



Resilience Plan: A Framework For The Milwaukee Metropolitan Area

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What Does MMSD Do?



Water Reclamation



Manage Flooding

Why Does A Utility Care About Resilience

- Everything is connected!
- Critical infrastructure (power, drinking water, wastewater, communications) are dependent on each other and equally vulnerable to changing urban conditions.
- MMSD relies on a strong tax base (influenced by businesses, transportation, amenities, public services, etc.) to fund repair and replacement of critical infrastructure.
- MMSD has a vested interest in the economic, environmental and social well-being of the region.

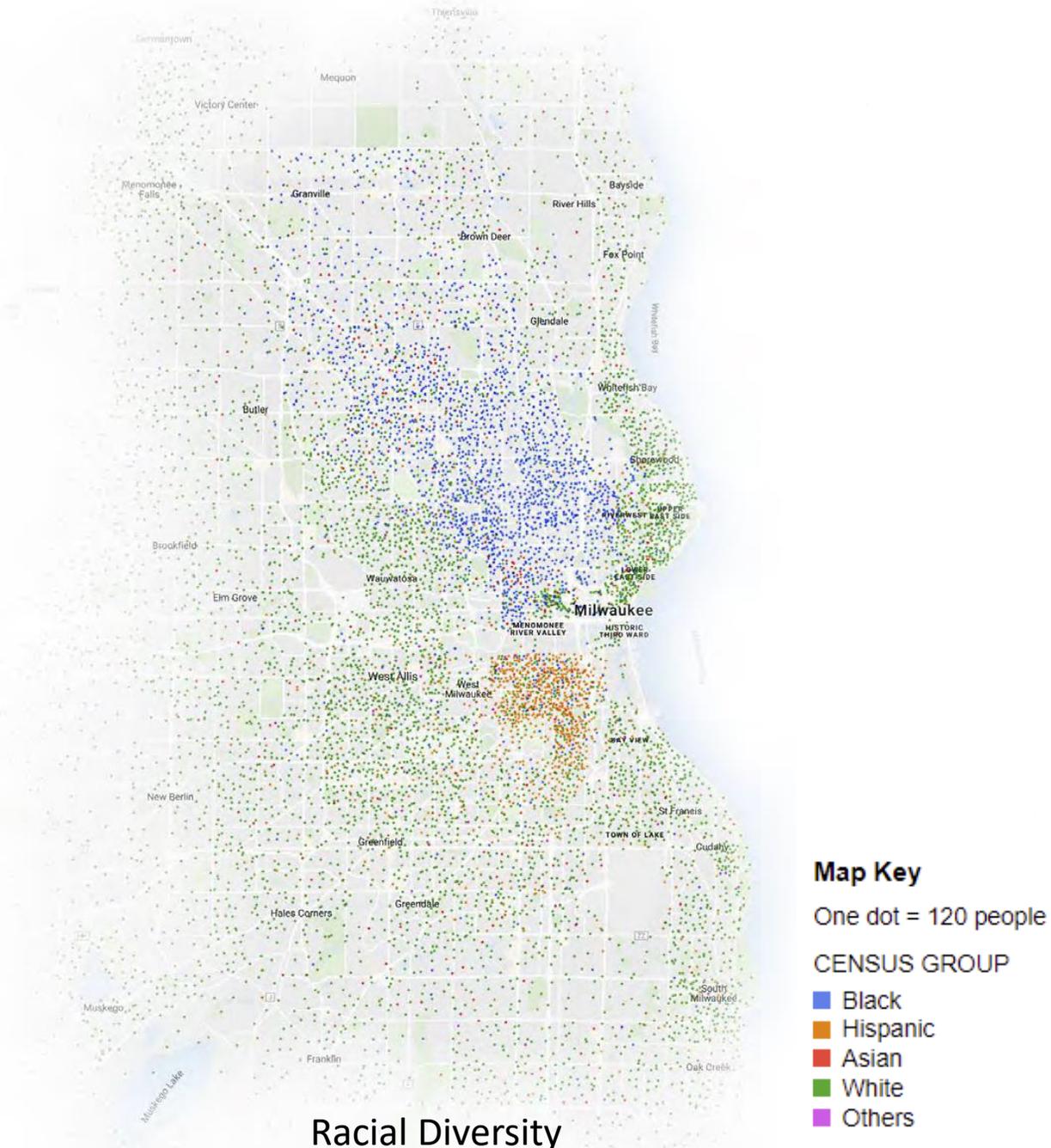


Climate Resilience

Climate resilience is the ability to anticipate, prepare for, and respond to hazardous events, trends, or disturbances related to climate. Improving climate resilience involves assessing how climate change will create new, or alter current, climate related risks, and taking steps to better cope with these risks.

Regional Challenges

- Distribution of minority populations aligns with significant disparities in income, poverty rates, and educational attainment between minority and non-minority populations
- Levy limits pose a challenge for how municipalities pay for critical services (police, schools, infrastructure, etc.)
- Climate change puts additional stress on our critical infrastructure when it must be maintained, improved, and expanded in uncertain financial and physical environments



Resilience Plan Objectives

- Identify and address challenges and risks in a proactive way
- Identify specific actions that stakeholders can implement in a cost-effective way that meets multiple goals
- Reduce the effect of the identified risks using a collective impact strategy in order to move in the same direction



The Process

- Individual interviews with municipalities & key stakeholders
- Advisory Committee input
- Two workshops to come to consensus about regional risks and actions to reduce risks (December 2017 & May 2018)
- Review of 98 international, national, state, and municipal plans
- Plan review resulted in identification of 300 actions
- Ranking of priority actions using weighted ranking system





Risk Workshops & Stakeholder Engagement

Identified Risks

Distribution Of Public Services

Social Equity

Ability To Adapt To Job Market Changes

Vulnerability Of Critical Infrastructure

Climatic Hazard

Financial Constraints

Reducing Risk Through Action

20 actions selected by stakeholders that are most impactful and feasible at addressing identified risks.

Make the Milwaukee region a better place to live by improving the public's participation in decision making and their environment.

Boost the region's economic vitality through innovative job creation and access to equal opportunities.

Adapt infrastructure to the challenges of the 21st century.



Improving Social Equity & Reducing Impacts From Climate Change



Action 4: Accelerate local efforts to improve communities by replacing grey impervious surfaces with green spaces

Action 9: Launch a utilities efficiency program to improve low-income housing and boost employment



Improving Social Equity & Reducing Impacts From Climate Change

Action 10: Create/connect job training/shadowing program with the schools and major employers in the region

Action 13: Create pathways to career success for young men and women of color

Implementing Resilience

Internally: MMSD will integrate actions into current and future projects

Externally: Looking for partners to implement actions that make sense for their organizational goals/objectives



A stronger more resilient region can only be achieved if we work together.



Thank You & Questions

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