

# US Infrastructure Opportunities Snapshot Release Webinar

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28 October 2025



# Agenda

- Welcome & US Snapshot Overview from CDP
- Howden Group Holdings
- City of New Orleans
- City of Pittsburgh
- Coalition for Green Capital
- Discussion and Audience Q&A



# US Snapshot

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*Support for CDP's efforts for this webinar are funded by*

# Impact

CDP is a global non-profit that runs the world's only independent environmental disclosure system for companies, cities, states and regions.



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**640+**

investors, with  
US\$127+  
trillion of assets

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**270+**

purchasing  
organizations, with  
an annual spend  
of US\$6.4 trillion

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**24,800+**

disclosing  
companies

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**~1,000**

disclosing cities,  
states and regions

# Why this snapshot?

- CDP disclosure data from cities is collected annually. US Snapshot shows trends and needs
- Goal of Snapshot is to showcase and amplify cities' needs; ultimately to support cities climate-related efforts
- CDP's diverse network (state governments, financial institutions, companies, investors) critical to financing and funding



## US Infrastructure Opportunities Snapshot 2024

Filling the funding gap for cities

September 2025



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# \$40.8 Billion Funding Gap for US Cities

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484

climate projects disclosed in 2024



124

local governments across 34 states



US\$62.7 billion

in total value



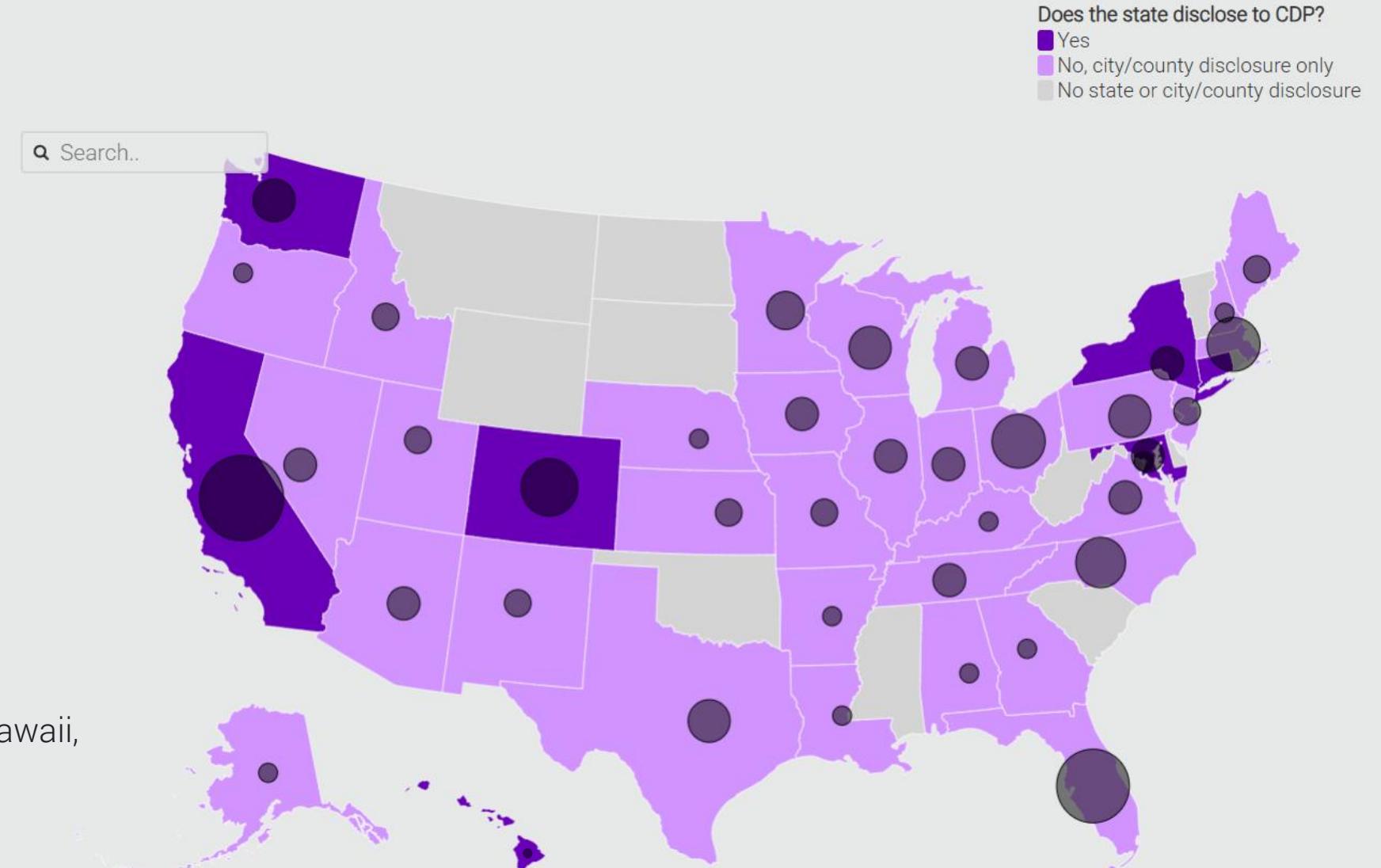
# US participants

**146** US local governments publicly disclosed in 2024 to CDP-ICLEI Track

**7** US states publicly disclosed in 2024

## 2024 State Participants

California, Colorado, Connecticut, Hawaii, Maryland, New York, Washington



# Physical Climate Risks are Universal



**98.6%**

of local US governments report already being significantly impacted by climate hazards in 2024.

**89%**

of local US governments expect these hazards to be more intense in the future.

Most widespread **climate hazards** according to US cities reporting in 2024:

- Extreme heat
- Urban flooding
- Drought
- Heavy precipitation
- Fire weather (risk of wildfires)

**Vulnerable groups** most exposed to climate hazards, according to US cities reporting in 2024:

- Low-income households
- The elderly
- Marginalized/ minority communities
- Children and youth
- Vulnerable health groups

# Cities are taking action

958

adaptation actions reported  
(an 8.6% increase from  
2023)

132

cities across 38 states that  
reported specific  
adaptation goals

1,272

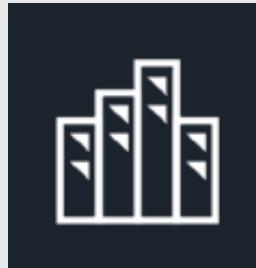
mitigation actions reported

484

projects reported

93%

of cities reported having  
climate action plans



Top by investment needs:

**\$11.6B** Water management

Top by number of projects:

**125** Buildings and energy efficiency

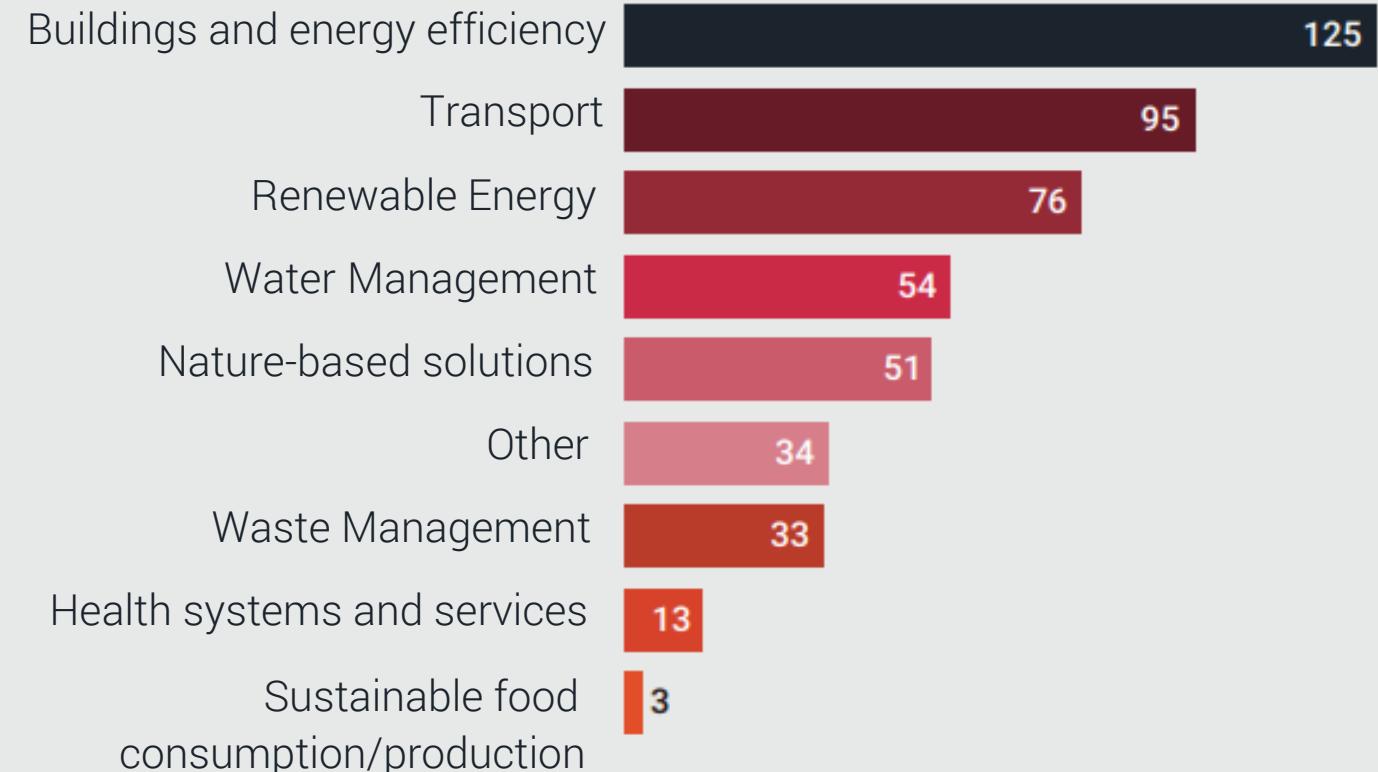
Swiftly growing sector:



Nature-based solutions

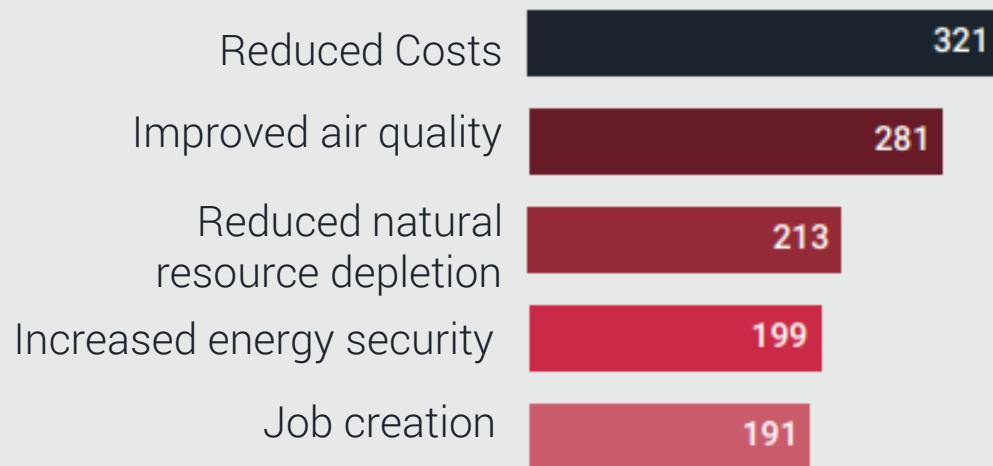


## Top project sectors

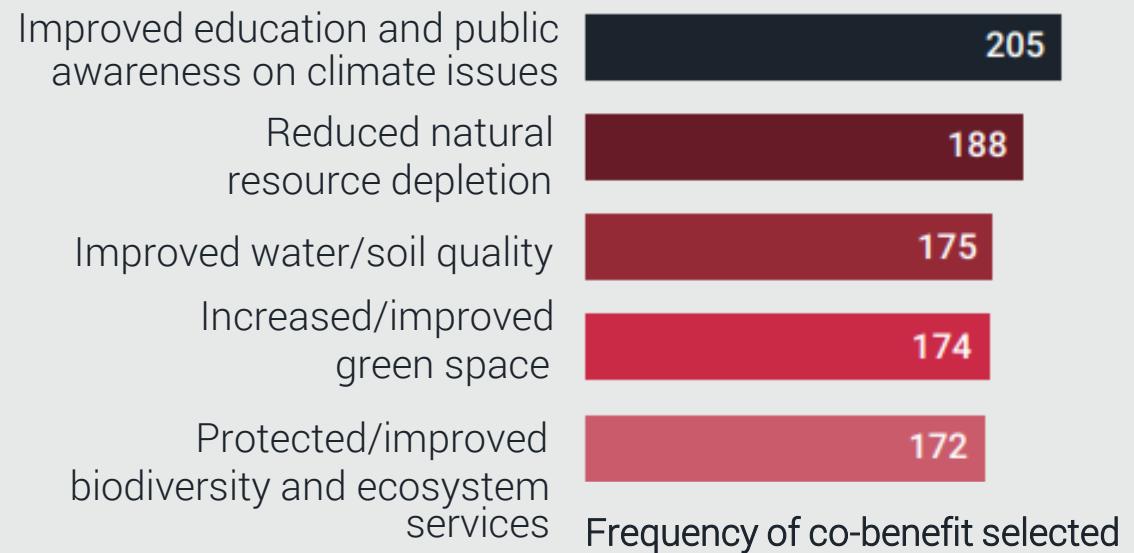


# Co-benefits of climate actions

## Top benefits of mitigation actions



## Top benefits of adaptation actions





Check out the report on [our website!](#)

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[Download the full report](#)



# Insurance + Cities

Peter Adams, Associate Director, Howden

# Insurance at the climate crossroads

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**The challenge:** Extreme climate events in cities are more frequent, severe, and costly.



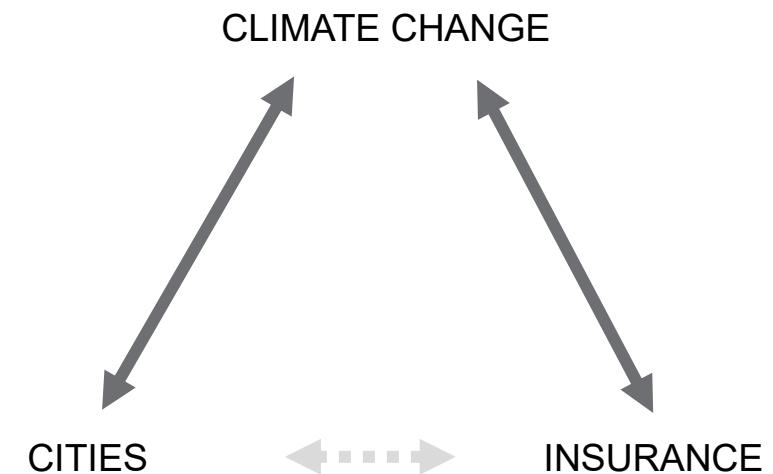
More than half the world's population lives in cities.



Cities are acutely vulnerable to climate risk and urgently need to adapt.



Enormous role for insurance and private sector to play in building resilience.



Howden's **Climate Risk and Resilience** team is working to bridge the gap between what insurance is doing – and what it could do – to address climate change.

# Building a community of practice

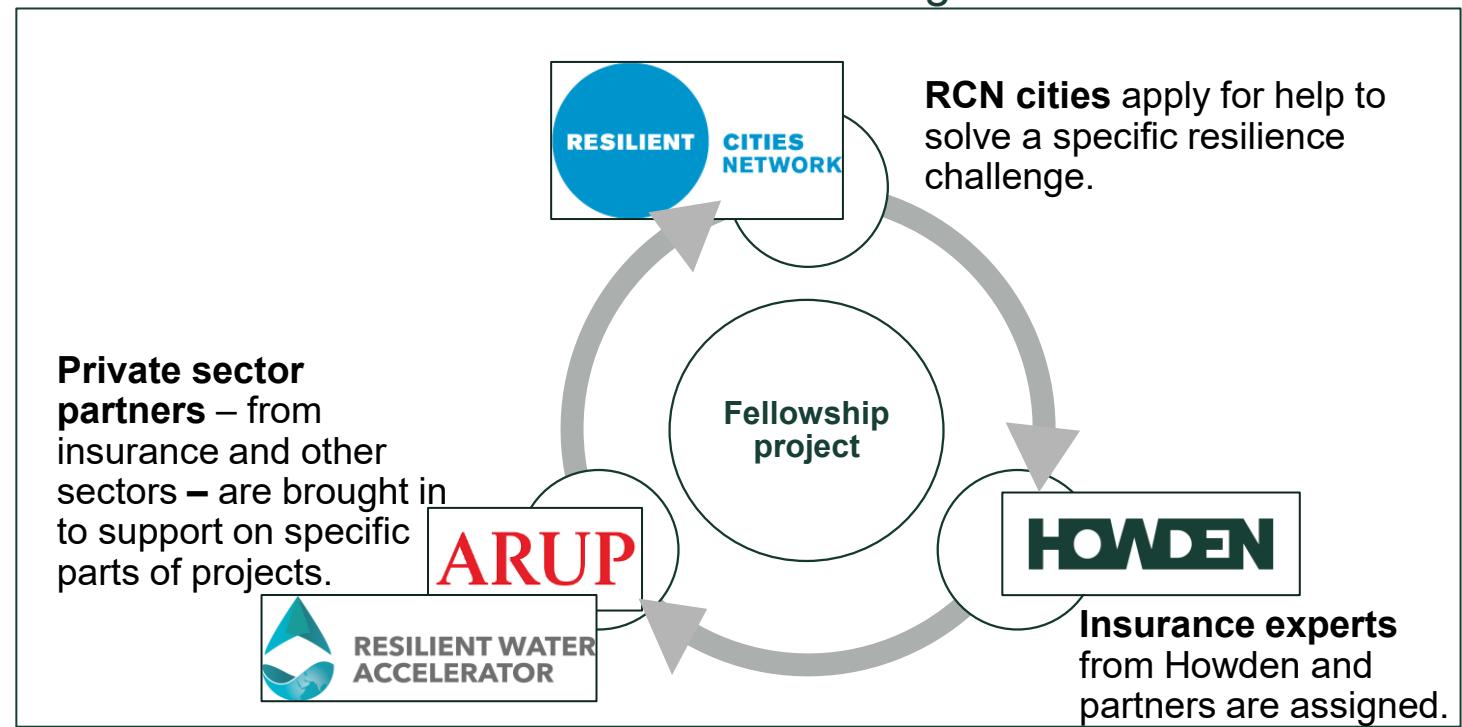
Together, Howden and the Resilient Cities Network lead the **Global Risk and Resilience Fellowship**

The Fellowship supports city leaders across the globe to understand how to use insurance as part of their toolkit to manage climate risks.

*But we in the insurance industry are learning as much as we give*

## How it works:

Pro-bono collaboration with cities who have identified insurance-related climate challenges



# Our work so far



## 2025 Fellowship cities

### Rio de Janeiro



Assess the effectiveness of COR's **flood risk management protocols** and explore the **use of insurance to strengthen Rio's response to flood risk**.

### Mexico City



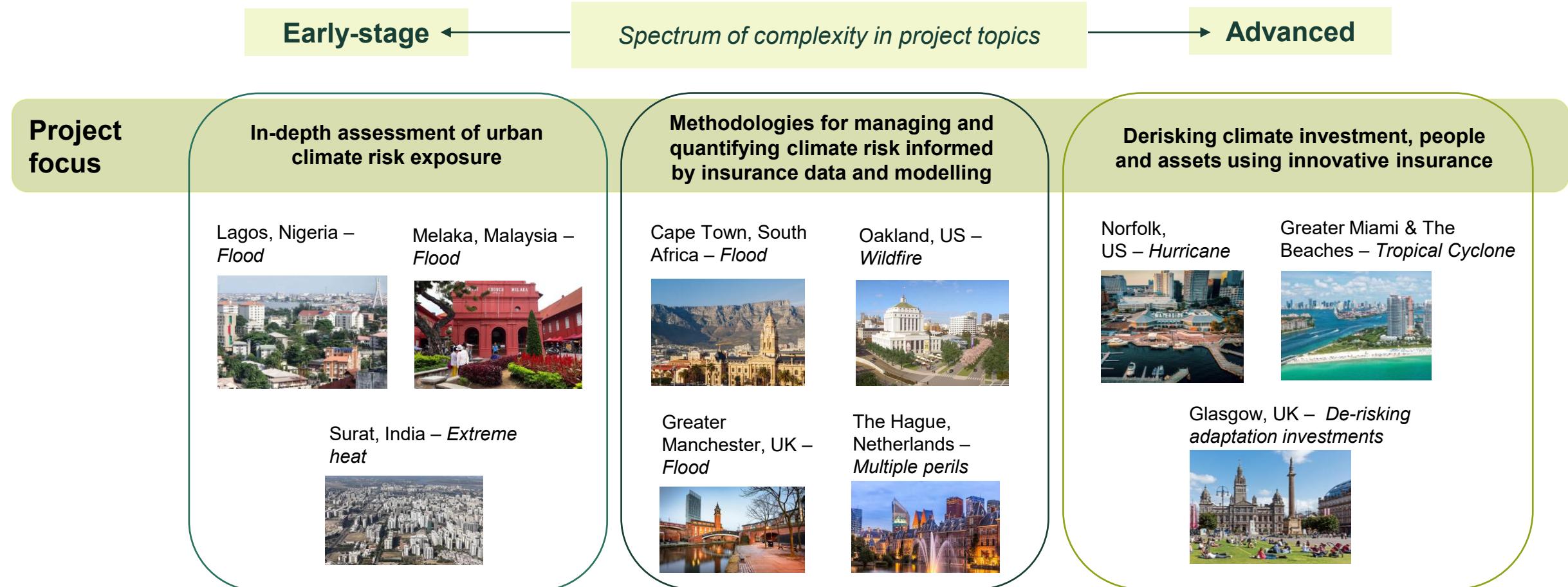
Explore the role of **parametric insurance** in strengthening the financial capacity of Mexico City to manage **seismic risks** and protect the most vulnerable communities and small businesses.

### New York, US



Quantify how New York's **coastal resilience investments** can be better reflected in the **insurance terms** the communities & businesses receiving protection can access.

# We must meet cities where they are at



# Practical outcomes so far

## Innovative hurricane parametric for small businesses and vulnerable low-income households in Miami

<b>City</b>	Greater Miami and the Beaches, Florida
<b>Project focus</b>	In partnership, Resilient305 and The Miami Foundation sought the Fellowship's input to explore how innovative insurance solutions could address the protection gap for low-income households and small and medium-sized enterprises (SMEs).
<b>Outcome</b>	In 2024, following the completion of the project, the Miami Foundation purchased a pilot parametric policy aimed at providing immediate post-disaster relief to vulnerable communities in Miami.

## Using an insurance risk assessment methodology to build urban resilience in The Hague

<b>City</b>	The Hague, Netherlands
<b>Project focus</b>	The Hague sought to establish a risk assessment and monitoring framework that its officials could use to effectively identify, assess, and inform the city's response to existing and emerging risks.
<b>Outcome</b>	The comparison methodology developed through the Fellowship transformed the Hague's risk management and risk response financing. It allowed them to consider and compare evolving risks and review the allocation of city resources accordingly. It refreshed the city's perspective on and understanding of the utility of insurance and established relationships with the insurance sector.

## Optimising the use of insurance to strengthen coastal resilience in Norfolk

<b>City</b>	Norfolk, Virginia
<b>Project focus</b>	The City sought opportunities to identify innovative approaches to using insurance – specifically community-based catastrophic insurance (CBCI) – to bolster community resilience by encouraging existing National Flood Insurance Program (NFIP) policyholders to maintain their coverage once the construction a \$2.6b floodwall is complete.
<b>Outcome</b>	A parametric insurance concept policy developed during the Fellowship convinced the Deputy City Manager of the utility of insurance to protect communities and the local economy. Financing experts increased the city's understanding of how insurance could be incorporated into project financing for adaptation investment.

## Collaborating with insurance to finance Glasgow's 2030 net zero transition strategy

<b>City</b>	Glasgow, Scotland
<b>Project focus</b>	Glasgow has an ambition to achieve net zero carbon emissions by 2030. The City sought to build relationships with and understand they can use the insurance sector to attract financing for a £30bn portfolio of investment projects required if it is to achieve its net zero target.
<b>Outcome</b>	Glasgow established a cross-council working group of senior decision-makers to facilitate rapid decision making and accelerate capital raising. Glasgow established a new Climate Finance role in the city council and hired an individual responsible for implementing its climate investment strategy.

# Thank you!

For further information, please contact:

**Peter Adams**

Associate Director, Climate Risk and Resilience

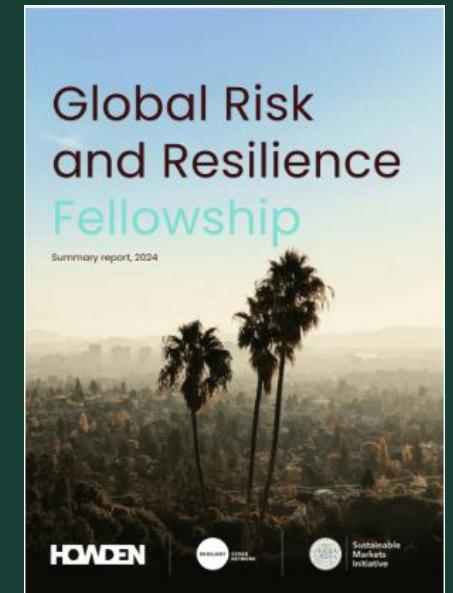
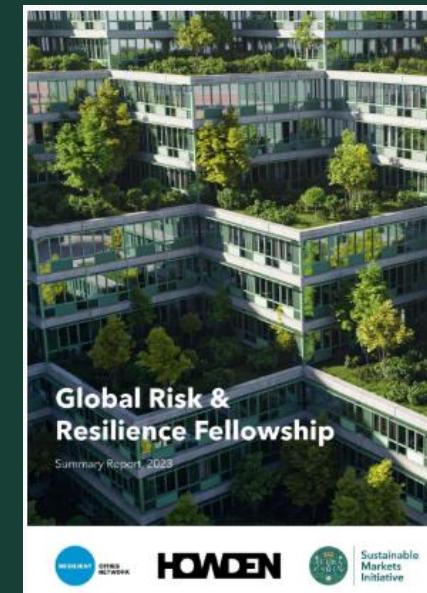
[peter.adams@howdenre.com](mailto:peter.adams@howdenre.com)

**Our 2023 and 2024 reports are online:**

Search for “Global Risk and Resilience Fellowship”

or visit [www.resilientcitiesnetwork.org](http://www.resilientcitiesnetwork.org)

**HOWDEN**



# City of New Orleans: Financing Resilience Through Climate Action

Presented by: Anna Nguyen

*External Affairs Administrator*

Tuesday, October 28, 2025



**Resilience +  
Sustainability**  
CITY OF NEW ORLEANS

# New Orleans Reforestation Plan: Building Natural Resilience

- Expanding canopy coverage in heat- and flood-prone neighborhoods through **USDA Urban & Community Forestry, CPRG, and CDBG-DR** funds.
- Integrating trees and green infrastructure into capital projects like the **Blue Green Corridors** and **Willie Hall Stormwater Park**.
- Every tree planted is both **climate mitigation and risk management infrastructure** — lowering urban heat, improving drainage, and creating green jobs.



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# How Resilience Planning Translates into Infrastructure Decisions

- ORS aligns planning frameworks (Climate Action Plan, Hazard Mitigation Plan, and CDP disclosures) to guide capital investments.
- Data from risk mapping and social vulnerability indices identify where to prioritize infrastructure spending.
- This approach underpins funding allocations for:
  - Energy efficiency efforts
  - Resilience hubs and cooling centers
  - Solid waste diversion and urban agriculture practices



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# Diversified Tools for a Shared Goal

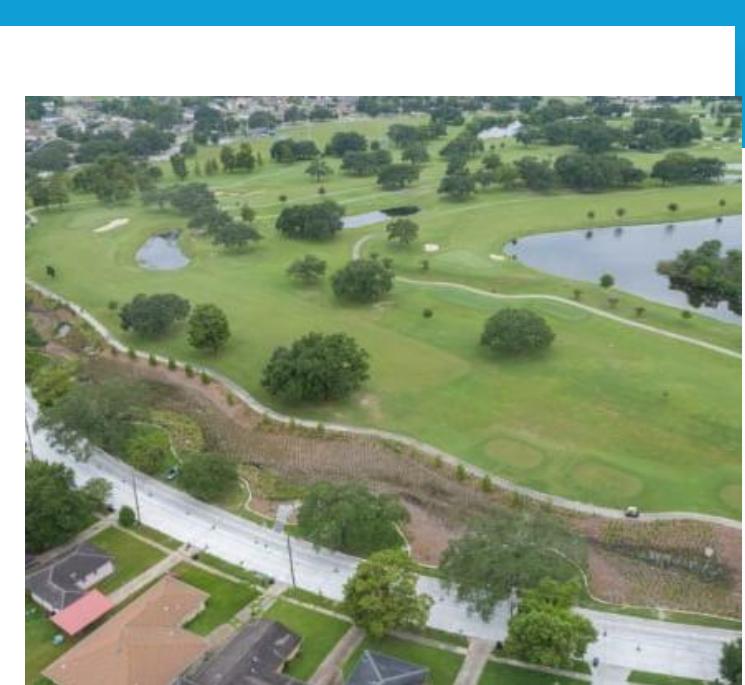
- **Federal Grants:** Over \$130M awarded through IIJA and IRA for clean energy, multi-modal transportation, reforestation, and recycling
- **Municipal Investment Fund (MIF) Phase 1:** Building a finance-ready project pipeline for renewable energy projects; exploring Phase 2 for blended finance.
- **Upcoming Municipal Bond Sale:** Will fund drainage, resilience hubs, and community solar.
- **City-Business Climate Alliance:** Mobilizing local business investment in decarbonization and resilience.



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# Current Investment Portfolio: Turning Plans into Projects

- **Green Infrastructure:** Willie Hall Stormwater Park, Blue Green Corridors, Lakeview & St. Bernard drainage improvements
- **Circular Economy:** SWIFR Recycling Expansion, Solid Waste Master Plan, feasibility study for a **Materials Recovery Facility**
- **Clean Energy:** Municipal Building Decarbonization, Solar Incentive Program, Energy Benchmarking Ordinance
- **Mobility:** E-Bike Rebate Program, Protected Bikeways (7 new miles), Blue Bikes expansion



# Building Credibility Through Disclosure

## Using CDP Reporting to Strengthen Readiness

- While CDP disclosure hasn't yet led directly to financing, it has helped institutionalize climate risk assessment within City operations.
- Establishes a **baseline for data tracking** that aligns with investor and federal reporting standards.
- Improves coordination between departments on climate metrics and project performance.
- Creates a transparent framework to demonstrate progress to residents, partners, and future funders.



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# Looking Forward

- Stormwater Master Plan
- Citywide Heat Mitigation Strategy
- Urban Agriculture & Food Plan
- Solid Waste Master Plan
- Electric Transportation Roadmap
- Climate Action Plan Update 2027
- Climate Budgeting
- Sustainable Procurement
- City-Business Climate Alliance



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# CDP US Infrastructure Opportunities Snapshot Release Webinar

Kyla Prendergast, AICP  
Senior Environmental Planner  
Department of City Planning  
City of Pittsburgh  
[Kyla.Prendergast@pittsburghpa.gov](mailto:Kyla.Prendergast@pittsburghpa.gov)

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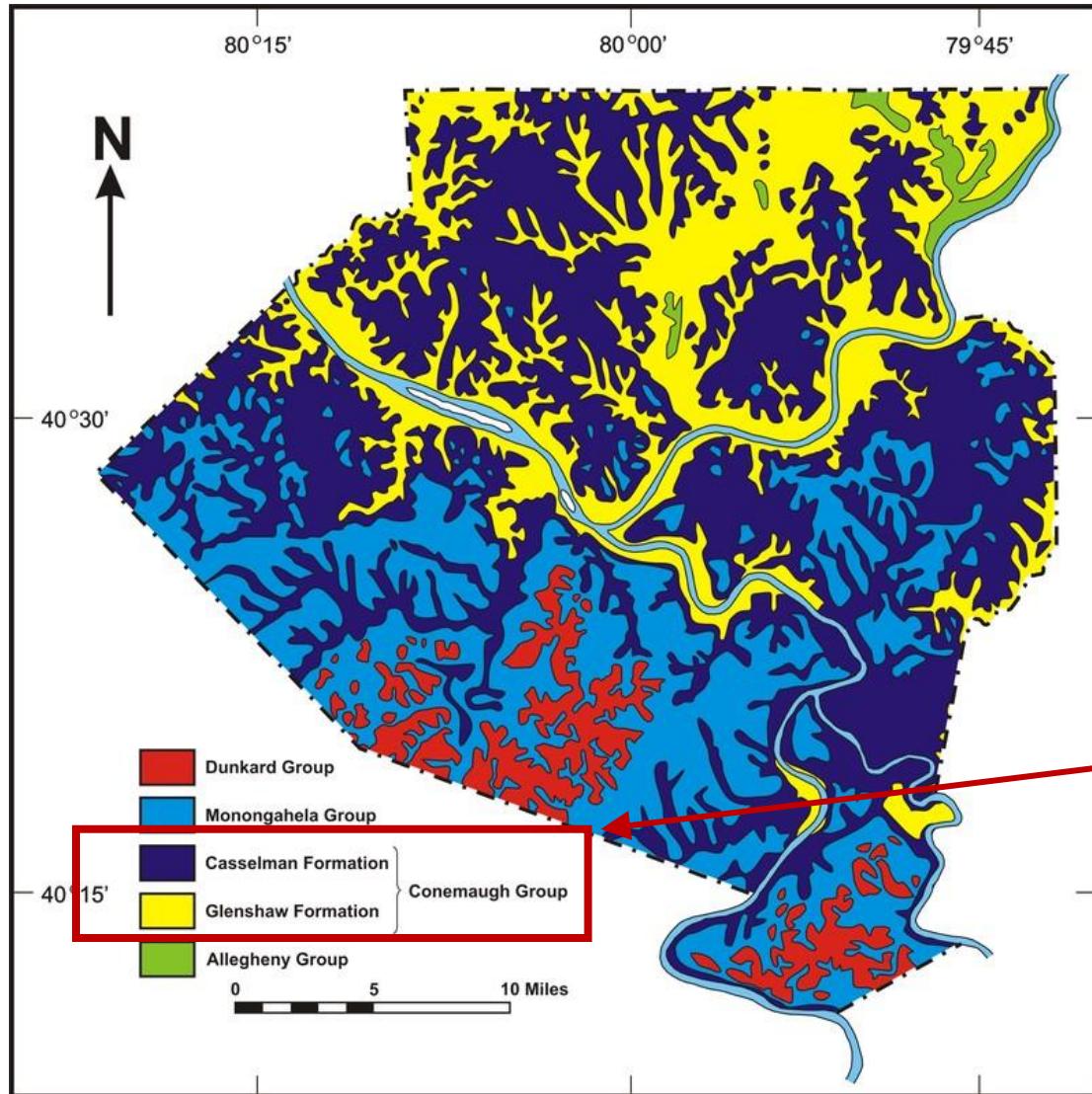
# Agenda

- »» Pittsburgh's Climate Risks
- »» Rain Reclaim Vacant Land to Green Stormwater Infrastructure
- »» Resilience planning and infrastructure
- »» Leveraging the CDP disclosure
- »» Q&A



# Pittsburgh Climate Risk

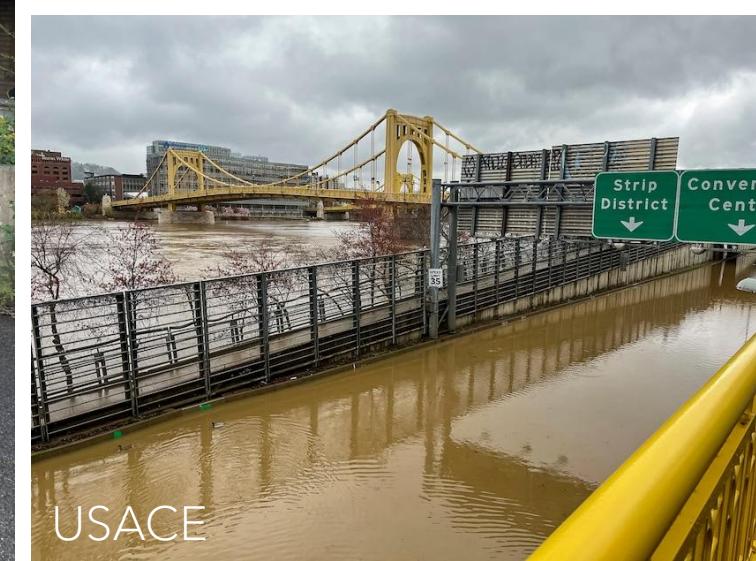
# Pittsburgh Context



- We're rich in water and unique geology
- Downtown Pittsburgh is at confluence of two rivers to form the Ohio, a tributary to the Mississippi
- Conemaugh Group includes our “red beds”
  - Characterized by clayey, landslide prone soils, with slopes.

# Pittsburgh's Climate Risks

- Landslides
- Flooding
- Heat



# Landslides



Landslide Prone

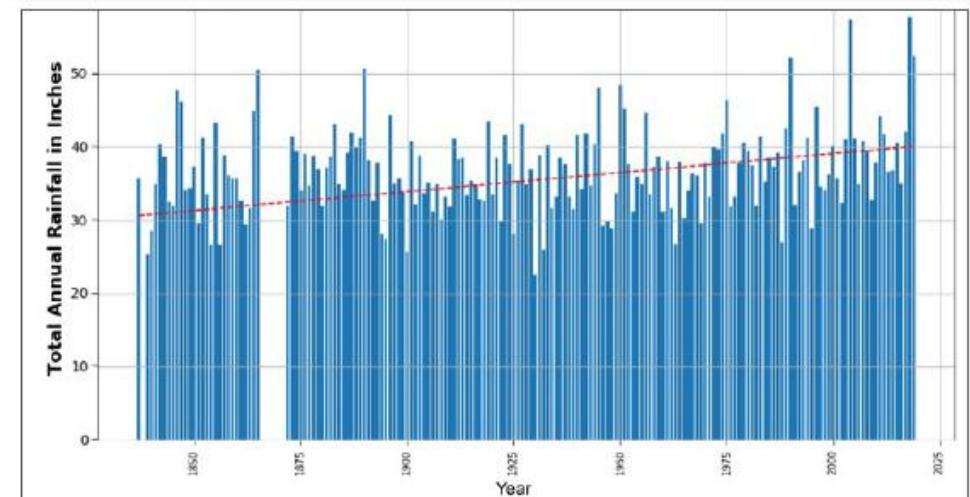
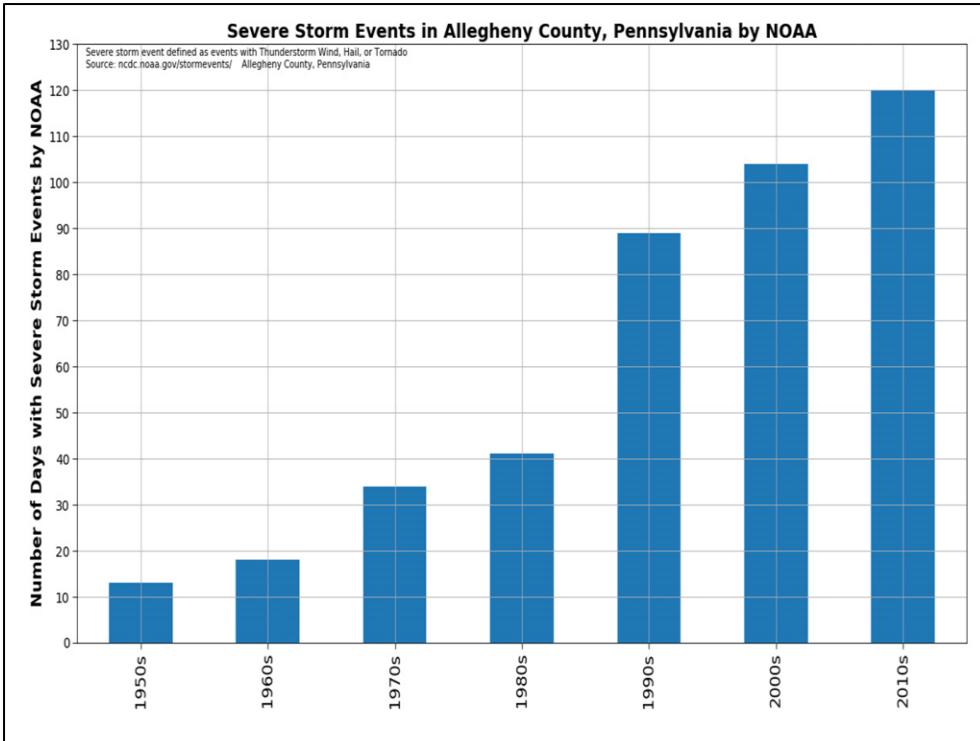


Undermined



# Flooding

- Our rainfall patterns are changing from light, consistent rainfall to intense rainfall events with periods of drought.
- Projected 8% to 23% increase in rainfall depth, depending on storm frequency
- 13% increase of 95th percentile rainfall



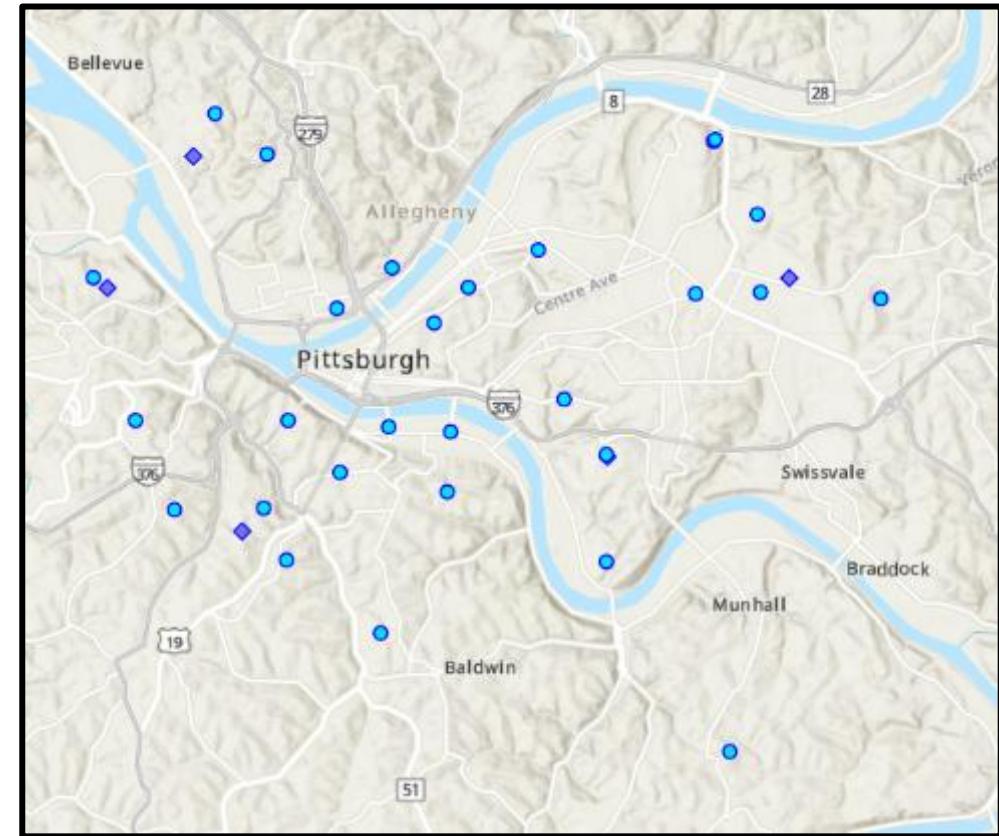
**Figure 1.1.** Annual Recorded Rainfall 1837 to 2019 in Pittsburgh

# Heat Risk

- 2024 was the warmest year on record
- 2023 7<sup>th</sup> warmest year on record



● Cooling Center Location  
● Public Pool Location



3°F

30-year climate predictions suggest up to a 3°F temperature increase in our area.

Before

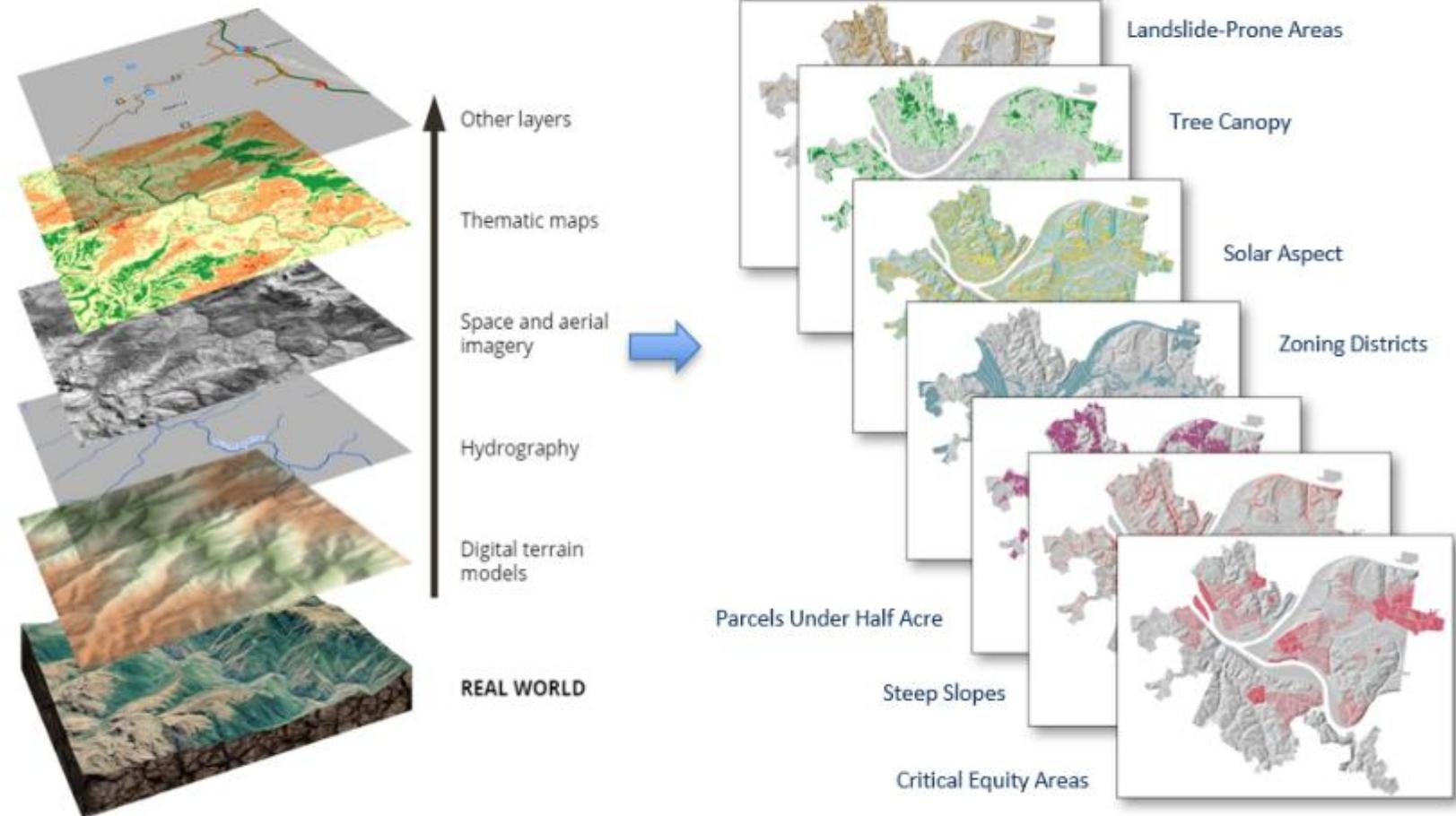
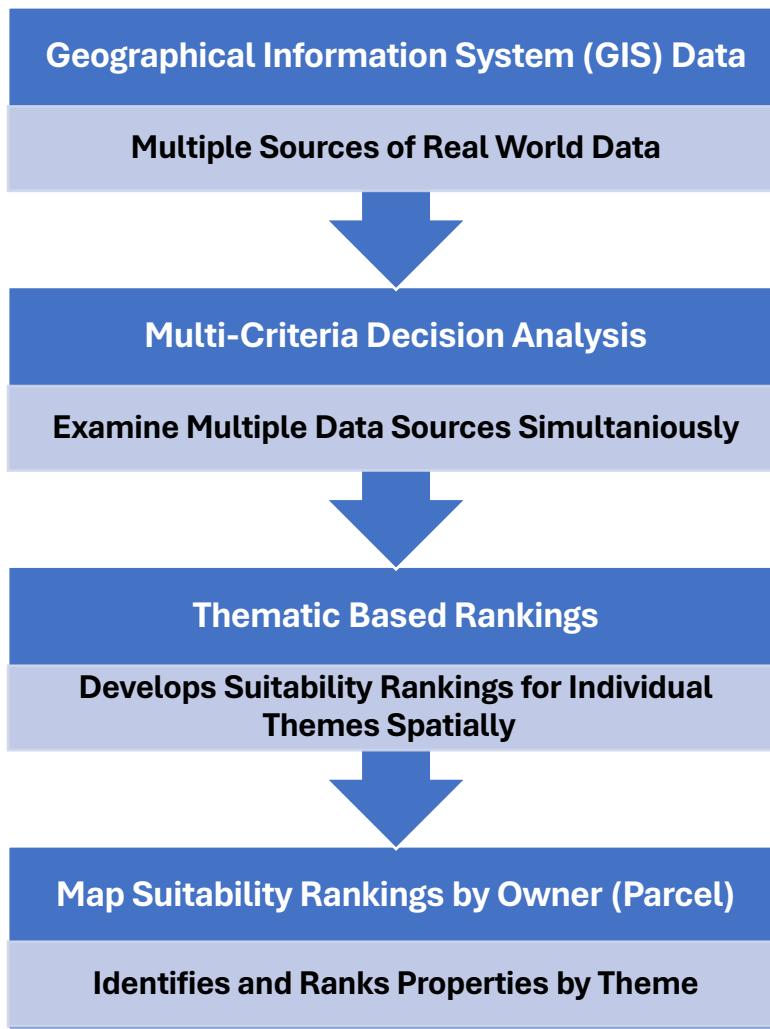


After

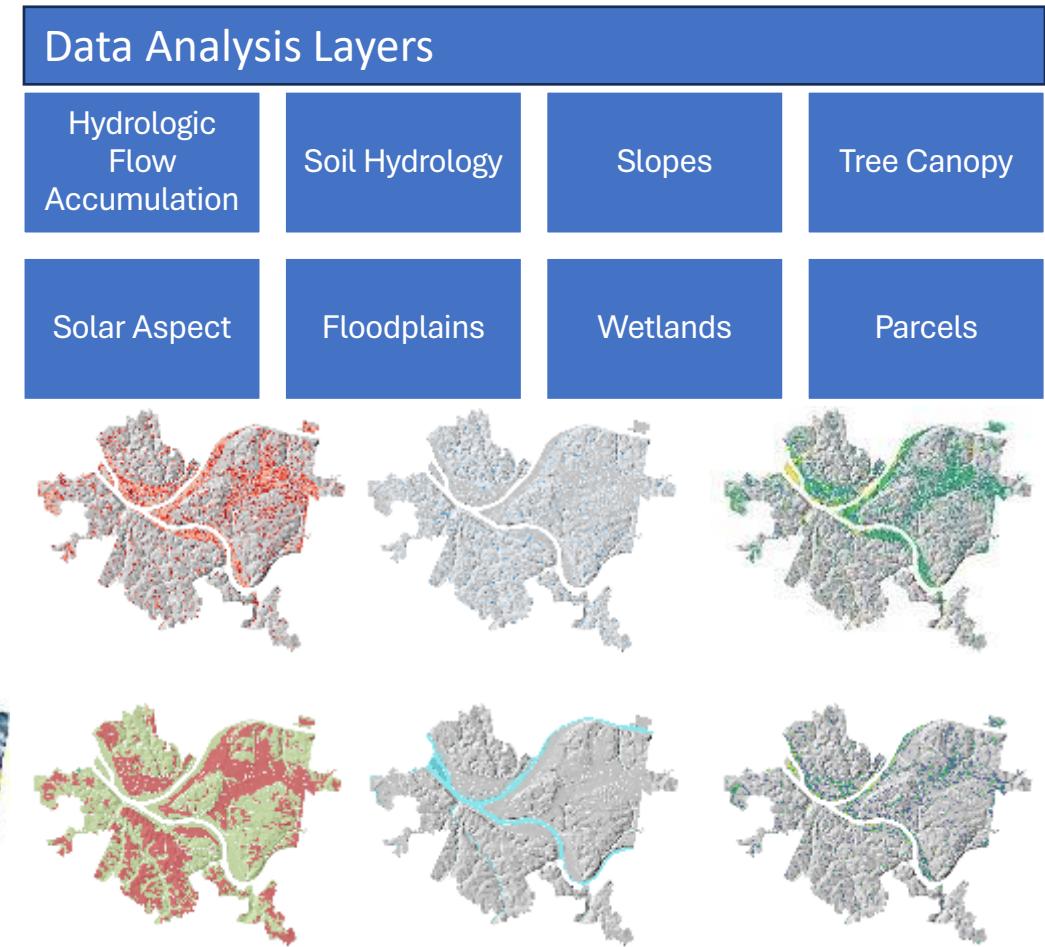
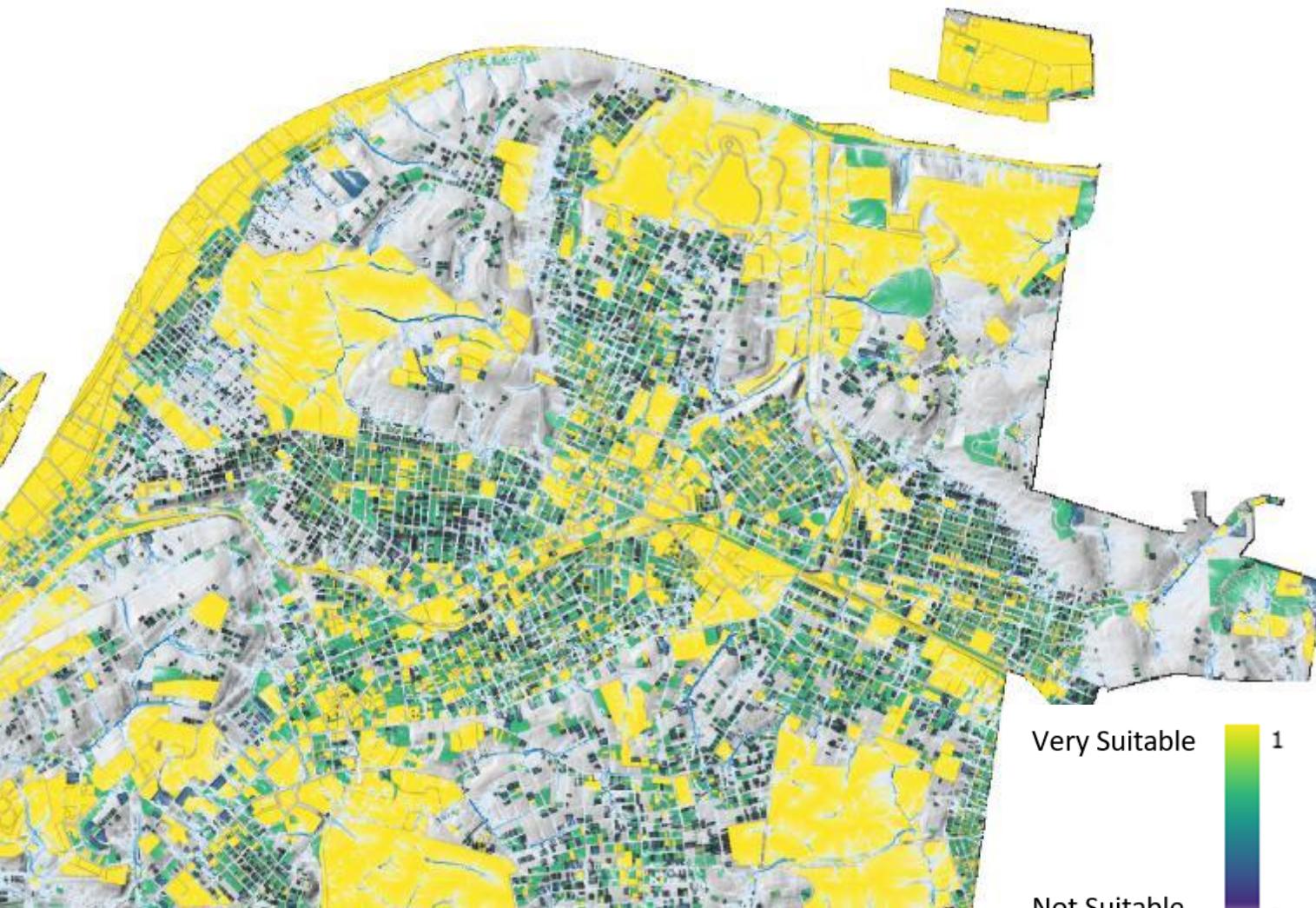


Rain  
Reclaim

# Planning & Analysis Methodology

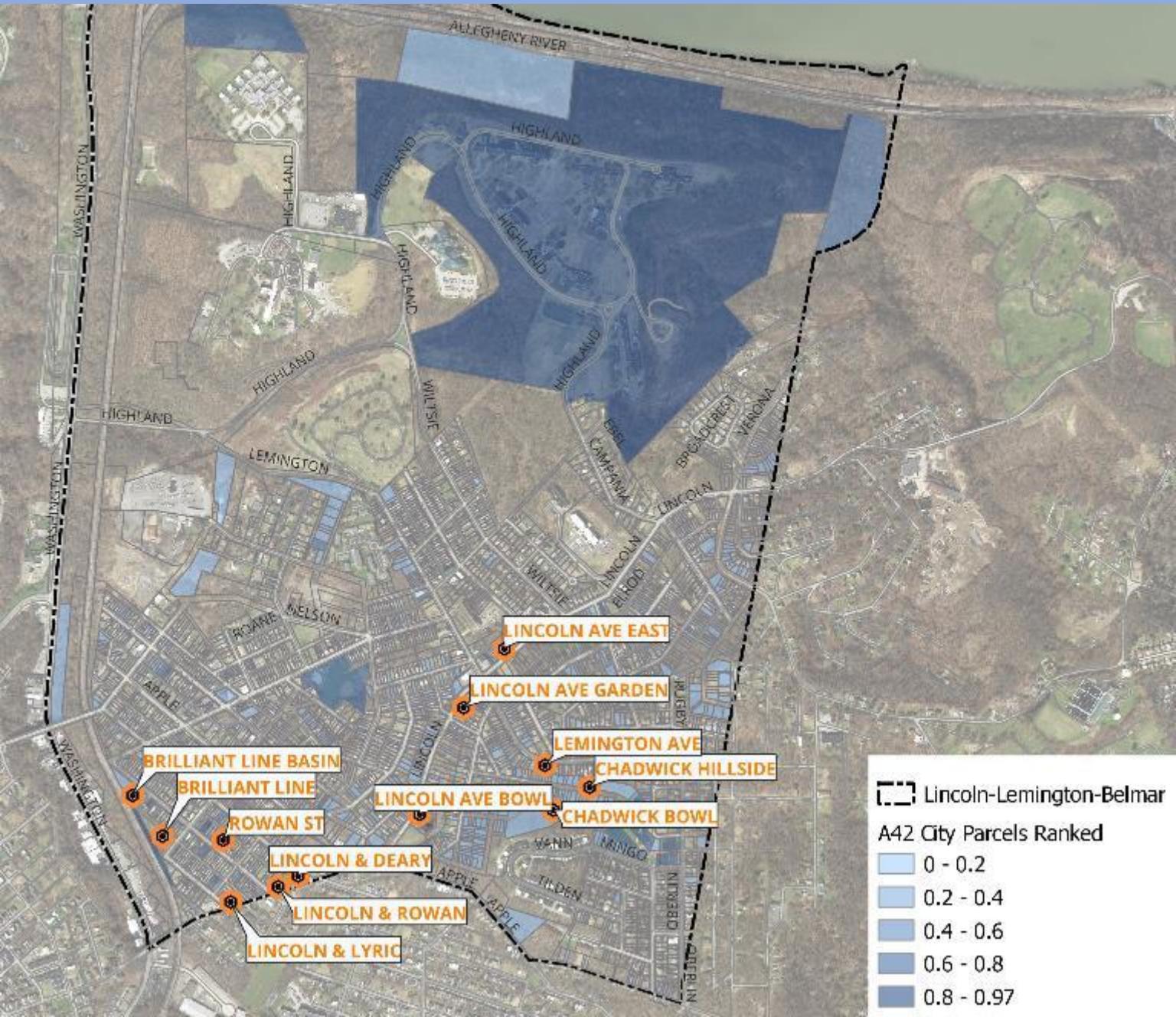


# Suitability Mapping



# Sites Overview

- Twelve (12) Potential Sites
- Focused on Residential Southern Half of the Neighborhood
- Three (3) General Types of Sites
  - Commercial Corridor Activation
  - Pocket Parklets
  - Existing Park Expansion
- Wide Range of Impact Areas & Opportunities



# Public Engagement



## Vacant Lots to Green Infrastructure - Rain Reclaim

The Department of City Planning and Pittsburgh Water are partnering to pilot a joint program to convert underutilized vacant lots to green stormwater infrastructure.

+ Follow



[Home](#) / [Vacant Lots to Green Infrastructure - Rain Reclaim Project](#)

### NEW! Select the best site for stormwater management in Lincoln-Lemington-Belmar!



### Key Dates



Saturday, October 04, 2025 11:00 am to 01:00 pm

#### Lincoln-Lemington Community Meeting

Pittsburgh Water, the City of Pittsburgh, and WaterNow Alliance are holding a meeting to share information and gather input on **RainReclaim**, a new program to transform vacant lots into spaces that help address flooding, improve water quality, and create

- Community-based organizations are written into the funding and project scope
- In-person: Eight (8) community meetings held so far
- Virtual: Survey for each phase of the work

Resilience  
planning &  
infrastructure

# Planning for increased heat: Trees as climate adaptation infrastructure

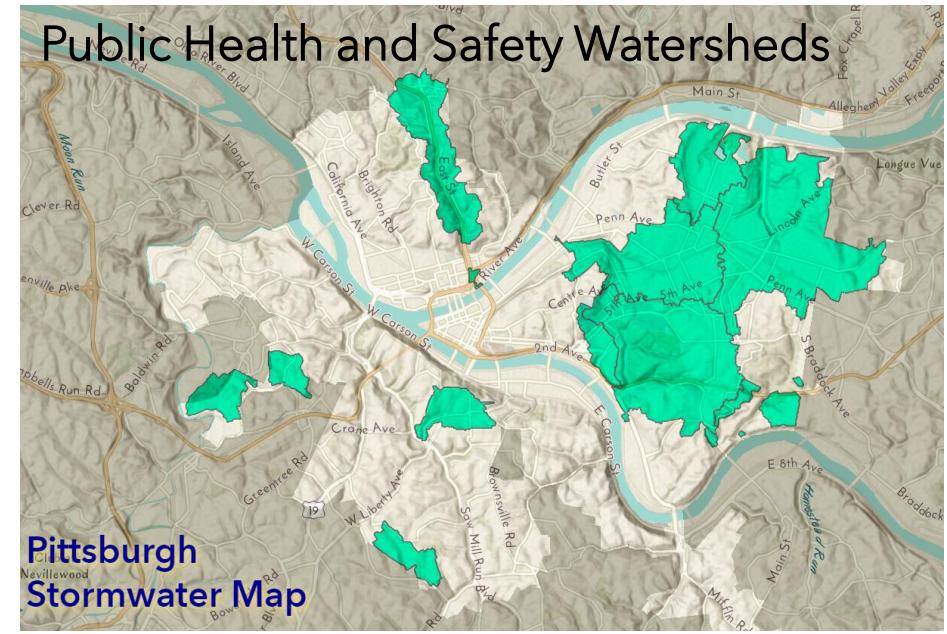
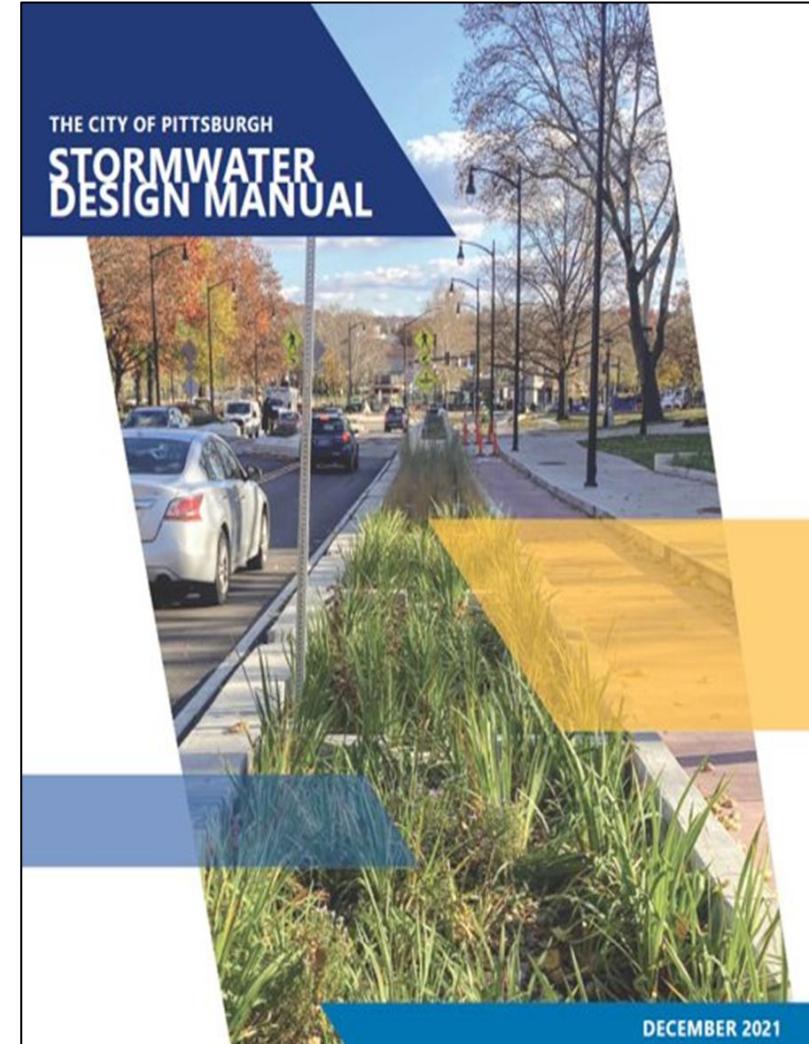


- Trees absorb carbon, CO<sub>2</sub>, and excess water.
- Trees reduce the average temperature by 3°F on a parcel.
- Goal: Create a program to plant trees where residents need them most



# Planning for increased flooding: Resilient Water Infrastructure

- Goal: Ensure both private and public development/redevelopment will be resilient to future flood risk
- Use of climate change projection rainfall model for BMP design and sizing
- Public Health and Safety Release Rate Watersheds



**TABLE 2.3. 24-HOUR DURATION FUTURE CLIMATE CHANGE RAINFALL VALUES FOR THE CITY OF PITTSBURGH**

(Table adapted from RAND (2020) – results from Carnegie Mellon University)

Return Period (years)	Average Future Rainfall Depth (inches)
1	2.1
2	2.3
5	3.3
10	3.9
25	4.8
50	5.6
100	6.4

If the present-day NOAA Atlas 14 rainfall depth value is higher than the future climate projection rainfall value, the NOAA Atlas 14 value shall apply for modeling analysis purposes.

# Planning for increased landslides: Voluntary Buyout Program

- Goal: Ensure residents living in areas of highest landslide risk have the ability to relocate to a safer area of the City without large loss of wealth or residents
- Funded by FEMA Grant

## PROJECT TIMELINE

Our work will run through spring of 2026 and include five core tasks.

1

### LANDSCAPE ASSESSMENT

**July-Aug**

Assess the City's existing work to mitigate landslide and flood risk and evaluate buyout and relocation programs in comparable cities.

2

### BASELINE ANALYSIS

**Aug-Sept**

Map risk area and analyze City investments and responsibilities to inform a comprehensive approach to landslide and flood mitigation.

3

### POTENTIAL TOOLS

**Sept-Nov**

Interrogate potential policy, land use, funding, and legal tools to support a buyout and infrastructure decommissioning framework.

4

### CBA & DECISION FRAMEWORK

**Nov-Dec**

Develop a decision-making framework to guide the City to determine when and where it should pursue buyouts or invest in infrastructure upgrades.

5

### PROGRAM DESIGN

**Jan-March**

Design a voluntary pilot program based in the Saw Mill Run watershed and apply the pilot learnings to develop a citywide program.

City of Pittsburgh

# CLIMATE ACTION PLAN

*Version 3.0*



# Leveraging Disclosures

# Leveraging CDP Reporting

- Gives us a chance to take stock of our work each year
- Allows us to connect with other municipalities to learn from their efforts
- Gives the City a chance to check in on Climate Action goals and identify areas we need to increase funding or effort

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# About the Coalition for Green Capital

**JESSIE BUENDIA**  
CHIEF IMPACT OFFICER



# What is CGC?

- **CGC is a non-profit financial institution that collaborates with the public and private sectors to fund energy and infrastructure projects at scale.**
- **We invest directly in clean energy, water, and resilient infrastructure projects that can deliver lasting returns for people, markets, and the environment.** Our model drives market transformation by mobilizing capital through a national investment portfolio while catalyzing project origination through our network of state and local partners.
- **Proven Track Record:**
  - To prove the effectiveness of public-private investing and demonstrate the need for a national financial institution that can bring economic and environmental impact to scale, CGC spent decades creating “green banks” across the country.
  - Green banks are a proven finance model that uses public capital to mobilize private investment that deliver cleaner air and water.

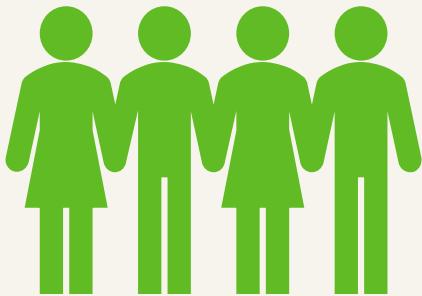


Located in NY, DC, and Boulder CO, CGC has about 60 employees ([click here for bios](#)).

## CGC is Investing in Projects That:



Deliver clean air, clean water and  
affordable clean power

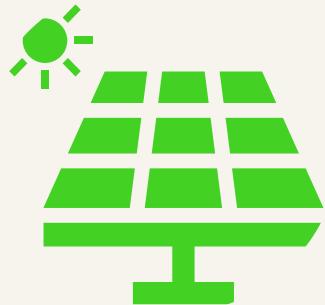


Deliver benefits to  
communities across the  
country

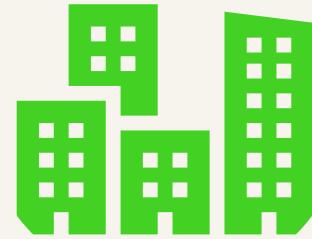


Mobilize private capital

# Priority Project Areas



**Distributed Energy Generation  
and Storage**



**Net-Zero Emissions  
Buildings**



**Zero Emissions  
Transportation**



**Other**

Examples of “Other” projects include: (1) grid-related investments (transmission, distribution, substations, including related to datacenters), (2) credit enhancements that could support private capital investments across any of the areas, and (3) investments in critical clean water infrastructure.

# Clean Air, Clean Water, Affordable Clean Power

## The project, activity, or technology:

- ✓ reduces or avoids GHG emissions and other air pollutants;
- ✓ delivers additional benefits, such as resiliency, efficiency, workforce development, or affordability benefits, and must be located within the United States;
- ✓ may not have otherwise been financed;
- ✓ would mobilize private capital; and
- ✓ would support commercial technologies.\*



\*Defined as technologies that have been deployed for commercial purposes at least three times for a period of at least five years each in the United States for the same general purpose as the project, activity, or technology.

# Community Engagement and Accountability



**Low-Income and Disadvantaged Community (LIDAC) Target**



**Labor and Workforce Development Commitments**



**Committees and Community Participation**

CGC is committed to working with its network of community lenders and CBO partners to (1) deploy at least 50% of capital in qualified projects in and with LIDACs, (2) create quality jobs and expand energy infrastructure career pathways, and (3) implement an open and transparent governance structure that encourages community stakeholder input and inclusive decision-making.

# CGC Financial Products

## Our Financial Products include:

- Senior Debt
- Junior Debt Subordinated, mezzanine
- Credit Enhancements
- Equity Investments
- Loan Purchases
- Investments in Financial Intermediary Investment Vehicles
- Other Financial Instruments

# Key Themes

We'll seek to earn an investment return that:

- ✓ Reflects the investment risk
- ✓ Will "crowd in" private sector capital with greater scale and seasoning of the transaction type or business model being financed

The Investment Policy is, in part, designed to result in a portfolio that is highly monetizable to enable recycling of capital and ongoing investment beyond the initial capital:

- Enabling market impacts well beyond the initial capital
- ✓ Continue to operate at the ever-evolving edge of private market investing
- ✓

# Accessing the Investment Form on CGC's Home Page

## Our National Green Bank

Maximizing public capital to reduce emissions and pollution: bringing the clean future to all communities

The U.S. EPA took a big step toward a greener future by capitalizing the first US national green bank through the Greenhouse Gas Reduction Fund (GGRF).

**The EPA selected the Coalition for Green Capital for an award of \$5 billion to capitalize a national green bank under The National Clean Investment Fund competition and \$125 million under Solar for All to establish green banks and accelerate the development of solar in North and South Dakota.**

Through strategic partnerships and innovative financing, our national green bank will create a clean energy finance ecosystem that will fill critical market gaps and maximize the impact of every public dollar invested to achieve the nation's climate goals for many years to come.



## Share your project

Our team is currently preparing to expand the clean and cheap power platform in every household and business across the country. Learn more about our project criteria and submit a proposal by following the link to the submission form below.

[SUBMIT A PROPOSAL](#)



# Municipal Investment Fund

October 2025



Local Governments  
for Sustainability

USA



# NCIF Program Overview and Ladder of Investment

## Market building->

- Cities, Counties and Tribes work to develop the market for NCIF qualified projects

## Pre-development->

- NCIF Qualified Projects get identified and receive support to get financed.

## Development ->

- NCIF Qualified Projects get developed and identify commercial financing.

## Financing ->

- **State and local green banks:** A set of green banks and community lenders provide financing for NCIF Qualified Projects (with a focus on <\$50MM)
- **National green bank:** CGC provides financing for NCIF Qualified Projects (with a focus on \$50-\$150MM above)
- **Secondary markets:** Institutional Capital to be mobilized (\$250MM and above)

# What is ICLEI USA?

ICLEI USA, headquartered in Denver, Colorado, has been in operation for 32 years as the largest and first local government network dedicated to sustainability and climate action. ICLEI USA has worked with more than 1,200 network cities, towns, counties, and Tribal nations in all 50 states.

ICLEI USA pioneered the standards for local government greenhouse gas management, including in the states with the highest emissions, to create jobs, reduce emissions, and empower local solutions by providing technical assistance, strategic planning, and federal grant support. Through the CGC and ICLEI USA partnership, the 104 selected communities will gain access to ICLEI USA's resources and expertise to harness the cost-saving benefits of clean energy for American families by enhancing their capacity to pursue public-private partnerships.



*ICLEI USA is a U.S. nonprofit corporation responsible for meeting its own financial and legal requirements.*

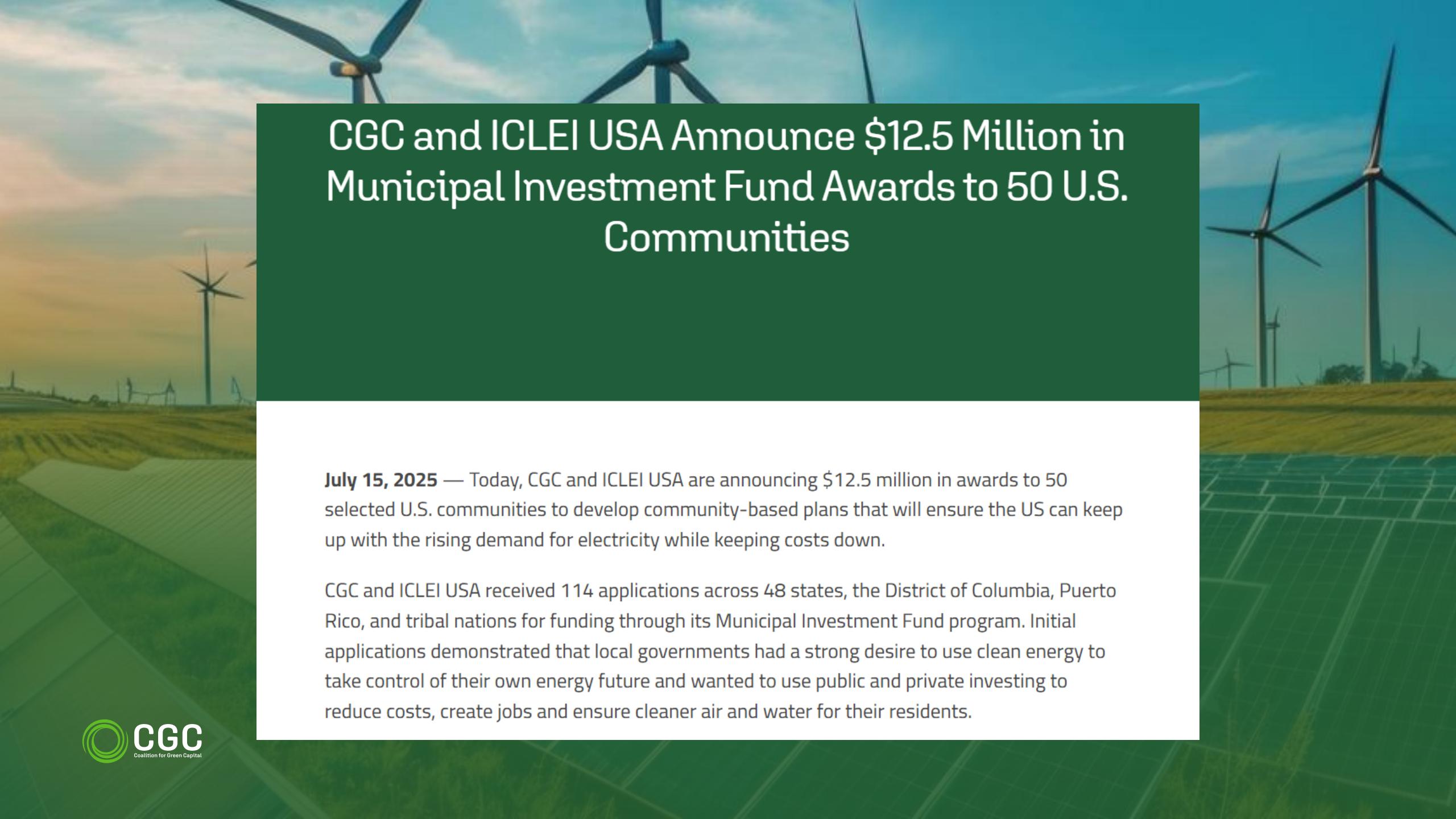
# Overview: Municipal Investment Fund

## Qualified Communities will receive:

- **Awards of \$250,000** to develop public-private partnership plans to originate National Clean Investment Fund (NCIF) qualified projects
- **Workshops and trainings** for Market Building Activities and preparing project pipelines
- **Technical assistance** and access to experts on NCIF qualified project development
- **Network building** opportunities

# Municipal Investment Fund: Expectations for Grantees

- **Develop a public-private partnership plan** that uses a “whole community approach” to accelerate the deployment of capital to Qualified Projects:
- **Generate and sustain robust stakeholder engagement** to support community benefits.
- **Originate a pipeline** of distributed power generation and storage, net zero emission transportation, net zero emissions, buildings projects, and water infrastructure.
- **Develop policy interventions to support project origination** and expedite implementation pipelines.
- **Build coalitions** with green banks, community-based organizations, nonprofits, labor, utilities, renewable energy developers, and private investors and institutions.
- **Create an enabling environment** that leads to achieving community goals, attracting capital to clean energy projects, and reducing costs.

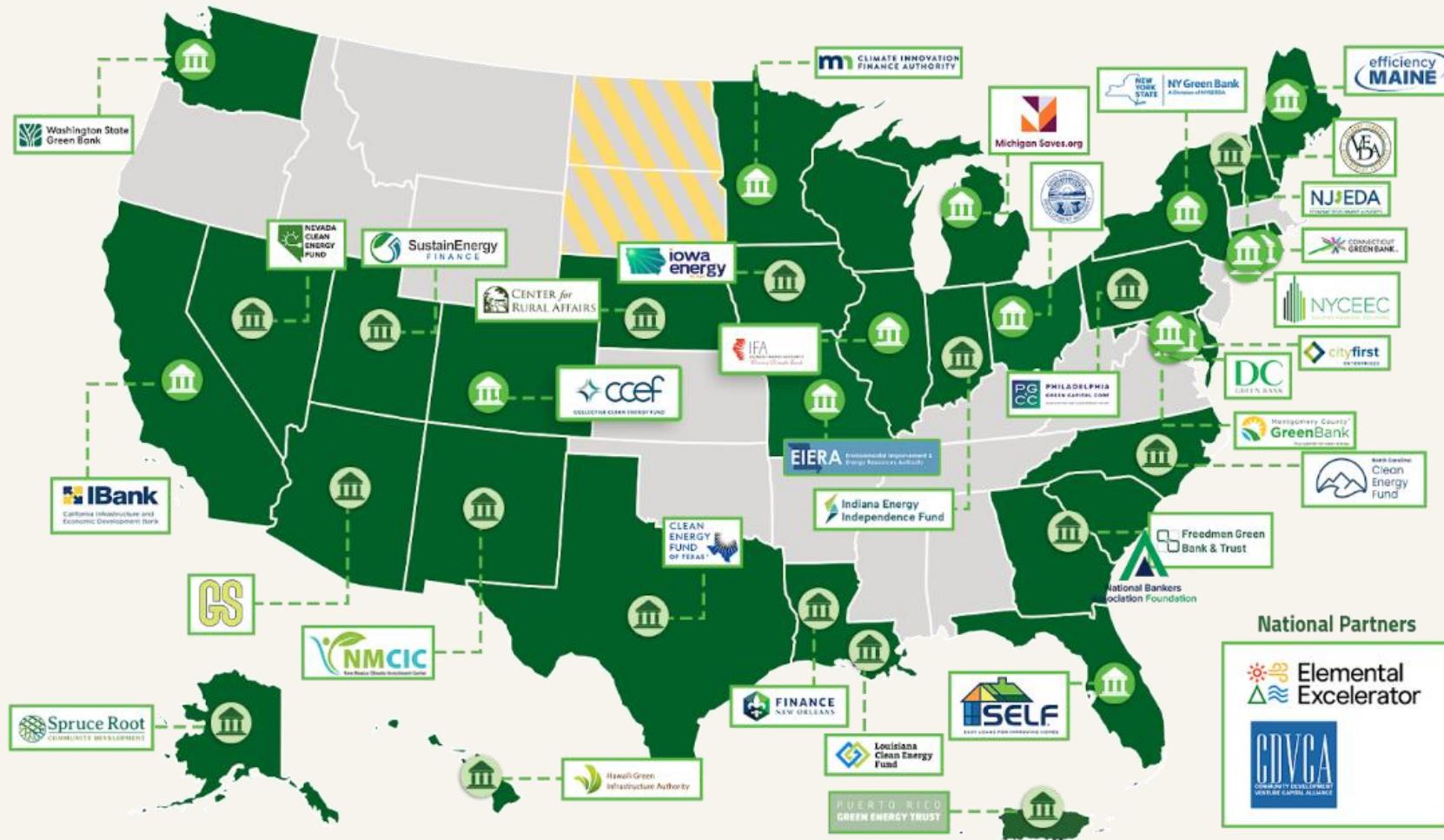


# CGC and ICLEI USA Announce \$12.5 Million in Municipal Investment Fund Awards to 50 U.S. Communities

**July 15, 2025** — Today, CGC and ICLEI USA are announcing \$12.5 million in awards to 50 selected U.S. communities to develop community-based plans that will ensure the US can keep up with the rising demand for electricity while keeping costs down.

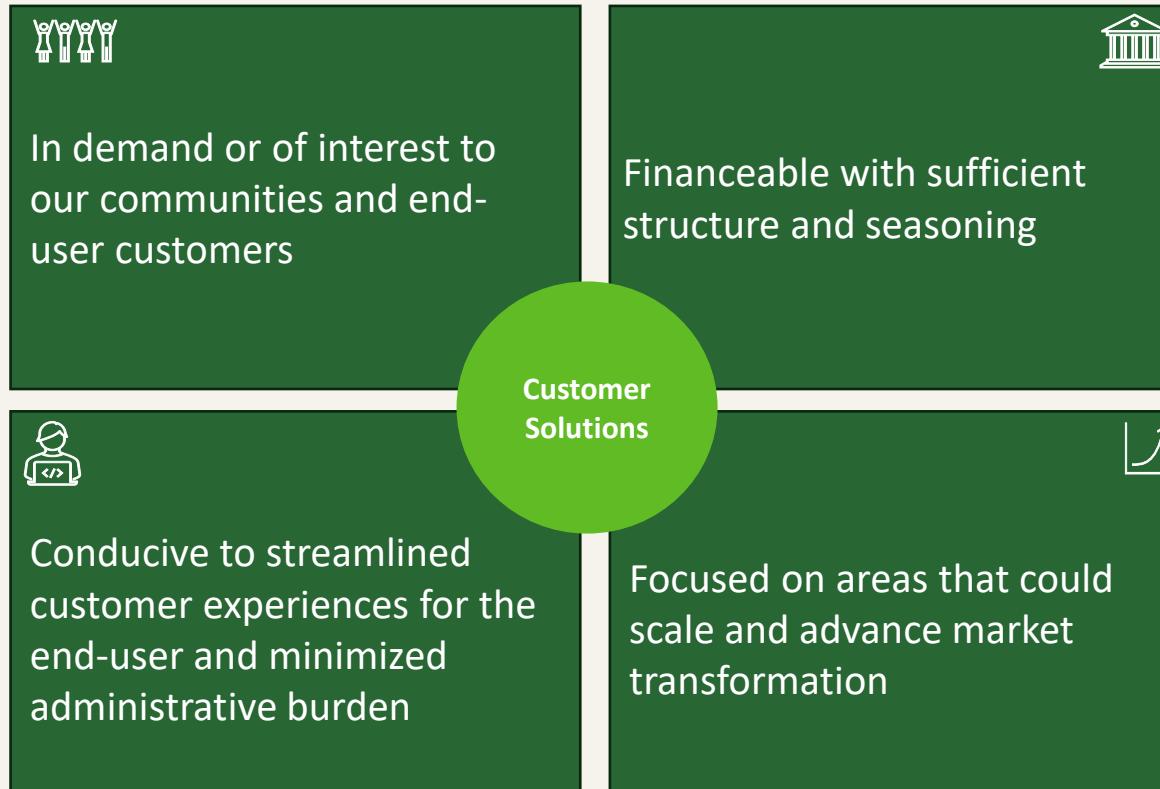
CGC and ICLEI USA received 114 applications across 48 states, the District of Columbia, Puerto Rico, and tribal nations for funding through its Municipal Investment Fund program. Initial applications demonstrated that local governments had a strong desire to use clean energy to take control of their own energy future and wanted to use public and private investing to reduce costs, create jobs and ensure cleaner air and water for their residents.

# CGC has created a nationwide network of 38 lenders investing in qualified clean energy projects

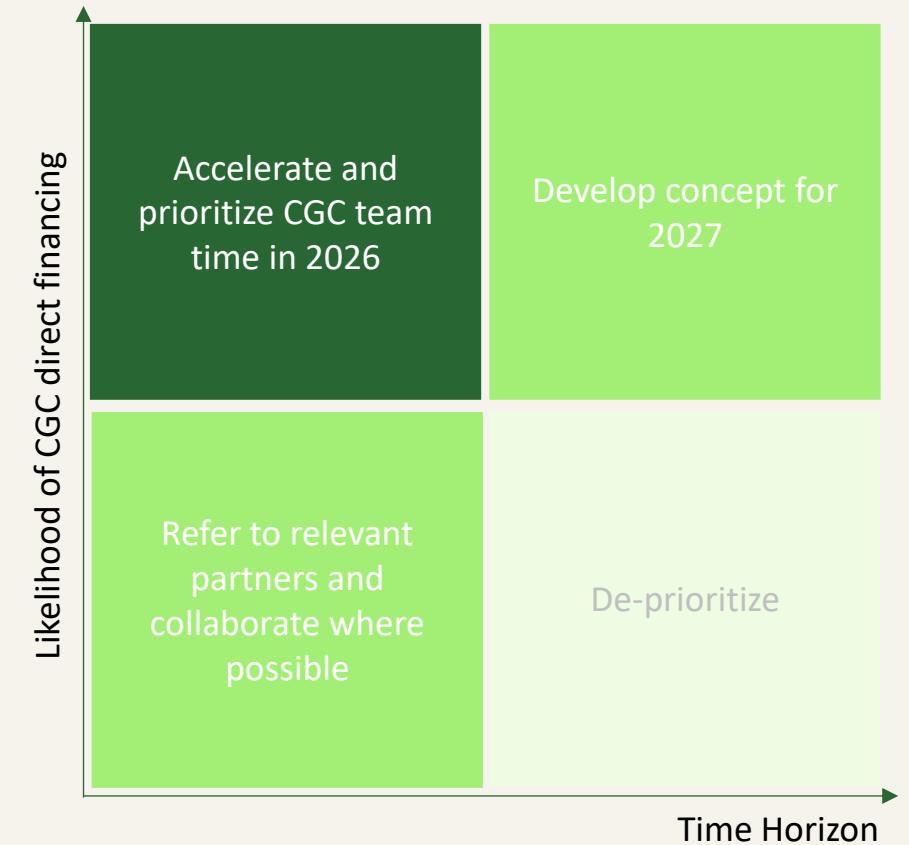


# The CS initiative aims to produce investment-viable products that address commercial gaps to deploying clean energy investment

**Customer Solutions (CS) are investment themes, which catalyze projects in local communities...**



**...some of which may be considered for CGC direct financing with some seasoning**



# Questions

**To submit a proposal:**  
Investment Opportunities -  
Coalition for Green Capital

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# Q&A

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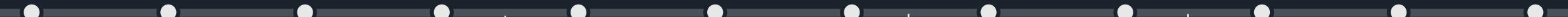
# 2025 disclosure timeline

## Prepare

## Disclose

## Access insights

Mar      Apr      May      Jun      Jul      Aug      Sep      Oct      Nov      Dec      Jan      Feb



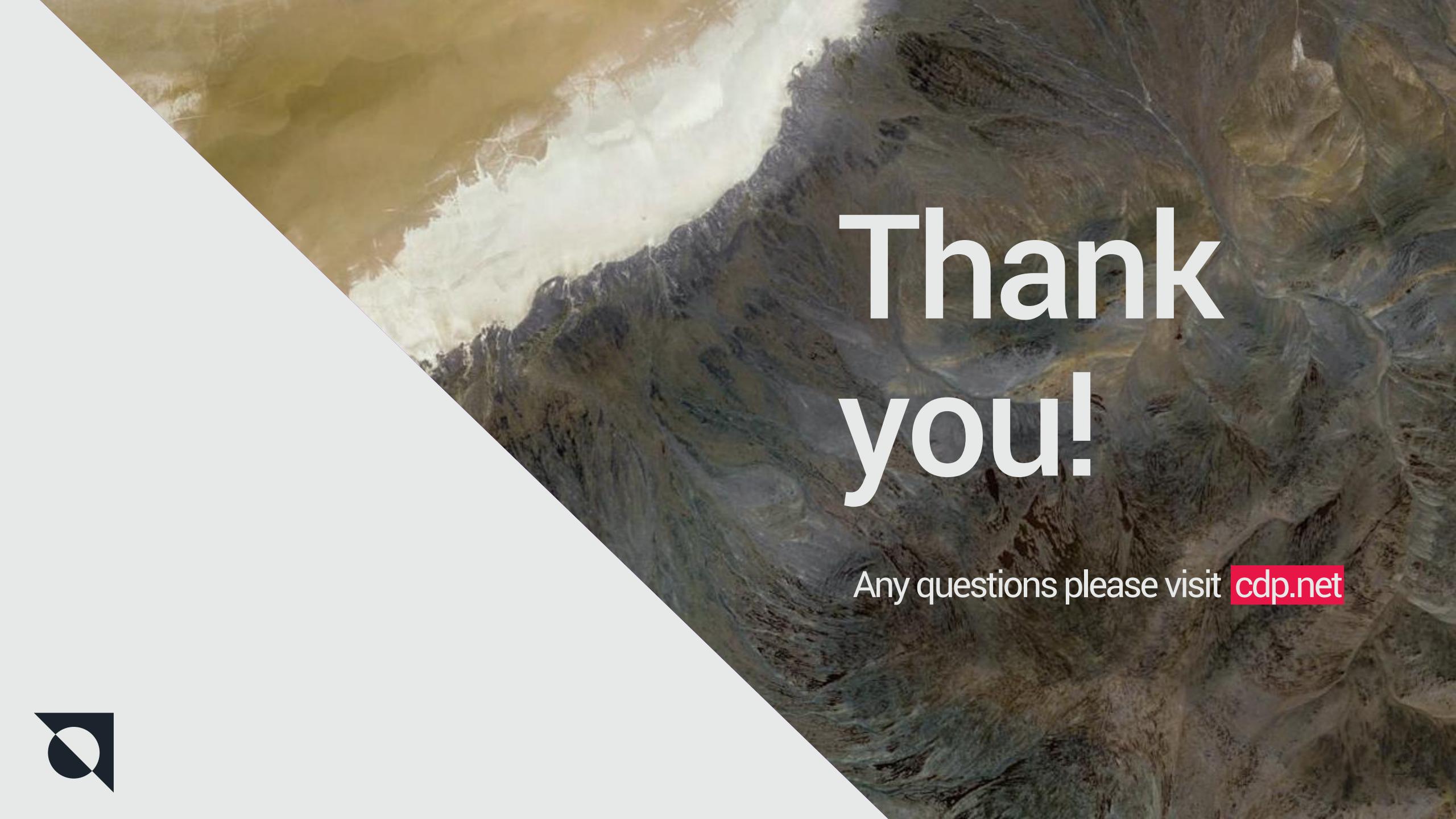
June:  
Questionnaires open in  
portal for responses

September 17:  
Submission deadline for  
scored responses

November 19:  
Submission deadline  
for unscored responses

June through September:  
Webinars, resources &  
support available





# Thank you!

Any questions please visit [cdp.net](http://cdp.net)

