

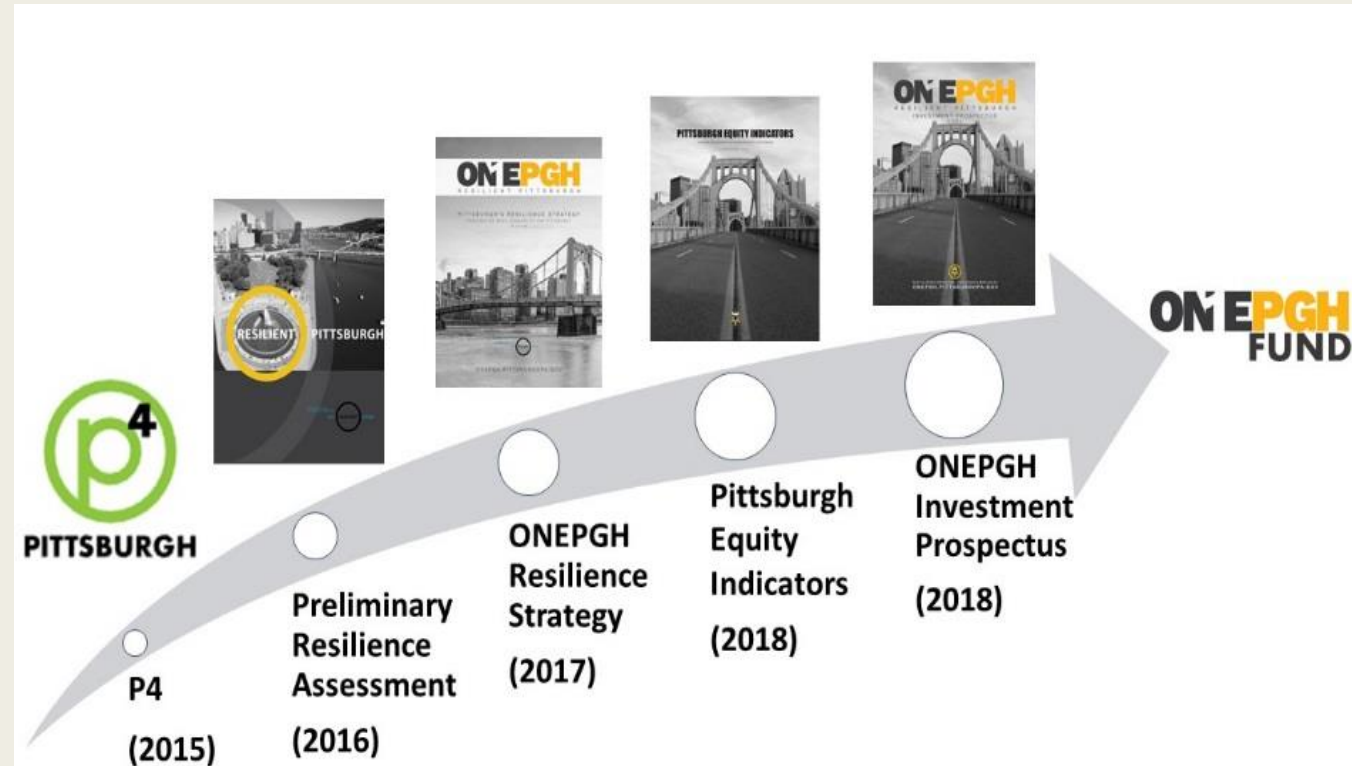
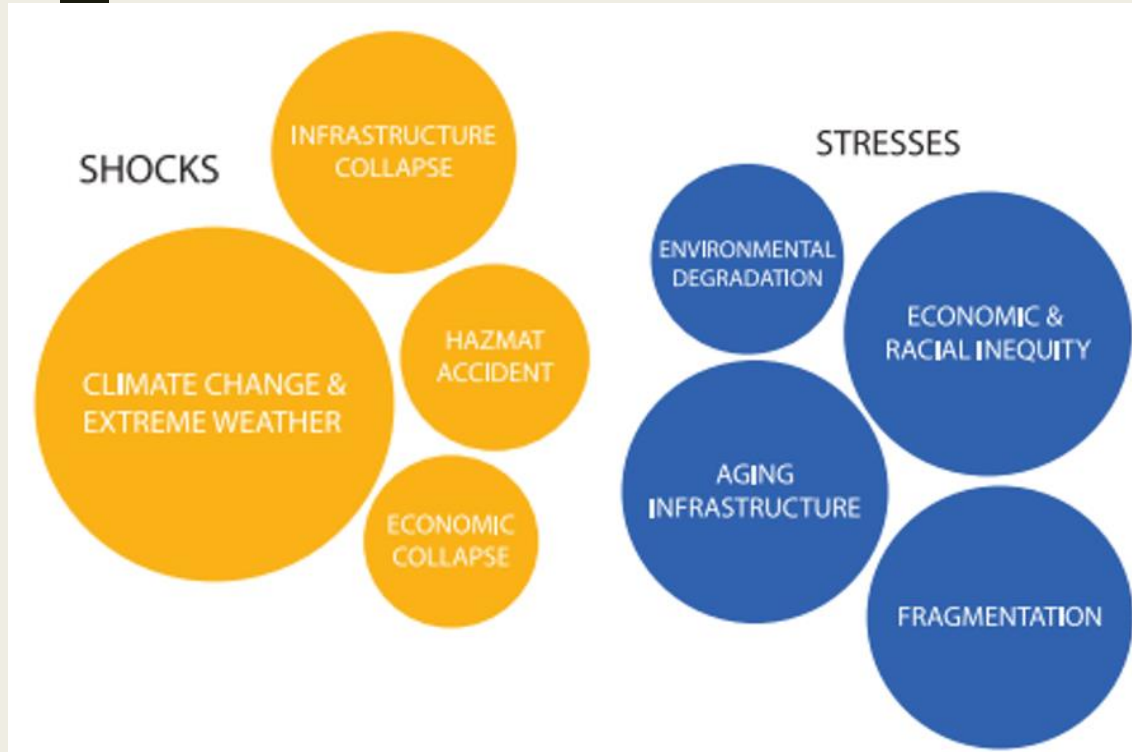


ONEPGH: PITTSBURGH'S PLANS TO BECOME A MORE RESILIENT CITY

Grant Ervin, Chief Resilience Officer
City of Pittsburgh



Resilience Strategy



Pittsburgh Climate Goals

2030 GOALS:

CITY OPERATIONS

100% renewable elect.

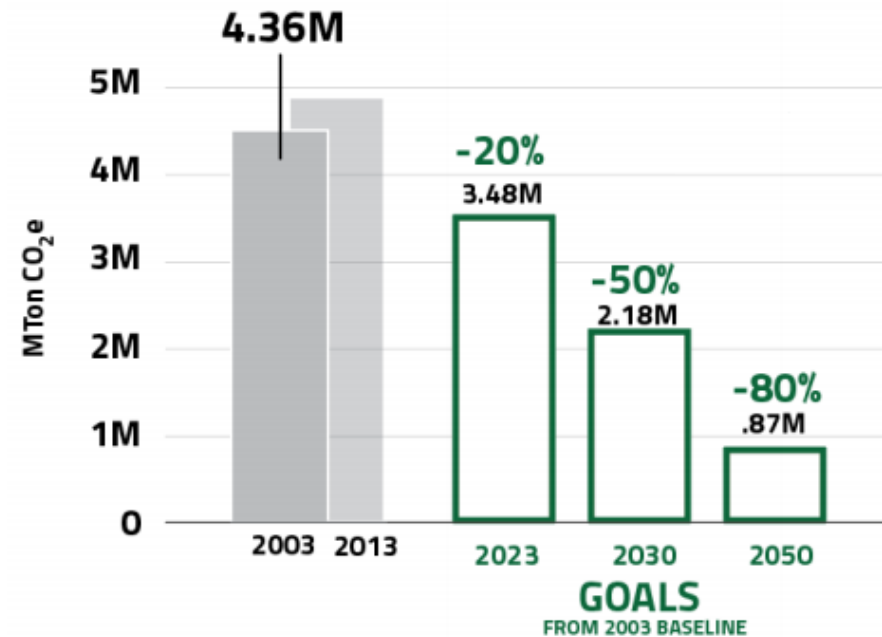
100% fossil fuel free fleet
Divestment of City pensions

CITY OF PITTSBURGH

50% energy & water use

50% transport emission
Zero waste

TOTAL EMISSION REDUCTIONS:



20% GHG Reduction by 2023
50% GHG Reduction by 2030
80% GHG Reduction by 2050

American Cities Climate Challenge

Objective

Emissions reduction targets

↓ **50%**
by 2030



100%
clean electricity

Strategies



LOWER ENERGY CONSUMPTION

by improving renewable financing options and energy efficiency codes



REDUCE EMISSIONS FROM TRANSPORTATION

by improving public transit and pedestrian conditions

Goals

Implement and prioritize district energy systems

Electric vehicle charging in municipally owned parking lots

Community solar projects or other local renewable energy initiatives at scale

New financing programs for energy efficiency, renewables, and infrastructure

Benchmarking, audit, and retro-commissioning (RCx) policies for existing buildings

Incentives and demonstration projects for building decarbonization with a focus on City facilities

Electrify city fleets and buses

Improve access to charging infrastructure and encourage private EV ownership

Implement high priority segments in the walking and bicycling network

Achieving climate and resilience goals through integrated planning

■ Citywide Plans

- Climate Action Plan
- OnePGH Resilience Plan
- Comprehensive Plan
- Citywide Green First
- EcoInnovation District Plan

EcoDistrict Protocol

3 IMPERATIVES:

Equity, Resilience, and Climate Protection

6 PRIORITIES:

Place, Prosperity, Health and Wellbeing, Connectivity, Living Infrastructure, and Resource Regeneration

3 IMPLEMENTATION PHASES:

Formation, Roadmap, and Performance

THE PROTOCOL IS DESIGNED TO INSPIRE COMMUNITY DEVELOPMENT THAT:

- Commits to Equity, Resilience, and Climate Protection.
- Supports multi-stakeholder collaboration and governance.
- Creates a comprehensive district-scale Roadmap guided by sustainability performance indicators.
- Reports progress with a commitment to transparency and knowledge sharing.



Implementation

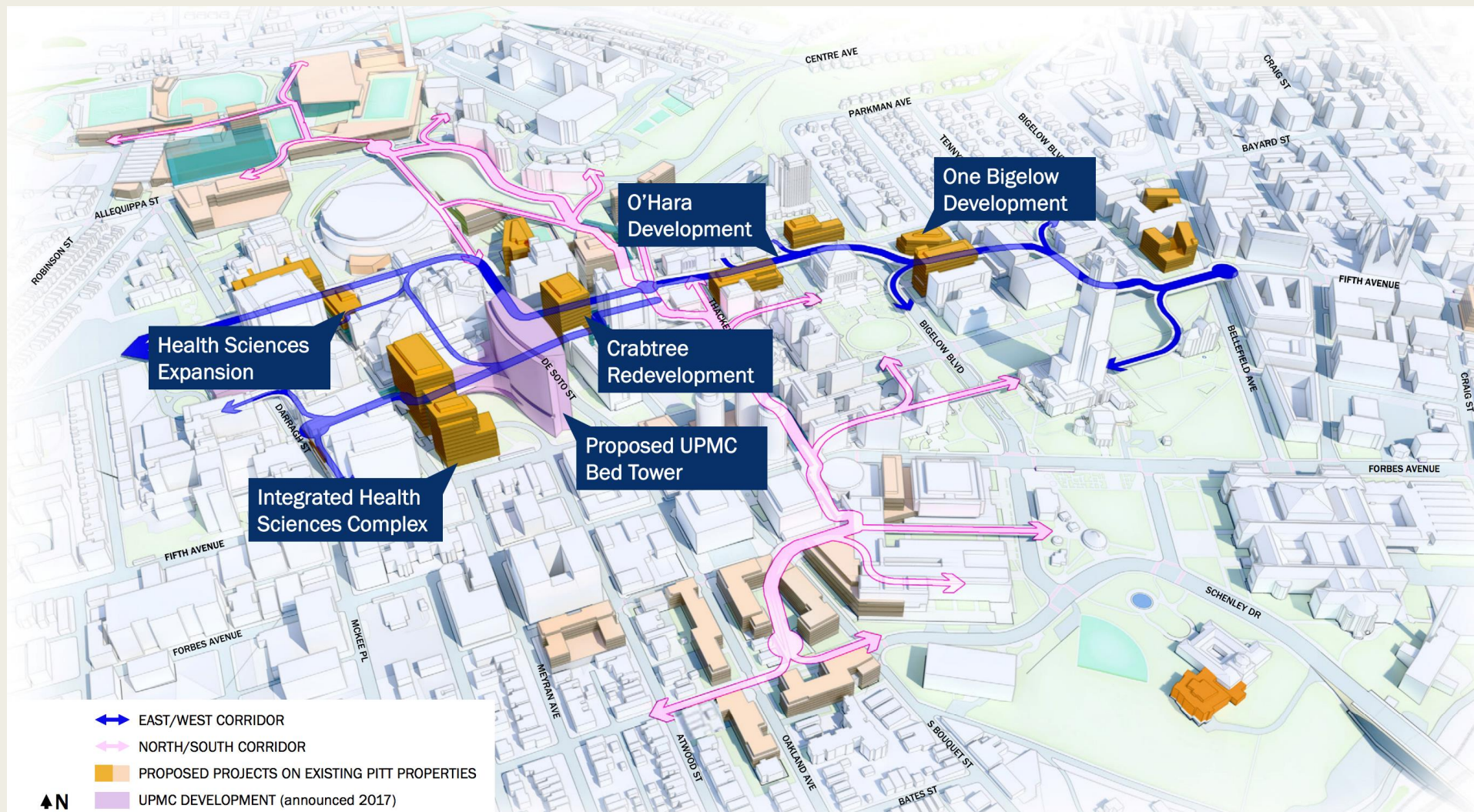
Buildings

- **New Land Use Regulations**
 - Uptown Public Realm
 - Riverfront Zoning
- **New Incentives**
 - Performance Points System
- **Collaboration / Consultation**
 - Performance Reviews
 - Master Plans

Infrastructure

- Bus Rapid Transit
- Green Infrastructure
- Public Realm and Open Space Planning
- Smart Systems
- District Energy and Micro-Grids

Master Plans and Institutional Master Plans



Source: University of Pittsburgh, 2018

Performance Reviews



Source: UPMC Vision Rehabilitation Hospital Hospital, 2018

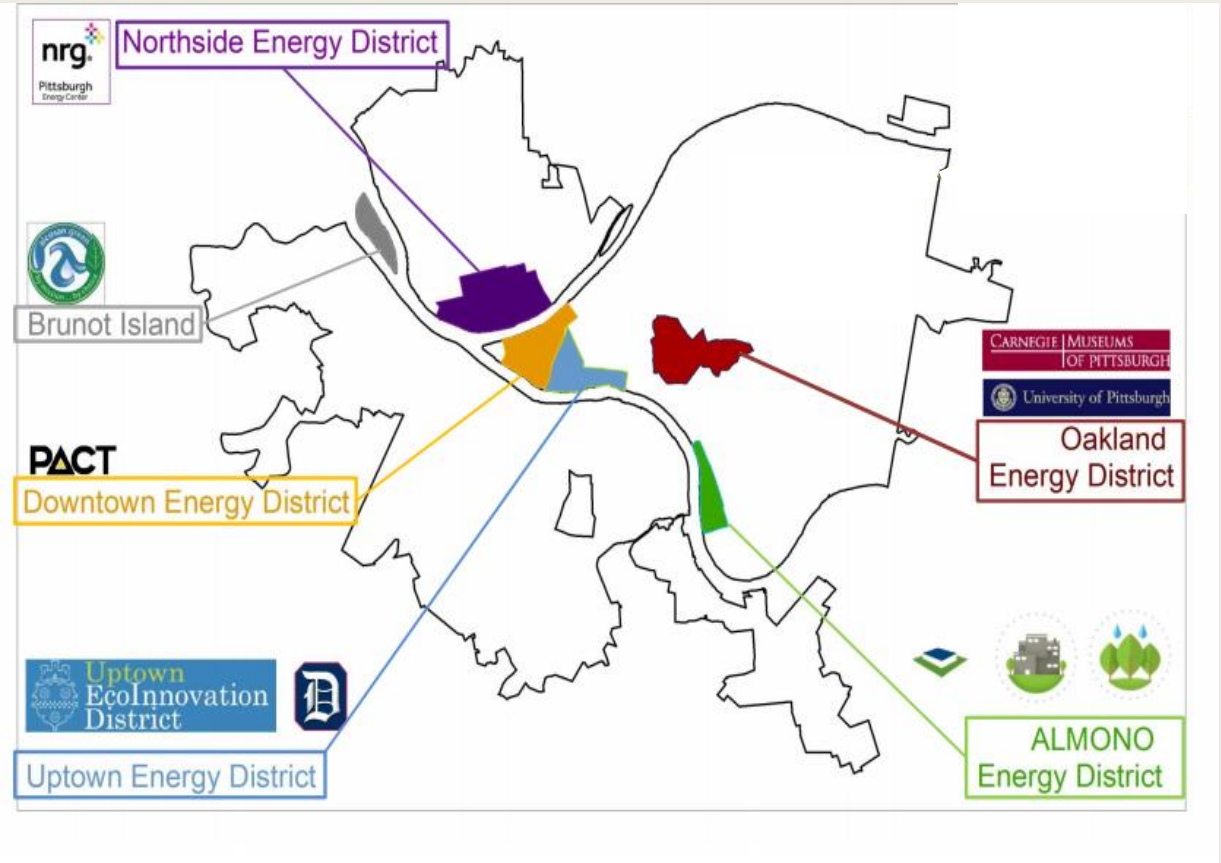
District Energy and Micro-Grids

■ Existing District Energy Systems

- PACT
- Northside
- Uptown
- Bellefield

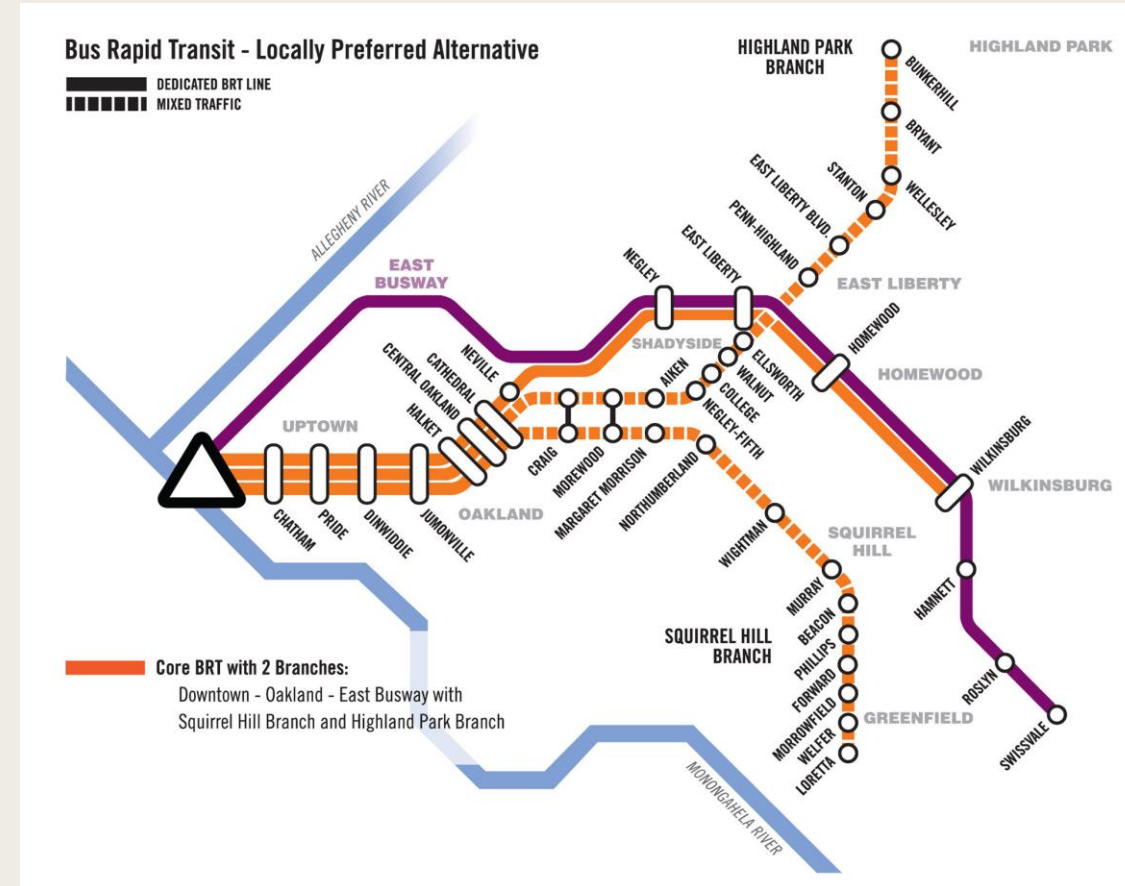
■ Potential New District Energy Plan

- 2nd Avenue
- 62nd Street
- SCI Site



Vehicle Electrification

- Bus Rapid Transit
- City fleet conversion
- Expanded charging infrastructure
- Integration of renewables with electric vehicles





Thank you!

