City of Carmel-by-the-Sea Potential Adaptation Strategies

Background

Carmel-by-the-Sea (City) is currently experiencing, and will continue to experience, climate change impacts, including stronger storms, increased wildfire risk, sea level rise, extended drought conditions, and increased temperature. The City is in the process of developing a Climate Action and Adaptation Plan (CAAP). In September 2019, a Climate Committee was convened to develop and guide the preparation of the CAAP. The City published a Climate Change Vulnerability Assessment in July 2021. The Vulnerability Assessment characterizes climate hazards that will impact the community and City-owned assets in Carmel-by-the-Sea, describes the community's major climate vulnerabilities, and identifies work that has already been done by the City to improve resilience.

The purpose of this workbook is to identify potential climate adaptation goals, policies, and actions that the City can take to improve the resilience of its community members, natural environment, and infrastructure and built environment. The potential adaptation goals, policies, and actions were developed based on the results of the City's Vulnerability Assessment, including the opportunities identified to build on existing adaptation strategies.

Considerations for Selecting Adaptation Goals, Policies, and Actions

When developing adaptation goals, policies, and actions, it is Rincon Consultants' experience that selecting actions that address the following six principles leads to implementable adaptation policies that increases a community's resilience.

- 1. Actions that result in measurable increase in resilience and reduction in climate change risks while also responding to continual changes in climate, ecology, and economics using adaptive management that incorporates regular monitoring.
- 2. Establish policies, institutional structures, and monitoring processes to implement adaptation actions.
- 3. Identify needed funding, establish needed funding mechanisms, and allocate adequate funding to support adaptation policy development and implementation.
- 4. Ensure meaningful and active **engagement** with the most impacted communities.
- 5. Employ adaptive and flexible governance approaches by utilizing collaborative partnership across scales and between sectors to accelerate effective problem solving.
- 6. Prioritize actions that promote **equity**, foster community resilience, and protect the City's most vulnerable populations including the elderly. Explicitly prioritize communities that are disproportionately vulnerable to climate impacts.

Definitions

Goals: Broad statements describing community desires. The Carmel-by-the-Sea adaptation goals are modeled after the Adaptation Vision and Principles developed by the California Governor's Office of Planning and Research (OPR) Integrated Climate Adaptation & Resiliency Program (ICARP). Each goal is focused on increasing the resilience of one of the following broad asset categories: community, natural assets, and infrastructure and the built environment.

Policies: Specific position statements that support the achievement of goals and serve as guides to City Council, Planning Commission, and city staff, when making decisions.

Actions: Specific methods to implement and achieve policies and goals.

City of Carmel-by-the-Sea Potential Adaptation Strategies

Goal/Policy/Action	Climate		Potential	Ti	Potential	Cont	Course
Goal 1. A Healthy, Safe, and Resilient Community	Climate Hazard	Asset	Metric	Timeframe	Lead	Cost	Source
Policy 1.1. Provide effective emergency preparedness and response following a climate-related disaster							
The state of the s							Adapted from the Southern California Adaptation Planning Guide,
							Appendix F - General Plan and Local Coastal Plan Model Policies
Action 1.1.1. Improve Emergency Preparedness. Incorporate climate change risk and impact considerations into			# of block				
Carmel CERT programming and materials, to promote emergency preparedness at a neighborhood block-by-block		Residents, Local Businesses, Second	captains				Adapted from the Southern California Adaptation Planning Guide,
scale.	All	Homes	formed	TBD	TBD	TBD	Appendix B Matrix of Adaptation Strategies and Actions
Action 1.1.2. Collaborate with Monterey Fire. Collaborate with Monterey Fire on its inspection and outreach							
efforts to reduce fire risks. Help spread information at critical times to increase resident awareness and knowledge		Residents, Local Businesses, Second					
of how to prepare for emergencies.	Wildfire	Homes		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Action 1.1.3. Maintain and Publicize Local Evacuation Plans. Review the city evacuation plan and publicize both							
the city evacuation plan and the Monterey County evacuation plan for the community, especially among the most		Elderly Population and People with					
vulnerable, in the event of a wildfire or other disaster.	All	Disabilities, Residents		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Action 1.1.4. Evacuation Access. Develop and maintain a list of residents who may have difficulty evacuating and		Elderly Population and People with					
provide evacuation options for residents with mobility challenges.	All	Disabilities, Residents		TBD	TBD	TBD	Adapted from Safeguarding California Plan: 2018 Update (page 108
Action 1.1.5. Update City Planning Guidelines in the VHFHSZ. Update City Planning guidelines to reflect and/or no	ot						
conflict with current California codes (California Building Code Chapter 7 and California Residential Code R337) in	14 CT 16	Residents, Local Businesses, Second		TD.D.	TDD		
the Very High Fire Hazard Severity Zone (VHFHSZ).	Wildfire	Homes		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Action 1.1.6. Defensible Space. Incorporate defensible space design in landscaping guidelines.	VA (: Lel £:a	Residents, Local Businesses, Second		TDD	TDD	TDD	Coursel by the Coc Ville crability Accessment (I) by 2021)
Ashion 1.1.7 Ingress Pasistanes to Wildfine Structural Domesta. Evaluate the feesibility of gaining Figuries	Wildfire	Homes		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Action 1.1.7. Increase Resistance to Wildfire Structural Damage. Evaluate the feasibility of gaining Firewise Community Certification in Carmel-by-the-Sea.	Wildfire	Residents, Second Homes		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Policy 1.2. Focus adaptation efforts and engagement on the most vulnerable populations.	vviidille	Residents, Second Homes		TIBD	IDD	IBD	<u>Carrier-by-trie-sea vullierability Assessment (July 2021)</u>
Folicy 1.2. Focus adaptation enorts and engagement on the most vulnerable populations.							Adapted from the Southern California Adaptation Planning Guide,
							Appendix F - General Plan and Local Coastal Plan Model Policies
Action 1.2.1. Establish a Resilience Hub. Ensure that a resilience hub, such as the Public Library, is available during					Т	Т	
extreme heat events, poor air quality, severe weather events, and other highly hazardous conditions. The resilience							
hub should have essential resources such as health programming and resources, food, refrigeration, charging							
stations, basic medical supplies, and other emergency supplies. Electrified heating and cooling paired with backup		Elderly Population and People with					
power sources like battery storage provides redundancy and continues services in the event of a power outage.		Disabilities, Residents, Service Industry					Adapted from the Southern California Adaptation Planning Guide,
	All	Workers		TBD	TBD	TBD	Appendix B Matrix of Adaptation Strategies and Actions
Action 1.2.2. Limit the Impacts of Climate Change on the Most Vulnerable Populations. Develop a framework to		Elderly Population and People with					
define equity in Carmel-by-the-Sea and ensure adaptation approaches are equitably developed and implemented.		Disabilities, Residents, Service Industry					Inspired by the City of Berkeley Existing Building Electrification
	All	Workers		TBD	TBD	TBD	Strategy
Action 1.2.3. Educate the Community. Ensure the community knows about the resilience hub and how to access i	t						
by sharing updates across city and community channels. Partner with the CERT program and block captains to		Elderly Population and People with					
prioritize disadvantaged/marginalized communities including the elderly and individuals with disabilities.		Disabilities, Residents, Service Industry					Adapted from the Southern California Adaptation Planning Guide,
	All	Workers		TBD	TBD	TBD	Appendix B Matrix of Adaptation Strategies and Actions
Policy 1.3. Minimize health impacts of climate change.							
							Adapted from the Southern California Adaptation Planning Guide,
							Appendix F - General Plan and Local Coastal Plan Model Policies
Action 1.3.1. Partner with Monterey County Health Department. Coordinate with Monterey County Health							
Department to develop and enhance disaster and emergency early warning systems to incorporate objective data		Elderly Population and People with					
and information for potential health threats such as heat-illness, and illnesses complicated by low air quality due t		Disabilities, Residents, Local Businesses,					Adapted from the Southern California Adaptation Planning Guide,
climate change hazards.	All	Service Industry Workers	, ci .	TBD	TBD	TBD	Appendix B Matrix of Adaptation Strategies and Actions
Action 1.3.2. Initiate a Heat Pump Retrofit Program. Create a program to aid homeowners in converting to heat	Wildfire,	Elderly Population and People with	# of heat				the standard by the Charles I. L. E. L. C.
pumps, which provide cooling in addition to heating and can improve indoor air quality.	Increased		1	TDD	TDD	TDE	Inspired by the City of Berkeley Existing Building Electrification
Author 4.9.0 Lunguage Berthard & Outstand & 1991	Temperature	Service Industry Workers	installed	TBD	TBD	TBD	<u>Strategy</u>
Action 1.3.3. Improve Resilience in Critical Facilities. Invest in sustainable backup power sources to provide			# critical				
redundancy and continued services for critical facilities, including City Hall, Carmel Police Department, Carmel Fire		Eldorly Donulation and Donula with	facilities with				Adopted from the Couthern Colifornia Adoptetion Planning Culti-
Department, the Libraries, and assisted living facilities, in the event of a power outage triggered by a climate even		Elderly Population and People with	sustainable	TDD	TDD	TDD	Adapted from the Southern California Adaptation Planning Guide,
	All	Disabilities, Residents	backup power	IRD	TBD	TBD	Appendix B Matrix of Adaptation Strategies and Actions

Goal/Policy/Action			Potential		Potential		
	Climate Hazard	Asset	Metric	Timeframe		Cost	Source
Action 1.3.4. Conduct a Feasibility Study for Existing Building Electrification. Perform an electrification feasibility							
study/existing building analysis in order to understand the potential for, and associated costs of, electrification							
retrofitting, including heat pumps, on-site energy generation, and battery storage, in the City of Carmel-by-the-Sea							
and establish a plan for eliminating natural gas from existing buildings and building resilience to potential electrical	Wildfire,	Elderly Population and People with					Inspired by the City of Berkeley Existing Building Electrification
grid shutoffs.	Increased Temp	Disabilities, Residents		TBD	TBD	TBD	Strategy
Action 1.3.5. Improve Resilience in Housing Stock. Develop a program for identifying funding and incentives to	All	Elderly Population and People with		TBD	TBD	TBD	Adapted from the Southern California Adaptation Planning Guide,
weatherize homes that addresses severe weather protection, energy efficiency, indoor air quality improvements,		Disabilities, Residents					Appendix F - General Plan and Local Coastal Plan Model Policies (City
and other housing improvements.							of Placentia policy)
							Passive House Principles
Action 1.3.6. Electrify Fireplaces. Explore the feasibility of incentivizing electric fire places for existing and new	All						
development. Develop outreach materials explaining the health, environmental, and potential cost benefits of		Elderly Population and People with					
switching to an electric fireplace.		Disabilities, Residents, Second Homes		TBD	TBD	TBD	Inspired by the City of Pacifica All-Electric Reach Code
Action 1.3.7. Identify Funding and Financing. Work with partners like 3CE and PG&E to identify and promote	All						
accessible funding and financing mechanisms to pay for home electrification, weatherization, and battery backups.		Elderly Population and People with					
γ		Disabilities, Residents, Local Businesses		TBD	TBD	TBD	N/A - added to increase feasibility of above actions.
Policy 1.4. Increase Economic Resilience	<u> </u>		<u>'</u>	1.22	1.22	1	Adapted from the Southern California Adaptation Planning Guide,
							Appendix B Matrix of Adaptation Strategies and Actions
Action 1.4.1. Support Displaced Workers. Work in partnership with the Monterey County Workforce Development					TBD -		
Board to establish education and training partnerships for workers displaced or negatively impacted by climate					Monterey		
change or climate adaptation policies.		Service Industry Workers, Local			County		Adapted from the Southern California Adaptation Planning Guide,
	All	Businesses		TBD	Workforce	TBD	Appendix F - General Plan and Local Coastal Plan Model Policies
Action 1.4.2. Establish Partnerships to Develop a Resilient Economy. Partner with the County of Monterey							
Economic Development Department, Carmel Chamber of Commerce, and the Monterey County Workforce							
Development Board, to develop more integrated strategies for protection of jobs, economic sustenance, and for							
the protection of vulnerable populations more at-risk for temporary or permanent job dislocation due to climate		Service Industry Workers, Local					Adapted from the Southern California Adaptation Planning Guide,
change hazards.	All	Businesses		TBD	TBD	TBD	Appendix F - General Plan and Local Coastal Plan Model Policies
Action 1.4.1. Business Resilience Outreach Program. Collaborate with businesses in the city to better understand							- Indiana - Control - Cont
shared climate risks and identify opportunities to advance shared climate resilience priorities. Pilot and implement							
a local business resilience initiative to build small business capacity before a time of crisis by increasing the					TBD -		
awareness of, and preparedness for, business continuity risks faced by the city's local businesses, providing a toolki					Chamber of		
of intervention to help local businesses manage risks and enhance business resilience, and conducting outreach	1				Commerce		
campaigns to engage leaders from the business, government, and community sectors to enhance preparedness for		Service Industry Workers, Local			and/or Visit		Adapted from Gateway Cities Climate Adaptation Model General Plan
economic resilience.	ΔΙΙ	Businesses		TBD	1 '	TBD	Language (December 2018)
Goal 2. A Natural Environment Resilient to Climate Hazards	7411	Businesses	<u> </u>	100	carrier	100	Lunguage (December 2010)
Policy 2.1. Protect and restore climate-vulnerable habitat and ecosystems.							Adapted from the Southern California Adaptation Planning Guide,
							Appendix B Matrix of Adaptation Strategies and Actions
Action 2.1.1. Increase Resilience to Stronger Storms. When designing projects recommended in the Mission Trail			# of projects				
Stream Stability Study, size improvements to handle larger storms consistent with best available climate change			sizing				
projections.	Stronger		improvements				
	Storms	Mission Trail Nature Preserve	to handle	TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Action 2.1.2. Increase Forest Resilience. Update the Forest Management Plan to:							
1.Address transitioning the urbanized forest to tree species that can withstand the projected temperatures of the							
second half of the century							
2.Include planting guidelines to improve tree health, particularly in the public right-of-way							
3.Incorporate tree species that have greater drought and wildfire resistance							
4.In addition to drought-tolerant landscaping, include landscaping guidelines that reduce wildfire hazard on	Drought,						
private property.	Increased						
5.Enhance carbon sequestration potential	Temp, Wildfire	Urban Forest		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Action 2.1.3. Increase Funding for Climate Adaptation. Earmark Capital Improvement Program (CIP) funding for							
design, permitting, and implementation of stream stability study projects. Include strategies in the 2021 Multi-							
Jurisdictional Hazard Mitigation Plan (MJHMP) and Integrated Regional Watershed Management Program (IRWMP							
for potential regional funding.	All	Urban Forest		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
	1	1	1	1	1	1.22	The state of the s

Goal/Policy/Action			Potential		Potential		
doal/Folicy/Action	Climate Hazard	Asset	Metric	Timeframe	Lead	Cost	Source
Action 2.1.4. Increase Resilience of the Mission Trail Nature Preserve. Update the Mission Trail Nature Preserve							
Master Plan to consider the potential impacts of climate change and to reduce wildfire risk for neighboring private							
properties. Coordinate with the Carmel and Monterey Fire Departments to incorporate Best Practices into an							
annual maintenance plan, including cost estimates for implementation and revenue sources for implementation.							
	All	Mission Trail Nature Preserve		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Action 2.1.5. Increase Resilience of the North Dunes. Continue maintenance and monitoring at the North Dunes to							
determine how the changing climate will affect dune habitats. Implement enhancement efforts to improve							
resilience of the North Dunes.	All	North Dunes		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Goal 3. Resilient Infrastructure and Built Environment							
Policy 3.1. Protect and enhance reliability of utility infrastructure.							Adapted from the Southern California Adaptation Planning Guide,
Action 3.1.1. Encourage Energy Generation. Ensure reliability of essential facilities, such as first-responder	T	T T	# of facilities	1	T	T	Appendix B Matrix of Adaptation Strategies and Actions
buildings, by developing alternative power supplies for the Fire Department, Police Department, and City buildings.			with				
Work to implement on-site generation through photovoltaic systems and battery storage.			photovoltaic				
work to implement on site generation through photovoltate systems and battery storage.	Increased	Emergency Response Facilities – Fire	systems and #				Adapted from the Southern California Adaptation Planning Guide,
	Temp, Wildfire		of facilities	TBD	TBD	TBD	Appendix F - General Plan and Local Coastal Plan Model Policies
Action 3.1.2. Increase Resilience of Utilities in the Fire Hazard Zones. Consider updating the General Plan's Safety	ziiip) ziiiaiii C		3.123		1	1.2.2	pp 2 and 2 and 2 and 2 and 3 and 4 and 4 and 5 a
Element policy P8-17 to include "move or remedy existing" utilities in high severity fire hazard zones.		Water Supply, Sanitary Sewer System,					
		Power Grid, Overhead Communication,					
		PG&E/Communication Underground					
	Wildfire	Lines- gas, cable		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Action 3.1.3. CIP Funding for Carmel Projects in the IRWMP. Incorporate the Carmel projects included in the							
Integrated Regional Water Management Plan (IRWMP) into the City's 5-year Capital Improvement Program (CIP).							
Seek potential regional or State funding for projects.	Drought	Water Supply		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Action 3.1.4. Undergrounding Power Lines. Determine the feasibility of undergrounding power lines in the Mission							
Trail Nature Preserve and in priority transportation corridors in the VHFHSZ.	Wildfire	Power Grid		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Policy 3.2. Support greater resilience, redundancy, and reliability of local and regional infrastructure.							Adapted from the Southern California Adaptation Planning Guide, Appendix B Matrix of Adaptation Strategies and Actions
Action 3.2.1. Stormwater Infiltration. Encourage stormwater infiltration features as part of street Capital			projects using				
Improvement Program (CIP) projects to reduce runoff volume and increase groundwater infiltration, based on	Stronger		infiltration				
projected changes in precipitation amounts due to climate change.	Storms	Strom Drainage System	features.	TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Action 3.2.2. Increase Green Infrastructure. Modify CIP project design and review approach to consistently							
evaluate the potential for green infrastructure to be incorporated in CIP projects in the public right-of-way and on			Change in				
public lands. Identify and develop a green infrastructure pilot project that will capture and infiltrate stormwater and	_		impervious				
incorporates tree and shrub planting to increase carbon sequestration in the city.	Storms,		surface				Adapted from the Carmel-by-the-Sea Vulnerability Assessment (July
	Increased Temp	Urban Forest, Storm Drain System	coverage.	TBD	TBD	TBD	2021)
Action 3.2.3. Storm Drain Repair Funding. Earmark Capital Improvement Program (CIP) funding for design,	Chuanan						
permitting and implementation of storm drain repairs. Include strategies in the 2021 Multi-Jurisdictional Hazard	Stronger	Storm Drain System		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Mitigation Plan (MJHMP) for potential regional funding. Action 3.2.4. Storm Drain Improvements. Upsize Storm Drain Master Plan (SDMP) improvements, especially when	Storms Stronger	Storiii Draiii Systeiii		IBD	ILPD	טפון	Carrier-by-the-sea vullerability Assessment (July 2021)
making repairs in the lower reaches of watersheds, to handle larger storms.	Storms	Storm Drain System		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Action 3.2.5. Develop a Guidance Project Checklist. Develop a guidance project checklist for building and site	2.0	2.22,300	# of projects		1.22	1.23	
adaptation measures. The checklist, included with permit applications, should serve to provide education to permit			implementing				
applicants on modifications to site plans and structures that can improve a project's resilience to existing and		Residents, Local Businesses, Second	adaptation				Adapted from the Southern California Adaptation Planning Guide,
potential future climate change hazards.	All	Homes	measures.	TBD	TBD	TBD	Appendix F - General Plan and Local Coastal Plan Model Policies
Action 3.2.6. Retrofit Existing Critical Buildings and Related Infrastructure. Require that all first responder and		Emergency Response Facilities – Fire				İ	
municipal facilities are properly retrofitted for existing and future climate change hazards including sea-level rise		station, EOC, PD, PW, City Hall, etc.,					
related flooding and erosion, increased wind/storm events, an increase in high heat days, and/or wildfire		Hospital and Emergency Medical Care					Adapted from the Southern California Adaptation Planning Guide,
depending upon location and risk factors.	All	Facilities		TBD	TBD	TBD	Appendix F - General Plan and Local Coastal Plan Model Policies
Action 3.2.7. Incorporate Climate Change Adaptation into Local Plans. Prioritize the update of local plans,							
including the Climate Change Vulnerability Assessment, Local Coastal Program, General Plan, Mission Trails Nature							
Reserve Master Plan, Del Mar Master Plan, and Shoreline Management Plan, to promote climate change resilience							Adapted from the Southern California Adaptation Planning Guide,
reserve Muster Flan, Der Mar Muster Flan, and Shoreline Management Flan, to promote change resilience							

Goal/Policy/Action			Potential		Potential		
	Climate Hazard	Asset	Metric	Timeframe	Lead	Cost	Source
Action 3.2.8. Water Conservation. Partner with the Monterey Peninsula Water Management District to reduce							
water demand and increase water recycling, such as stormwater capture and grey water reuse, through education							
and outreach. Provide information and incentives for residential water use reduction.	Drought	Water Supply		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Action 3.2.9. Beach Sand Monitoring Program. Reinstate beach sand monitoring program described in the							
Shoreline Management Plan.	Sea Level Rise	Carmel Beach		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Action 3.2.10. Bluff Structural Monitoring Program. Implement bluff structural monitoring program and do follow-							
up monitoring post-storm to identify additional footing stability issues.	Sea Level Rise	Carmel Beach		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Action 3.2.11. Carmel Cove Sand Supply. Reach out to local researchers (e.g., California State University Monterey							
Bay) or other sources to conduct Carmel Cove sand supply dynamics analysis.	Sea Level Rise	Carmel Beach		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Action 3.2.12. Hire Coastal Engineer. Hire coastal engineer with experience in planning for climate change to							
conduct:							
1. Conduct research and prepare a Sea-Level Rise Vulnerability Study to further assess the risks to our coastal							
assets, including the beach, sea walls, revetments, bluffs, stairs and access, public bathrooms, parking areas,							
drainage infrastructure, and utilities.							
2. Determine adaptation measures and Local Coastal Program policy options. a) Mostly natural, unarmored North							
Dunes area; b) mostly armored bluffs along Scenic Roach south of 8th Avenue; c) Unarmored dunes along private							
property between 8th Avenue and Del Mar Parking Lot; d) Armored private properties on the bluffs at the north							
end of the City (Pescadero Canyon area).							
3. Evaluate feasibility and phasing, the use of thresholds for when different elements of these strategies are							
implement. For example, maintaining armory or other defenses up to a point, but then if a threshold is reached,		Carmel Beach, Shoreline Access					
embracing a new bluff line and different adaptive measure.	Sea Level Rise	Infrastructure, Seawall and Revetments	;	TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Action 3.2.13. Update Shoreline Management Plan. Update Shoreline Management Plan and Local Coastal							
Program based on results of coastal engineering analysis.	Sea Level Rise	Carmel Beach		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)
Action 3.2.14. Multi-Jurisdictional Hazard Mitigation Plan. Maintain a comprehensive list of projects, based on							
existing plans and gaps identified in the Vulnerability Assessment, to provide to Monterey County during updates to							
the Monterey County Multi-Jurisdictional Hazard Mitigation Plan in 2021 and beyond.							
	All	All		TBD	TBD	TBD	Carmel-by-the-Sea Vulnerability Assessment (July 2021)