



PhillyStat Outcomes



**Mayor's Goal 4: Philadelphia
Becomes the Greenest and Most
Sustainable city in America**



What is PhillyStat?

PhillyStat is the City of Philadelphia's performance management program, led by the Managing Director's Office in partnership with the Finance Office. During PhillyStat meetings, City leaders review departmental performance metrics and progress toward the Mayor's strategic goals.

What are PhillyStat Outcomes Meetings?

PhillyStat Outcomes meetings are a high-level review of the Mayor's goals and outcomes. At PhillyStat Outcomes, the Mayor or his Chief of Staff chairs while one or more Core Team member presents. The City's Core Team is comprised of the City Solicitor, the Communications Director, the Finance Director, the Managing Director, and the Deputy Mayors.

Goal 4

The Mayor's Goals

1. Philadelphia becomes one of the safest cities in America
2. The education and health of Philadelphians improves
3. Philadelphia is a place of choice
4. Philadelphia becomes the greenest and most sustainable city in America
5. Philadelphia government works efficiently and effectively, with integrity and responsiveness

Goal 4: Philadelphia becomes the greenest and most sustainable city in America.

Owners: Deputy Mayors Rina Cutler and Michael DiBerardinis

Outcome 1: Our water and air are cleaner

Departments or programs involved:

The Mayor's Office of Transportation, the Mayor's Office of Sustainability, the Philadelphia Water Department, Parks and Recreation, and the Streets Department

Outcome 2: We use less energy (November 29)

Departments or programs involved:

The Streets Department, Parks and Recreation, The Mayor's Office of Transportation, the Mayor's Office of Sustainability, and the Philadelphia Water Department

Thriving cities tend to their natural resources and infrastructure. People want to live, learn, work, and play in cities with clean air, clean water, and green neighborhoods. Livable communities have well maintained green infrastructure that improves water quality and leads to neighborhood parks and open spaces that connect residents to the natural environment.

With Greenworks Philadelphia as our guide, the Mayor's Office of Transportation and Utilities and Philadelphia Parks and Recreation will work collaboratively with other City agencies and outside partners to make Philadelphia the greenest and most sustainable city in America.

- The City of Philadelphia plans to improve stormwater management through an innovative and cost-effective method of green infrastructure development
- Using this strategy, the City believes it is on track to meet its goal for 2012
- In addition, the City will expand the amount of publicly-accessible green space, as well as the number of community gardens and healthy options, using a combination of public and private funding
- 100 acres of publicly accessible parks and recreation spaces have been developed since 2008 and 105 additional acres have been identified for development
- Many of the examples outlined in this presentation highlight the collaborative effort of City departments, as well as the shared benefits of creating more green space and green infrastructure in our City



MAYOR'S GOAL 4:
PHILADELPHIA
BECOMES THE
GREENEST AND
MOST SUSTAINABLE
CITY IN AMERICA

**Outcome 1: Our
Water and Air Are
Cleaner**

Measure 1

Measure: Greened acres, which are acres of impervious land within Philadelphia's combined sewer area that have been retrofitted with green stormwater infrastructure capable of handling at least 1 inch of stormwater runoff

Target: Construct 744 greened acres by 2016, 149 acres by 2012

Measure 2

Measure: Gallons of potentially managed stormwater from the greened acres in Measure 1

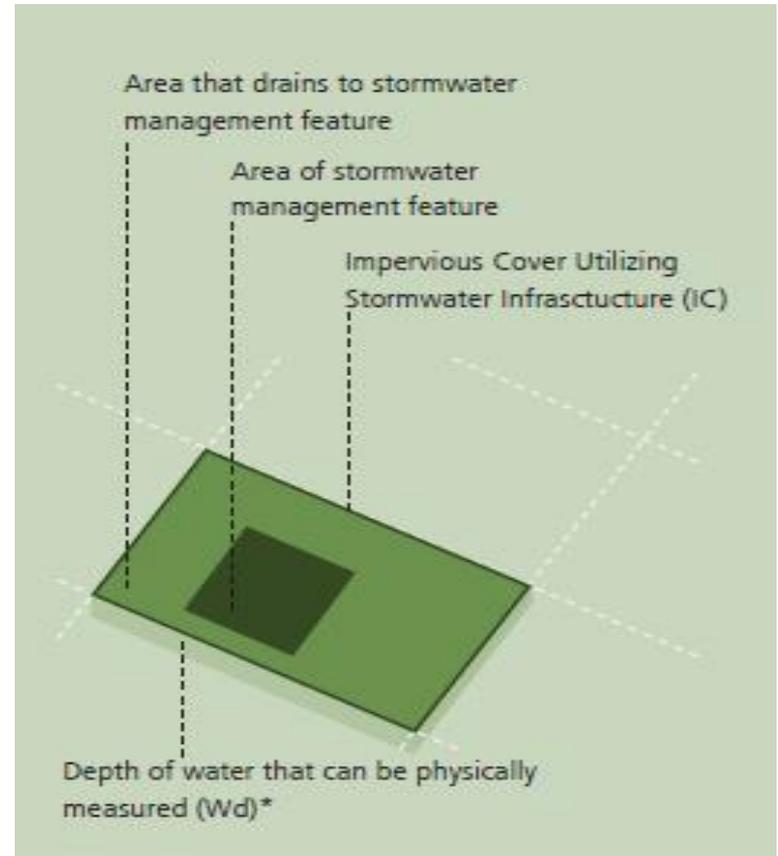
Target: Provide the infrastructure to manage 646 million gallons of stormwater by 2016; 145 Million Gallons by 2012

Our Water and Air Are Cleaner

Measure 1: Greened Acres

What is a Greened Acre?

- Greened acres are acres of impervious land that have been retrofitted with green stormwater infrastructure capable of handling at least one inch of stormwater runoff.
- Green infrastructure methods of stormwater management can decrease stormwater runoff, lessening the load on the sewers and making our air and water cleaner.



Our Water and Air Are Cleaner

Measure 1: Greened Acres

Types of Green Infrastructure:

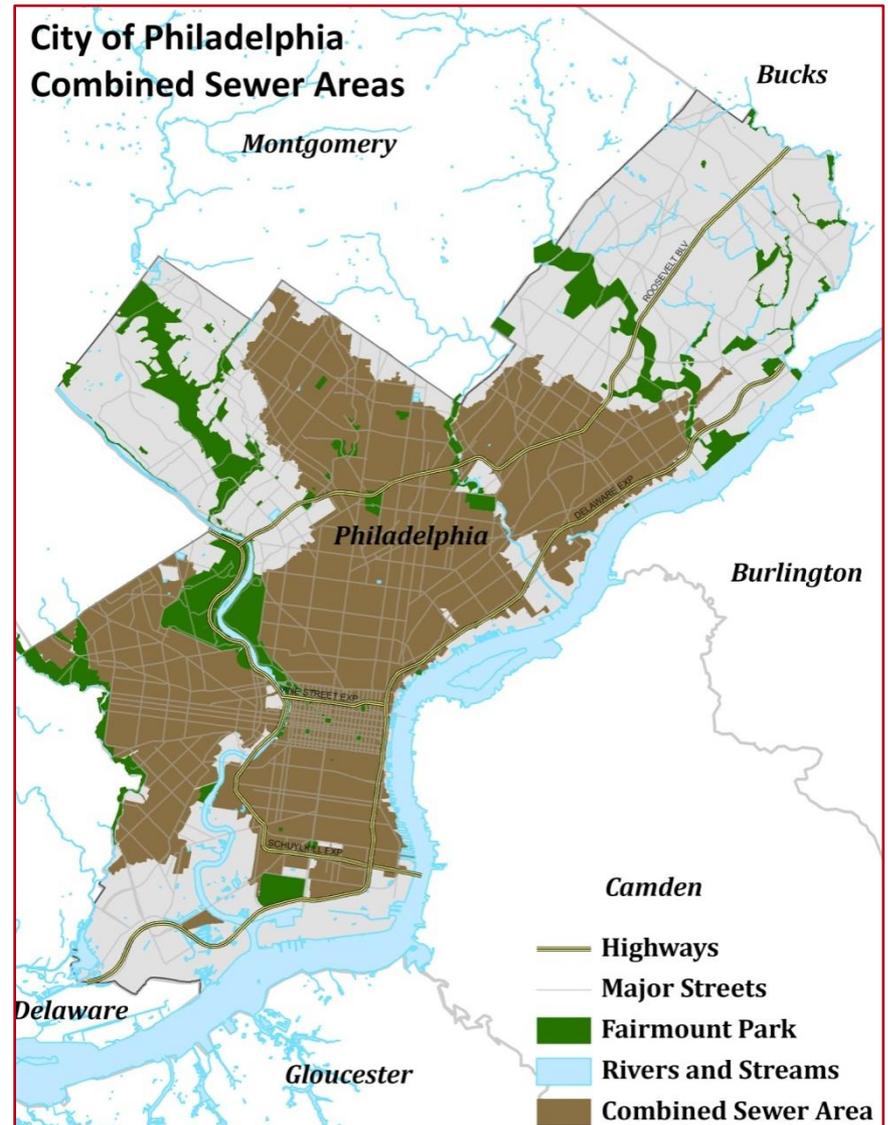


Our Water and Air Are Cleaner

Measure 1: Greened Acres

Combined Sewer Areas:

- Construction of greened acres is focused in the portion of the City that has combined sewers, where the risk of polluted water from stormwater overflow is greatest.
- During heavy rain, these sewers can overflow, polluting our rivers and streams.
- Greened acres are a cost-effective way of mitigating stormwater overflow.

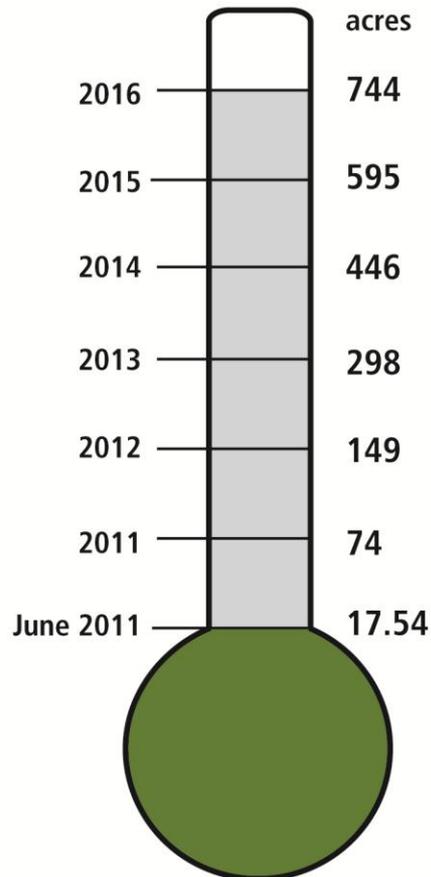


Our Water and Air Are Cleaner

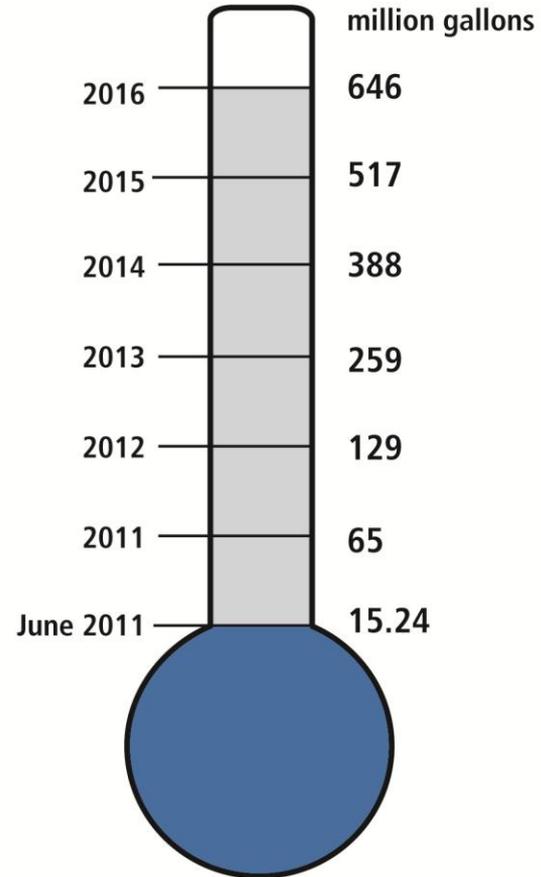
Measures 1 and 2: Greened Acres and Gallons of Managed Stormwater

What Is Our Current Progress, And What Are Our Goals for the Next 5 Years?

GREENED ACRES



MANAGED STORMWATER VOLUME

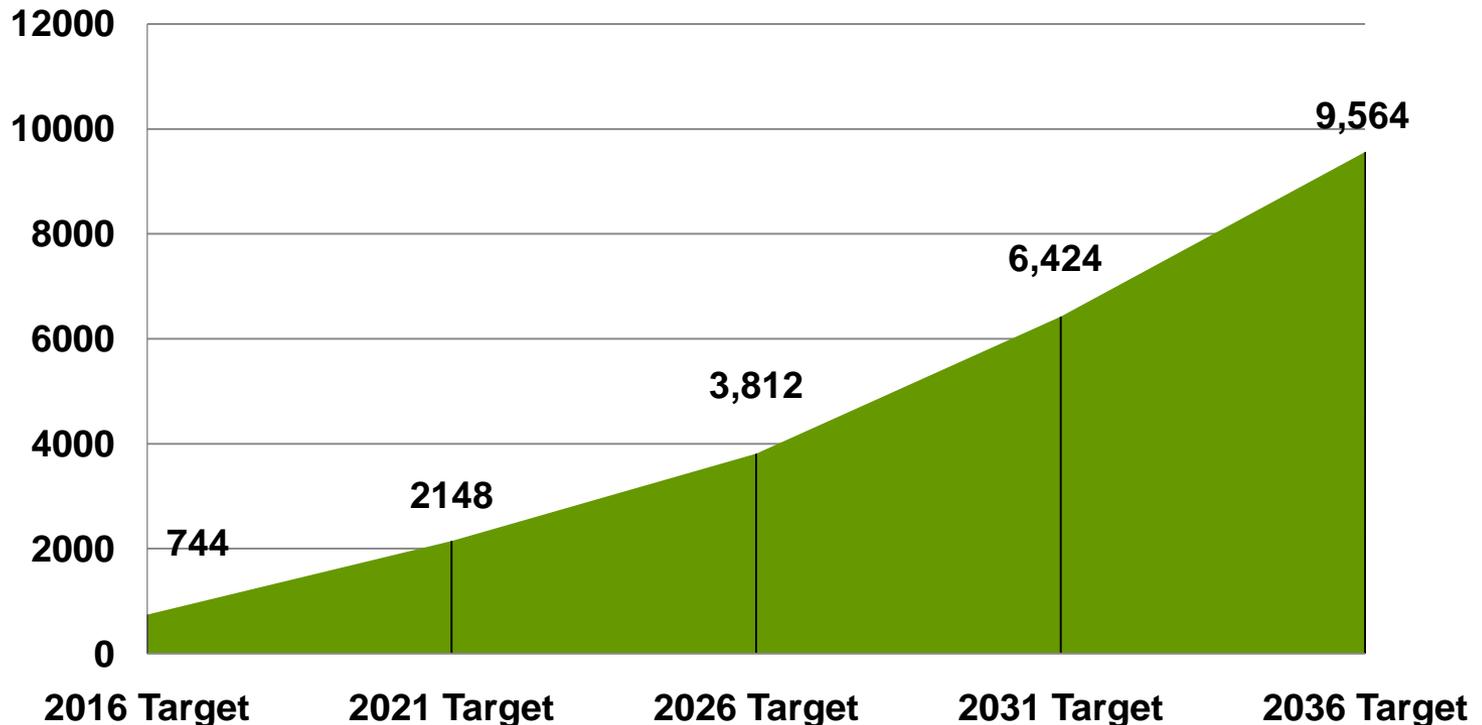


Our Water and Air Are Cleaner

Measure 1: Greened Acres

What Are Our Long-Term Goals for Green Acre Construction?

**5-Year Projections for Green Acres Construction
(Public and Private), 2016 through 2036**

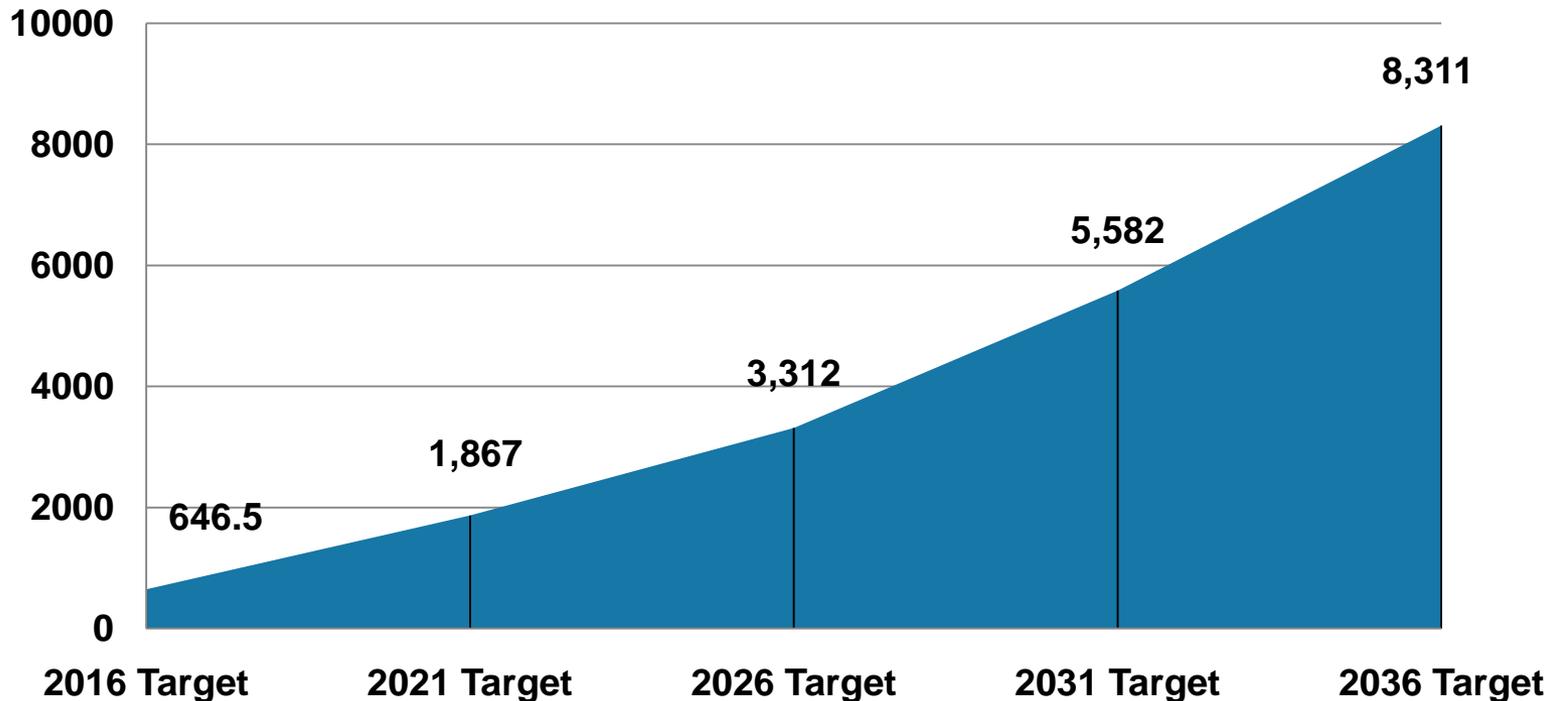


Our Water and Air Are Cleaner

Measure 2: Gallons of Managed Stormwater

What Are Our Long-Term Goals for Stormwater Management?

5-Year Projections for Stormwater Management (in Million Gallons) through Green Acre Construction, 2016 through 2036



Our Water and Air Are Cleaner

Strategies for Measures 1 and 2

The City has the following strategies and initiatives in place to increase the number of greened acres and gallons of managed stormwater:

– **Clean Water, Green Cities**

- Greened acres achieved through private development related to the implementation of Stormwater Regulations (Water Department- Plan Review Unit)

– **Green Streets Program**

- Greened acres achieved on streets through the implementation of Green Streets Manual (Streets Department)

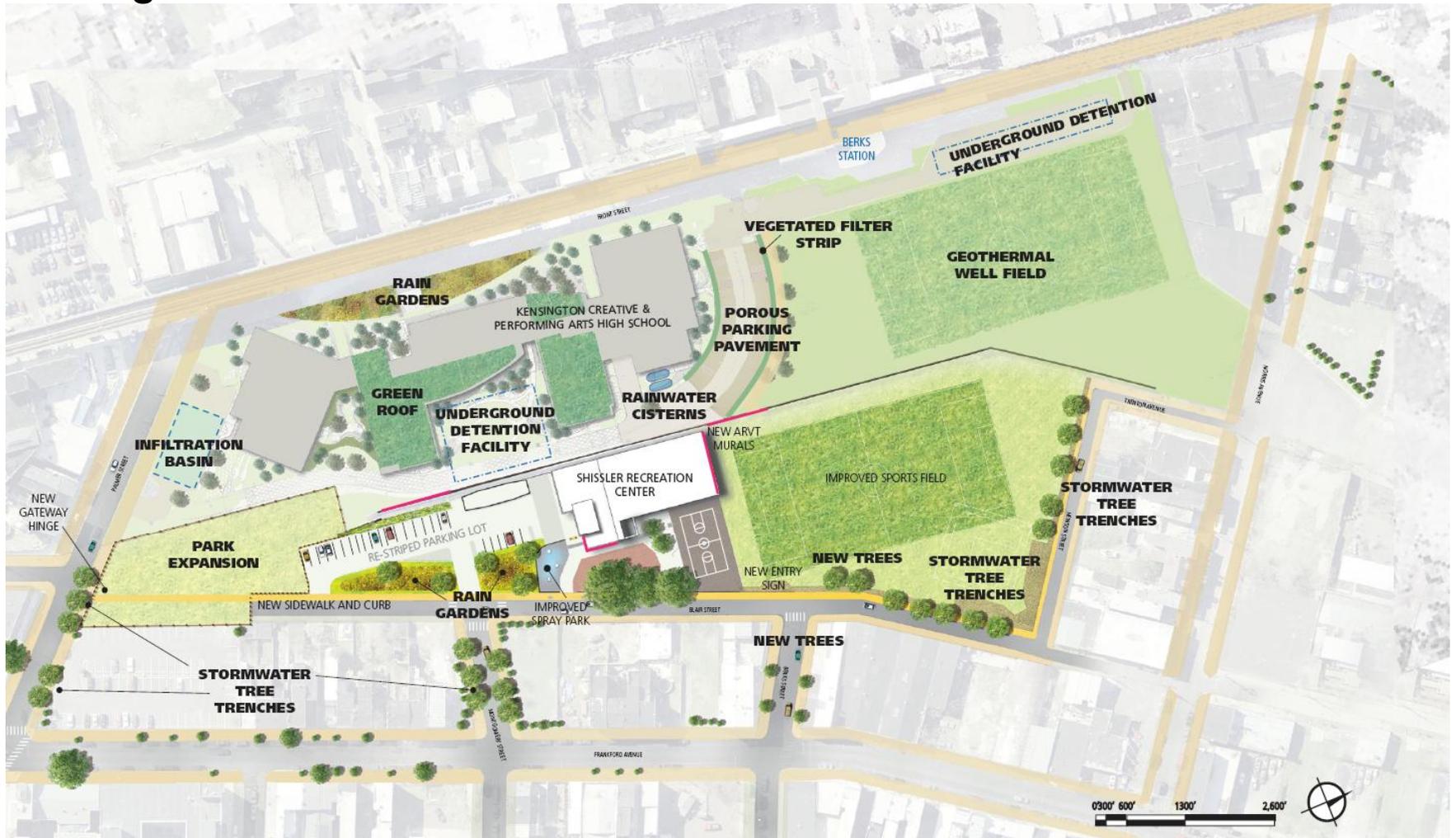
– **Green Public Facilities Program**

- Greened acres achieved on public land through the implementation of PWD green programs (Parks and Recreation, School District)

Our Water and Air Are Cleaner

Examples for Measures 1 and 2

The Big Green Block: 4.8 Greened Acres Constructed



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Examples for Measures 1 and 2

The Big Green Block: Before

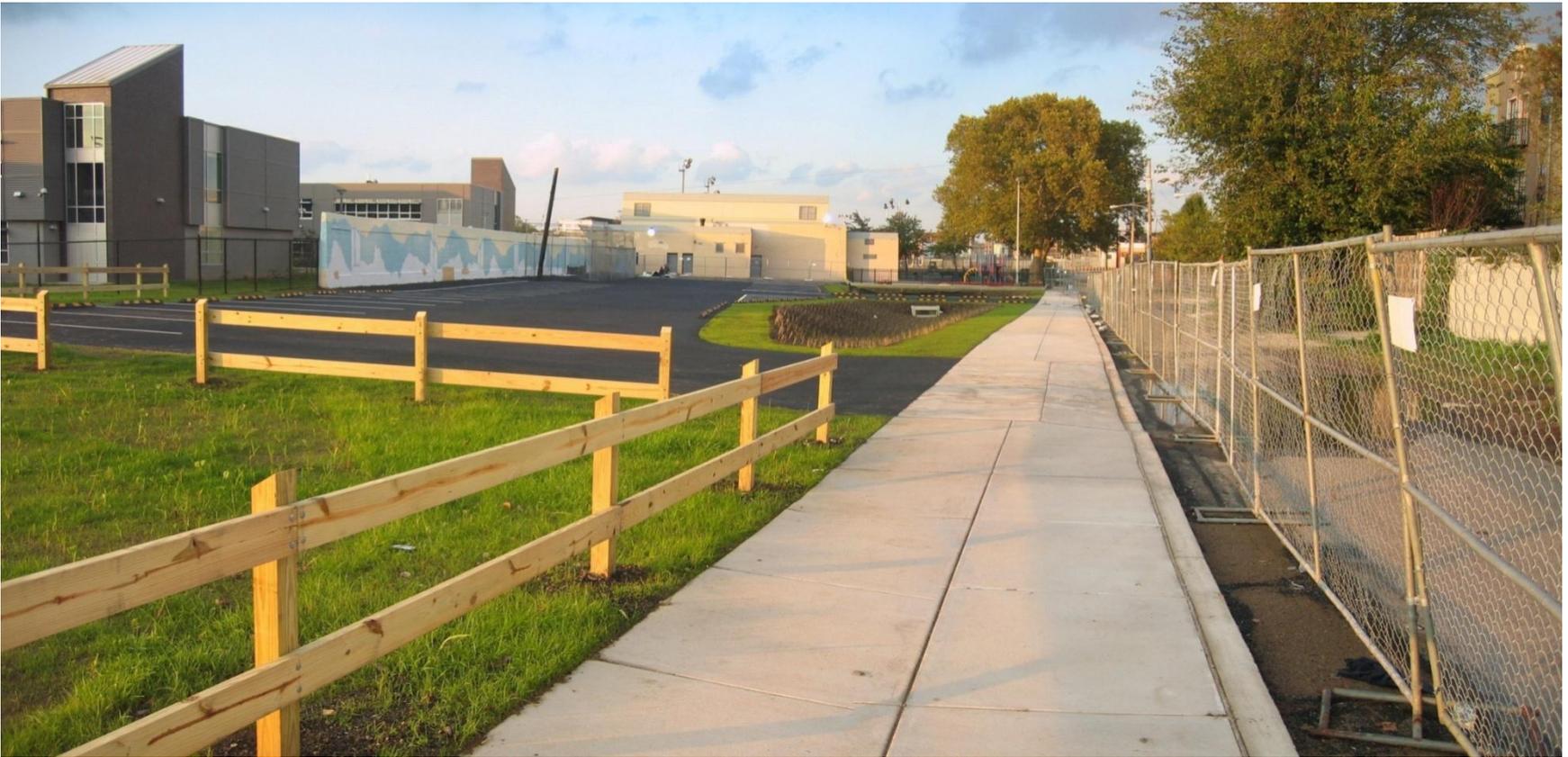


Outcome 1

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Examples for Measures 1 and 2

The Big Green Block: After



Outcome 1

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Example for Measures 1, 2, and 3 (to be explained)



Big Green Block
Description: Stormwater management, streetscape improvements, pathways, energy efficiency retrofits, and field improvements in and around Shipler Recreation Center.
Partners: Philadelphia Department of Recreation, Fairmount Park, PHS, NKCCDC, PMD, Councilman Clarke, Councilwoman Sanchez and Mural Arts Program.
Status: Plans finalized. Phase 1 construction to be completed by September 2010 with field improvements completed in Spring 2011.
Funding: \$950,000 in leveraged capital.



CAPA High School
Description: First LEED Platinum High School in the region.
Partners: Philadelphia School District, Youn United for Change, Office of Councilwoman Sanchez, Philadelphia Education Fund, NKCCDC, PNA, ENA, Employment Zone.
Status: To be completed by August 2010.

Palmer Park
Description: Existing park, owned and managed by Fairmount Park. New benches and pedestrian features.



Columbia Ave Tree Plantings
Description: Street Tree Plantings.
Partners: PHS, Fairmount Park.
Status: Spring 2010 planting.



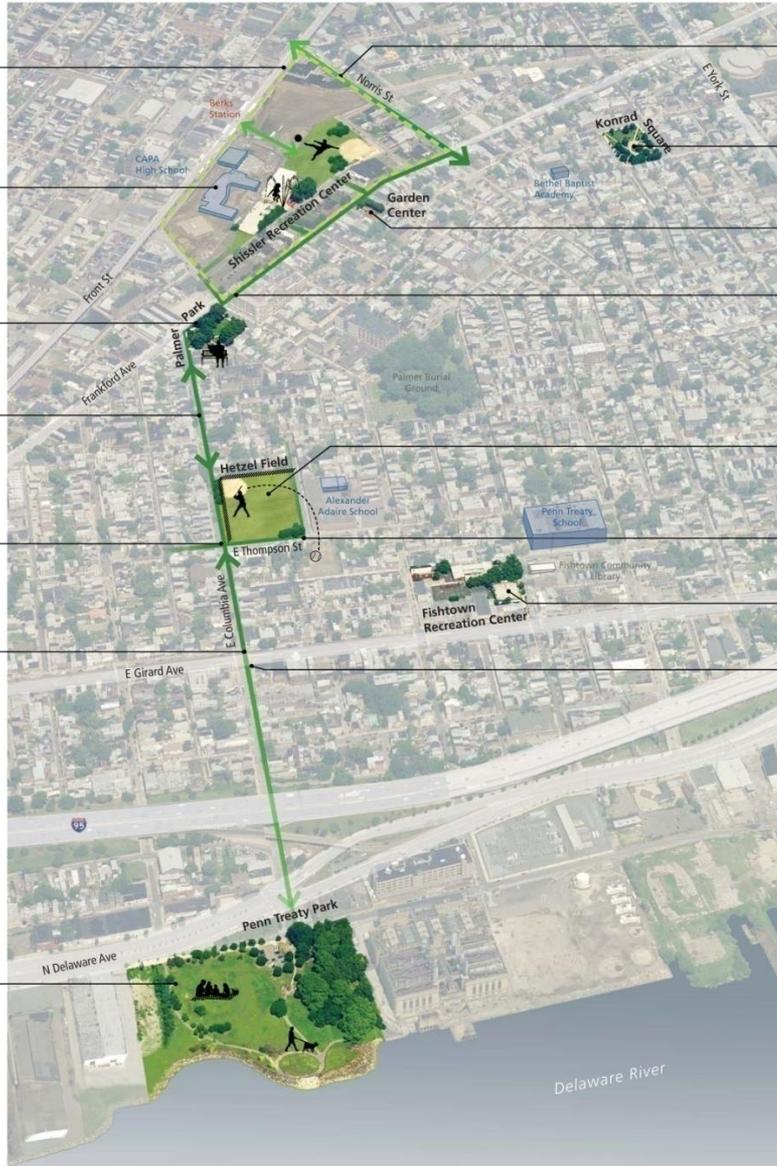
Stormwater Intersection: Columbia and Thompson
Description: Design and build model stormwater intersection at Columbia and Thompson.
Partners: NKCCDC, PMD, PHS, ESP.
Status: Funding approved. Date of completion: 2011.
Funding: \$300,000 (\$120,000 capital plus in-kind services).



Corridor Gateway: Columbia and Girard
Description: Streetscape improvements on Girard and a gateway at Girard and Columbia. Gateway designed by Studio Bryan Hanes.
Partners: NKCCDC, Neighborhood Now, Preservation Alliance, Mural Arts, Girard Avenue Coalition, PHS, PMD, Fairmount Park, Department of Recreation, and Studio Bryan Hanes.
Status: Funding secured. Construction reported in December 2010.
Funding: \$300,000 in capital leveraged.



Penn Treaty Park
Description: New master plan for Penn Treaty Park.
Partners: Led by Fairmount Park with support from Friends of Penn Treaty Park, PHS, William Penn Foundation, DCNR, PNA, Penn Parks, NKCCDC, and Studio Bryan Hanes.



Norris Street Connection
Description: Streetscape improvements to create safer pedestrian environment between the E and Frankford Ave.
Partners: NKCCDC, Pa. Eye Street Program, Mural Arts Program, PHS, Phila Weed and Seed, PDC, Neighborhoods America and the City of Philadelphia Commerce Department.
Status: Mural, gardens and tree trenches completed.
Funding: \$213,000 in funding leveraged.

Konrad Square
Description: New furniture and plantings and new stormwater management system with stormwater tree trenches.
Partners: Friends of Konrad Square, PHS, PMD, DCID, Office of Councilman DiCiro.
Status: Completed.

Garden Center
Description: NKCCDC's Garden Center serves as a neighborhood resource in greening efforts.

Frankford Avenue Streetscapes
Description: Implement streetscape designs and improvements between 5th and Columbia.
Partners: NKCCDC, City of Philadelphia Streets Department, Commerce Department, LSC, Hornstown Streets, DVAPC, PennDOT.
Status: Ground breaking scheduled for July 2010. Expected completion by December 2010.
Funding: \$1,300,000 in leveraged capital.

Hetzel Field
Description: Involved playing field for youth, owned by the Department of Recreation.
Partners: Fishtown Athletic Club, Dept. of Recreation, School District of Philadelphia.
Status: Completed.
Funding: \$10,000.

Hetzel & Adaire Stormwater Tree Trenches
Description: Stormwater management tree trenches in front of Adaire School and Hetzel Field.
Partners: PHS, Dept. of Recreation, School District of Philadelphia.
Status: Will be finished by June 2010.

Fishtown Recreation Center
Description: Existing recreation center, owned and managed by the Philadelphia Department of Recreation.

Art and Intrigue
Description: Artistic interventions to draw people down Girard Ave to the Delaware River. Two murals on Girard will help map the way and temporary art components will follow down Columbia.
Partners: NKCCDC, Mural Arts Program, and Fishtown Area Business Association.
Status: Temporary 'whitewash' mix designs have been distributed to property owners along the route. Full murals to be completed by September 2010.
Funding: \$100,000.



Measure 3

Measure: The amount (in acres) of new publicly-accessible parks

Target: Increase the acreage of publicly-accessible parks such that 75% are within a 10-minute walk by 2015

Measure 4

Measure: The number of publicly-accessible gardens in Philadelphia

Target: Increase the number of publicly accessible gardens such that 75% of residents are within a 10-minute walk of a garden/healthy food option by 2015

Our Water and Air Are Cleaner

Measure 3: Publicly-Accessible Parks

- Increasing green space within the City can have numerous positive effects, including:
 - ✓ Environmental
 - ✓ Healthy Living
 - ✓ Economy and Jobs
 - ✓ Quality of Life
- In order to achieve the City's target of 75% of residents within a 10-minute walk of a park by 2015, the City and its partners will develop an additional **500 acres** of publicly-accessible open space.
- Since 2008, approximately **100 acres** have been completed or are currently underway to being completed
- **104 additional acres** have been identified for greening opportunities in the future (2011-2014)

Strategies for further development include:

1. Develop new parks using targeted criteria
2. Transform existing assets, including recreation centers and schoolyards, into green space
3. Work with partners to achieve additional green space

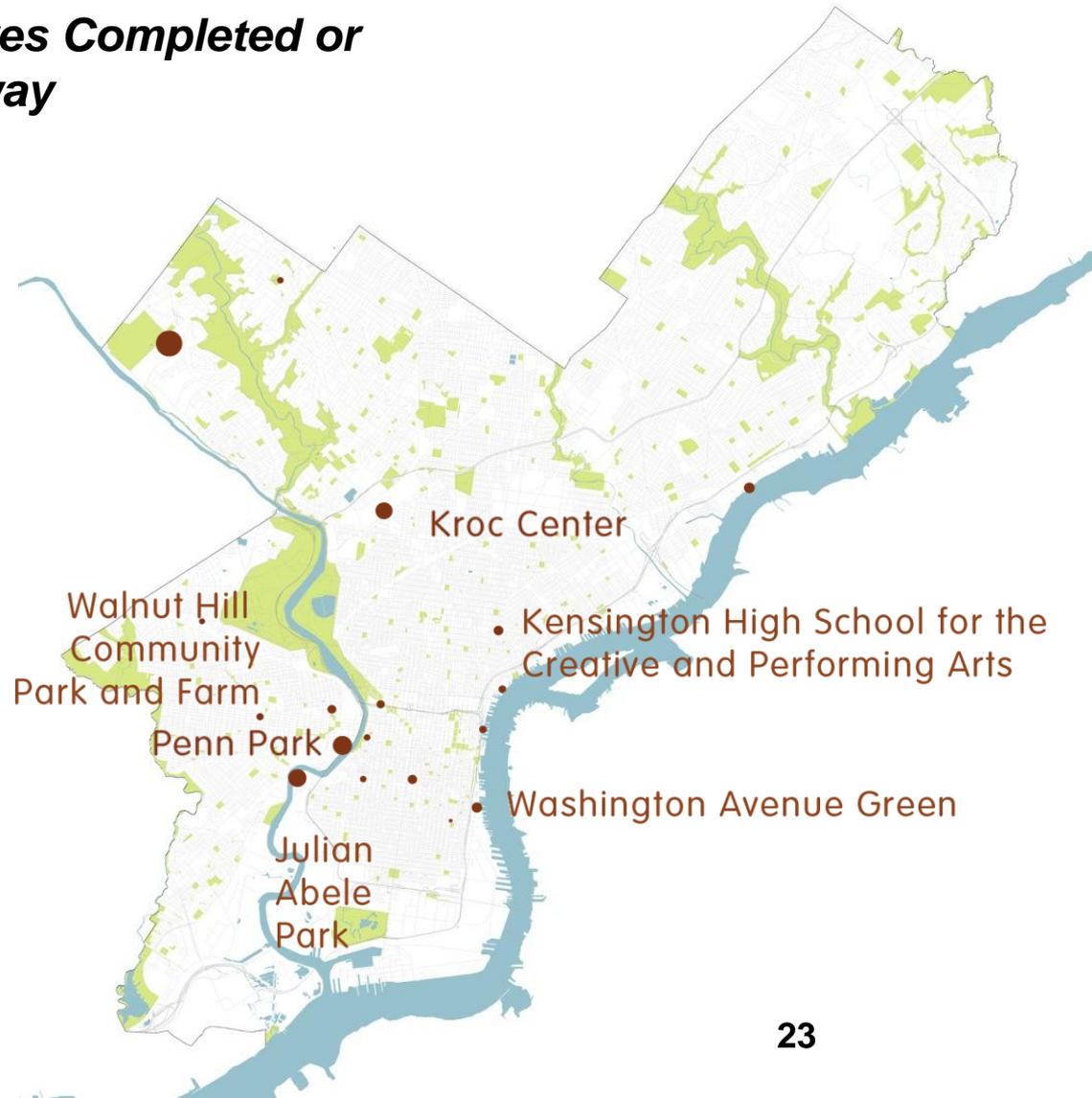
Outcome 1

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Examples of Measure 3



100 Acres Completed or Underway



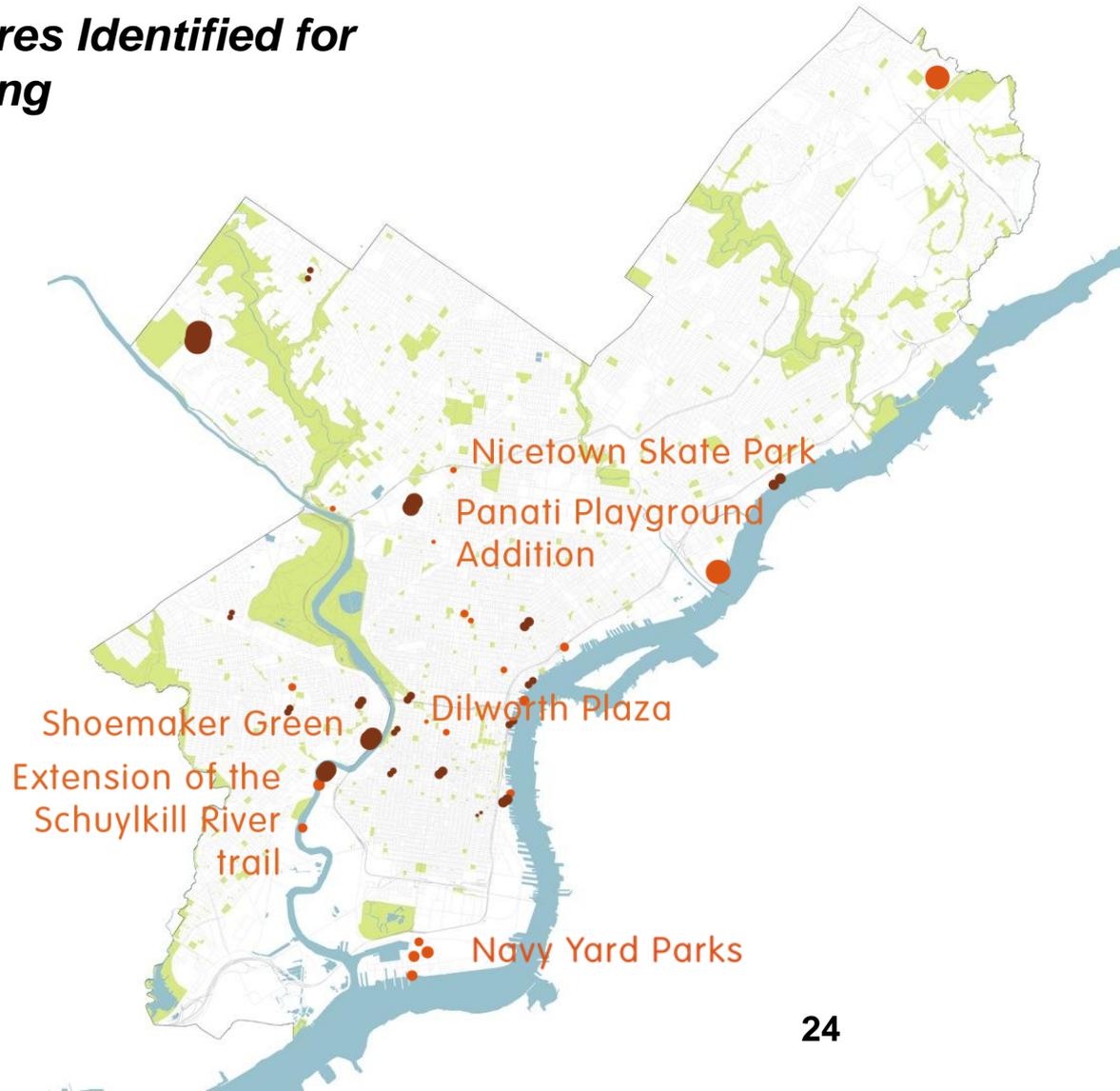
Outcome 1

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Examples of Measure 3



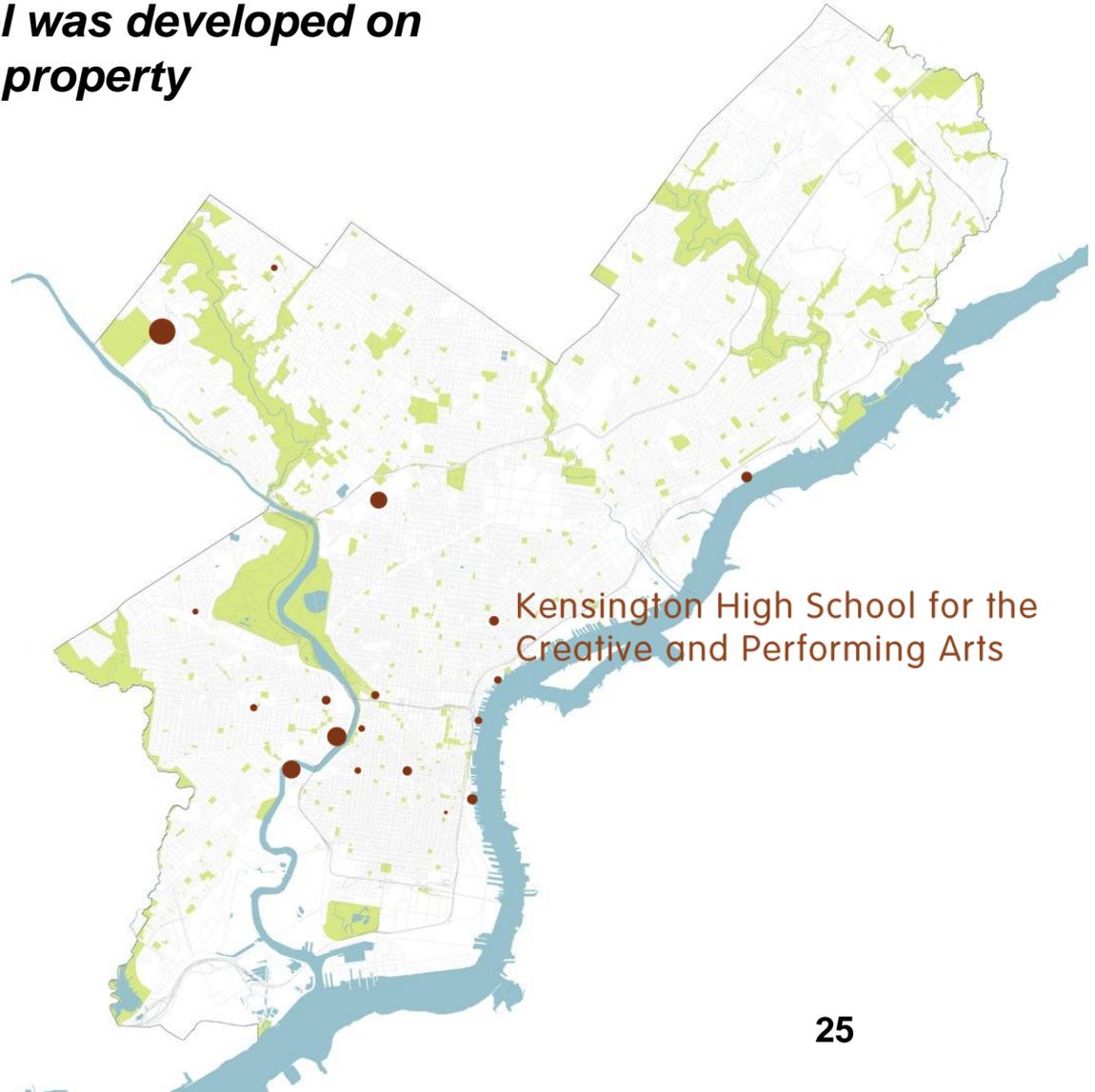
105 Acres Identified for Greening



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Examples of Measure 3

Kensington High School was developed on existing School District property



Outcome 1

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Examples of Measure 3

Shissler was developed with approximately \$950,000 in leveraged capital funds

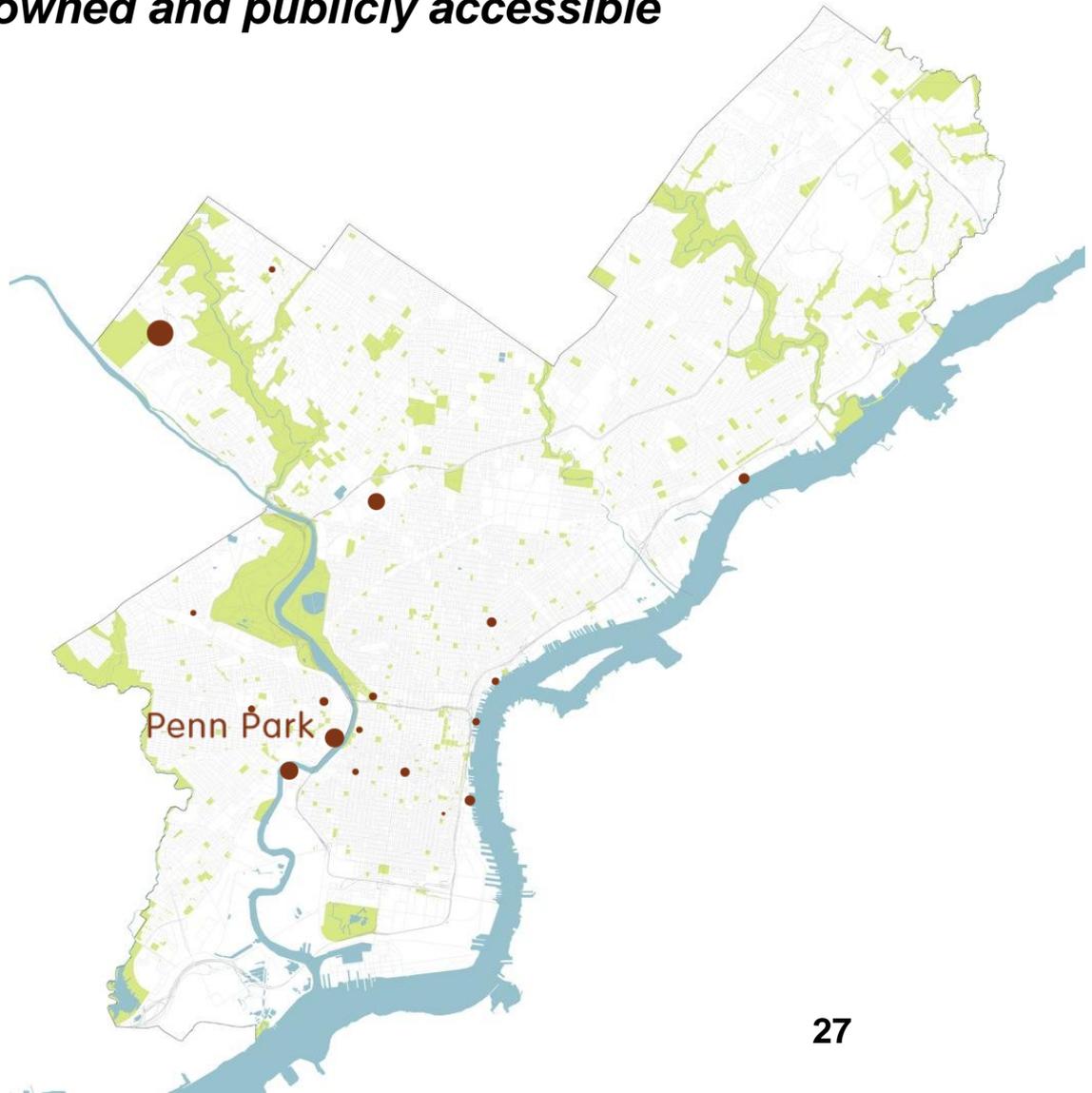


Outcome 1

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Examples of Measure 3

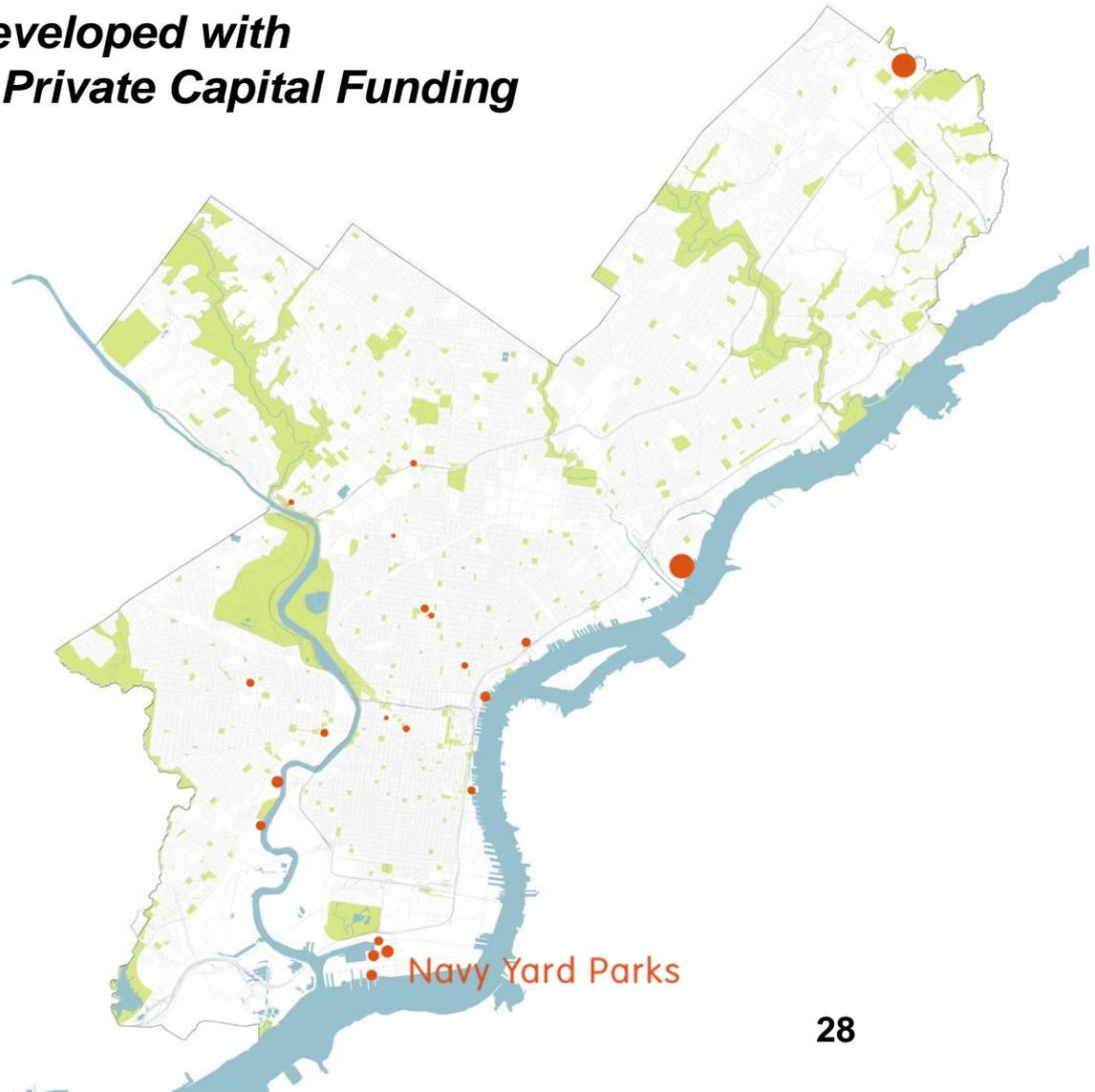
Penn Park is privately owned and publicly accessible



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Examples of Measure 3

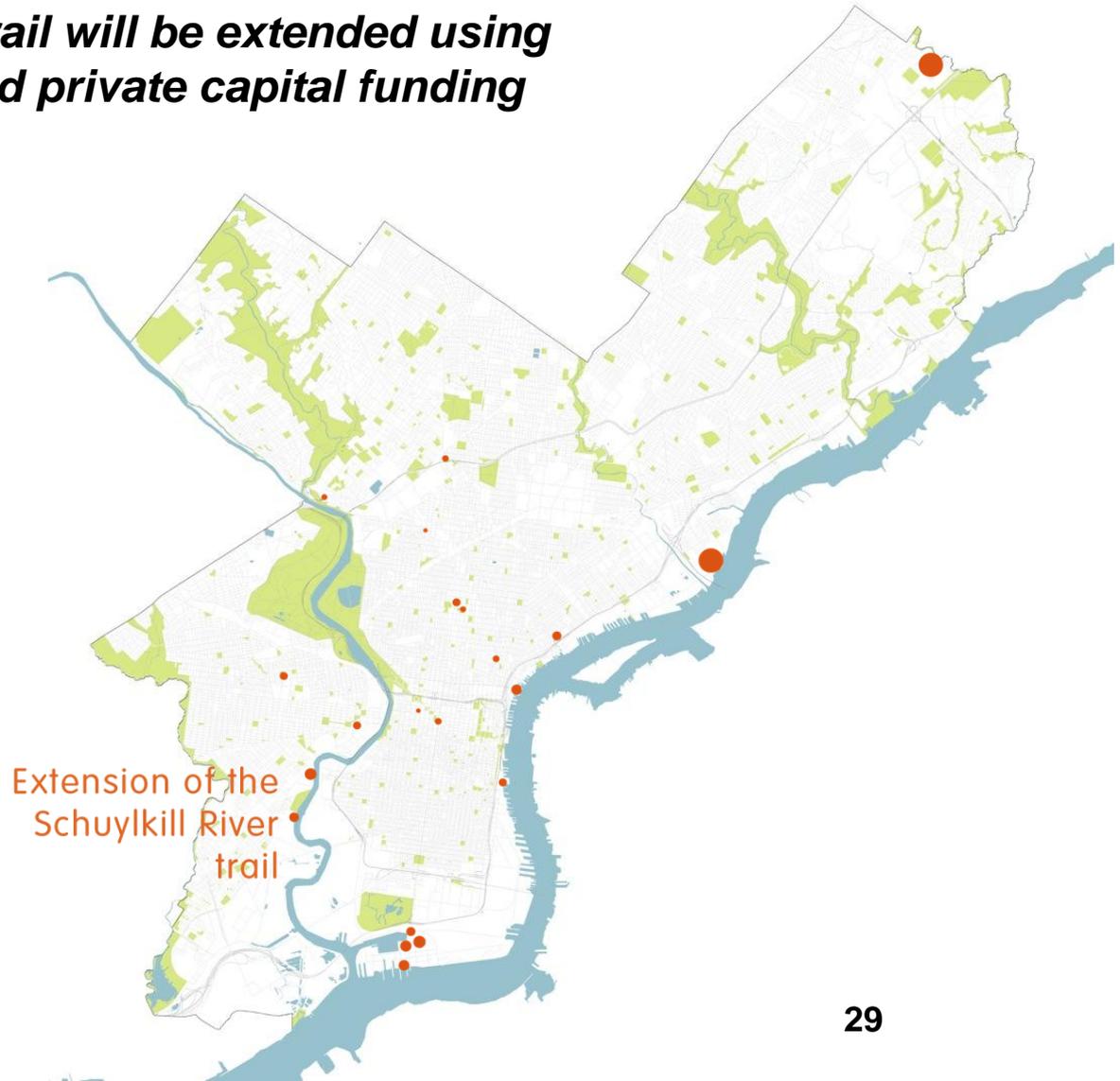
The Navy Yard Parks: Developed with Federal, State, City, and Private Capital Funding



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Examples of Measure 3

The Schuylkill River Trail will be extended using Federal, State, City, and private capital funding



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Examples of Measure 3

Hank Gathers:

- approximately \$46,000 in private and state funding, as well as volunteer work for tree plantings, clean up, and landscaping



Our Water and Air Are Cleaner

Measure 4: The Number of Publicly-Accessible Gardens in Philadelphia

How Are We Developing These Gardens?

- Meeting the target set for public gardens is challenging, but Parks and Recreation is working in conjunction with the Health Department, the Zoning Commission, and the City Planning Commission to increase opportunities for community gardens on Parks and Recreation sites.
- Greenworks Philadelphia has provided targets for development to help reach the goal of greater accessibility:

| Greenworks Target: | Target Deadline: |
|----------------------------------|-------------------------|
| 59 Food-Producing Gardens | 2015 |
| 12 Farms | 2015 |
| 15 Farmers' Markets | 2015 |

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Measure 4: The Number of Publicly-Accessible Gardens in Philadelphia

- There are currently **approximately 25 Parks and Recreation sites** hosting community gardens/farming projects
- These sites are operated in coordination with non-profits and various community groups and offer youth development opportunities
- Parks and Recreation is reviewing its existing land to determine sites for additional opportunities and intends to **pilot 8-10 new community gardens/farm training sites**, each approximately 30'x40'
- This pilot could potentially be expanded to include the design of any engagement/programming effort to promote healthy behaviors and connect children, youth, and families to gardening/the outdoors

Outcome 1

Our Water and Air Are Cleaner

Measure 4: The Number of Publicly-Accessible Gardens in Philadelphia



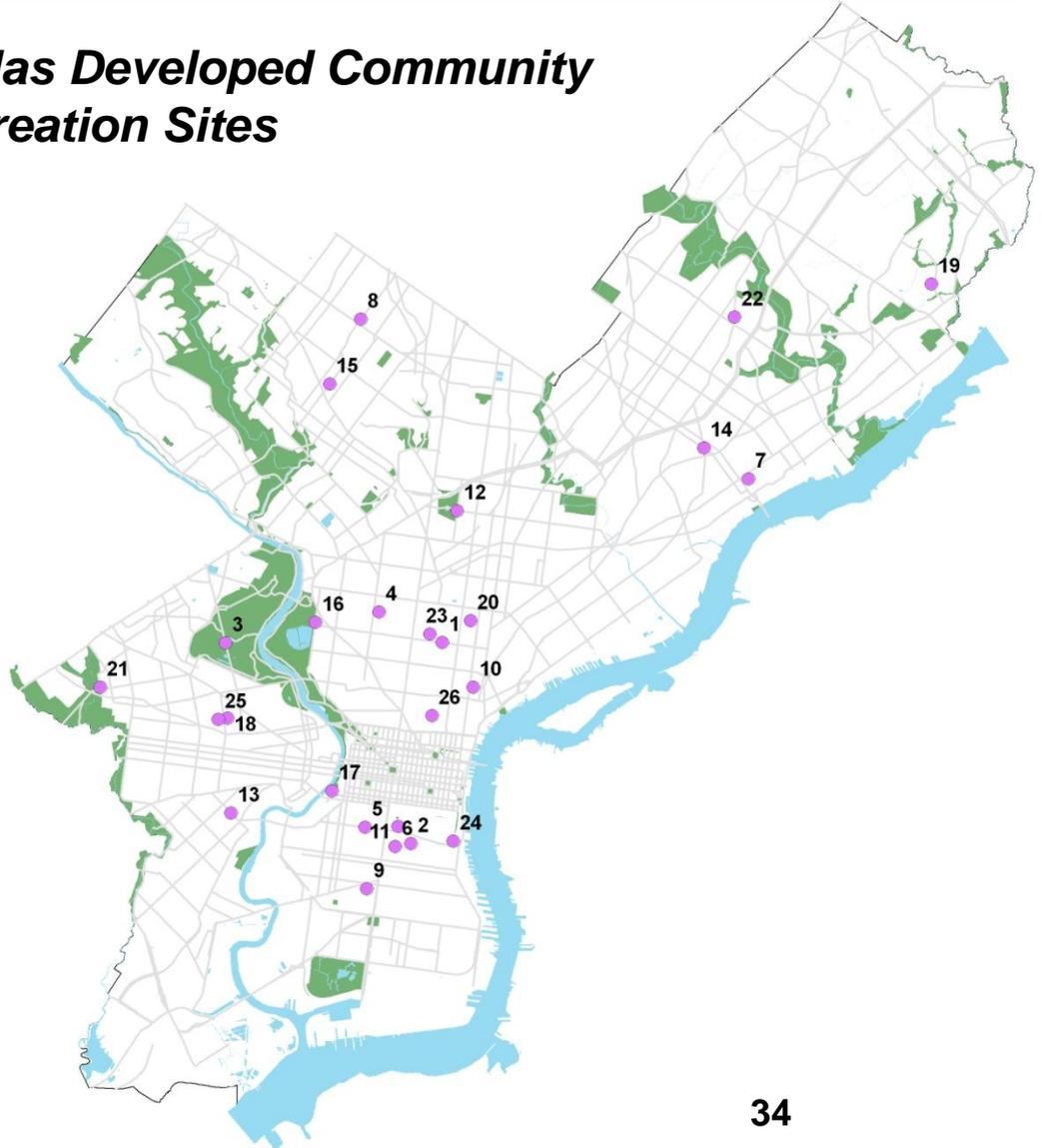
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Examples of Measure 4

Locations Where the City Has Developed Community Gardens on Parks and Recreation Sites

Examples:

| Rec Center | Detail |
|---------------------|---|
| 8th & Diamond | 4H programs - 13 & under |
| Carousel House | Teens 4 Good - high school age |
| Finley | Recreation staff-- youth 6-10 year olds planting vegetables |
| Kingssessing | Earth Keepers youth apprentices |
| Peblano/ Rhawnhurst | after school children community garden |



Our Water and Air Are Cleaner

Strategies for Measure 4

- The Philadelphia Food Policy Advisory Council facilitates the development of responsible policies that improve access for Philadelphia residents to culturally appropriate, nutritionally sound, and affordable food that is grown in the Philadelphia region through environmentally sustainable practices.
- The PFCA has issued the following recommendations regarding the development of public gardens:
 1. Leverage vacant land
 2. Create a local food system work force strategy to grow green jobs
 3. Integrate anti-hunger efforts into food and urban agriculture goals

Goal 4

Key Takeaways

- The City of Philadelphia plans to improve stormwater management through an innovative and cost-effective method of green infrastructure development
- Using this strategy, the City believes it is on track to meet its goal for 2012
- In addition, the City will expand the amount of publicly-accessible green space, as well as the number of community gardens and healthy options, using a combination of public and private funding
- 100 acres of publicly accessible parks and recreation spaces have been developed since 2008 and 105 additional acres have been identified for development
- Many of the examples outlined in this presentation highlight the collaborative effort of City departments, as well as the shared benefits of creating more green space and green infrastructure in our City