Hazards and Climate Resilience Plan

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Capital Planning Committee
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Related Citywide Efforts

Hazard & Climate Resilience Plan

Climate Action Plan

Sea Level Rise Action Plan & V/C Analysis
Why the HCR Matters

- Makes hazard information more accessible
- Provides a roadmap to improve resilience that captures previous and ongoing mitigation and adaptation efforts
- Identifies projects for strategic funding
- Focus on vulnerable communities, equity, and health
- Extensive department and stakeholder engagement
Meets Federal, State, and Local Requirements

- **Federal:** Assures eligibility for FEMA disaster mitigation grants, and can reduce local cost share for Public Assistance
- **State:** Adheres to climate vulnerability assessment and adaptation planning
- **Local:** Climate adaptation component of Climate Action Plan
FEMA Comments

- "Excellent cross-cutting integration of the HMP, climate adaptation and community safety element."
- “Stakeholder engagement was incredibly thorough and well thought out.”
- "Comprehensive set of mitigation actions in this plan shows a great commitment to risk reduction."
- "Clear maps...very useful for sharing information about hazards in the community"
Core Agencies and Planning Principles

- Equity and Health
- Community Cohesion
- Affordability and Economic Vitality
- Climate Mitigation
- Biodiversity & Connection to Nature
- Science-Grounded Innovation
- Good Governance
Goals & Contents

Chapters
1. Introduction
2. Planning Process
3. Risk Landscape
4. Hazard Analysis
5. Vulnerability & Consequences
6. Capabilities
7. Strategy
8. Plan Maintenance
Hazards Analysis

Climate change analysis incorporated into relevant hazards

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Sample Map</th>
<th>Legend</th>
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<tbody>
<tr>
<td>Earthquake</td>
<td>Geological</td>
<td>![Geological Icon]</td>
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<tr>
<td>Tsunami</td>
<td>Weather-Related</td>
<td>![Weather-Related Icon]</td>
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<tr>
<td>Landslide</td>
<td>Combustion-Related</td>
<td>![Combustion-Related Icon]</td>
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<td>Dam or Reservoir Failure</td>
<td>Biological &amp; Toxic</td>
<td>![Biological &amp; Toxic Icon]</td>
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<td>Flooding</td>
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<td>High Wind</td>
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<td>Extreme Heat</td>
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<td>Drought</td>
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<td>Large Urban Fire</td>
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<td>Wildfire</td>
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<td>Poor Air Quality</td>
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<td>Pandemic</td>
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<td>Hazardous Materials</td>
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Over 95 Strategies To Mitigate Risks

**DOMAIN: RESILIENT COMMUNITIES (C)**

**Primary Hazard Group: All Hazards**

<table>
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<tr>
<th>C-5.15</th>
<th>Study the overlap between vulnerable populations and vulnerable buildings</th>
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<tbody>
<tr>
<td><strong>KEY PLANNING ISSUES:</strong></td>
<td><strong>VULNERABILITY ADDRESSED:</strong></td>
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<tr>
<td>Housing, Existing Building</td>
<td>Private buildings (residential, commercial and industrial) are not designed to accommodate flooding, future heat impacts, poor air quality, and other natural and climate hazards. Vulnerable populations are disproportionately impacted by climate and other natural hazards and have fewer resources to make climate resilient home and business improvements.</td>
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| **LEAD:** | **STRATEGY SUMMARY:** |
| Planning/DPH/ORCP | Study the overlap between vulnerable populations and vulnerable building types for natural and climate hazards. This will help identify property types and locations that may be particularly vulnerable (such as permanent affordable housing, SRO’s, etc.) to hazards and may need public subsidy or technical support to equitably pursue resilience measures. Public engagement efforts to date have identified specific vulnerabilities to consider, from San Franciscans who rely on electricity for their medical needs, to inaccessible routes of emergency evacuation. |
| **PARTNERS:** | |
| DBI, SFPUC, SFE, MOHCD, | |

| **COST:** | **SF GOVERNMENT ACTIVITY:** | **STATUS:** |
| Low: $0–500K | Research, Planning & Guidance | New |

Sample Strategy
Next Steps

- **Annual progress reporting**
  - Reporting form out to departments in February 2020

- **Implementation**
  - Integration in 10-Year Capital Plan update, Safety Element update, Capital Budget requests
  - Hazard Mitigation Grant Program funding opportunities

- **Continued stakeholder engagement**
Thanks!

Any questions?

You can find us at:

https://onesanfrancisco.org/hazard/overview

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