

# Visioning and Principles Work Group

## Review of Existing Resilience Visions and Frameworks

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This document is meant to serve as a discussion piece for the SB 246 Technical Advisory Council Visioning and Principles Work Group. The following are varying examples of ways that different cities and organizations have approached displaying visions or frameworks for resilience.

### Rockefeller Foundation: City Resilience Framework<sup>1</sup>

This framework builds on the fact that city populations are growing, and in the face of risks and uncertainty, governments must support and foster more resilient cities with a common understanding of what constitutes a resilient city and how it can be achieved. This framework is noted to be unique for the fact that it combines the physical aspects of cities with the less tangible aspects associated with human behavior.

The City Resilience Framework is comprised of 12 key goals that describe the fundamental outcomes of a resilient city. These *goals* fall into 4 *categories*:

1. Health and wellbeing of individuals (people)
    - Minimal human vulnerability
    - Diverse livelihoods and employment
    - Effective safeguards to human health and life
  2. Urban systems and services (place)
    - Reduced exposure and fragility
    - Effective provision of critical services
    - Reliable mobility and communications
  3. Economy and society (organization)
    - Collective identity and community support
    - Comprehensive security and rule of law
    - Sustainable economy
  4. Leadership and strategy (knowledge)
    - Effective leadership and management
    - Empowered stakeholders
    - Integrated development planning
- The framework document also describes the literature review, case studies, and field work that was utilized to define *qualities* of resilient systems: reflective, robust, redundant, flexible, resourceful, inclusive, integral
  - The framework document provides examples of these goals in action in several cities

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<sup>1</sup> <https://assets.rockefellerfoundation.org/app/uploads/20160105134829/100RC-City-Resilience-Framework.pdf>

## San Francisco Estuary Institute Aquatic Science Center: Vision for a resilient Silicon Valley landscape<sup>2</sup>

The vision document was developed by applying a set of resilience principles (which were developed in an earlier framework<sup>3</sup> document) to identify landscape elements in Silicon Valley that are likely to contribute to resilience in the region. The document is intended to provide a broad foundation for restoration and management strategies and contribute to discussions amongst scientists, planners, managers, and other stakeholders about specific actions that would improve landscape resilience.

That framework from which the vision document was based identifies seven fundamental principles of landscape resilience:

1. Setting: Unique geophysical, biological, and cultural aspects of a landscape that determine potential constraints and opportunities for resilience
2. Process: Physical, biological, and chemical drivers, events, and processes that create and sustain landscapes over time
3. Connectivity: Linkages between habitats, processes, and populations that enable movement of materials and organisms
4. Diversity and Complexity: Richness in the variety, distribution, and spatial configuration of landscape features that provide a range of options for species
5. Redundancy: Multiple similar or overlapping elements or functions within a landscape that promote diversity and provide insurance against loss
6. Scale: The spatial extent and time frame at which landscapes operate that allows species, processes, and functions to persist
7. People: The individuals, communities, and institutions that shape and steward landscapes

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<sup>2</sup> [http://www.sfei.org/sites/default/files/biblio\\_files/SFEI\\_2015\\_Vision%20for%20Resilient%20Silicon%20Valley.pdf](http://www.sfei.org/sites/default/files/biblio_files/SFEI_2015_Vision%20for%20Resilient%20Silicon%20Valley.pdf)

<sup>3</sup> [http://resilientsv.sfei.org/sites/default/files/general\\_content/SFEI\\_2015\\_Landscape%20Resilience%20Framework.pdf](http://resilientsv.sfei.org/sites/default/files/general_content/SFEI_2015_Landscape%20Resilience%20Framework.pdf)

## Chicago Metropolitan Agency for Planning | On To 2050 Climate Resilience Strategy Paper<sup>4</sup>

This strategy paper provides recommendations to build climate resilience through land use planning, infrastructure planning, natural resource management, economic development, and capacity building. This document includes background on climate impacts in the region, a framework of guiding resilience principles and strategies that follow.

### *Climate Resilience Resource Group*

CMAP convened a Resource Group about once per month for nine months. Co-chaired by the Chicago Community Trust, the group included 15 stakeholders with a wide range of backgrounds, including transportation, stormwater management, land use, energy, public health, environmental justice, emergency response and hazard mitigation, urban design, landscape architecture, and planning

### *Guiding Principles*

Through a series of visioning activities, the Climate Resilience Resource Group chose three overarching principles as a framework for the region to develop resilience strategies:

- (1) Responsive and robust infrastructure,
- (2) Participatory and integrated processes, and
- (3) Equitable reduction of vulnerability.

Together, these guiding principles acknowledge the interconnected physical, ecological, and social systems that make up the region.

### *Resilience Strategies*

The strategies fall under seven main themes:

1. Planning for Climate Change
2. Promoting Climate-Resilient Infrastructure
3. Building Resilient Transportation Networks
4. Addressing Climate Change through Natural Resource Management
5. Building Resilience in the Energy Sector
6. Fostering Economic Resilience
7. Building Capacity for Resilience Planning

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<sup>4</sup> <http://www.cmap.illinois.gov/documents/10180/517388/Climate+Resilience+Strategy+Paper/dd610883-d00f-407d-808b-484f9800a3f6>

## The Blueprint: A Preview of The Principles & Framework for Boston's Resilience Strategy

This Blueprint previews the Visions and Goals of Boston's Resilience Strategy, built upon the racial equity framework described throughout this document. The document describes the following:

*"VISIONS describe the conditions that result from a resilient and racially equitable Boston. These are broader, long-term conditions that will take time to realize, but will improve the lives of all Bostonians. We have identified four distinct visions that capture different aspects of the lives of Boston residents.*

*GOALS are specific accomplishments necessary for Boston to achieve these Visions. These are long-term accomplishments that, when achieved, will work in conjunction with one another to improve the lives of Boston residents holistically."*

These visions and goals are structured in the following way:

### 1. *Reflective City, Stronger People*

- GOAL 1.1: Advance the ongoing development of community training for healing, well-being, and preparedness in the face of chronic stresses and traumatic events.
- GOAL 1.2: Facilitate an open, ongoing dialogue for healing, learning, and action to address racism and strengthen social cohesion in communities.
- GOAL 1.3: Acknowledge the damage that systemic racism continues to inflict on our communities and develop deliberate institutional approaches to achieve and sustain racial equity in Boston policies, practices, and culture.

### 2. *Collaborative, Proactive Governance*

- GOAL 2.1: Ensure employment equity and better serve all Bostonians by increasing the representation of the city's diverse population in city government.
- GOAL 2.2: Enhance decision-making capacity in city government by bringing together our residents' and our government representatives' knowledge and skills to better develop policies, practices, and processes.
- GOAL 2.3: Improve the collaboration, evaluation, and delivery of city services to better meet the needs of all Boston residents.

### 3. *Equitable Economic Opportunity*

- GOAL 3.1: Increase access to good-paying jobs, entrepreneurial opportunities, and asset building strategies.
- GOAL 3.2: Ensure safe, affordable, stable housing for all Bostonians.
- GOAL 3.3: Enhance digital equity by increasing access to technology tools, computers and the Internet.
- GOAL 3.4: Prioritize equitable education opportunities to close the gap for young people of color.

#### 4. *Connected, Adaptive City*

- GOAL 4.1: Develop a redundant and reliable public transportation network to provide equitable accessibility for all Bostonians.
- GOAL 4.2: Prepare for the impacts of climate change and other threats while accelerating sustainable infrastructure, environment, and communities.
- GOAL 4.3: Improve the collaboration of partners working in Boston communities to address climate change and other emergencies.

### City of LA: Sustainable City pLAN<sup>5</sup>

The Sustainable City pLAN is a roadmap for a Los Angeles that is environmentally healthy, economically prosperous, and equitable in opportunity for all — now and over the next 20 years. The pLAN focuses on both short-term results and long term goals that will transform our City

The pLAN is structured by providing a consistent lay out for each aspect of LA by providing a:

1. Vision for LA's future
  - This vision is parsed out into long-term outcomes to be achieved over the next two decades in 14 key aspects of our environment, our economy and our measures of social equity.
2. Pathway to short-term results that lay the foundation for long-term outcomes
  - Creates a set of near-term, back-to-basics outcomes by 2017 that create a foundation to achieve transformational change by 2025 and 2035.
3. Framework to build out policies
  - Lays out strategies and priority initiatives that will be developed and detailed to deliver the tangible outcomes in the pLAN.
4. Platform for collaboration
5. Set of tools to help manage LA
6. Dashboard of sustainability metrics to transparently measure progress
7. Pathway for engaging residents

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<sup>5</sup> <http://plan.lamayor.org/about-the-plan/>