



## **CITY OF CARMEL-BY-THE-SEA CLIMATE COMMITTEE**

Contact: 831.620.2000 [www.ci.carmel.ca.us/carmel](http://www.ci.carmel.ca.us/carmel)

All meetings are held in the City Council Chambers  
East Side of Monte Verde Street  
Between Ocean and 7th Avenues

### **REGULAR MEETING Thursday, January 21, 2021**

**3:30 PM**

Governor Newsom's Executive Order N-29-20 has allowed local legislative bodies to hold public meetings via teleconference and to make public meetings accessible telephonically or otherwise electronically to all members of the public seeking to observe and to address the local legislative body. Also, see the Order by the Monterey County Public Health Officer issued March 17, 2020. The health and well-being of our residents is the top priority for the City of Carmel-by-the-Sea. To that end, this meeting will be held via teleconference and web-streamed on the City's website ONLY.

To attend via Teleconference; Dial in number +1 260-344-4463 PIN: 977 001 748#. The public can also email comments to [ekort@ci.carmel.ca.us](mailto:ekort@ci.carmel.ca.us). Comments must be received 2 hours before the meeting in order to be provided to the committee. Comments received after that time and up to the beginning of the meeting will be added to the agenda and made part of the record.

#### **CALL TO ORDER**

#### **PUBLIC APPEARANCES**

Members of the public are entitled to speak on matters of municipal concern not on the agenda during Public Appearances. Each person's comments shall be limited to 3 minutes, or as otherwise established by the Committee. Matters not appearing on Committee's agenda will not receive action at this meeting but may be referred to staff for a future meeting. Persons are not required to give their names, but it is helpful for speakers to state their names so that they may be identified in the minutes of the meeting.

#### **ANNOUNCEMENTS**

#### **CONSENT AGENDA**

Items on the consent agenda are routine in nature and do not require discussion or independent action. Members of the Committee or the public may ask that any items be considered individually for purposes of Committee discussion and/ or for public comment. Unless that is done, one motion may be used to adopt all recommended actions.

#### **ORDERS OF BUSINESS**

**Orders of Business** are agenda items that require Committee discussion, debate, direction to staff, and/or action.

1. Receive a Presentation from Monterey Regional Waste Management District (MRWMD) on Green House Gas reduction strategies.
2. Receive a Presentation from the Monterey Peninsula Water Management District (MPWMD) on water supply resilience.
3. Receive a Presentation from PG&E on power grid resilience.
4. Review, provide comments, and/or approve the summary sheet for the Community Wildfire Preparedness.
5. Review, provide comments, and/or approve the Summary Sheet for the Beach, Bluff, Coastal Armoring, Public Infrastructure, and Private Property.
6. Provide Updates on the Outreach to Community Organizations and Regional Partners Conducted to Date

## **FUTURE AGENDA ITEMS**

## **ADJOURNMENT**

This agenda was posted at City Hall, Monte Verde Street between Ocean Avenue and 7th Avenue, outside the Park Branch Library, NE corner of Mission Street and 6th Avenue, the Carmel-by-the-Sea Post Office, 5th Avenue between Dolores Street and San Carlos Street, and the City's webpage <http://www.ci.carmel.ca.us> in accordance with applicable legal requirements.

## **SUPPLEMENTAL MATERIAL RECEIVED AFTER THE POSTING OF THE AGENDA**

Any supplemental writings or documents distributed to a majority of the Climate Committee regarding any item on this agenda, received after the posting of the agenda will be available at the Public Works Department located on the east side of Junipero Street between Fourth and Fifth Avenues during normal business hours.

## **SPECIAL NOTICES TO PUBLIC**

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the City Clerk's Office at 831-620-2000 at least 48 hours prior to the meeting to ensure that reasonable arrangements can be made to provide accessibility to the meeting (28CFR 35.102-35.104 ADA Title II).



# CITY OF CARMEL-BY-THE-SEA

## Climate Committee

### Staff Report

January 21, 2021  
ORDERS OF BUSINESS

**TO:** Climate Committee Members

**SUBMITTED BY:** Evan Kort, Associate Planner

**SUBJECT:** Receive a Presentation from Monterey Regional Waste Management District (MRWMD) on Green House Gas reduction strategies.

#### RECOMMENDATION:

Receive a Presentation from Monterey Regional Waste Management District (MRWMD) on Green House Gas reduction strategies.

#### BACKGROUND/SUMMARY:

The Monterey Regional Waste Management District (MRWMD) was identified as a regional partner to engage with regarding the City's Climate Action and Adaptation Plans. Tim Flanagan, General Manager of MRWMD, will provide a summary presentation on Green House Gas reduction strategies regarding MRWMD operations.

#### FISCAL IMPACT:

N/A

#### ATTACHMENTS:



# CITY OF CARMEL-BY-THE-SEA

## Climate Committee

### Staff Report

January 21, 2021  
ORDERS OF BUSINESS

**TO:** Climate Committee Members

**SUBMITTED BY:** Evan Kort, Associate Planner

**SUBJECT:** Receive a Presentation from the Monterey Peninsula Water Management District (MPWMD) on water supply resilience.

#### RECOMMENDATION:

Receive a Presentation from the Monterey Peninsula Water Management District (MPWMD) on water supply resilience.

#### BACKGROUND/SUMMARY:

The Monterey Peninsula Water Management District (MPWMD) was identified as a regional partner to engage with regarding the City's Climate Action and Adaptation Plans. Stephanie Locke, Water Demand Manager with MPWMD, will provide a summary presentation on water supply resilience.

#### FISCAL IMPACT:

N/A

#### ATTACHMENTS:



# CITY OF CARMEL-BY-THE-SEA

## Climate Committee

### Staff Report

January 21, 2021  
ORDERS OF BUSINESS

**TO:** Climate Committee Members

**SUBMITTED BY:** Evan Kort, Associate Planner

**SUBJECT:** Review, provide comments, and/or approve the summary sheet for the Community Wildfire Preparedness.

#### RECOMMENDATION:

Review and approve the revised summary sheet for Community Wildfire Preparedness.

#### BACKGROUND/SUMMARY:

At the November 19, 2020 meeting, the Climate Committee reviewed the summary sheets for prior presentations by the Monterey Fire Department and the Monterey Chapter of the American Institute of Architects on wildfire vulnerability and preparedness. Committee members recommended combining the two summary sheets into one. The revised summary sheet is included as Attachment 1.

#### FISCAL IMPACT:

None

#### ATTACHMENTS:

Attachment 1 - Wildfire Hazard & Asset Summary Report



## CITY OF CARMEL-BY-THE-SEA

### Hazard and Asset Summary Sheet – Community Wildfire Preparedness

October 15, 2020

**TO:** Climate Committee Members

**SUBMITTED BY:** John Hill, Committee Member

#### SUMMARY

**Asset:** Public and Private Property, Public Safety

**Hazards:** Local Fires and Wildfire damage due to accumulated dry fuel & increasing wind and weather events.

**Version:** 1

**General Comments and Outlook:** The severity of fires and wildfires in California continues to increase in intensity and occurrence. California had low intensity fires until the logging of old growth forests, the introduction of grazing and invasive grasses, indigenous burning was replaced by fire suppression, and urban sprawl invaded the wildland areas. Community wildfire preparedness is supported by Monterey Fire's Defensible Space Inspection Program and coordination with surrounding fire prevention organizations to limit fire and wildfire risk through planning, prevention, and mitigation. Monterey Fire and the Carmel Public Works Department have working relationships with the Pebble Beach Services District for fire mitigation in Pescadero Canyon, and partner with the Friends of Mission Trail Nature Preserve for fuel reduction in Mission Trail Nature Preserve. CalFire's Fire & Resource Assessment Program (FRAP) and Fire Hazard Severity Zone (FHSZ) maps are available on line with information on forest assessment, fire severity zones, and defensible space. Monterey Fire personnel have inspected and graded all Carmel parcels as pass, pending, or fail. Grading criteria is evolving as knowledge on fire spread is developed. Current criteria is based on dry fuel accumulation, spark arrestors, overhanging tree limbs, etc.

#### Identified Issues:

- Some northern and eastern areas within City limits are within the Very High Fire Hazard Severity and Wildland Urban Interface (WUI) Zones.
- Some areas within the City limits and adjacent communities have accumulated fuel levels as well as overhead infrastructure (i.e. Mission Trail Park) that present fire and wildfire risks.
- An integrated approach to fire resilience in the landscape along with hardening structures against fire are ways to mitigate fire impact on lives and property.
- Fire resiliency can be controlled by creating defensible space with Fire Defense Zones around structures, an ignition zone (5 feet), a defense zone (30 feet) and reduced fuel zone (100 feet)
- Fuel is affected by the height and placement of plants & their chemical content. Pine forests and Oak woodlands are resilient but dead material and limbed branches in the understory must be maintained.
- Fire retardant plants, trees, and ground covers can absorb heat and fire without burning, trap embers, reduce wind speed, and slow the travel of a fire.
- 9 out of 10 structures lost are due to low intensity ground fire and embers in the 5-foot zone around them. Combustible materials such as decks, wood chips, and plant material should not be located within 5 feet of nor attached to the structure.

- Vents and windows are the most vulnerable areas in a house, gaps in vent screening should be no more than 1/8" maximum and plants should not be located near or below windows. Attachment 1
- The City's Building Department has adopted the California Building Code requirements in the Very High Fire Hazard Zone but the City's planning guidelines currently do not address them or may be in conflict with them.

### **Possible actions to be recommended in the committee's Final Report**

- Carmel City Council consider fire hazard severity and evacuation plans in the safety elements of the General Plan and monitor the level of fire hazards within and surrounding the community. Resolutions and/or Ordinances could include:
  - Documenting the various existing hazards.
  - Assigning staff/council personnel as liaisons to CalFire (Cypress Fire District), and adjacent communities which could threaten Carmel in a wildfire.
  - Assist Monterey Fire in its current efforts in inspecting and identifying fire risks.
  - City Forester consider fire retardant trees and plants in City controlled areas and for tree replacement requirements for private property.
  - Update City Planning guidelines to reflect or not conflict with current California codes (CBC Chapter 7 & CRC R337) in the Very High Fire Hazard Severity (VHFHS) Zone.

## **REFERENCES**

- Fire and Resource Assessment Program (FRAP) [ResilientCA.org](http://ResilientCA.org)
- Monterey Fire Defensible Space Inspection Program [mry.maps.arcgis.com](http://mry.maps.arcgis.com) , [monterey.org/fire](http://monterey.org/fire)
- CalFire Defensible Space/Home Hardening [readyforwildfire.org](http://readyforwildfire.org)
- CalFire Fire Severity Zone Viewer [gis.data.ca.gov](http://gis.data.ca.gov)
- Wildland Urban Interface (WUI) [frap.fire.ca.gov](http://frap.fire.ca.gov)
- Every Building's Wildfire Risk in Monterey County [defensibleapp.com](http://defensibleapp.com)
- The A.I.A. Designing for Fire Presentation <http://youtu.be/MWslhXidZnc>

## **History**

- Version 2 presented at committee meeting on 1/21/2021



# CITY OF CARMEL-BY-THE-SEA

## Climate Committee

### Staff Report

January 21, 2021  
ORDERS OF BUSINESS

**TO:** Climate Committee Members

**SUBMITTED BY:** Evan Kort, Associate Planner

**SUBJECT:** Review, provide comments, and/or approve the Summary Sheet for the Beach, Bluff, Coastal Armoring, Public Infrastructure, and Private Property.

#### RECOMMENDATION:

Review, provide comments, and/or approve the Summary Sheet for the Beach, Bluff, Coastal Armoring, Public Infrastructure, and Private Property.

#### BACKGROUND/SUMMARY:

At the November 19, 2020 Climate Committee meeting, the Committee heard presentations from David Shonman and Greg D'Ambrosio on the impacts of past storms on the Carmel shoreline infrastructure. At the December 17, 2020 Climate Committee meeting, the Committee heard presentations from Andrea O'Neill of the United States Geological Survey (USGS) on the Coastal Storm Modeling System's analysis of the impacts of storms and sea level rise on the Carmel-by-the-Sea shoreline.

The summaries of the two presentations have been combined into a single summary sheet and has been included as Attachment 1.

#### FISCAL IMPACT:

N/A

#### ATTACHMENTS:

Attachment 1 - Beach & Coastal Hazard & Asset Summary Report



# CITY OF CARMEL-BY-THE-SEA

## Hazard and Asset Summary Sheet for the Beach, Bluff, Coastal Armoring, Public Infrastructure, and Private Property

January 21, 2021

|                      |                                  |
|----------------------|----------------------------------|
| <b>TO:</b>           | Climate Committee Members        |
| <b>SUBMITTED BY:</b> | Scott Lonergan, Committee Member |

### SUMMARY

**Asset:** Beach, Bluff, Coastal Armoring, Public Infrastructure, and Private Property

**Hazards:** Sea Level Rise, Stronger Storms and Waves, More Variable Rainfall

**Version:** 14-Jan-2021

#### General Comments and Outlook:

- It is not widely understood that the climate change threat to coastal infrastructure, private property, the beach, along with the associated impacts on tourism and Carmel's economy, is so substantial, and that the potential solutions so complex.
- Nearly the entire coastline south of Ocean Avenue has been armored by a combination of seawalls, vertical or stepped retaining walls, or engineered rock revetments. Secondary impacts to the use of armoring often includes escalating maintenance costs, and the loss of beach, aesthetics, and ecology.
- Coastal erosion and storm events already pose a threat, and climate change driven sea level rise and storm intensity will dramatically increase that threat.
- Longer term, the degree to which the City should, or can, forestall the natural processes driven by climate change is not understood.

#### Identified Issues:

- The frequency and duration of beach inundation and wave attack on armoring and natural barriers is increasing. The impacts of armoring on beach sand loss, as well as the seasonal migration of sand on and off shore, has not been investigated.
- The natural erosion processes along the mostly unarmored North Dunes area will accelerate bluff retreat and create space for the beach to migrate inland, while at the same time reducing dune habitat and recreation above.
- Seawall integrity is being compromised by ongoing erosion of the relatively soft sandstone base of some seawalls. Equipment access to areas on the beach required for completing repairs and maintenance is increasingly limited.
- Public infrastructure at risk including beach access stairways, bathrooms, armoring, Scenic Road, Ocean Avenue beach parking, and some utilities.
- Private property at risk including that along Scenic Road and adjacent to North Dunes.
- The need to educate the community about the climate change threat to coastal infrastructure, private property, the beach, and the associated impacts on tourism and Carmel's economy, along with the potential solutions.

#### Remaining Issues to be Understood (in Preparation for the Committee's Final Report):

- Engagement of a coastal engineer with experience in planning for climate change in an LCP context.
  - o Further assessment of the risks to our coastal assets.
  - o Determine adaptation measures and LCP policy options. Draft updated or new LCP for certification with the Coastal Commission.

- Prioritize adaptations and projects that protect and maintain public resources and beach access, and the viability of the community and tourism.
  - Coordinate with regional partners (e.g. County, Pebble Beach) and align with the Coastal Commission on acceptable plans.
  - Determine how the options and strategies are different along the 1) mostly natural, unarmored North Dunes, 2) armored bluffs adjacent to Scenic Avenue, and 3) bluffs and dunes adjacent to private lands on either side of North Dunes.
  - Evaluate feasibility and phasing, including the use of thresholds for when different elements of these strategies are implemented. For example, maintaining armory or other defenses up to a point, but then if a threshold is reached, embracing a new bluff line and different adaptive measure.
  - Consider legal liabilities, coastal armoring and building regulations, real estate disclosures, and fiscal impacts.
- Community-wide outreach and education, including that focused on exposed property owners.
  - Review, and if appropriate apply for, funding opportunities for pre-disaster planning and mitigation (The State is about to award \$8M funding for coast resiliency planning and projects, and additional funding will be available next year).
  - Position for requesting FEMA disaster relief post-disaster.
  - Consider use of the USGS Coastal Storm Modeling System (CoSMoS).
  - Reach out to NPS coastal physical oceanographer, Dr. Mara Orescanin, or other experts that might be willing to offer expertise and guidance.

### Possible Actions to be Recommended in the Committee's Final Report

- Update the CBTS Shoreline Management Plan and the General Plan / LUP.
- Proactive sourcing or contracting for repair resources prior to episodic events.

## REFERENCES

- Coastal Resource Management Element of the Carmel-by-the-Sea General Plan: <https://ci.carmel.ca.us/post/general-plan>
- Carmel-by-the-Sea / Shoreline Management Plan: <https://ci.carmel.ca.us/post/additional-forestry-division-resources>
- David Shonman and Greg D'Ambrosio 19-Nov-2020 Climate Change Committee presentation slides: [https://ci.carmel.ca.us/sites/main/files/file-attachments/shonman\\_-\\_ccc\\_presentation\\_-\\_final\\_nov\\_19\\_2020.pdf?1605903015](https://ci.carmel.ca.us/sites/main/files/file-attachments/shonman_-_ccc_presentation_-_final_nov_19_2020.pdf?1605903015)
- USGS representative, Andrea O'Neill, 17-Dec-2020 Climate Change Committee presentation video: <https://carmel.novusagenda.com/agendapublic/MeetingView.aspx?MeetingID=922&MinutesMeetingID=510&doctype=Agenda>
- California Coastal Commission and Local Government Public Workshop on 17-Dec-2020 to discuss sea level rise planning in an LCP context: <https://documents.coastal.ca.gov/reports/2020/12/SM-Th3/th3-12-2020-report.pdf>

## History

- Version 14-Jan-2021



## **CITY OF CARMEL-BY-THE-SEA**

### **Climate Committee**

### **Staff Report**

January 21, 2021  
**ORDERS OF BUSINESS**

**TO:** Climate Committee Members

**SUBMITTED BY:** Evan Kort, Associate Planner

**SUBJECT:** Provide Updates on the Outreach to Community Organizations and Regional Partners Conducted to Date

#### **RECOMMENDATION:**

Committee members will provide updates on the outreach to community organizations and regional partners they have conducted over the past month, and any notable feedback they have received.

#### **BACKGROUND/SUMMARY:**

On February 20, 2020, the Climate Committee started assembling the list of community organizations and regional partners to engage. Included in this process, the Committee assigned outreach leads for each organization.

At the July 16, 2020 Climate Committee meeting, members agreed to start conducting outreach to community organizations and regional partners about the City's project. The updated outreach list is included in Attachment 1. The updated Climate Committee presentation schedule is included in Attachment 2.

#### **FISCAL IMPACT:**

N/A

#### **ATTACHMENTS:**

Attachment 1 - Community Organizations and Regional Partners to Engage

Attachment 2 - Updated Presentation Schedule

# Community Organizations and Regional Partners to Engage

## City of Carmel-by-the-Sea Climate Project

January 2021

*\*Grey italics denote presentations that have already occurred*

|    | ORGANIZATION                                                      | Topic (s)                                             | Contact Persons                                                                                                                                                                                                      | Committee Lead                    | Present to | Hear from | Contacted? |
|----|-------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------|-----------|------------|
|    | <b>Utilities</b>                                                  |                                                       |                                                                                                                                                                                                                      |                                   |            |           |            |
| 1* | <i>Carmel Area Wastewater District</i>                            | <i>Sewer system<br/>Wastewater Treatment Facility</i> | <i>Barbara Buikema, Daryl Lauer</i>                                                                                                                                                                                  | <i>Jeff Baron, Agnes Martelet</i> |            | X         | Y          |
| 2  | Central Coast Community Energy (was Monterey Bay Community Power) | Energy supply                                         | Dan Bertoldi<br>( <a href="mailto:dbertoldi@mbcommunitypower.org">dbertoldi@mbcommunitypower.org</a> )<br>J.R. Killigrew<br>( <a href="mailto:jkilligrew@mbcommunitypower.org">jkilligrew@mbcommunitypower.org</a> ) | Evan Kort, Agnes Martelet         |            | X         | Y          |
| 3  | Cal Am                                                            | Water supply                                          |                                                                                                                                                                                                                      | Michael LePage                    |            | X         |            |
| 4  | <i>Monterey Peninsula Water Management District</i>               | <i>Water supply</i>                                   | <i>Stephanie Locke</i>                                                                                                                                                                                               | <i>Michael LePage</i>             |            | X         | Y          |
| 5  | GreenWaste Recovery                                               | Waste management and recycling                        | Jim Moresco                                                                                                                                                                                                          | Carrie Theis, Agnes Martelet      |            |           |            |
| 6  | <i>Monterey Regional Waste Management District</i>                | <i>Waste management and recycling</i>                 | <i>Tim Flanagan</i>                                                                                                                                                                                                  | <i>Carrie Theis</i>               |            | X         | Y          |
| 7  | <i>PG&amp;E</i>                                                   | <i>Energy supply</i>                                  | <i>Jeana Arnold<br/>Teri Vetere</i>                                                                                                                                                                                  | <i>Carrie Theis, Jeff Baron</i>   |            | X         | Y          |
|    | <b>Professional Organizations</b>                                 |                                                       |                                                                                                                                                                                                                      |                                   |            |           |            |
| 1  | <i>California AIA</i>                                             | <i>Built environment resilience</i>                   | <i>Libby Barnes</i>                                                                                                                                                                                                  | <i>John Hill</i>                  |            | X         | Y          |
| 2  | Chamber of Commerce                                               | Local business, tourism                               | Jenny McMurdo                                                                                                                                                                                                        | Carrie Theis                      | X          |           | Y          |
| 3  | Monterey County Association of Realtors                           | Sea Level Rise<br>Wildfire risk                       | Ben Beasley                                                                                                                                                                                                          | Scott Lonergan, LaNette Zimmerman | X          |           | Y          |
| 4  | MCCVB                                                             | Visitors                                              |                                                                                                                                                                                                                      | Carrie Theis                      |            |           |            |
| 5  | Visit Carmel                                                      | Visitors / local business                             | Amy Herzog                                                                                                                                                                                                           | Carrie Theis                      |            |           |            |
| 6  | Sunset Center                                                     | Resilience                                            | Christine Sandin                                                                                                                                                                                                     | LaNette Zimmerman                 |            |           |            |

|    | ORGANIZATION                        | Topic (s)                                      | Contact Persons                          | Committee Lead                     | Present to | Hear from | Contacted? |
|----|-------------------------------------|------------------------------------------------|------------------------------------------|------------------------------------|------------|-----------|------------|
|    | <b>Local Community Groups</b>       |                                                |                                          |                                    |            |           |            |
| 1  | <i>Carmel Residents Association</i> | <i>Community resilience<br/>Climate action</i> | <i>Fred Bologna<br/>Nancy Twomey</i>     | <i>Jeff Baron</i>                  | X          |           | Y          |
| 2  | <i>Carmel Rotary Club</i>           | <i>Community resilience<br/>Climate action</i> | <i>Susan Prest</i>                       | <i>Carrie Theis, Jeff Baron</i>    | X          |           | Y          |
| 3  | Carmel Lions Club                   | Community resilience<br>Climate action         | Heidy Mozingo                            | Carrie Theis                       | X          |           |            |
| 4  | Friends of Carmel Forest            | Urban forest                                   | Ramie Allard                             | Scott Lonergan                     | X          |           |            |
| 5  | <i>Friends of MTNP</i>              | <i>Wildfire risk<br/>Sensitive habitats</i>    | <i>Karen Ferlito<br/>Greg D'Ambrosia</i> | <i>Scott Lonergan</i>              | X          |           | Y          |
| 6  | Del Monte Forest Conservancy        | Wildfire risk                                  |                                          | Scott Lonergan                     |            |           | Y          |
| 7  | Landwatch                           | Transportation, housing                        | Mike DeLapa                              | Jeff Baron                         |            | X         | Y          |
| 8  | Sustainable Carmel                  | Climate action                                 | Ellen Gannon                             | Agnes Martelet                     | X          |           |            |
| 9  | Church auxiliaries                  | Community resilience                           |                                          | LaNette Zimmerman                  |            |           | Y          |
| 10 | Heritage Society                    | Community resilience                           | Karl Iverson                             | Michael LePage                     |            |           |            |
| 11 | Forest Theater Guild                | Community resilience                           | Steven Moore                             | LaNette Zimmerman,<br>Carrie Theis |            |           |            |
| 12 | PacRep                              | Community resilience                           | Steven Moore                             | LaNette Zimmerman,<br>Carrie Theis |            |           |            |
| 13 | Carmel Women's Club                 | Community resilience<br>Climate action         | Nancy Twomey                             | Jeff Baron                         |            |           |            |
|    | <b>City Departments</b>             |                                                |                                          |                                    |            |           |            |
| 1  | Police                              | Emergency preparedness<br>Transportation       | Paul Tomasi                              | Agnes Martelet                     |            |           | Y          |
| 2  | <i>Fire</i>                         | <i>Emergency preparedness</i>                  | <i>Carmyn Prew, Sichel Young</i>         | <i>John Hill</i>                   |            | X         | Y          |
| 3  | <i>Forestry Division (PW)</i>       | <i>Urban forest<br/>Sensitive habitats</i>     | <i>Sara Davis</i>                        | <i>Agnes Martelet</i>              |            | X         | Y          |
| 4  | <i>Public Works</i>                 | <i>Storm Drain Master Plan</i>                 | <i>Bob Harary</i>                        | <i>Agnes Martelet</i>              |            | X         | Y          |
| 5  | Library                             | Historic events                                | Katie O'Connell                          | Evan Kort                          |            |           | Y          |

|    | ORGANIZATION                                     | Topic (s)                                                              | Contact Persons    | Committee Lead                 | Present to | Hear from | Contacted? |
|----|--------------------------------------------------|------------------------------------------------------------------------|--------------------|--------------------------------|------------|-----------|------------|
|    | <b>City Commissions</b>                          |                                                                        |                    |                                |            |           |            |
| 1  | Forest & Beach Commission                        | Sea Level Rise<br>Urban forest<br>Sensitive habitats<br>Climate action |                    | Scott Lonergan                 | X          |           | Y          |
| 2  | Planning Commission                              | Built environment<br>resilience<br>Climate action                      |                    | Michael LePage                 | X          |           |            |
| 3  | City Traffic Safety Committee                    | Transportation                                                         |                    | Agnes Martelet                 |            |           | Y          |
|    | <b>Federal / State / Regional Agencies</b>       |                                                                        |                    |                                |            |           |            |
| 1  | AMBAG                                            | Climate Action<br>Transportation                                       | Elisabeth Bertrand | Agnes Martelet                 | X          | X         | Y          |
| 2  | USGS                                             | Sea Level Rise                                                         | Patrick Barnard    | Agnes Martelet                 | X          | X         | Y          |
| 3  | CalFire                                          | Wildfire risk and resilience<br>Urban forest management                | John Reynolds      | John Hill                      | X          |           | Y          |
| 4  | CA Department of Insurance                       | Wildfire risk / home<br>insurability                                   | Ricardo Laura      | John Hill                      |            |           | Y          |
| 5  | Fire Safe Council for<br>Monterey County         | Michael Emmett                                                         |                    | John Hill                      |            |           | Y          |
| 6  | California Coastal<br>Commission                 | Sea Level Rise                                                         |                    | Jeff Baron / Agnes<br>Martelet |            | X         |            |
| 7  | IRWMP Group                                      | Water supply<br>Watershed / storm water<br>projects                    |                    | Michael LePage                 |            |           |            |
| 8  | Monterey County (OES)                            | Resilience planning                                                    | Kelsey Scanlon     | Agnes Martelet                 |            | X         | Y          |
| 9  | Monterey County                                  | Sustainability<br>Climate Action                                       | Ashley Paulsworth  | Agnes Martelet                 |            | X         | Y          |
| 10 | Monterey Bay National<br>Marine Sanctuary (NOAA) | Marine Sanctuary impacts<br>Carmel Beach                               | Karen Grimmer      | Agnes Martelet                 |            |           | Y          |
| 11 | Transportation Agency of<br>Monterey County      | Transportation                                                         |                    | Jeff Baron                     |            |           |            |
| 12 | MST                                              | Transportation                                                         |                    | Jeff Baron                     |            | X         |            |
| 13 | US Navy / Coast Guard                            | Coastal impacts                                                        |                    | Carrie Theis                   |            |           |            |

|                                          | ORGANIZATION                                                                               | Topic (s)                                                                  | Contact Persons                                                                               | Committee Lead                               | Present to | Hear from | Contacted? |
|------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------|------------|-----------|------------|
| <b>Educational Groups</b>                |                                                                                            |                                                                            |                                                                                               |                                              |            |           |            |
| 1                                        | Carmel High School Environmental Club                                                      | Internships<br>Climate Action partnership<br>/ Green Schools               | Ellen Gannon                                                                                  | LaNette Zimmerman,<br>Scott Lonergan         |            |           | Y          |
| 2                                        | <i>Stevenson, York, Santa Catalina</i>                                                     | <i>Climate Action partnership<br/>/ Green Schools</i>                      |                                                                                               | <i>LaNette Zimmerman,<br/>Scott Lonergan</i> |            |           | Y          |
| 3                                        | Youth Center                                                                               | Climate Action partnership<br>/ Green Schools                              |                                                                                               | LaNette Zimmerman,<br>Scott Lonergan         |            |           |            |
| 4                                        | CSUMB                                                                                      | Internships<br>Climate Action partnership<br>/ Green Schools               |                                                                                               | LaNette Zimmerman,<br>Scott Lonergan         |            |           | Y          |
| 5                                        | MPCC                                                                                       | Internships<br>Climate Action partnership<br>/ Green Schools               |                                                                                               | LaNette Zimmerman,<br>Scott Lonergan         |            |           |            |
| 6                                        | MIISS                                                                                      | Climate Action partnership<br>/ Green Schools                              |                                                                                               | LaNette Zimmerman,<br>Scott Lonergan         |            |           | Y          |
| 7                                        | NPS                                                                                        | Climate Action partnership<br>/ Green Schools                              | Ann E. Rondeau (ret.) ( <a href="mailto:pao@nps.edu">pao@nps.edu</a> )                        | LaNette Zimmerman,<br>Scott Lonergan         |            |           |            |
| <b>Regional Non-Profit Organizations</b> |                                                                                            |                                                                            |                                                                                               |                                              |            |           |            |
| 1                                        | Monterey Bay Aquarium                                                                      | Marine Sanctuary impacts<br>Climate Action Support                         |                                                                                               | Carrie Theis                                 |            |           |            |
| 2                                        | Ecology Action                                                                             | Climate Action Support                                                     | Kirsten Liske                                                                                 | Agnes Martelet                               |            |           |            |
| <b>Other Stakeholders</b>                |                                                                                            |                                                                            |                                                                                               |                                              |            |           |            |
| 1                                        | Pebble Beach Company                                                                       | Bluffs / Seawalls / Beach<br>Regional transportation<br>Emergency response |                                                                                               | Jeff Baron / Carrie Theis                    | X          |           |            |
| 2                                        | <i>Principals Involved in 1983 response; authors of the CBTS Shoreline Management Plan</i> | <i>Bluffs / Seawalls / Beach</i>                                           | <i>Greg D'Ambrosio (past Assistant City Administrator); David Shonman (Coastal Biologist)</i> | <i>Evan Kort, Scott Lonergan</i>             |            | X         | Y          |
| 3                                        | Cities with similar challenges (e.g. PG, Monterey, Seaside, Pacifica, Del Mar, Malibu)     |                                                                            |                                                                                               | Jeff Baron / Carrie Theis                    |            |           |            |

**Climate Committee**  
**Presentation Schedule**  
**1/21/2021**

| <b>Climate Committee Meeting Date</b> | <b>Presenters</b>                                                                                                                                                                                                                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10/15/2020                            | <b>Sara Davis</b> – Forestry Science and Adapting Carmel’s Urban Forest to Climate Change<br><b>Monterey Fire</b> – Defensible Space Inspection Program, community resilience to wildfires                                                                                                                                 |
| 11/19/2020                            | <b>Monterey County Office of Emergency Services</b> (confirmed) – Multi-jurisdictional Hazard Mitigation Plan<br><b>Greg D’Ambrosio, David Shonman</b> – Carmel coastal processes and damage caused by previous storms                                                                                                     |
| 12/17/2020                            | <b>United States Geological Survey</b> (confirmed) – CosMos Modeling of Sea Level Rise and storm impacts on Carmel coast<br><b>Carmel Public Works</b> (confirmed) – Storm Drain Master Plan and readiness of drainage system for climate change                                                                           |
| 1/21/2021                             | <b>Monterey Regional Waste Management District</b> (confirmed) – GHG reduction strategies<br><b>PG&amp;E</b> – Power grid resilience<br><b>Monterey Peninsula Water Management District</b> (confirmed) – Water supply resilience                                                                                          |
| 2/18/2021                             | <b>Association of Monterey Bay Area Governments</b> (pending confirmation) – results of 2018 greenhouse gas inventory<br><b>Central Coast Community Energy</b> (was Monterey Bay Community Power, pending confirmation) – climate action efforts, new procurement policy, and how that will affect our Climate Action Plan |

Not yet on the schedule

- Landwatch
- California Coastal Commission
- Monterey-Salinas Transit
- Monterey Bay Sanctuary