



Additional Resources

DECEMBER 2023

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ADDITIONAL RESOURCES

SANDAG RESOURCES

Holistic Implementation of Adaptation and Transportation Resilience Strategies

In December 2021, SANDAG completed the Holistic Implementation of Adaptation and Transportation Resilience Strategies (HIATRS) project to support local jurisdictions transitioning from planning to implementing their climate change mitigation and adaptation work. The project resulted in the following resources to assist local planning staff and decision-makers as they implement climate adaptation strategies:

- **[Prioritization Tool and Guidebook](#)**: A toolkit to help local jurisdictions prioritize implementation of adaptation and transportation resilience strategies.
- **[Equity-First Approach to Climate Adaptation Guidance](#)**: Provides resources for local jurisdictions to ensure that adaptation measures are equitable for all in their communities.
- **[Economic Guidance for Climate Adaptation](#)**: Provides guidance to help local jurisdictions consider the economic implications of adaptation strategies.

Military Installation Resilience Framework

SANDAG and Navy Region Southwest worked together with regional stakeholders to address climate change impacts that could affect the resiliency of local naval installations and harm efforts to remain mission-ready. With support from grants awarded by the Department of Defense Office of Local Defense Community Cooperation, SANDAG identified three major transportation corridors at the highest risk of climate change impacts and of high strategic importance for Navy mission readiness. These corridors are:

- SR 75 and SR 282 in the Cities of San Diego and Coronado
- Harbor Drive in the City of San Diego
- Pacific Coast Highway in the City of San Diego

The [Military Installation Resilience Framework](#) includes multiple appendices, including [Resilient Infrastructure Project Guides](#) that were developed as a part of the project and explore nature-based solutions.

Regional Adaptation Needs Assessment

The 2021 [Regional Adaptation Needs Assessment](#) was designed to inform regional and local planning efforts and to strengthen the linkage between existing mitigation and adaptation planning efforts. The Needs Assessment is multi-disciplinary, addressing multiple climate impacts to best identify cross-sectoral needs and future opportunities for collaboration.

ADDITIONAL ADAPTATION PLANNING RESOURCES

SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS

Southern California Association of Governments Adaptation Planning Guide October 2020

The purpose of the Southern California Association of Governments (SCAG) Adaptation Planning Guide (SoCal APG) is to “help the region prepare for the negative impacts of climate change.” SoCal APG is one element of the overall Climate Adaptation Framework, which includes other resources such as a document titled Outreach Strategies & Templates, a library of model policies, a Senate Bill (SB) 379 Guidebook, and a Climate Risk & Vulnerability Analysis Tool. The SoCal APG is the primary source of guidance for jurisdictions to create climate adaptation plans and programs. The SoCal APG includes the neighboring jurisdictions within the SANDAG region as part of the intended audience, and much of the document is directly applicable.

The SoCal APG begins with a thorough representation of climate change projections and SCAG region impacts,

as well as existing resources. The SoCal APG discusses the importance of community outreach and presents equitable engagement strategies. It then walks through and expands upon the phases and steps outlined in the California Adaptation Planning Guide. Finally, the SoCal APG includes the following eight appendices that contain a plethora of analysis and tools for jurisdictions to refer to:

- Appendix A: Helpful Tools and Resources for Adaptation Planning
- Appendix B: Matrix of Adaptation Strategies and Actions
- Appendix C: Gap Analyses of Existing Countywide Climate Change Vulnerability Assessments and Climate Adaptation Policies in the SCAG Region
- Appendix D: Decision Tree Tool
- Appendix E: Funding and Financing Climate Adaptation Infrastructure
- Appendix F: General Plan and Local Coastal Program Model Policies
- Appendix G: Indicators and Performance Metrics Worksheet
- Appendix H: Adaptation Project Tracking

Association of Bay Area Governments Regional Resilience Toolkit July 2019

The Association of Bay Area Governments (ABAG) Regional Resilience Toolkit was created in partnership with ABAG, the U.S Environmental Protection Agency, and the Federal Emergency Management Agency, among other State and local government contributors. The purpose of the toolkit is to provide local jurisdictions with resources and tools to successfully meet various adaptation planning requirements, effectively engage with the public, and provide guidance on the creation of adaptation planning documents and the associated analysis reports. Ultimately, the goal of the toolkit is to assist in the creation of a crosswalk document that satisfies a number of legal requirements including those associated with the Local Hazard Mitigation Plan and Climate Adaptation Plan. The toolkit presents a 5-step process to planning for regional resilience:

1. Engage: Engagement for Resilience
2. Assess: Vulnerability Analysis
3. Act: Identify and Prioritize Strategies
4. Fund: Fund for Action
5. Measure: Evaluate Results and Refine Methods

The appendices provide further details on the 5-step method, as well as worksheets for engagement practices.

Western Riverside Council of Governments Resilient IE Toolkit February 2020

The Resilient IE Toolkit specifically focuses on the most predominant climate change related hazards in the inland areas of Southern California that are projected to impact transportation infrastructure. However, the methods and guidance may be extrapolated to inform a broader scope of jurisdictions and vulnerabilities. The Resilient IE Toolkit presents several tools to plan for hazard events:

- Review Vulnerable Assessment Tool
- Evacuation and Transportation Route Hazard Mapping Tool
- List of Adaptation Strategies
- Resilience Template

The toolkit includes a completed vulnerability assessment for all cities within the Western Riverside Council of Governments Inland Region that identifies the most threatening hazards and susceptible populations in each jurisdiction. It also presents and discusses other related plans and reports such as the Resilient Transportation Infrastructure and the Implementation Handbooks.

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