



Infrastructure Action Team Meeting #5

Waste and Recycling

Stormwater

City Planning - Kara Smith, Sarah Yeager, Flore Marion

Green Building Alliance – Megan Zeigler

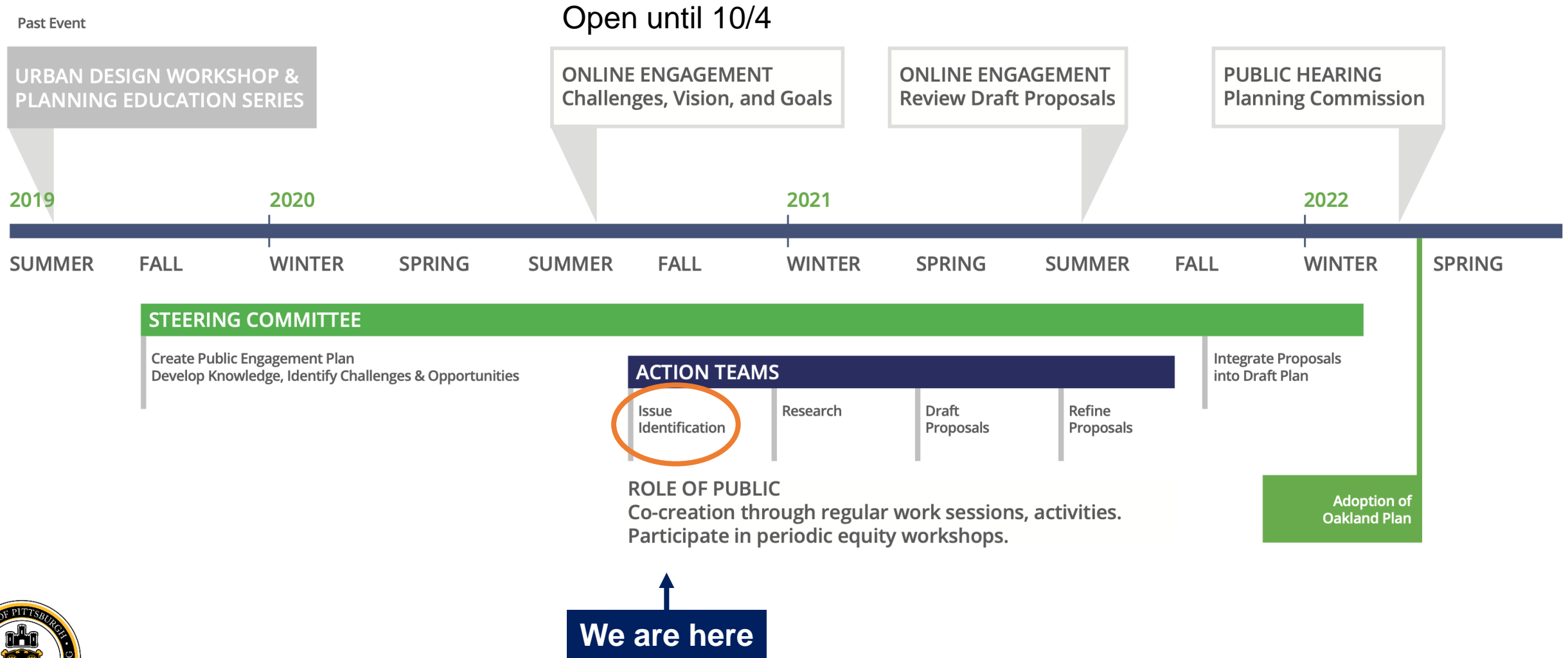
February 10, 2021

Tonight's Agenda

- Brief welcome, intro, and review of highlights from last meeting
- Engage PGH Comments
- Waste and Recycling Presentation
- Breakout Discussion: Waste and Recycling
- Stormwater Presentation
- Breakout Group Discussion: Stormwater
- Regroup and review
- Wrap up – next meeting



Planning Process



Our Expectations for Your Behavior

Action Team members are expected to participate in good faith. The following rules of behavior apply to all members:

1. Prepare for and attend all meetings;
2. Participate fully and honestly, commenting constructively;
3. Treat fellow members with respect, particularly when there are differences of opinion;
4. Allow others to say what they believe is true without fear of reprisal;
5. Abide by the rule that only one person can talk at a time; and
6. Only represent your views when speaking with others about the planning process.

Those who routinely break these rules will no longer receive invites to meetings and will be removed from mailing lists.



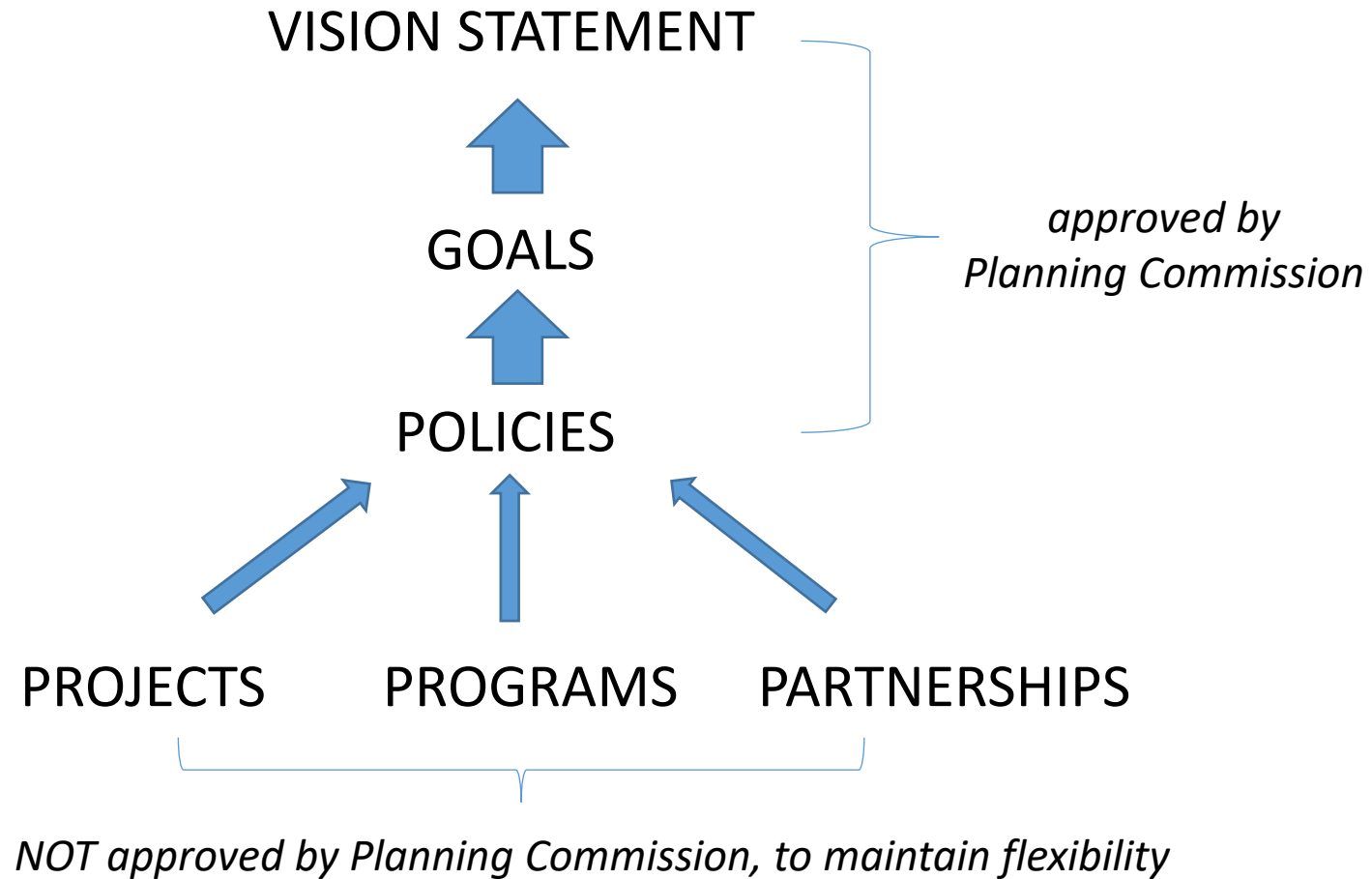
Role of the Action Teams

- Meeting regularly by Zoom to identify issues and opportunities, gather information, and develop proposals.
- Conducting engagements with the broader community (online for now) to inform our work and share our ideas.
- Developing draft proposals including what, who, and how.
- Presenting our ideas back to the Steering Committee to get their input and understand where two Action Teams should work together on a topic.
- Refine our proposals based on input from the general public and the Steering Committee. Create a table called an Implementation Matrix.



Neighborhood Plan Guide: <https://pittsburghpa.gov/dcp/neighborhood-planning-guide>

Plan Framework



Neighborhood Plan Guide: <https://pittsburghpa.gov/dcp/neighborhood-planning-guide>

Topics for the Infrastructure Action Team

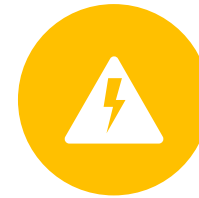
REQUIRED TOPICS:



Stormwater



Parks and Open Space



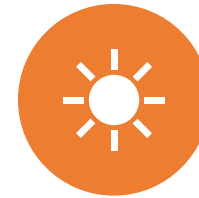
Energy and Utilities



Waste and Recycling



Tree Canopy and Habitat Restoration



Climate Adaption

OPTIONAL TOPICS:



Urban Agriculture



Digital Network



Air Quality





Waste and Recycling



ZERO WASTE

A ROADMAP FOR PITTSBURGH

AFTYN GILES – SR. SUSTAINABILITY COORDINATOR



CURRENT WASTE SITUATION IN PITTSBURGH

- The DPW-ES team currently services residences 5 units and less city-wide
 - Weekly trash pickup (includes 2 bulk items per week)
 - Biweekly recycling pickup
 - Twice annual yard waste pickup

- 2030 Goals
 - 100% renewable energy use
 - 50% building energy use reduction
 - 50% water use reduction
 - 100% fossil fuel free fleet
 - **100% waste diversion**
 - 50% transportation emissions reduction
 - Divestment strategy



FOOD SHOULD NOT BE WASTE

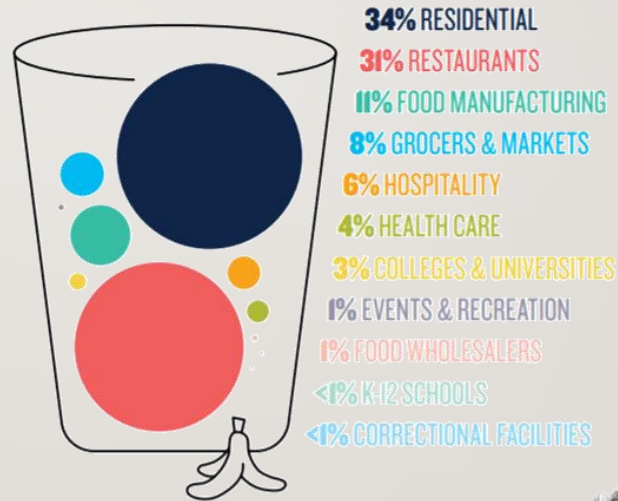
PITTSBURGH BREAKDOWN

External

- 89k Tons of Food Waste in Pittsburgh
- Food waste contributes to about 8% of our greenhouse gas emissions

Internal

- The City serves over 200k meals per year to vulnerable residents of which 20% is estimated to become food waste.
- CCB Waste Audit: 28% mixed paper, 7% food scraps, and 9% paper towels.



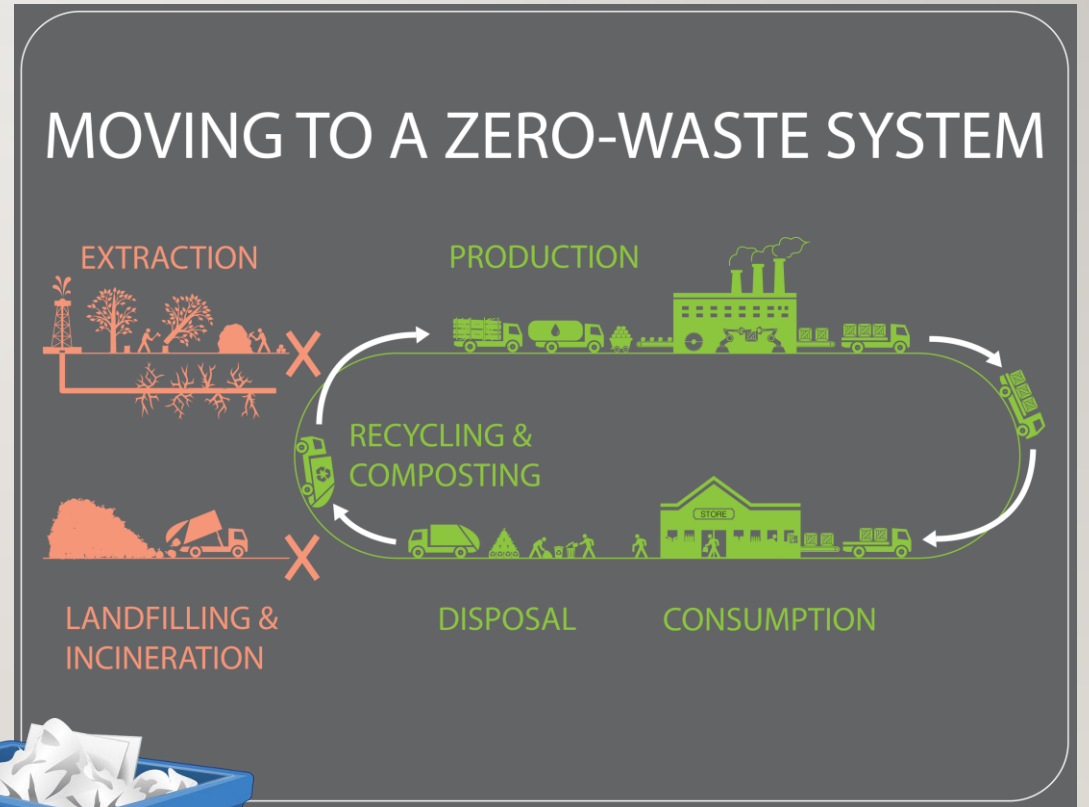
ALTERNATIVES

- Surplus recovery
- Compost
- Feedstock
- Fuel/ energy
- CitiParks donated 1,190 meals to 412 Food Rescue in 2019



ROADMAP TO ZERO

- Climate Action Plans
 - Eliminate landfill emissions by 2030
 - Reduce consumption by 20% by 2030
 - Reduce landfill waste by 90% by 2030
 - Increase reuse by 100% by 2030
 - Increase recycling by 200% by 2030
 - Divert 90% of organic waste by 2030
 - Divert 90% of privately collected waste by 2030

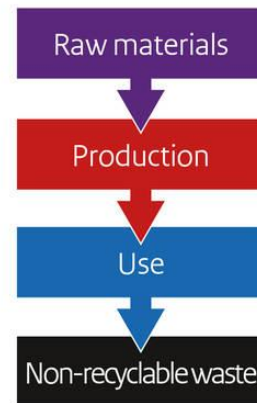


THE ULTIMATE GOAL

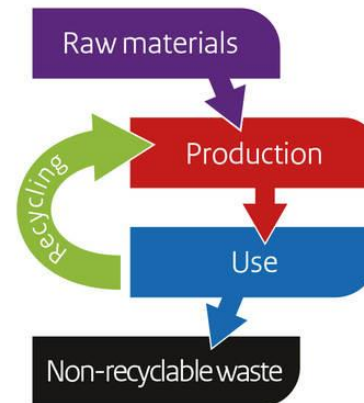
Move to a Circular economy

From a linear to a circular economy

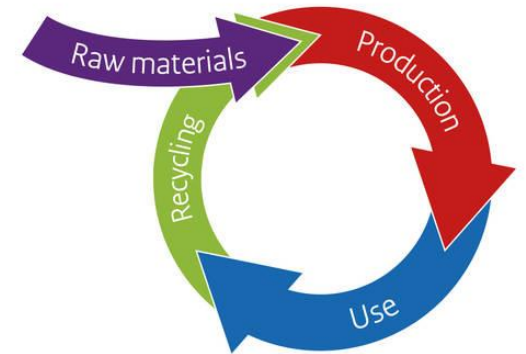
Linear economy



Reuse economy



Circular economy



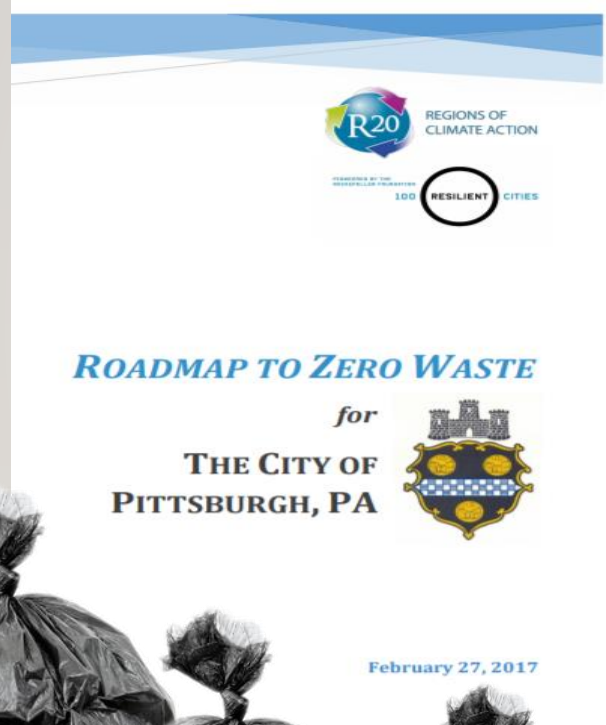
CURRENT ACTIONS

We have more waste projects underway than ever before

- Community Composting pilot
 - Farmers' markets
 - CitiParks
- **Bag free by 2023 – The BINS are coming 115 k households**
- Zero Waste Special Events
- *Waste to Energy pilot
- Milan Urban Food Policy Pact



PLAN TO IMPROVE RECYCLING



- ALCOA & Roadmap Key Recommendations

- Looks at expanding the original Northside pilot to a city-wide bin program
- Strong focus on education by Tailoring messages to audiences
 - Recycling Champions- detailed info on harder to recycle items
 - Greenish- give glimpse of process to encourage recycling
 - Non-Recyclers- leverage recycling champions, explain basics of recycling and how to access

BAG FREE BY 2023

PLANS

- Finalize plan for tracking city-wide monthly waste and curbside recycling tonnage data
- Container bid and award
- First phase routes identified and address list building underway
- Work with 311 and determine internal talking points for citizen calls
- All individual collateral elements designed, reviewed and finalized
- Finalize Containers are Coming mailer and Info-Packet items:
- Finalize plan for how “Containers are Coming” cards will be mailed
- Distribution to first 5,000 residents
- Update Recycling Legislation

BLUE BINS ARE IN!

CARTS ARRIVE
AUGUST 2019

TO LEARN MORE,
[pittsburghpa.gov/dpw/
residential-recycling](http://pittsburghpa.gov/dpw/residential-recycling)
or call **412-255-2621**.

Meet your new
recycling cart,
Pittsburgh.



ZERO WASTE PROJECTS & GRANTS

CIVIC U

Training and Education campaign to lend transparency to civic and City processes

- Recycling
- Green Infrastructure
- Electric Vehicles
- Urban Agriculture

USDA & EPA GRANTS

- USDA Community Composting
 - Eliminate food scraps and yard waste using aerobic in vessel composter, traditional on site composter, and compost vendors
- EPA Waste to Energy
 - Anaerobic digester to transition organic matter into energy



CURRENT CHALLENGES

- Time and staffing constraints in all departments.
- DPW-ES and S+R are two separate divisions in different departments with different priorities.
- Lack of enforcement generally throughout the city.
- No funding allocated- trash and recycling is rolled into property taxes. We've been limited by budget funding for bins and equipment improvements.
- Implementation stalls due to resources
- Market driven shortfalls in terms of demand, reuse options and clean supply



ONE MONSTER'S TRASH...

Aftyn Giles – Sr. Sustainability Coordinator

Aftyn.giles@pittsburghpa.gov

412-255-2254



Breakout Group Discussion Directions

- Breakout Group Discussion: 20 MINS for Waste and Recycling
- Identify issues and opportunities
- What additional information is needed and how might we get it?
 - (e.g. surveys, tours, collect new data, best practices research, other engagement activities)
- Think about different areas: e.g. residential, business districts, institutions, etc.
- Remember this is only the first part of a conversation you will return to as you learn more about it and start to think about potential policies, projects, programs, and partnerships. It's fine to have more questions than answers at this point.





Stormwater

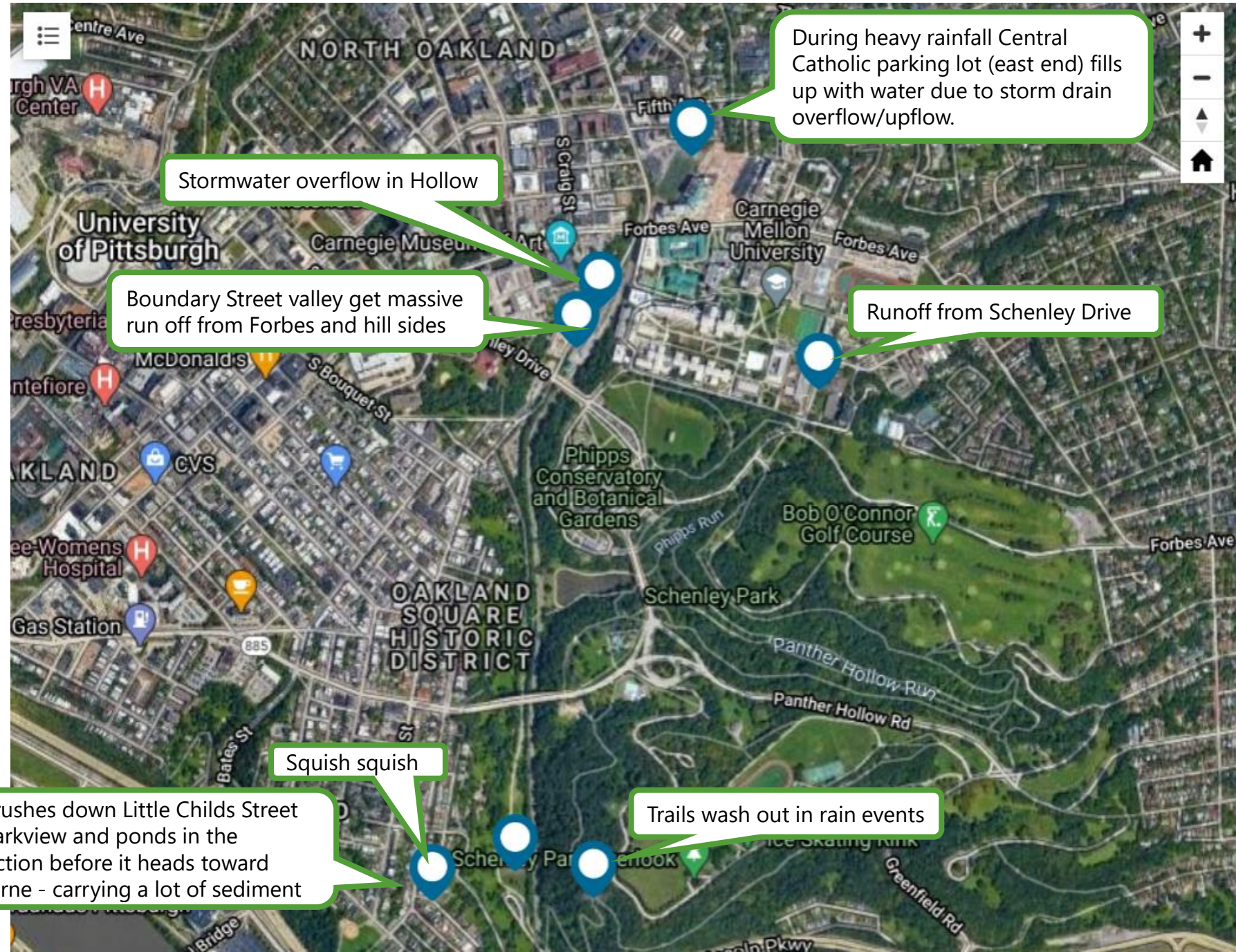


EngagePGH: Relevant Vision Statements

Green Infrastructure, Clean Neighborhoods: First and foremost, there needs to be better cooperation with the environment. This can be done in ways that benefits businesses, residents, and visitors, such as using solar panels, green infrastructure (like green roofs, rooftop greenhouses, etc.), more trees, and so on.

Trash and litter are a huge issue as well that needs to be addressed. Oakland has the opportunity to become clean, green, lean, and ready for the future. Let's get there!

EngagePGH: Stormwater Management Concern Areas



Oakland 2025 Master Plan

Complete and Living Streets Adoption

Complete/Living Streets Emerging best practices in transportation design increasingly emphasize the related concepts of “complete” and “living” streets. Complete streets are designed to safely accommodate all modes of transportation including pedestrians, bicyclists, motorists and transit riders of all ages and abilities. In addition to safely accommodating all modes of transportation,

a living street also typically includes green infrastructure to manage and treat stormwater, street trees and understory landscaping

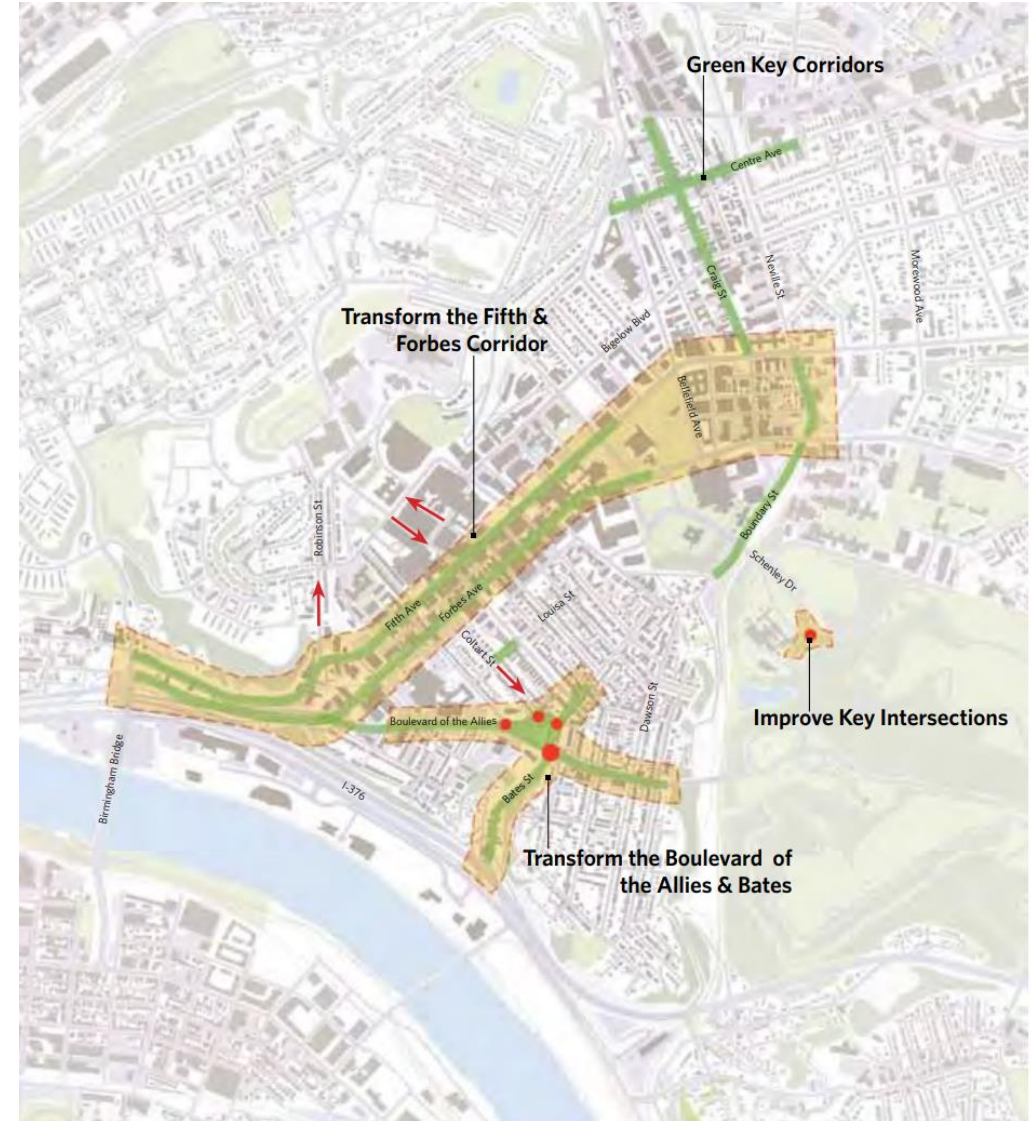
Living Street Goals pertaining to stormwater:

- Reduce the total amount of paved area
- Reduce water runoff from streets into watersheds
- Maximize infiltration and reuse of stormwater Street water runoff is reduced
- Water quality in rivers and the ocean improves

Oakland 2025 Master Plan

Green Key Corridors

Green Key Corridors Coordinated street tree planting and new ornamental planting should be implemented on key corridors in the neighborhood including, but not limited to those discussed above. **Best management practices for stormwater management should be integrated into new streetscape planting designs.**





Oakland Infrastructure Monthly Action Team Meeting

PWSA's Stormwater Program Overview

February 10, 2021



Introductions

PWSA's Stormwater Program Overview

Stormwater Management

- Flooding and Level of Service

Control of CSOs/SSOs

- Overview of PWSA's GI Program

PWSA's Stormwater Master Planning Process

Overview of GI projects in Oakland and Timelines

- Lawn and Ophelia
- Four Mile Run

Stormwater Fee Update and Timeline

Report stormwater problems to PWSA

- Basement backups and flooding
- Contact PWSA Dispatch 412-255-2423, Press 1 to report an emergency

Questions



Thank you

For questions or comments, please
contact Tony Igwe, Senior Group
Manager, Stormwater
Tigwe@pgh2o.com



Stormwater Code Update

Overview

- PWSA & DCP are working on a joint stormwater code update project with broad agency and stakeholder involvement.
- Known as 'SCORU' - Stormwater Code & Ordinance Review and Update - <https://engage.pittsburghpa.gov/stormwater-code>
- This update follows the Act 167-mandated code update adopted in 2019 for compliance with State and County Act 167 Model Ordinance.
- AKRF has been the prime consultant on this project. They have expertise working on SWM code updates in numerous municipalities in PA and elsewhere.



PAGES



DASHBOARD

Stormwater Code & Ordinance Review and Update

The Pittsburgh Water and Sewer Authority and Department of City Planning are working together to update stormwater code and review processes.

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Stormwater Code & Ordinance Review and Update (SCORU)

About The Stormwater Management Code Update Process:

Together, the Department of City Planning and [Pittsburgh Water and Sewer Authority \(PWSA\)](#) are leading a process to update City ordinances and create a unified City Stormwater Management Code, alongside a consultant team led by [AKRF](#). The process will include technical analysis, stakeholder engagement, and expertise to review and evaluate all applicable regulatory and municipal stormwater policies, processes, and codes for consolidation and improvement options across agencies. The goal is to develop an implementable revised Code, supporting policy and process recommendations, and guidance materials aligning with other important City initiatives regarding green stormwater infrastructure, complete streets, and resiliency. Another goal is to clarify development requirements and make the [stormwater review and approval processes](#) easier and more efficient for applicants.

The project is broken into tasks as follows:

- Task 1: Technical Analysis
- Task 2: Creation of Unified Stormwater Code
- Task 3: Process Improvement Recommendations for Stormwater Plan Reviews, Permitting, and Enforcement
- Task 4: Internal Policy Updates
- Task 5: Outreach and Stakeholder Coordination

These updates will help to better meet the stormwater management demands posed by increasing urban development and increasing rainfall. Good stormwater management is necessary to ensure the health and safety of citizens as well as stable environmental and economic conditions via improved water quality, reduced flooding, and improved infrastructure.

Who's Listening?



James Stitt

Pittsburgh Water & Sewer Authority

Project Manager / Sustainability Manager

[Email](#)

Kara Smith, PLA

Department of City Planning

Project Manager / Environmental Planner

[Email](#)

Project Timeline



Phase 1 - Kick-off, Intake, & Ramp-up

Spring - Summer 2020

Stormwater Code Update

Project Objectives

- Update City Stormwater Management Code (Title 13)
 - Consolidate stormwater related content scattered throughout City Code
 - Eliminate conflicts and overlap
 - Align development requirements with City/PWSA goals and objectives including regulatory compliance goals
- Develop New Technical Resources for Stormwater
 - Stormwater Design Manual
 - Updates to PWSA Developer Manual
- Provide Process Improvement Recommendations and Cost Evaluation
 - Stormwater Plan Review, Inspection, and Enforcement
 - Other stormwater-related roles and responsibilities between agencies

Stormwater Code Update

Project Status

- Currently we are refining recommendations for code revisions based on agency and stakeholder feedback, and soon will be drafting code revisions.
- The Code revisions are based on 5 policy memos grouping the recommendations into the following categories:
 - Process improvements
 - Technical changes
 - Alternative compliance, trading, equity, and incentives
 - Inspection & Enforcement
 - Geographically varying SWM requirements to address flooding

Stormwater Code Update

Recommended Improvement Topics

Process improvements

- Two-step approval process
- Plumbing permit
- Land Operations permit
- Small project stormwater review

Technical changes

- Filtration in separate sewer areas
- Sanitary sewer inflow
- Climate change
- Pretreatment
- Non-sewer/ROW discharge/landslides
- Infiltration testing & soil characterization
- Technical infeasibility criteria

Alternative compliance, trading, equity, and incentives

- In-lieu fee compliance
- Waivers: reduced tap-in fees & review times
- Same owner rate control offsets
- Same owner volume trading
- Innovation track
- Rate & volume incentives
- Preferred technology incentives

Inspection & Enforcement

- Erosion & sediment control I&E
- Post-construction BMP I&E

Geographically varying SWM requirements

Stormwater Code Update

Anticipated Timeline

- Phases 1 (Kick-off), 2 (Analysis), 3 (Synthesis) all complete
- Phase 4 (Drafting of Code) - underway, to be complete in March
- Phase 5 (Process Enhancements and Guidance Material) underway
- Phase 6 (Rollout):
 - Planning Commission Review – May
 - City Council Hearing – June
 - City Council review and adoption – July
 - In line with time requirements for MS4 agreement with EPA
 - Timed to coincide with PWSA Stormwater Fee Implementation
- PWSA Rate Filing with PUC – March
- PWSA Rate Approval by PUC – January 2022

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