Plan Bay Area 2050+ Final Blueprint: Draft Resilience Project List[1]
Attachment E

Locally Developed Projects: Strategy EN1. Adapt to Sea Level Rise[2]

Project ID	Project Title/Program	Scope	Project Site Status	Opening Period	Location	Total Cost (YOE, millions$)
5294	South Bay Salt Ponds: Eden Landing - Southern Eden Landing (Phase 2)	Levees and dikes; Restoration/Rehabilitation/Enhancement	Planning/Scoping	2025-2035	Alameda	$80
5302	Restore Hayward Marsh (Former USD Treatment Marsh)	Other	Planning/Scoping	2025-2035	Alameda	$40
9403	San Leandro Treatment Wetland for Pollution Reduction, Habitat Enhancement, and Shoreline Resiliency	Restoration/Rehabilitation/Enhancement	In-progress/Implementation	2025-2035	Alameda	$1
9820	EBDA First Mile Horizontal Levee Project	Ecotone Levees	Proposed	2025-2035	Alameda	$118
10552	Long Beach Restoration Project Design	Other	Planning/Scoping	2025-2035	Alameda	Committed Funding
11042	Hayward Area Shoreline Adaptation Master Plan (SAMP) Planning Area	Ecotone Levees; Elevate or realign transportation; Levees and dikes; Other;	In-progress/Implementation; Planning/Scoping; Proposed	2025-2035	Alameda	$1,301
800000	Bay Farm Island Project	Other	Proposed	2025-2035	Alameda	$68
5330	Berkeley North Basin Strip - McLaughlin Eastshore State Park	Other; Restoration/Rehabilitation/Enhancement	Planning/Scoping	2036-2050	Alameda	$14
5386	Intertidal Habitat Improvement Project - McLaughlin Eastshore State Park	Restoration/Rehabilitation/Enhancement	Planning/Scoping	2036-2050	Alameda	$2
10302	Marina Sea Level Rise (BMASP)	Flood walls and berms; Seawalls	Proposed	2036-2050	Alameda	Committed Funding
10501	Emeryville CAP - Emeryville Crescent Marsh Living Levee (Or Other Protective Measures)	Ecotone Levees	Identified Need	2036-2050	Alameda	$169
11004	SLR Road Map - Bay Bridge Touchdown Living Levee	Ecotone Levees	Proposed	2036-2050	Alameda	$10
11402	Estudillo Canal Reconstruction	Levees and dikes; Tide Gate	Proposed	2036-2050	Alameda	$51
11575	Monarch Bay Shoreline Development Project	Revetments and riprap	Planning/Scoping	2036-2050	Alameda	$52
11576	Neptune Drive Floodwall Project	Levees and dikes	In-progress/Implementation	2036-2050	Alameda	$5
786000	Berkeley Pier Project	Elevate land; Realign Transportation	Planning/Scoping	2036-2050	Alameda	$113
799000	Oakland-Alameda Estuary Adaptation Project	Other	Proposed	2036-2050	Alameda	$146
7851	Alameda Point	Elevate land; Levees and dikes; Restoration/Rehabilitation/Enhancement; Seawalls	Completed; Planning/Scoping; Proposed	2025-2035	Alameda, San Francisco	$381
80802	Alviso Wetland Railroad Adaptation Alternative	Elevate or realign transportation	Planning/Scoping	2036-2050	Alameda, Santa Clara	$3,022
5328	East Antioch Creek Marsh Restoration	Restoration/Rehabilitation/Enhancement	Planning/Scoping	2025-2035	Contra Costa	$6

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1. The Resilience Project List is built off the Sea Level Rise Adaptation Funding and Investment Framework (Framework), a co-led effort by MTC/ABAG and the Bay Conservation and Development Commission (BCDC).
2. Defining information was provided by local governments. First compiled in 2022-2023 and updated in spring 2024.

Project ID	Project Title/Program	Scope	Project Site Status	Opening Period	Location	Total Cost (YOE, millions$)
5339	Big Break Regional Shoreline - Wetland Restoration and Public Access	Other	Planning/Scoping	2025-2035	Contra Costa	$22
5757	Lower Wildcat Creek	Restoration/Rehabilitation/Enhancement	Planning/Scoping	2025-2035	Contra Costa	$1
5871	Marsh Creek Habitat Enhancement Project	Restoration/Rehabilitation/Enhancement	Construction in-progress	2025-2035	Contra Costa	Committed Funding
9913	North Richmond Shoreline Living Levee	Other	Planning/Scoping	2025-2035	Contra Costa	$20
21703	ouR Home - Resilient By Design	Ecotone Levees; Levees and dikes; Restoration/Rehabilitation/Enhancement	Proposed	2025-2035	Contra Costa	$237
782000	Waterfront Marina Trust Land Use Plan	Seawalls	In-progress/Implementation	2025-2035	Contra Costa	$15
5309	Pacheco Marsh Restoration	Acquisition/Preservation/Protection; Restoration/Rehabilitation/Enhancement	In-progress/Implementation	2036-2050	Contra Costa	$15
5292	Bel Marin Keys V Wetlands Restoration	Restoration/Rehabilitation/Enhancement; Sediment Management	Completed; In-progress/Implementation	2025-2035	Marin	$156
5379	Bolinas Lagoon North End Wetland Enhancement/SLR Adaptation Project	Restoration/Rehabilitation/Enhancement	Planning/Scoping	2025-2035	Marin	$53
5469	Tiscornia Marsh Restoration and Sea Level Rise Adaptation Project	Levees and dikes; Restoration/Rehabilitation/Enhancement	In-progress/Implementation	2025-2035	Marin	<$1
7865	Marina Village Flood Berm Upgrades	Flood walls and berms	Unknown	2025-2035	Marin	$87
7868	San Quentin Pump Station Reconstruction	Storm Drains and Stormwater Pumps	In-progress/Implementation	2025-2035	Marin	$10
9811	Evolving Shorelines Project at Bothin Marsh	Ecotone Levees; Restoration/Rehabilitation/Enhancement; Sediment	Planning/Scoping	2025-2035	Marin	$1
11547	The Corte Madera Climate Adaptation Assessment	Elevate or realign transportation; Restoration/Rehabilitation/Enhancement	Planning/Scoping; Proposed	2025-2035	Marin	$16
11578	Mill Valley Flood Management and Storm Drain Master Plan	Storm Drains and Stormwater Pumps	Proposed	2025-2035	Marin	$53
811000	Manzanita Sea Level Rise	Elevate or realign transportation	Planning/Scoping	2025-2035	Marin	$1,252
5422	McInnis Marsh Habitat Restoration	Restoration/Rehabilitation/Enhancement; Sediment Management	Planning/Scoping	2036-2050	Marin	$19
5423	Corte Madera Creek - College of Marin "Dog Park" Habitat Restoration	Restoration/Rehabilitation/Enhancement	Planning/Scoping	2036-2050	Marin	$1
9066	New Life for Eroding Shorelines	Restoration/Rehabilitation/Enhancement; Sediment Management	Planning/Scoping	2036-2050	Marin	Committed Funding
9420	Deer Island Basin Complex Tidal Wetlands Restoration	Restoration/Rehabilitation/Enhancement	In-progress/Implementation; Planning/Scoping	2036-2050	Marin	$87
10788	Transforming Marin City's Urban Wetland	Other	Planning/Scoping	2036-2050	Marin	$4
11079	Santa Venetia Levee Upgrade Project (South Fork Gallinas Creek)	Flood walls and berms	Permitting	2036-2050	Marin	Committed Funding
30102	Protect Belvedere (Belvedere Critical Infrastructure Project)	Levees and dikes	Proposed	2036-2050	Marin	$51

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Project ID	Project Title/Program	Scope	Project Site Status	Opening Period	Location	Total Cost (YOE, millions$)
790000	Cardinal Road Levee Upgrade Project	Flood walls and berms	Proposed	2036-2050	Marin	$6
798000	Marin City Stormwater Plan	Other	Planning/Scoping	2036-2050	Marin	$0
812000	Lagunitas Creek Bridge	Elevate or realign transportation	In-progress/Implementation	2036-2050	Marin	$84
813000	US 101 at Marin City	Storm Drains and Stormwater Pumps	In-progress/Implementation	2036-2050	Marin	$33
815000	Tomales Bay	Bulkheads	Proposed	2036-2050	Marin	$66
80605	SR 37 Corridor - Ultimate Project	Elevate or realign transportation; Levees and dikes	Planning/Scoping; Proposed	2036-2050	Marin, Napa, Solano, Sonoma	$11,354
5321	Novato Baylands	Restoration/Rehabilitation/Enhancement	Planning/Scoping	2025-2035	Marin, Sonoma	$7
10242	Adaptation and Resilience Plan for the Petaluma River Baylands	Restoration/Rehabilitation/Enhancement	Proposed	2025-2035	Marin, Sonoma	$0
10406	American Canyon Wetlands Restoration Plan	Restoration/Rehabilitation/Enhancement	Planning/Scoping	2025-2035	Napa	$49
5548	Napa River Flood Protection Project	Acquisition/Preservation/Protection; Restoration/Rehabilitation/Enhancement	In-progress/Implementation	2036-2050	Napa	Committed Funding
5319	Cullinan Ranch Restoration Project	Restoration/Rehabilitation/Enhancement	Completed; In-progress/Implementation	2025-2035	Napa, Solano	$7
80604	The Grand Bayway	Restoration/Rehabilitation/Enhancement	Proposed	2025-2035	Napa, Solano	$115
9414	Sonoma Creek Baylands Strategy	Restoration/Rehabilitation/Enhancement	Planning/Scoping	2025-2035	Napa, Solano, Sonoma	$482
5306	Candlestick Point - Yosemite Slough Wetland Restoration	Restoration/Rehabilitation/Enhancement	Completed; In-progress/Implementation	2025-2035	San Francisco	$8
5560	Heron's Head Park	Other; Restoration/Rehabilitation/Enhancement; Sediment Management	In-progress/Implementation	2025-2035	San Francisco	Committed Funding
7878	SFMTA Islais Creek Facility: Floodproofing	Elevate or realign transportation	Planning/Scoping	2025-2035	San Francisco	<$1
11550	Downtown Coastal Resilience Project	Flood walls and berms	Planning/Scoping	2025-2035	San Francisco	$95
7879	San Francisco Waterfront Flood Study	Other	Proposed	2036-2050	San Francisco	$21,401
9665	India Basin Shoreline Park	Restoration/Rehabilitation/Enhancement	Completed; Construction in-progress; Planning/Scoping	2036-2050	San Francisco	$275
11045	China Basin Park (Mission Rock Development)	Elevate land; Green Stormwater Infrastructure	In-progress/Implementation	2036-2050	San Francisco	Committed Funding
11065	Treasure Island/Yerba Buena Island Development Project	Elevate land	Construction in-progress; Planning/Scoping	2036-2050	San Francisco	$274
11066	Treasure Island Adapative Shoreline Improvement Study	Revetments and riprap	Proposed	2036-2050	San Francisco	$17
11552	Wharf J9 Replacement Project	Other	Planning/Scoping	2036-2050	San Francisco	$110

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Project ID	Project Title/Program	Scope	Project Site Status	Opening Period	Location	Total Cost (YOE, millions$)
11583	Embarcadero Early Projects (Embarcadero Seawall Program)	Seawalls	Planning/Scoping	2036-2050	San Francisco	$275
11584	Islais Creek Southeast Mobility and Adaptation Strategy	Other	In-progress/Implementation	2036-2050	San Francisco	$1,341
50204	Ocean Beach Climate Change Adaptation Project	Seawalls; Sediment Management	Planning/Scoping	2036-2050	San Francisco	Committed Funding
50206	Hunters Point Shipyard Project and Candlestick Point Redevelopment Project	Elevate land; Flood walls and berms; Storm Drains and Stormwater Pumps	Proposed	2036-2050	San Francisco	$1,080
787000	Mission Bay Ferry Terminal Project	Elevate or realign transportation	Planning/Scoping	2036-2050	San Francisco	$453
792000	North Ocean Beach Dune Restoration	Restoration/Rehabilitation/Enhancement	Proposed	2036-2050	San Francisco	$97
794000	Lefty O'Doul Bridge Replacement	Elevate or realign transportation	Proposed	2036-2050	San Francisco	$328
795000	Peter Maloney Bridge Replacement	Elevate or realign transportation	Proposed	2036-2050	San Francisco	$409
9677	Strategy to Advance Flood Protection, Ecosystems and Recreation along San Francisco Bay	Restoration/Rehabilitation/Enhancement	Planning/Scoping	2025-2035	San Mateo	$36
10236	East Palo Alto and Dumbarton Bridge Resilience Study	Elevate or realign transportation	Proposed	2025-2035	San Mateo	$1
11063	SFO Shoreline Protection Program	Flood walls and berms; Revetments and riprap	Planning/Scoping	2025-2035	San Mateo	$799
11523	WBSD Flow Equalization and Resource Recovery Facility (FERRF) Levee Improvements Project	Flood walls and berms	Construction planned	2025-2035	San Mateo	$51
11553	Bedwell Bayfront Park Entrance Improvements Project	Elevate land	Planning/Scoping	2025-2035	San Mateo	$41
11559	The Spit and Oyster Point SLR Protection	Other	Planning/Scoping	2025-2035	San Mateo	$41
61401	Redwood City Emergency Preparedness Project	Elevate land	Planning in-progress	2025-2035	San Mateo	$23
61602	Redwood Shores Protection and Enhancement Project	Levees and dikes; Restoration/Rehabilitation/Enhancement	Identified Need	2025-2035	San Mateo	$186
7886	Pescadero Sea Level Rise Adaptation Project	Realign Transportation	Planning/Scoping	2036-2050	San Mateo	$1,658
9951	Bay Rise Park - 410 Airport Blvd	Other; Restoration/Rehabilitation/Enhancement	Planning/Scoping	2036-2050	San Mateo	$43
11558	Lower Colma Creek Section 103 CAP	Elevate land; Flood walls and berms	Unknown	2036-2050	San Mateo	$28
60401	Millbrae and Burlingame Shoreline Area Protection and Enhancement Project	Ecotone Levees; Flood walls and berms; Restoration/Rehabilitation/Enhancement	Planning/Scoping	2036-2050	San Mateo	$3,730
61301	Pacifica Sea-Level Rise Adaptation Plan Adaptation Options	Seawalls; Sediment Management	Planning/Scoping	2036-2050	San Mateo	$1,263
788000	Port of Redwood City Project	Elevate land	Planning/Scoping	2036-2050	San Mateo	$2
802000	North County Regional Sea Level Mitigation	Ecotone Levees; Tide Gate	Proposed	2036-2050	San Mateo	$324

Project ID	Project Title/Program	Scope	Project Site Status	Opening Period	Location	Total Cost (YOE, millions$)
807000	Dumbarton Bridge West Approach Sea Level Rise Project	Elevate or realign transportation	Planning/Scoping	2036-2050	San Mateo	$3,035
817000	Surfers Beach	Restoration/Rehabilitation/Enhancement	Proposed	2036-2050	San Mateo	$5
9714	San Francisquito Creek Flood Protection Project	Restoration/Rehabilitation/Enhancement	Completed; In-progress/Implementation	2025-2035	San Mateo, Santa Clara	$240
5297	South Bay Salt Ponds: Alviso - Mountain View Ponds - A1, A2W (Phase 2)	Restoration/Rehabilitation/Enhancement	In-progress/Implementation	2025-2035	Santa Clara	$22
11590	South San Francisco Bay Shoreline Project, Phase III	Levees and dikes; Sediment Management	Proposed	2025-2035	Santa Clara	$78
11594	Regional Water Quality Control Plant (RWQCP) New Outfall Pipeline Project	Other	Planning/Scoping	2025-2035	Santa Clara	$23
71102	Palo Alto Flood Basin	Tide Gate	In-progress/Implementation	2025-2035	Santa Clara	$53
814000	Santa Clara Living Shoreline	Ecotone Levees	Proposed	2025-2035	Santa Clara	$247
5665	South Bay Salt Pond Restoration: Phase 2	Ecotone Levees; Restoration/Rehabilitation/Enhancement	In-progress/Implementation	2036-2050	Santa Clara	Committed Funding
5744	South San Francisco Bay Shoreline Project	Restoration/Rehabilitation/Enhancement	In-progress/Implementation	2036-2050	Santa Clara	$214
7901	Palo Alto Baylands	Ecotone Levees	In-progress/Implementation	2036-2050	Santa Clara	$7
9107	South Bay Salt Ponds: Alviso - Ponds A9, A10, A11, A12, A13, A14, A15	Restoration/Rehabilitation/Enhancement	Proposed	2036-2050	Santa Clara	$166
5930	Grizzly Island Wildlife Area, Goodyear Slough	Acquisition/Preservation/Protection	Unknown	2025-2035	Solano	Committed Funding
80603	City of Benicia Urban Waterfront Enhancement and Master Plan	Flood walls and berms; Levees and dikes; Restoration/Rehabilitation/Enhancement	Identified Need; Planning/Scoping	2025-2035	Solano	$14
5923	Peytonia Slough Area	Acquisition/Preservation/Protection	Unknown	2036-2050	Solano	Committed Funding
5926	Peytonia Slough South	Acquisition/Preservation/Protection	Unknown	2036-2050	Solano	Committed Funding
11595	Tubbs Island Levee Improvement Project	Levees and dikes	Planning/Scoping	2025-2035	Sonoma	$9

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Placeholder Projects: Strategy EN1. Adapt to Sea Level Rise[3]

Project ID	Project Title/Program	Scope	Site Status	Opening Period	Location	Total Cost (YOE, millions$)
-	-	-	Placeholder	2025-2035	Alameda	***$187***
-	-	-	-	2036-2050	Alameda	***$4,618***
-	-	-	Placeholder	2025-2035	Contra Costa	***$1,299***
-	-	-	-	2036-2050	Contra Costa	***$6,088***
-	-	-	Placeholder	2025-2035	Marin	***$1,156***
-	-	-	-	2036-2050	Marin	***$2,554***
-	-	-	Placeholder	2025-2035	Napa	***$0***
-	-	-	-	2036-2050	Napa	***$102***
-	-	-	Placeholder	2025-2035	San Francisco	***$0***
-	-	-	-	2036-2050	San Francisco	***$103***
-	-	-	Placeholder	2025-2035	San Mateo	***$1,248***
-	-	-	-	2036-2050	San Mateo	***$545***
-	-	-	Placeholder	2025-2035	Santa Clara	***$709***
-	-	-	-	2036-2050	Santa Clara	***$578***
-	-	-	Placeholder	2025-2035	Solano	***$507***
-	-	-	-	2036-2050	Solano	***$925***
-	-	-	Placeholder	2025-2035	Sonoma	***$76***
-	-	-	-	2036-2050	Sonoma	***$48***
-	-	-	Placeholder	2025-2035	Multi-County	***$135***
-	-	-	-	2025-2035	Multi-County	***$0***
-	-	-	Region-wide Sediment Beneficial Reuse	2025-2035	All	***$1,754***
-	-	-	-	2036-2050	All	**$3,240**

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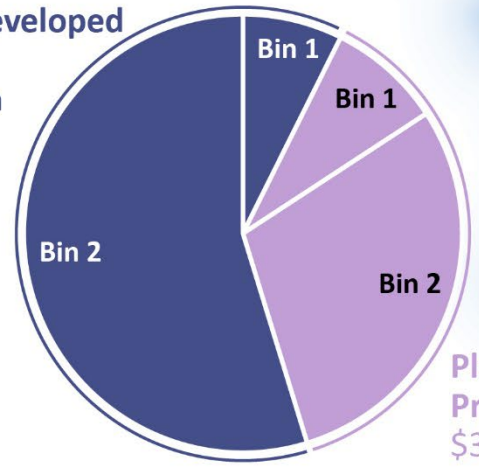
3. Defining information was developed by regional agency staff. These locations are areas that flood with 4.9-feet water rise and assume green project types when suitable. The placeholders are used to quantify the total regional financial need, even in areas where local planning has not yet identified an adaptation pathway.

Plan Bay Area 2050+ Final Blueprint: Draft Resilience Project List Map

Share of Resilience Project List Projects by Bin and Source



Bin 1 projects address flood impacts with 1-foot of rise. Assumed in 2025-2035
Bin 2 projects address flood impacts with 1-foot to 4.9-feet of rise. Assumed in 2036-2050.

Legend

Locally Developed Projects

Defining information was provided by local governments. First compiled in 2022-2023 and updated in spring 2024.

Placeholder Projects

Defining information was provided by regional agency staff. These locations are areas that flood with 4.9-feet of water rise and assume green project types when suitable. The placeholders are used to quantify the total regional financial need, even in areas where local planning has not yet identified an adaptation pathway.

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