018

13+ Steering Committee meetings

2 Public Open Houses



Sustainable Newark Themes



Theme 1

We Respond to Climate Change

The City of Newark is committed to clean energy.



Theme 2

We Plan and Develop for all

The City of Newark is committed to sustainable land development and clean transportation.



Theme 3

We Build Better, Waste Less

The City of Newark advances sustainable design to promote healthy, efficient, and livable buildings.



Theme 4

We Preserve Nature, Reduce Impacts

The City of Newark minimizes its environmental footprint by preserving its natural resources and reducing its waste generation and water usage.

Sustainable Newark Themes



Theme 1

We Respond to Climate Change

- GOAL 1.1.** Procure renewable generation resources for its electricity mix: 30% by 2025, 65% by 2035, and 100% no later than 2045.
- GOAL 1.2.** Increase the number of its residents participating in behind-the-meter solar generation and community solar programs
- GOAL 1.3.** Facilitate innovative pilot renewable energy projects such as community solar and other developing renewable energy and energy storage technologies.
- GOAL 1.4.** Prepare a greenhouse gas (GHG) emission inventory



Sustainable Newark Themes



Theme 2

We Plan and Develop for all



GOAL 2.1. Implements sustainable land-use principles based on the Delaware model for “Complete Communities” using the Delaware Complete Communities Toolbox

GOAL 2.2. Supports a car-free lifestyle.

GOAL 2.3. Reduces its transportation GHG footprint and embraces the transition to clean transportation options for its own operations, its residents, and businesses.



Complete Streets



Efficient Land Use



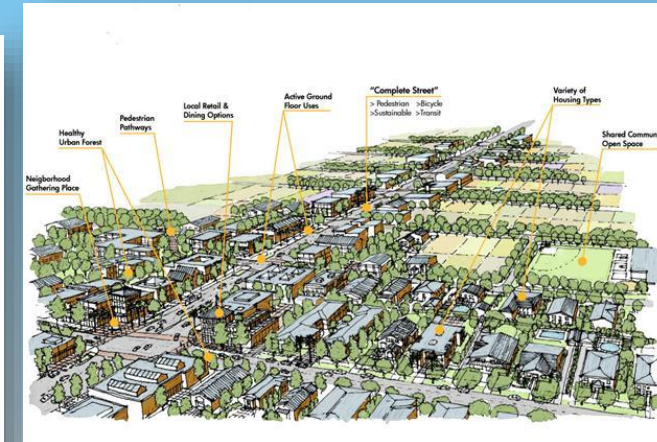
Healthy and Livable



Inclusive and Active



Sustainable and Resilient



Sustainable Newark Themes



Theme 3

We Build Better, Waste Less

GOAL 3.1. Requires all new investments in building and land development to use the latest sustainable design strategies.

GOAL 3.2. Adopt a benchmark and implement a range of energy efficiency incentives through Efficiency Smart to save approximately 3,300 megawatt-hours (MWh) of energy over the 3-year contract period.

GOAL 3.3. City buildings will use 25% less electricity and other forms of energy than in 2018 by 2025 and be carbon-free by 2030.



Sustainable Newark Themes



Theme 4

We Preserve Nature, Reduce Impacts

- GOAL 4.1.** Water customers will use less water each year compared to the prior year through 2025.
- GOAL 4.2.** Reduces the amount of inflow and infiltration (I&I) as well as fats, oils, and greases in its wastewater being discharged.
- GOAL 4.3.** Increase its tree canopy to 34% by 2025 and 36% by 2030.
- GOAL 4.4.** Conserves and improve its existing green spaces and seeks to increase them as opportunities arise.
- GOAL 4.5.** Enhances flood resiliency as it reduces stormwater runoff volume and rates and improves stormwater quality.
- GOAL 4.6.** Lessens the per capita tonnage per year sent to the solid waste landfill by 5% from 2018 by 2025 and 10% by 2030.
- GOAL 4.7.** Contributes to efforts to improve air quality.



Implementation



Conservation Advisory Commission

Responsible for implementation

THE NEWARK PARTNERSHIP

On-line "Dashboard"

Accessible on City's Website.

Shows real-time data on:

- energy usage
- renewable power generation
- water consumption
- and other critical components



Green Building Code

White Clay Creek/Emerson Bicycle and Pedestrian Bridge



Renewable Energy Program



City Vehicles - Electric Fleet



Expansion

1,300 KW of new solar generation

- Municipal Center: Rooftop solar on City Hall
- Field Operations Complex: Rooftop solar on Building #1 and Building #2
- Newark Reservoir: Field adjacent to the reservoir
- McKees Solar Park: Expansion of existing solar





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Thank you!

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