



# IMPLEMENTING CLIMATE READY DC

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★ ★ ★ DEPARTMENT  
OF **ENERGY &  
ENVIRONMENT**

WE ARE  
WASHINGTON  
DC GOVERNMENT OF THE  
DISTRICT OF COLUMBIA  
MURIEL BOWSER, MAYOR

# 2016 – CLIMATE READY DC



- ① ANALYZE CLIMATE IMPACTS
- ② ASSESS RISKS & VULNERABILITIES
- ③ IDENTIFY & PRIORITIZE SOLUTIONS

**Heat waves** will grow longer, hotter, and more frequent as temperatures rise.

2080



2050



TODAY



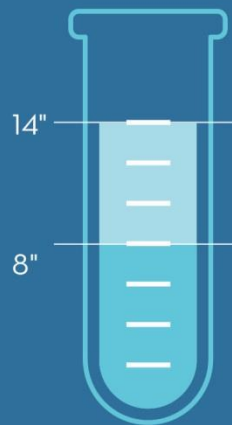
 Days in an average heat wave

Installing more lighter-colored roofs can keep the city cool.

COOL ROOFS  
ABSORB **70%**  
LESS SUNLIGHT  
& REDUCE  
SUMMER AIR  
TEMPERATURES  
BY **4-5°F**.



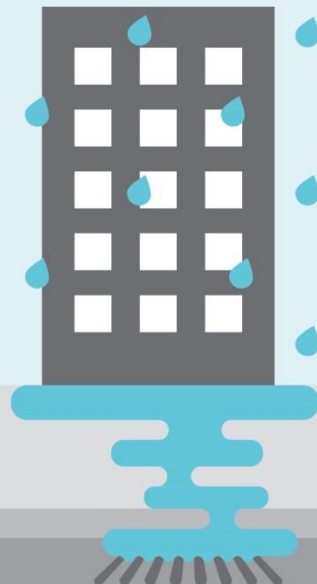
**Heavy rain events** that cause flooding and run-off pollution will happen more frequently and drop even more rain.



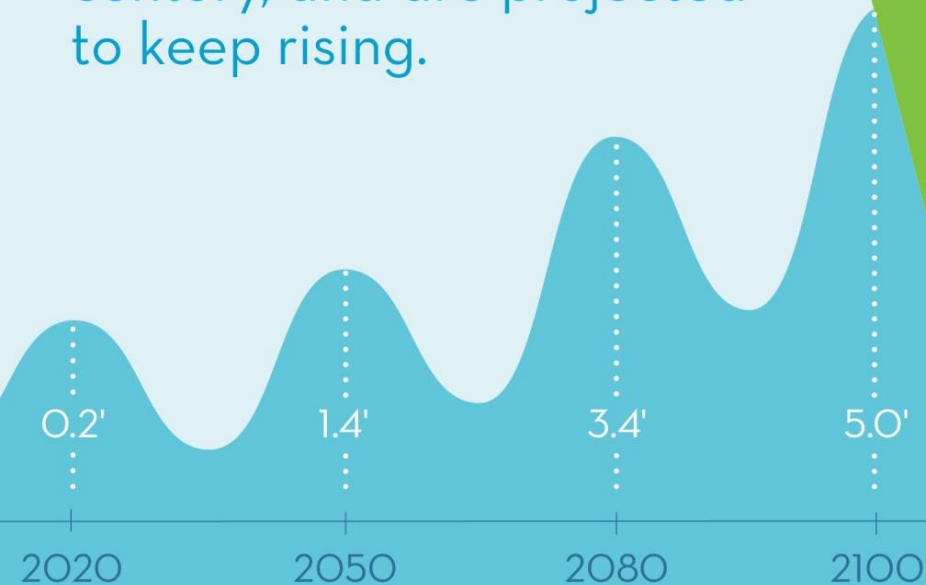
A HEAVY RAIN EVENT  
BY THE 2080s

TODAY'S HEAVY  
RAINFALL EVENT

Green solutions like  
raingardens, green roofs,  
and trees can help manage  
water from heavier rains.



**Tides** on the Potomac and Anacostia Rivers have risen 11 inches in the past century, and are projected to keep rising.



Restoring wetlands and natural shorelines along our rivers can help us adapt to rising tides and protect against flooding.

**AN ACRE OF WETLAND CAN STORE 1-1.5 MILLION GALLONS OF FLOODWATER.**





**Severe storms** like hurricanes and derechos could be energized by warmer air and water.

Technologies like solar panels coupled with batteries and microgrids can keep buildings running when storms knock out power.



# RESILIENCE SUCCESSES

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**Driving action in  
priority neighborhoods**

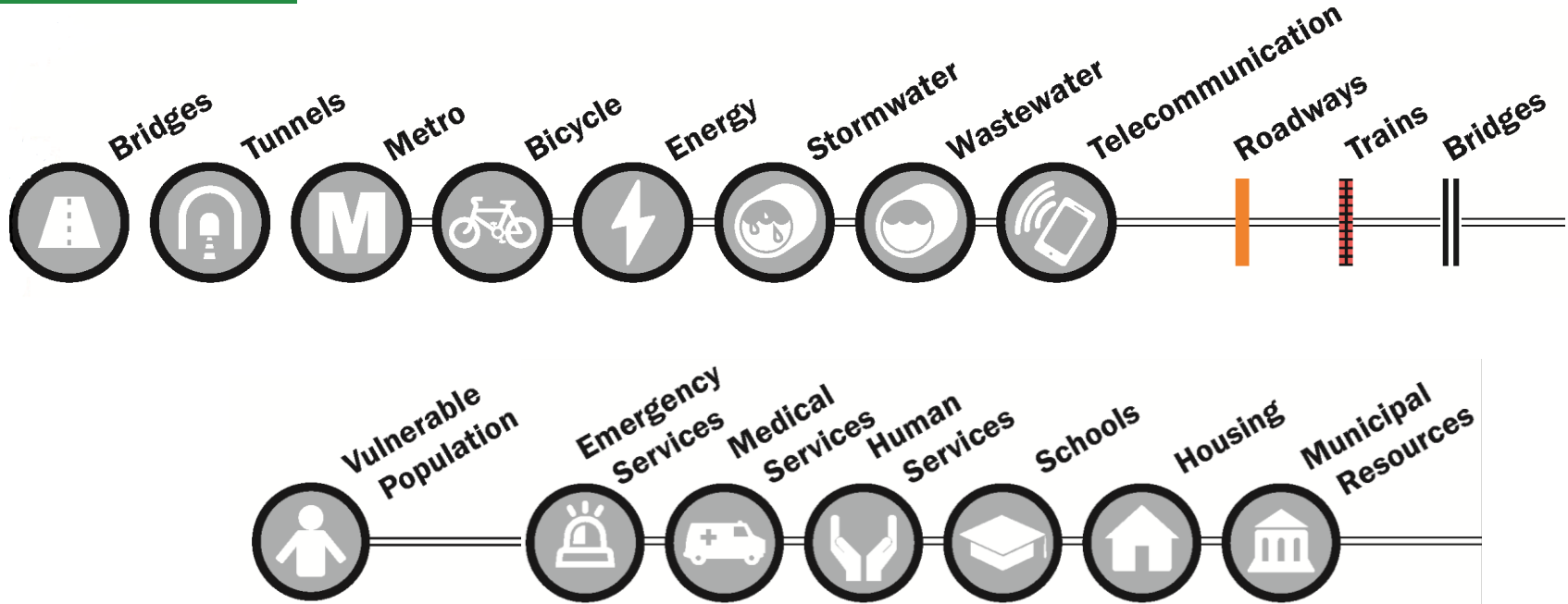


**Addressing stormwater  
through innovative  
policy**



**Assessing vulnerability  
in affordable housing**

# A WIDE RANGE OF PRIORITIES





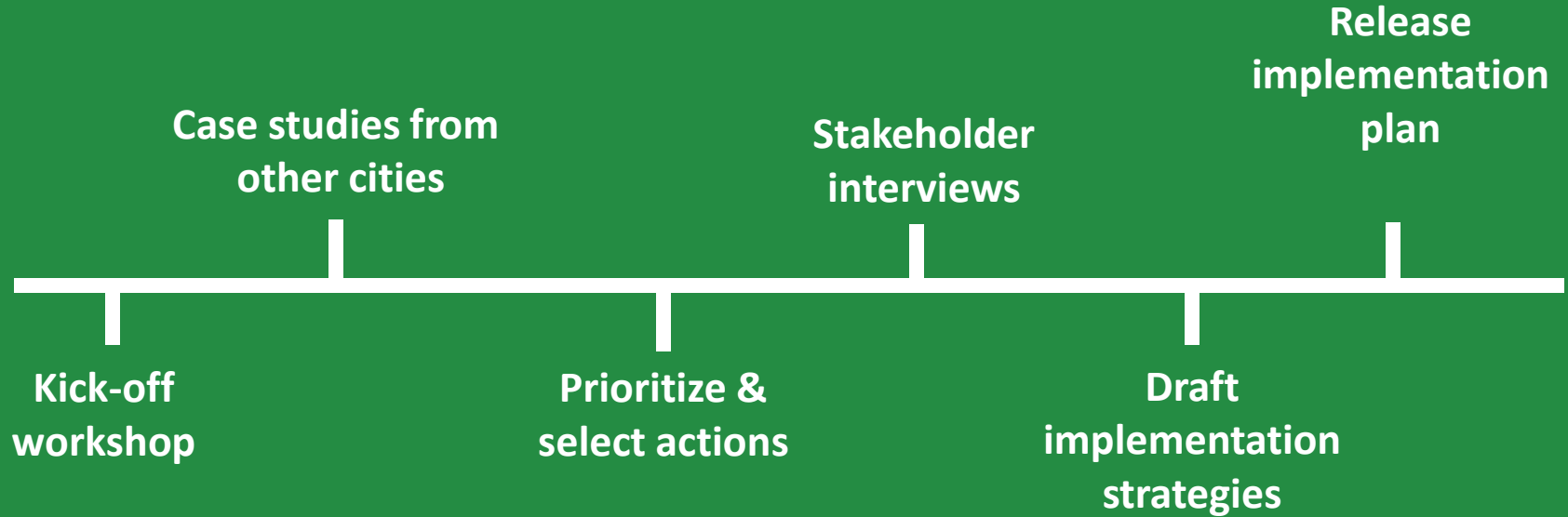
# LEVEL OF DETAIL

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Action Description		Leads & Partners			
Action #		Climate Risk			Timeframe
BD 7.3	Expand existing incentive programs to include thermal safety and urban heat island mitigation measures such as cool roofs, solar shading, and shade trees	Extreme heat	DOEE	DCSEU	Short

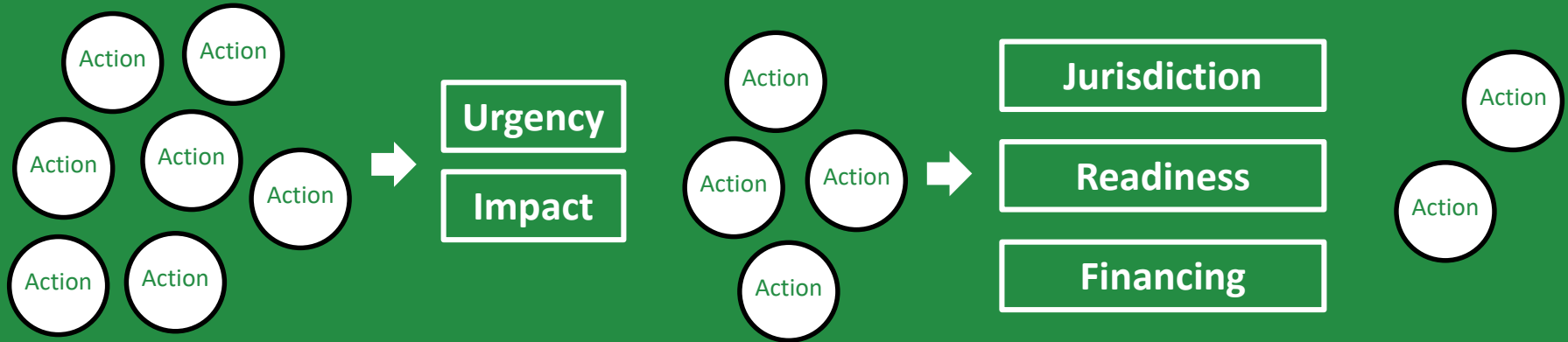
# OUR PROCESS

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# PRIORITIZING IMPLEMENTATION

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**But focusing on  
urgency and impact, presents**

**new challenges**

# Good Strategies

**Specific**  
**Measurable**  
**Actionable**  
**Relevant**  
**Time Bound**

<b>BD 7.3</b>	<b>Expand existing incentive programs to include thermal safety and urban heat island mitigation measures such as cool roofs, solar shading, and shade trees</b>	<b>Extreme heat</b>	<b>DOEE</b>	<b>DCSEU</b>	<b>Short</b>
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## How the Single Family Residential Rehabilitation Program Helps Homeowners

Under the SFRRP, DHCD provides funding for loans and grants, up to \$75,000 per household, to help keep homes safe and accessible.

### Rehabilitation Loans

The SFRRP offers low or zero interest loans to address building deficiencies. These loans are amortized for 20 years and are often deferred until the home is sold or refinanced.

### Roof Replacement Grants

Homeowners may be eligible for a grant for roof replacement (exterior roofing



**Cool Roof Program**

**Workforce Development Program**



# Good Strategies

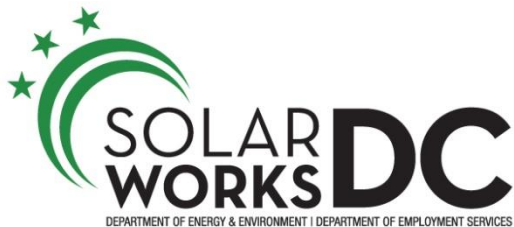
**Specific**  
**Measurable**  
**Actionable**  
**Relevant**  
**Time Bound**  
**Feasible**  
**Non-redundant**  
**Socialized**

# OUR REVISED PROCESS

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BD 7.3	Expand existing incentive programs to include thermal safety and urban heat island mitigation measures such as cool roofs, solar shading, and shade trees	Extreme heat	DOEE	DCSEU	Short
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Evaluator

DOEE

Neutral  
Facilitator

Georgetown  
Climate  
Center



**Create  
neighborhood  
scale resilience  
hubs**

**Create an  
integrated  
workforce  
development  
program**

**Expand workforce  
opportunities for  
youth**

Summary of EAG Recommendations

Advisory Group (EAG) met monthly for seven months to develop and prioritize recommendations on how to implement the Climate Ready DC and Clean Energy DC plans to benefit residents in Ward 7. EAG dialogues focused on shared learning, discussion, and priority setting with support from the Mayor, and Skeo. This document summarizes the outcomes of the dialogues. The following priorities in Ward 7 related to the Climate Ready DC and Clean Energy DC plans are provided to provide ongoing



# COMMUNITY ENGAGEMENT STEPS (PART 1)

STEP

1

## Scope the Project

- ▶ Identify a plan or project that needs community input
- ▶ Conduct initial outreach to assess interest & understand community context
- ▶ Consider who could serve as a community-knowledge broker and engage early-on

## Identify Funding

- ▶ Figure out what resources are needed to make the project happen
- ▶ Consider partnering with a NGO (such as a community foundation) to jointly pursue funding

STEP

2

STEP

3

## Build the Project Team

- ▶ Identify partners that can fill core competencies, including community based organizations
- ▶ Contract to fill any additional roles including facilitator and evaluator

## Form the Committee

- ▶ Define who needs to be included in a "representative" committee
- ▶ Create a methodology for recruiting members
- ▶ Put methodology into practice

STEP

4



# COMMUNITY ENGAGEMENT STEPS (PART 2)

STEP  
5

## Create a Meeting Structure that Works

- ▶ Agree on expectations for participation with committee members
- ▶ Build agendas that encourage active participation
- ▶ Collect feedback from committee members about what works and what needs to be revised

## Collaboratively Develop Recommendations

- ▶ Co-define vision and scope for committee deliverables
- ▶ Build committee knowledge and connect members to subject matter experts as needed
- ▶ Develop recommendations and take consensus vote to adopt recommendations

STEP  
6

STEP  
7

## Share Recommendations Beyond the Committee

- ▶ Work with the committee to understand when and how they want to share their recommendations with others or get community input
- ▶ Co-plan public meetings or events to share the recommendations

## Remain Accountable and Maintain Relationships

- ▶ Reach an agreement with committee members on what success would look like
- ▶ Agree on plan for updating committee members on progress

STEP  
8

# THANK YOU.

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