

AMBAG

Board of Directors Agenda

Association of Monterey Bay Area Governments

P.O. Box 2453, Seaside, California 93955-2453

Phone: (831) 883-3750

Fax: (831) 883-3755

Email: info@ambag.org



Meeting Via GoToWebinar

DATE: June 10, 2020

TIME: 6:00 PM

Please register for the AMBAG Board of Directors meeting at

<https://attendee.gotowebinar.com/register/3664314221912976907>

The AMBAG Board of Directors meeting will NOT be held at the Marina Library, Community Room, 190 Seaside Circle, Marina, CA 93933 as originally scheduled in light of Governor Newsom's State of Emergency declaration regarding the COVID-19 outbreak and in accordance with Executive Order N-29-20 and the shelter in place directive. The meeting will be conducted via GoToWebinar. The AMBAG Board of Directors will participate in the meeting from individual remote locations. We apologize in advance for any technical difficulties.

Members of the public will need to attend the meeting remotely via GoToWebinar.

Persons who wish to address the AMBAG Board of Directors on an item to be considered at this meeting are asked to submit comments in writing at info@ambag.org by 5:00 PM, Tuesday, June 9, 2020. The subject line should read "Public Comment for the June 10, 2020 Board of Directors Meeting". The agency clerk will read up to 3 minutes of any public comment submitted.

To participate via GoToWebinar, please register for the June 10, 2020 AMBAG Board of Directors meeting using the following link: <https://attendee.gotowebinar.com/register/3664314221912976907>

You will be provided dial-in information and instructions to join the meeting.

If you have any questions, please contact Ana Flores, Senior Executive Assistant at aflores@ambag.org or at 831-883-3750.

-
1. CALL TO ORDER
 2. ROLL CALL
 3. ORAL COMMUNICATIONS FROM THE PUBLIC ON ITEMS NOT ON THE AGENDA
(A maximum of three minutes on any subject not on the agenda)
 4. ORAL COMMUNICATIONS FROM THE BOARD ON ITEMS NOT ON THE AGENDA

5. COMMITTEE REPORTS

- A. **Executive/Finance Committee**
Recommended Action: INFORMATION
• **President McShane**

Receive oral report.

- B. **Monterey Bay National Marine Sanctuary (MBNMS) Advisory Council (SAC) Meeting**
Recommended Action: DIRECT
• **President McShane**

The next meeting is scheduled on June 19, 2020.

- ## 6. EXECUTIVE DIRECTOR'S REPORT
- Recommended Action: INFORMATION**
• **Maura Twomey, Executive Director**

- ## 7. CONSENT AGENDA
- Recommended Action: APPROVE**

Note: Actions listed for each item represents staff recommendation. The Board of Directors may, at its discretion, take any action on the items listed in the consent agenda.

- A. **Draft Minutes of the May 13, 2020 AMBAG Board of Directors Meeting**
• **Ana Flores, Senior Executive Assistant**

Approve the draft minutes of the May 13, 2020 AMBAG Board of Directors meeting. (Page 5)

- B. **AMBAG Regional Clearinghouse Monthly Newsletter**
• **Will Condon, Planner**

Accept the clearinghouse monthly newsletter. (Page 11)

- C. **AMBAG Energy Watch Update Report**
• **Amaury Berteaud, Special Projects Manager**

Accept the Energy Watch update report. (Page 15)

D. Memorandum of Understanding (MOU) between AMBAG and Monterey Bay Community Power (MBCP) for the Development of Annual Community-Wide GHG Inventories for MBCP Member Agencies

- Amaury Berteaud, Special Projects Manager

Approve the MOU between AMBAG and MBCP for the Development of Annual Community-Wide GHG Inventories for MBCP Member Agencies and authorize the Executive Director to execute the MOU. (Page 19)

E. Memorandum of Understanding (MOU) between AMBAG, San Luis Obispo Air Control Pollution District, and San Luis Obispo Council of Governments for the Development of 2018 Community-Wide GHG Inventories for six San Luis Obispo jurisdictions.

- Amaury Berteaud, Special Projects Manager

Approve the MOU between AMBAG, San Luis Obispo Air Control Pollution District, and San Luis Obispo Council of Governments for the development of 2018 community-Wide GHG inventories for six San Luis Obispo jurisdictions and authorize the Executive Director to execute the MOU. (Page 29)

F. Draft Amendment No. 4 to the FY 2019-20 Monterey Bay Region Overall Work Program (OWP) and Budget

- Bhupendra Patel, Ph.D., Director of Modeling

Approve Draft Amendment No. 4 to the FY 2019-20 OWP and Budget. (Page 41)

G. Financial Update Report

- Errol Osteraa, Director of Finance & Administration

Accept the financial update report which provides an update on AMBAG's current financial position and accompanying financial statements. (Page 55)

8. ITEMS REMOVED FROM CONSENT CALENDAR FOR DISCUSSION AND POSSIBLE ACTION

9. PLANNING

A. Draft Approach for the Allocation of Regional Early Action Planning Funding
Recommended Action: APPROVE

- Heather Adamson, Director of Planning

Approve the approach for the allocation of the AMBAG Regional Housing Planning (REAP) Funding. (Page 61)

B. Central Coast Highway 1 Climate Resiliency Study

Recommended Action: INFORMATION

- Heather Adamson, Director of Planning

Receive a presentation on the draft report for the Central Coast Highway 1 Climate Resiliency Study. (Page 65)

10. ADJOURNMENT

REFERENCE ITEMS:

- A. 2020 Schedule of Meetings (Page 75)
- B. Acronym Guide (Page 77)

NEXT MEETING:

The 2020 AMBAG Board of Directors meeting locations are subject to change and may be held remotely in light of Governor Newsom's State of Emergency declaration regarding the COVID-19 outbreak and in accordance with Executive Order N-29-20 and the shelter in place directives.

Date: August 12, 2020

Location: TBD

Executive/Finance Committee Meeting: 5:00 PM

Board of Directors Meeting: 6:00 PM

If requested, the agenda shall be made available in appropriate alternative formats to persons with a disability, as required by Section 202 of the Americans with Disabilities Act of 1990 (42 USC Sec. 12132), and the federal rules and regulations adopted in implementation thereof. If you have a request for disability-related modification or accommodation, including auxiliary aids or services, contact Ana Flores, AMBAG, 831-883-3750, or email aflores@ambag.org at least 48 hours prior to the meeting date.

DRAFT
MINUTES OF THE PROCEEDINGS
OF THE BOARD OF DIRECTORS OF THE
ASSOCIATION OF MONTEREY BAY AREA GOVERNMENTS

May 13, 2020

1. CALL TO ORDER

The Board of Directors of the Association of Monterey Bay Area Governments, President, Steve McShane presiding, convened at 6:02 p.m. Wednesday, May 13, 2020 via GoToWebinar.

2. ROLL CALL

<u>AMBAG Board of Directors</u>			
PRESENT:			
Agency	Representative	Agency	Representative
Capitola	Kristen Petersen	County of Monterey	John Phillips
Del Rey Oaks	Louise Goetzelt	County of Santa Cruz	Greg Caput
Gonzales	Scott Funk	County of Santa Cruz	Bruce McPherson
Greenfield	Lance Walker	County of San Benito	Jim Gillio
Hollister	Carol Lenior	County of San Benito	Mark Medina
King City	Carlos Victoria		
Marina	Lisa Berkley		
Monterey	Ed Smith	<u>Ex-Officio Members:</u>	
Pacific Grove	Jenny McAdams	Caltrans, District 5	Aileen Loe
Salinas	Steve McShane	MBARD	Richard Stedman
San Juan Bautista	John Freeman	MBCP	JR Killigrew
San City	Mary Ann Carbone	SBtCOG	Mary Gilbert
Scotts Valley	Derek Timm	TAMC	Debbie Hale
Seaside	Jon Wizard		
Soledad	Marisela Lara		
Watsonville	Felipe Hernandez		
ABSENT:			
Carmel-by-the-Sea	Bobby Richards	<u>Ex-Officio Members:</u>	
County of Monterey	Mary Adams	MPAD	Michael La Pier
		MST	Lisa Rheinheimer
		SCCRTC	Guy Preston
		SC METRO	Alex Clifford

Others Present: Heather Adamson, Director of Planning; Amaury Berteaud, Assistant Special Projects Manager; Bhupendra Patel, Director of Modeling; Bobbie Grant, Office Assistant; Will Condon, Planner; Maura Twomey, Executive Director; and Ana Flores, Senior Executive Assistant.

3. ORAL COMMUNICATIONS FROM THE PUBLIC ON ITEMS NOT ON THE AGENDA

None.

4. ORAL COMMUNICATIONS FROM THE BOARD ON ITEMS NOT ON THE AGENDA

JR Killigrew, Director of Communications & Energy Programs, MBCP, reported that the MBCP Board of Directors approved the MOU between AMBAG and MBCP for development of GHG inventories.

A. Executive/Finance Committee

President McShane reported that the Executive/Finance Committee approved the consent agenda that included 1) the minutes of the February 12, 2020 meeting; 2) list of warrants as of March 31, 2020; and 3) accounts receivable as of March 31, 2020. The Executive/Finance Committee also received 1) the financial update report from Errol Osteraa, Director of Finance and Administration; and 2) a report on the draft FY 2020-21 Monterey Bay Region Overall Work Program (OWP) and Budget.

6. EXECUTIVE DIRECTOR'S REPORT

Maura Twomey, Executive Director reported that AMBAG staff will continue to work remotely through May 31, 2020 which is consistent with state and local shelter in place directives related to COVID-19. Mrs. Twomey also reported AMBAG, as the federally designated Metropolitan Planning Agency for Monterey, San Benito and Santa Cruz counties, applied for the Federal CARES Act which included \$150 Billion in relief funds for state and local governments with populations of 500,000 or more. The Secretary of the Treasury ruled that MPOs and COGs were not eligible for this funding.

7. CONSENT AGENDA

A. Draft Minutes of the March 11, 2020 AMBAG Board of Directors Meeting

The draft minutes of the March 11, 2020 AMBAG Board of Directors meeting were approved.

B. AMBAG Regional Clearinghouse Monthly Newsletter

The AMBAG Regional Clearinghouse Monthly Newsletter was accepted.

C. Central Coast Highway 1 Climate Resiliency Study

The update on the Central Coast Highway 1 Climate Resiliency Study was accepted.

D. Formal Amendment No. 13 to the Monterey Bay Metropolitan Transportation Improvement Program (MTIP): FFY 2018-19 to FFY 2021-22

The Formal Amendment No. 13 to the Monterey Bay MTIP: FFY 2018-19 to FFY 2021-22 was approved.

E. Financial Update Report

The financial update report was accepted.

Director Philips clarified that the County of Monterey did not certify the Pure Water Monterey Groundwater Replenishment Project EIR that was included under the clearinghouse item.

Motion made by Director Goetzelt, seconded by Director Cummings to approve the consent agenda. The motion passed unanimously.

8. ITEMS REMOVED FROM CONSENT CALENDAR FOR DISCUSSION AND POSSIBLE ACTION

None.

9. ADMINISTRATION

A. Draft FY 2020-21 Monterey Bay Region Overall Work Program (OWP) and Budget

Heather Adamson, Director of Planning gave a presentation on the draft FY 2020-21 OWP and Budget. The FY 2020-2021 OWP is 1) a federally required document to receive federal funds; 2) covers all AMBAG work programs and activities; 3) used as a project management tool by staff; 4) implements 10 Federal Planning Factors; and 5) implements the AMBAG Board adopted priorities; a) Modeling and Research, b) Planning and Forecasts; c) Sustainable Development Strategies; and d) Collaborative Planning and Implementation. The FY 2020-2021 OWP highlights are 1) it's a federally required documents to receive federal funds; 2) development/management of current & future OWP; 3) regional coordination and FAST Act implantation; 4) GIS data analysis, GIS Web portal and member services; 5) development of ABM for 2045 MTP/SCS; 6) development and coordination of RHNA; 7) development and coordination of the 2045 MTP/SCS; 8) management and development of region's MTIP; and 9) carryout greenhouse gas inventories for communities. The FY 2020-21 OWP and Budget timeline is 1) Board adoption at the May 13, 2020 Board of Directors meeting; 2) expected State approval on May 29, 2020; and 3) expected Federal approval date on June 30, 2020. Ms. Adamson gave an overview of the draft FY 2020-2021 Budget. The funding highlights are 1) it's a balanced budget pursuant to the AMBAG By-Laws; 2) staff level will be maintained equivalent to FY 2019-20; 3) staff is withdrawing 3.5% COLA; 4) there is no change to total member dues; 5) there is a reduction in professional services due to project/grant closeout; and 6) continued use of toll credits preserves the General Fund. The FY 2020-21 revenues by source are 1) FHWA: \$1,468,901; 2) FTA: \$377,229; 3) SB 1: \$415,537; 4) Other State: \$7,991,311; and 5) Local: \$423,950.

Director Phillips stated that he appreciated staff removing the 3.5% COLA from the draft FY 2020-21 budget at a time when some local jurisdictions are considering layoffs. Brief discussion followed.

Director Wizard asked what the process is if a member agency does not pay their agency dues.

Maura Twomey, Executive Director stated that based on AMBAG's bylaws, the jurisdiction that does not pay their dues can remain a member but will not be allowed to vote.

Motion made by Director Smith, seconded by Director Hernandez to adopt the draft FY 2020-21 OWP and Budget and authorize staff to submit the draft FY 2020-21 OWP to Caltrans and federal agencies for their approval. Motion passed unanimously.

10. PLANNING

A. Draft Approach for the Allocation of Regional Early Action Planning (REAP) Funding

Heather Adamson, Director of Planning reported that AMBAG staff presented a draft REAP fund suballocation approach in cooperation with our regional GOG partners to the Central Coast Housing Working Group (CCHWG) at their January 31, 2020 meeting. The CCHWG directed staff to proceed developing the funding approach and the regional REAP approach was approved at their April 24, 2020 meeting. The approach for allocating regional housing funding is 1) three percent of the funds which is \$237,939, will be allocated to the fiscal agent to administer the grant for the Central coast from 2020-2024. It will be used for housing planning best practices toolkit, outreach and education, coordination and compliance with HCD, financial oversight and auditing, invoicing and reporting, and contract management; 2) \$7693,372 will be allocated to the four COG's. The amounts allocated are based on the proportion of each COG's population within the Central Coast megaregion to maintain geographic equity. AMBAG is allocated \$3,651,516; SBtCOG is allocated \$315,812; SLOCOG is allocated \$1,421,465; and SBCAG is allocated \$2,304,579. COG's may use some funds to develop an improved methodology for 6th Cycle RHNA; 3) COG's allocate remaining funding to jurisdictions or other subregional entities for housing planning; and 4) COG's may suballocate funding to their jurisdictions using geographic equity or other processes at their discretion. Ms. Adamson added that AMBAG's proposed approach is to allocate \$3,300,000 to the local jurisdictions within Monterey and Santa Cruz counties according to jurisdiction size, consistent with thresholds in HCD's LEAP Program. The remaining funds of \$351,516 would be used to prepare the 6th Cycle RHNA methodology and allocation updates and other regional planning activities. This approach was discussed with Planning Directors and there is general support for this approach. SBtCOG is currently discussing its approach with its three jurisdictions. For Monterey and Santa Cruz counties the maximum grant amounts are to be set as follows based on jurisdiction size 1) Less than 20,000 will receive a maximum award amount of \$65,000; 2) 20,000 to 59,999 will receive a maximum award amount of \$165,000; 3) 60,000 to 99,999 will receive a maximum award amount of \$300,000; and 4) 100,000 to 199,999 will receive a maximum award amount of \$530,000. Examples of eligible uses of REAP funds are 1) infrastructure planning to support new housing and new residents; 2) technical assistance in improving housing permitting processes, tracking systems and planning tools; 3) feasibility studies to identify the best housing sites; 4) establishing housing trust funds for affordable housing; 5) temporary staffing or consultants for housing planning activities; 6) 6th Cycle Housing elements; and 7) other actions which accelerate housing production. The next steps are 1) each of the four COGs will finalize their funding approach; 2) AMBAG will continue to work on executing agreements for REAP funding; 3) draft REAP application for suballocation to the Central Coast local jurisdictions is under development; and 4) funding is expected to be available in early summer. Brief discussion followed.

Director Gillio asked about REAP funding distributions to the county of San Benito.

Mary Gilbert, Executive Director, SBtCOG will follow up with San Benito county Board members with their approach.

11. ADJOURNMENT

The Board of Directors meeting adjourned at 7:08 p.m.

Steve McShane, President

Maura F. Twomey, Executive Director

AMBAG BOARD OF DIRECTORS MEETING ATTENDANCE & VOTING RECORD
BOARD MEETING DATE: May 13, 2020

Attendance (Y= Present; AB= Absent) Voting (Y= Yes; N=No; A=Abstain)				
MEMBER	AMBAG REP	Attendance	Item# 7	Item# 9.A
Capitola	Kristen Petersen	Y	Y	Y
Carmel-by-the-Sea	Bobby Richards	AB	N/A	N/A
Del Rey Oaks	Louise Goetzelt	Y	Y	Y
Gonzales	Scott Funk	Y	Y	Y
Greenfield	Lance Walker	Y	Y	Y
Hollister	Carol Lenoir	Y	Y	Y
King City	Carlos Victoria	Y	Y	Y
Marina	Lisa Berkley	Y	Y	Y
Monterey	Ed Smith	Y	Y	Y
Pacific Grove	Jenny McAdams	Y	Y	Y
Salinas	Steve McShane	Y	Y	Y
San Juan Bautista	John Freeman	Y	Y	Y
Sand City	Mary Ann Carbone	Y	Y	Y
Santa Cruz	Justin Cummings	Y	Y	Y
Scotts Valley	Derek Timm	Y	Y	Y
Seaside	Jon Wizard	Y	Y	Y
Soledad	Marisela Lara	Y	Y	Y
Watsonville	Felipe Hernandez	Y	Y	Y
County-Monterey	Mary Adams	AB	N/A	N/A
County-Monterey	John Phillips	Y	Y	Y
County-Santa Cruz	Bruce McPherson	Y	N/A	N/A
County-Santa Cruz	Greg Caput	Y	Y	Y
County-San Benito	Jim Gillio	Y	N/A	Y
County-San Benito	Mark Medina	Y	Y	Y

(* = Board Member(s) arrived late or left early, therefore, did not vote on the item. Please refer the minutes)



MEMORANDUM

TO: AMBAG Board of Directors

FROM: Maura F. Twomey, Executive Director

RECOMMENDED BY: Will Condon, Planner

SUBJECT: AMBAG Regional Clearinghouse Monthly Newsletter

MEETING DATE: June 10, 2020

RECOMMENDATION:

It is recommended that the Board of Directors accept the May 2020 Clearinghouse monthly newsletter.

BACKGROUND/DISCUSSION:

Since March 12, 1984, under adopted State Clearinghouse Procedures, the Association of Monterey Bay Area Governments (AMBAG) was designated the regional agency responsible for clearinghouse operations in Monterey, San Benito and Santa Cruz Counties. These procedures implement Presidential Executive Order 12372 as interpreted by the "State of California Procedures for Intergovernmental Review of Federal Financial Assistance and Direct Development Activities." They also implement the California Environmental Quality Act of 1970 as interpreted by CEQA Guidelines.

The purpose of the Clearinghouse is to provide all interested parties within the Counties of Monterey, San Benito and Santa Cruz notification of projects for federal financial assistance, direct federal development activities, local plans and development projects and state plans that are proposed within the region. These areawide procedures are intended to be coordinated with procedures adopted by the State of California.

FINANCIAL IMPACT:

There is no direct financial impact. Staff time for monitoring clearinghouse activities is incorporated into the current AMBAG Overall Work Program and budget.

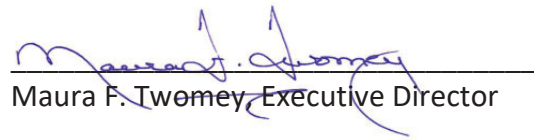
COORDINATION:

Notices for the Clearinghouse are sent by lead agencies to AMBAG. Interested parties are sent email notifications twice a month with the newsletter attached.

ATTACHMENT:

1. Monthly Newsletter - Clearinghouse items May 1 – May 31, 2020.

APPROVED BY:



Maura F. Twomey, Executive Director

Attachment 1

AMBAG REGIONAL CLEARINGHOUSE

The AMBAG Board of Directors will review these items on 6/10/2020

Association of Monterey Bay Area Governments P.O. Box 2453, Seaside, CA 93955 / 831.883.3750

ENVIRONMENTAL DOCUMENTS

20200601 – Café Tori Investments LLC (Harvest Moon Agricultural Employee Housing)
Monterey County Resource Management Agency Cheryl Ku 831-796-6049
Notice of Intent (NOI) Mitigated Negative Declaration (MND)
Lot Line Adjustment between two legal lots of record of approximately 48.65 acres (APN 261-011-026-000) and 8.98 acres (APN 261-011-024-000), resulting in two parcels of approximately 51.81 (Parcel 1) acres and 5.82 acres (Parcel 2), a Use Permit, and General Development Plan to allow 150 units accommodating up to 1,200 agricultural employees.
Project is located in Monterey County Parcel: 261011026000
Public hearing information: Monterey County Board of Supervisors Chambers, 168 West Alisal Street 2 nd Floor, Salinas, CA 6/24/2020 @ 9:00 am.
Public review period ends: Friday, June 12, 2020

20200602 – Dynegy Moss Landing LLC (Vistra Energy)
Monterey County Resource Management Agency Jacquelyn M. Nickerson 831-755-5240
Notice of Intent (NOI) Mitigated Negative Declaration (MND)
Coastal Administrative Permit to establish four (4) new battery energy storage systems (BESS), including the construction of four (4) two-story buildings consisting of a total of 391,200 square feet (Building 1 - 106,500 square feet, Building 2 - 94,500 square feet, Building 3 - 66,000 square feet and Building 4- 124,200 square feet), installation of 300-500 inverters and converters, and the placement of two (2) substations totaling 92,000 square feet (Substation 1 - 32,00 square feet and Substation 2 - 60,000 square feet) which include 3-4 new monopoles at a height of 150 feet. The project will result in grading of 124,000 cubic yards of cut.
Project is located in Monterey County Parcel: 133181011000
Public hearing information: Monterey County Board of Supervisors Chambers, 168 West Alisal Street 2 nd Floor, Salinas, CA 7/8/2020 @ 9:00 am.
Public review period ends: Monday, June 15, 2020

20200503 – Spreckels Industrial Park LLC
Monterey County Resources Management Agency John Dugan 831-755-5025
Notice of Intent (NOI) Mitigated Negative Declaration (MND)
Minor Subdivision to allow the division of a 155 acre parcel into two parcels of 109 acres (Parcel 1) and 46.3 acres (Parcel 2), respectively. No development or construction is included in project scope of work.
Project is located in Monterey County Parcel: 177021016000
Public hearing information: N/A
Public review period ends: Wednesday, May 27, 2020

20200504 – Riverfront Project
City of Santa Cruz Samantha Haschert 831-420-5196
Notice of Availability Draft Environmental Impact Report* (DEIR)
The project consists of demolition of existing commercial buildings and the construction of a seven-story, 188,694-square-foot, mixed-use building with 175 residential condominium units and 11,498 square feet of ground floor and levee-front commercial space. A total of 20 residential units would be designated as affordable housing, with 15 units for very low-income households and 5 units for low-income households. The Project applicant is seeking a 35-percent density bonus pursuant to state and local law.
Project is located in Santa Cruz County Parcel: 00515139
Public hearing information: N/A
Public review period ends: Wednesday, June 24, 2020

More detailed information on these projects is available by calling the contact person for each project or through AMBAG at (831) 883-3750. Comments will be considered by the AMBAG Board of Directors in its review. All comments will be forwarded to the applicants for response and inclusion in the project application. If substantial coordination or conflict issues arise, the Clearinghouse can arrange meetings between concerned agencies and applicants.



MEMORANDUM

TO: AMBAG Board of Directors

FROM: Maura F. Twomey, Executive Director

RECOMMENDED BY: Amaury Berteaud, Special Projects Manager

SUBJECT: AMBAG Energy Watch Update Report

MEETING DATE: June 10, 2020

RECOMMENDATION:

It is recommended the Board of Directors accept this report.

BACKGROUND/ DISCUSSION:

CPUC Funding Cycle Background

The AMBAG Energy Watch program has existed since 2006 and has been awarded funding by the California Public Utilities Commission, (CPUC), during each of the seven funding cycles; the 2006-08 cycle, the 2009 cycle, the 2010-12 cycle, the 2013-14 cycle, the 2015 cycle, the 2016-18 cycle and most recently, the 2019 through June 30th 2020 cycle.

The program elements funded by the AMBAG Energy Watch program materialized out of a collaborative working process with the AMBAG Energy Advisory Committee. This committee includes staff from all AMBAG member jurisdictions, business interest groups, non-profit organizations, community groups, PG&E representatives, and AMBAG staff. The programs that were developed support the specific energy efficiency needs of jurisdictions in two main areas; serving jurisdictional businesses, schools, and non-profits and in directly supporting the jurisdiction's own energy efficiency and energy cost reduction efforts. In addition, Energy Watch programs play a major role in completing jurisdiction-level greenhouse gas inventories and providing baseline data to assist with development of energy and climate action plans for the region's jurisdictions.

It was the intent of the CPUC to begin structuring programs in longer cycles, referred to as a "Rolling Portfolio", beginning in 2015, with the target of developing a ten year rolling cycle. As of 2019, the CPUC is currently in Phase II of a three phase rulemaking process regarding the implementation of the "Rolling Portfolio". As such the goal of longer program cycles remains aspirational. For 2019 there was one year transitional contract, which was then extended by

Planning Excellence!

PG&E to an 18 month transitional contract, ending June 30, 2020. This transitional contract was then extended by a further two months, to August 30th 2020.

Energy Watch Program Elements

2019 Program Final Reporting

AMBAG Energy Watch staff has been implementing a transition year program for 2019 and 2020. Given that the CPUC has structured this as a transition period, program elements remained the same for 2019 and then continued with a further transition in 2020. We targeted to achieve 6,000,000 kWh in energy savings through energy efficiency projects for 2019. The Energy Watch program exceeded its 2019 energy efficiency goal by completing energy projects projected to save 6,711,519 kWh of energy annually.

In the first quarter of 2020 the AMBAG Energy Watch program targeted to achieve 900,000 kWh in energy savings. The program completed energy projects projected to save 765,672 kWh of energy savings annually.

Program Participants

School Districts

The State of California, over five years, has been releasing funding through Proposition 39 to help schools implement energy efficiency and conservation. To receive this funding, the school districts must comply with the Proposition 39: California Clean Energy Jobs Act – 2013 Program Implementation Guidelines. These guidelines include requirements such as energy benchmark their facilities, identify the energy projects they want to complete and the efficiency metrics related to the projects and prepare and submit the funding application to the California Energy Commission (CEC). On May 13th 2020 the California Energy Commission extended the proposition 39 program by one year as a result of the ongoing COVID 19 pandemic. The deadline to complete projects was extended to June 30th 2021 and the deadline to complete the final project completion reports was extended to June 30th 2022.

AMBAG Energy Watch staff worked with nine school districts to submit amendments for their Proposition 39 Energy Expenditure Plans. As per the California Energy Commission guidelines school districts have to amend their plans when the costs or scope of projects change by more than 15 percent. AMBAG worked with staff at Aromas San Juan Unified School District, Hollister School District, North County Joint Union Elementary School District, Pajaro Valley Unified School District, Panoche Elementary School District, San Lorenzo valley Unified School District, San Lorenzo Valley Charter School, Scotts Valley Unified School District and South Monterey County Joint Union High School District to identify spent proposition 39 funds by school and by energy measure in order to write amendment reflecting final project costs.

The Monterey Peninsula Unified School District is currently installing LED lighting projects in gyms across multiple schools. Once installed the new lights will save the district more than 50,000 annual kWh and \$8,000 per year.

The Hollister School District is installing new LED lighting at the Rancho San Justo Middle School and the Marguerite Maze Middle school. Once installed the new lights will save the district more than 100,000 annual kWh and \$16,000 per year.

Small Business, Agriculture, and Non-Profits

AMBAG Energy Watch works with all of our local businesses to reduce energy use by installing energy efficient retrofits. The program supports non-profits, agriculture, hospitality, retail stores, offices, and all small business. The Energy Watch program has served over 20 small businesses, agriculture and non-profits in 2020 to date.

Municipal Jurisdictions and Special Districts

AMBAG Energy Watch works with all of the AMBAG jurisdictions on all types of energy efficiency projects, including lighting HVAC, water, and wastewater facility equipment, etc. The program provides technical support on fund acquisition through the CEC loan program and through PG&E % On-Bill financing in addition to energy efficiency project identification and implementation.

AMBAG Energy Watch worked with the City of Watsonville to complete an LED lighting retrofit at the Senior Center. The project was installed and the city is now saving over 10,000 annual kWh as well as over \$2,000 per year.

AMBAG Energy Watch worked with the County of Santa Cruz to complete LED lighting retrofit projects at the Buena Vista Landfill and the Ben Lomond Transfer Station. These projects have been installed and the new lighting is now saving the county more than 120,000 annual kWh as well as over \$20,000 per year.

Greenhouse Gas Inventories and Climate Action Planning

AMBAG Energy Watch works to complete Greenhouse Gas (GHG) Inventories for all AMBAG Jurisdictions. Staff completed Community-wide GHG Inventories for all jurisdictions in 2005, 2009, 2010 and 2015 as well as a baseline Municipal GHG Inventories for all AMBAG jurisdictions in 2005. AMBAG Energy Watch has also been able to use the inventories to create a regional roll-up inventory and assist jurisdictions with climate action planning activities.

AMBAG Energy Watch staff is working with the city of Pacific Grove to complete their 2018 Municipal GHG Inventory. This inventory will be used to identify how Pacific Grove's efforts to reduce energy use through energy efficiency have translated into GHG reductions compared to the original baseline inventory.

AMBAG Energy Watch worked with the City of Carmel, the City of Hollister the City of Salinas and City of Watsonville to complete Community-wide GHG Inventories. All four cities are in the exploratory stages of their climate action planning process and the inventories will serve as a starting point to forecast future emissions as well as identify potential GHG reduction measures.

ALTERNATIVES:

There are no alternatives to discuss as this is an informational report.

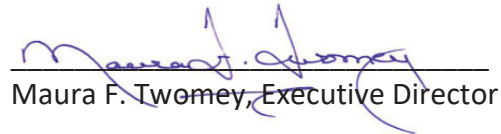
FINANCIAL IMPACT:

The budget is fully funded under the 2019 Energy Watch contract with PG&E.

COORDINATION:

AMBAG Energy Watch staff is coordinating with the CPUC, Pacific Gas & Electric Company Energy Watch program management, local jurisdictions, local community stakeholders and the third party contractors that service the AMBAG Energy Watch Program.

APPROVED BY:


Maura F. Twomey, Executive Director



MEMORANDUM

TO: AMBAG Board of Directors

FROM: Maura F. Twomey, Executive Director

RECOMMENDED BY: Amaury Berteaud, Special Projects Manager

SUBJECT: Memorandum of Understanding (MOU) between AMBAG and Monterey Bay Community Power (MBCP) for the Development of Annual Community-Wide GHG Inventories for MBCP Member Agencies

MEETING DATE: June 10, 2020

RECOMMENDATION:

The AMBAG Board of Directors is asked to approve the AMBAG and Monterey Bay Community Power Memorandum of Understanding (MOU) for the Development of Annual Community-Wide GHG Inventories for MBCP Member Agencies and authorize the Executive Director to execute the MOU.

BACKGROUND/ DISCUSSION:

Since 2006, the Association of Monterey Bay Area Governments (AMBAG) has provided energy efficiency and climate planning support to the twenty one AMBAG jurisdictions. In 2005, 2009, 2010 and 2015 AMBAG staff prepared Community-wide greenhouse gas emissions (GHG) Inventories on behalf of all jurisdictions, a total of 84 inventories.

A Community-wide GHG Inventory serves to identify baseline GHG levels and sources of emissions for each emissions sector within the jurisdictional control of a county or city. This allows jurisdictions to quantify GHG emissions, forecast future emissions, identify GHG reduction measures, and measure the impact of GHG reduction measures over time. The results of a GHG inventory can also be used by cities and counties to create climate action plans, a crucial first step towards complying with the State's climate action goals to reduce GHG emissions to 1990 levels by 2020 and 40 percent below 1990 levels by 2030.

As part of this proposed MOU, MBCP will allocate funding for AMBAG to develop 2018, 2019, and 2020 Community-wide GHG Inventories for all MBCP member jurisdictions

Planning Excellence!

over the next three years. This will allow AMBAG to continue providing GHG inventories to our jurisdictions and enable continued climate action on the central coast.

AMBAG staff will first develop 2018 Community-wide GHG Inventories on behalf of the current twenty one MBCP member jurisdictions enrolled in MBCP's electricity service as of January 2020. These 2018 GHG inventories will be completed by September 30th 2020. In 2021 and 2022 AMBAG staff will complete Community-wide GHG Inventories for 2019 and 2020 respectively for these twenty one jurisdictions. MBCP will also allocate the same level of funding (\$5,400 per jurisdiction) for AMBAG staff to complete 2018, 2019 and 2020 Community-wide GHG Inventories for other member jurisdictions as they initiate MBCP electricity generation service.

The regional approach to GHG inventories outlined in the proposed MOU will provide a valuable resource to jurisdictions by allowing them to track and compare three years of community-wide GHG emissions for their climate action planning efforts, and to provide a "rolled-up" GHG inventory for all MBCP member jurisdictions.

ALTERNATIVES:

The Board could choose not to approve the MOU.

FINANCIAL IMPACT:

This work, GHG inventorying, is budgeted in the FY 2019/20 and FY 2020/21 Overall Work Program as Work Element 331. The MOU includes a not to exceed amount of \$172,800 for the three year period.

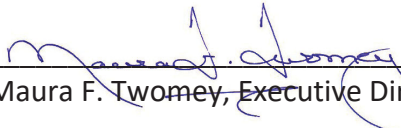
COORDINATION:

The MOU was prepared in cooperation with MBCP.

ATTACHMENT:

1. AMBAG and Monterey Bay Community Power Memorandum of Understanding for the Development of Annual Community-Wide GHG Inventories for MBCP Member Agencies

APPROVED BY:



Maura F. Twomey, Executive Director

MEMORANDUM OF UNDERSTANDING - Attachment 1

This Memorandum of Understanding (this "MOU") is entered into this [dd] day of [month], 2020 (the "Effective Date") between Monterey Bay Community Power Authority, a California joint powers authority, having offices at 70 Garden Court, Suite 300, Monterey, CA 93940 ("MBCP") and the Association of Monterey Bay Area Governments having offices at 24580 Silver Cloud Court, Monterey, CA 93940 ("AMBAG"). MBCP and AMBAG are jointly referred to as the "Parties" and individually as a "Party".

RECITALS

- a) MBCP was formed in February 2017 as a Joint Powers Authority pursuant to California Government Code section 6500 et seq., by its member agencies in order to implement a Community Choice Aggregation ("CCA") program pursuant to California Public Utilities Code Section 366.2.
- b) AMBAG was organized in 1968 as a Joint Powers Authority (JPA) for the purposes of regional collaboration and problem solving. AMBAG serves as the Council of Governments (COG), Metropolitan Planning Organization (MPO), and since 2006 has provided regional energy efficiency programs throughout the AMBAG region and climate planning support to the 21 AMBAG jurisdictions.
- c) AMBAG has been the leader in the MBCP service territory for the preparation of Community-wide greenhouse gas (GHG) emissions Inventories ("GHG Inventories"). It has prepared 84 Community-wide GHG Inventories for the 21 AMBAG jurisdictions covering the time period from the 2005 baseline inventories through the 2015 inventories.
- d) MBCP is committed to investing in the local economy and to reducing the amount of GHG emissions resulting from electric power generation and consumption. Annual preparation of Community-wide GHG Inventories within the MBCP service area will provide data needed to develop strategic planning and monitor progress toward the goal of reduction of greenhouse gas emissions.
- e) The Parties desire to work together to facilitate the development of annual Community-wide GHG Inventories for each of the jurisdictions with MBCP's service area, with the intent of using AMBAG's significant experience in preparing the Community-wide Inventories for these jurisdictions.

NOW THEREFORE, the Parties agree and acknowledge as follows:

1. Objectives and Process

- a) AMBAG will complete three Community-wide GHG Inventories for each jurisdiction within MBCP's service area, which includes the following: The Counties of Monterey, Santa Cruz, and San Benito; and, the Cities of Carmel-By-The-Sea, Capitola, Gonzales,

Greenfield, Hollister, Marina, Monterey, Pacific Grove, Salinas, San Juan Bautista, Sand City, Santa Cruz, Scotts Valley, Seaside, Soledad, and Watsonville (the “Initial Jurisdictions.” The Initial Jurisdictions along with the Cities of Morro Bay and San Luis Obispo are referred to herein as the “2020 Jurisdictions”). Beginning in 2020, AMBAG will complete annual inventories for the years 2018, 2019, and 2020 for the 2020 Jurisdictions. Accordingly, the 2018 Community-wide Inventories will be prepared in 2020, the 2019 inventories in 2021, and the 2020 inventories in 2022. (This is due to the lag in data accessibility.).

- b) Beginning in January 2021, MBCP’s service territory shall expand to include the Cities of Arroyo Grande, Carpinteria, Del Rey Oaks, Goleta, Guadalupe, Grover Beach, Paso Robles, Pismo Beach, Santa Maria, Solvang and the County of Santa Barbara (the “New Jurisdictions”). AMBAG will complete Community-wide GHG Inventories for New Jurisdictions after such time jurisdictions have initiated MBCP electricity service.
- c) To the extent feasible, AMBAG shall seek to obtain funding from regional stakeholders, including but not limited to San Luis Obispo Air Pollution Control District (SLOAPCD), San Luis Obispo Council of Governments (SLOCOG), and the County of Santa Barbara, to complete GHG Emissions Inventories in their respective jurisdictions. AMBAG shall prioritize other such funding sources for services rendered before invoicing MBCP.

2. Project Management Plan

- a) AMGAB Work Plan. In accordance with this MOU, AMBAG shall complete Community-wide GHG Inventories for the jurisdictions set forth in **Attachment 1**. The Community-wide GHG Inventories consist of eight main tasks, including: 1) coordinate data access with jurisdictions, 2) obtain PG&E, SoCal Gas and MBCP usage data and emissions factors, 3) obtain transportation (EMFAC and HPMS), 4) obtain solid waste, wastewater treatment plant (WWTP), and industrial GHG data, 5) create data sheets, 6) complete data entry in Clear Path, 7) create graphics and conduct QA/QC, and 8) create GHG Inventory final report. These tasks are detailed in AMBAG’s Anticipated Work Plan set forth in **Attachment 2**.
- b) 2020 Jurisdictions. In calendar year 2020, AMBAG will complete the 2018 Community-wide GHG Inventories for the 2020 Jurisdictions. The process will be repeated in calendar year 2021 to complete the 2019 Community-wide GHG Inventories, and for a third time in calendar year 2022 to complete the 2020 Community-wide GHG Inventories for all of the 2020 Jurisdictions.
- c) New Jurisdictions. Unless already completed using outside funding sources identified by AMBAG, in calendar year 2021, AMBAG will complete the 2018 and 2019 Community-wide GHG Inventories for the New Jurisdictions who have initiated MBCP electricity service as of January 1, 2021 but no later. The process will be repeated in calendar year

2022 to complete the 2020 Community-wide GHG Inventories for these New Jurisdictions. For New Jurisdictions that initiate MBCP electricity service as of January 1, 2022, AMBAG will complete 2018, 2019, and 2020 Community-wide GHG Inventories in calendar year 2022 and MBCP shall not be obligated to contribute to such New Jurisdiction Community-wide GHG Inventories until deliverables set forth below are completed.

- d) Compensation/Payment. MBCP agrees to pay AMBAG a fixed amount per deliverable for each jurisdiction as set forth in Figure 1 below, with a total not to exceed amount of **\$172,800.00** (\$5,400.00 per MBCP member jurisdiction) for all things necessary to complete the 2018, 2019, and 2020 Community-Wide GHG Inventories for all 32 MBCP member jurisdictions (the “NTE”). The Parties anticipated schedule to complete the Community-wide GHG Inventories for each jurisdiction are set forth in greater detail at **Attachment 1**, which is incorporated herein.

Figure 1

Deliverable No.	Deliverable per MBCP Member Jurisdiction	2018 Inventory Fee	2019 Inventory Fee	2020 Inventory Fee
1	<ul style="list-style-type: none"> Completed ClearPath GHG Inventory datasheet 	\$600.00	\$600.00	\$600.00
2	<ul style="list-style-type: none"> Data entry into ClearPath Creation of graphics 	\$600.00	\$600.00	\$600.00
3	<ul style="list-style-type: none"> Annual Community-wide GHG Inventory Report 	\$600.00	\$600.00	\$600.00
	Total	\$1,800.00	\$1,800.00	\$1,800.00

AMBAG shall invoice MBCP, in accordance with section 2.d below, for services rendered in accordance with sections 2.a and 2.b of this MOU upon completion of the itemized deliverables set forth in Figure 1 above.

MBCP shall not be obligated to, and MBCP funds provided under the MOU shall not be utilized to, reimburse AMBAG or AMBAG staff for travel expenses.

- e) Billing Procedures. AMBAG shall invoice MBCP on a monthly basis, or as needed, upon completion of deliverables provided in this MOU. Payment will be based upon satisfactory acceptance of each deliverable set forth in Figure 1 above. No payments in advance or in anticipation of services or supplies to be provided under this agreement shall be made by MBCP.

The Parties’ anticipated annual breakdown of the NTE is summarized in Figure 2 below.

Figure 2

MBCP FY 19/20	MBCP FY 20/21	MBCP FY 21/22	Total Not to Exceed Amount
\$37,800	\$70,200	\$64,800	\$172,800

- f) **Data Access.** AMBAG will work with ICLEI and MBCP to provide MBCP with ongoing access to ClearPath beyond the term of this MOU.

3. General Provisions

- a) All obligations of the Parties under this MOU are subject to the appropriation of resources by their respective governing bodies.
- b) Nothing in this MOU shall be construed as empowering either Party to exercise any function properly residing with the other Party.
- c) To the extent allowed by law, each Party shall indemnify, defend, and hold harmless the other Party and their officers, officials, governing board members, employees, and agents from and against any and all liability, loss, damage, expense, cost, including without limitation, cost and fees of litigation (including reasonable attorneys' fees), of every nature to the extent such liability, loss, damage, expense, or costs arise out of, or are in any way connected to, any actions of indemnifying Party's officers, agents, governing board members, contractors, and employees related to this MOU, except for the sole negligence or willful misconduct of the Party seeking indemnification. This indemnity shall survive the expiration or termination of this MOU.
- d) All notices or other communications to the Parties shall be deemed given when made in writing and delivered, mailed, emailed, or faxed to such Party at their respective addresses as follows:

To MBCP:

Attention: Tiffany Law, Director of Finance & Administrative Services
Monterey Bay Community Power
70 Garden Court, Suite 300
Monterey, CA 93940
Email: tlaw@mbcommunitypower.org
Phone: (831) 641-7222

To AMBAG:

Attention: Maura Twomey, Executive Director
Association of Monterey Bay Area Governments
24580 Silver Cloud Court
Monterey, CA 93940
Email: mtwomey@ambag.org
Phone: (831) 883-3750

4. Term

- a) This MOU shall become effective when fully executed by all Parties and shall continue in full force and effect for three years until the completion of the 2018, 2019, and 2020 Community-wide GHG Inventories.
- b) Either Party may terminate this MOU by providing thirty (30) days written notice to the other Party.

5. Independent Advice

Each Party represents and warrants that in executing this MOU it does so with full knowledge of the rights and duties it may have with respect to each other. Each Party also represents and warrants that it has received independent legal advice from its attorney with respect to the matters set forth in this MOU, and the rights and duties arising out of this MOU.

6. Dispute Resolution

If any dispute arises between the Parties as to the proper interpretation or application of this MOU the Parties shall first meet and confer in a good faith attempt to resolve the matter between themselves. If the dispute is not resolved by meeting and conferring the matter shall be submitted to formal mediation to a mediator mutually selected by the Parties. The expenses of such mediation shall be shared equally between the Parties.

7. Venue

Should either Party to this MOU bring legal action against the other, (formal judicial proceeding, mediation or arbitration), the action shall be conducted in Monterey County, California.

IN WITNESS THEREOF, the Parties have caused this MOU to be executed by their duly authorized representatives on the first date written above.

Association of Monterey Bay Area Governments

By: _____
Maura F. Twomey, Executive Director

Monterey Bay Community Power Authority

By: _____
Tom Habashi, CEO

Date: _____

APPROVED AS TO FORM:

By: _____
Robert M. Shaw, MBCP General Counsel

Date: _____

Attachment 1

Anticipated GHG Inventory Completion Schedule By Jurisdiction

Jurisdiction	MBCP FY 19/20 Deliverable	MBCP FY 20/21 Deliverable *	MBCP FY 21/22 Deliverable
City of Carmel-By-The-Sea	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of Gonzales	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of Greenfield	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of Marina	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of Monterey	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of Pacific Grove	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of Salinas	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of Sand City	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of Seaside	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of Soledad	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
County of Monterey	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of Hollister	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of San Juan Bautista	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
County of San Benito	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of Capitola	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of Santa Cruz	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of Scotts Valley	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
County of Santa Cruz	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of Watsonville	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of Morro Bay	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of San Luis Obispo	2018 Community Inventory	2019 Community Inventory	2020 Community Inventory
City of Del Rey Oaks	N/A	2018 & 2019 Community Inventories	2020 Community Inventory
City of Paso Robles	N/A	2018 & 2019 Community Inventories	2020 Community Inventory
City of Arroyo Grande	N/A	2018 & 2019 Community Inventories	2020 Community Inventory
City of Grover Beach	N/A	2018 & 2019 Community Inventories	2020 Community Inventory
City of Pismo Beach	N/A	2018 & 2019 Community Inventories	2020 Community Inventory
City of Carpinteria	N/A	N/A	2018 & 2019 & 2020 Community Inventories
City of Goleta	N/A	N/A	2018 & 2019 & 2020 Community Inventories
City of Guadalupe	N/A	2018 & 2019 Community Inventories	2020 Community Inventory
City of Santa Maria	N/A	2018 & 2019 Community Inventories	2020 Community Inventory
City of Solvang	N/A	2018 & 2019 Community Inventories	2020 Community Inventory
County of Santa Barbara	N/A	2018 & 2019 Community Inventories	2020 Community Inventory

Attachment 2

AMBAG Anticipated Work Plan

Year 1, Calendar Year 2020 (2018 baseline GHG Inventories)					
Task Timelines by Month	May	June	July	August	September
Coordinate data access with Jurisdictions			X		
Obtain PG&E and MBCP usage data and emission factors				X	
Obtain transportation data (EMFAC and HPMS)			X		
Obtain solid waste, WWTP and industrial GHG data			X		
Create data sheets				X	
Data entry in ClearPath				X	
Create graphics and conduct quality review					X
Complete Final GHG Inventory Report					X

Year 2, Calendar Year 2021 (2019 GHG Inventories)					
Task Timelines by Month	April	May	June	July	August
Coordinate data access with Jurisdictions			X		
Obtain PG&E and MBCP usage data and emission factors				X	
Obtain transportation data (EMFAC and HPMS)			X		
Obtain solid waste, WWTP and industrial GHG data			X		
Create data sheets				X	
Data entry in ClearPath				X	
Create graphics and conduct quality review					X
Complete Final GHG Inventory Report					X

Year 3, Calendar Year 2022 (2020 GHG Inventories)					
Task Timelines by Month	April	May	June	July	August
Coordinate data access with Jurisdictions			X		
Obtain PG&E and MBCP usage data and emission factors				X	
Obtain transportation data (EMFAC and HPMS)			X		
Obtain solid waste, WWTP and industrial GHG data			X		
Create data sheets				X	
Data entry in ClearPath				X	
Create graphics and conduct quality review					X
Complete Final GHG Inventory Report					X

*This assumes all data sets continue to be accessible on the current schedule.



MEMORANDUM

TO: AMBAG Board of Directors

FROM: Maura F. Twomey, Executive Director

RECOMMENDED BY: Amaury Berteaud, Special Projects Manager

SUBJECT: Memorandum of Understanding (MOU) between AMBAG, San Luis Obispo Air Control Pollution District, and San Luis Obispo Council of Governments for the Development of 2018 Community-Wide GHG Inventories for six San Luis Obispo jurisdictions

MEETING DATE: June 10, 2020

RECOMMENDATION:

The AMBAG Board of Directors is asked to approve the AMBAG, San Luis Obispo Air Control Pollution District, and San Luis Obispo Council of Governments memorandum of understanding for the Development of 2018 Community-Wide GHG Inventories for six San Luis Obispo jurisdictions and to authorize the Executive Director to execute the MOU.

BACKGROUND/ DISCUSSION:

Since 2006, the Association of Monterey Bay Area Governments (AMBAG) has provided energy efficiency and climate planning support to the twenty one AMBAG jurisdictions. In 2005, 2009, 2010 and 2015 AMBAG staff prepared Community-wide greenhouse gas (GHG) Inventories on behalf of all jurisdictions, a total of 84 inventories.

In San Luis Obispo County, the San Luis Obispo Air Control Pollution District (SLOAPCD) coordinated the preparation of 2005 Baseline Community-wide GHG Inventories for each of the San Luis Obispo jurisdictions. Subsequently both the City and County of San Luis Obispo received federal stimulus funds to support the development of their Climate Action Plans (CAPs). SLOAPCD then worked with the remaining six cities to secure funds for individual CAPs, through funding from PG&E, Southern California Gas Company (SoCalGas), and SLOAPCD's mitigation grant funding.

As AMBAG staff started to work with Monterey Bay Community Power (MBCP) staff to draft the Memorandum of understanding between AMBAG and Monterey Bay Community Power for the Development of Annual Community-Wide GHG Inventories for MBCP Member Agencies, SLOAPCD and San Luis Obispo Council of Governments (SLOCOG) staff expressed interest in working with AMBAG to create 2018 inventories for the San Luis Obispo jurisdictions which were not members of MBCP or were not enrolled in MBCP electricity generation service as of January 1st 2020. AMBAG staff then worked with SLOAPCD and SLOCOG to create the proposed MOU.

SLOAPCD and SLOCOG will provide funding for AMBAG to prepare the 2018 Community-wide GHG Inventories for the cities of Arroyo Grande, Atascadero, Grover Beach, Paso Robles and the County of San Luis Obispo. AMBAG staff will first work to review the 2005 inventories for these six jurisdictions and evaluate current GHG emission sources. AMBAG staff will then create the 2018 inventories and prepare detailed GHG inventory reports which will be presented to SLOAPCD, SLOCOG and city staff leadership. This work will be completed by September 30th 2020.

The approach outlined in the proposed MOU will provide 2018 Community-wide GHG Inventories to the six San Luis Obispo jurisdictions while allowing AMBAG staff to ensure a continuity of GHG inventory data sources and methodology across the central coast. This is a great opportunity to further regional collaboration on climate action.

ALTERNATIVES:

None.

FINANCIAL IMPACT:

This work, GHG Inventorying, is budgeted in the FY 2019/20 and FY 2020/21 Overall Work Program as Work Element 331. The MOU includes a not to exceed amount of \$21,252.

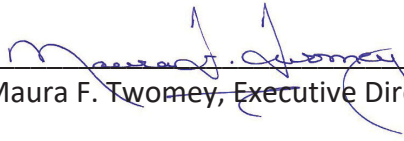
COORDINATION:

The MOU was prepared in cooperation with SLOAPCD and SLOCOG.

ATTACHMENT:

1. AMBAG, San Luis Obispo Air Control Pollution District, and San Luis Obispo Council of Governments for the Development of 2018 Community-Wide GHG Inventories for six San Luis Obispo jurisdictions.

APPROVED BY:


Maura F. Twomey, Executive Director

MEMORANDUM OF UNDERSTANDING - Attachment 1

This Memorandum of Understanding (this “MOU”) is entered into this [dd] day of [month], 2020 (the “Effective Date”) between San Luis Obispo County Air Pollution Control District, having offices at address 3433 Roberto Court, San Luis Obispo, CA 93401 (“SLO County APCD”), San Luis Obispo Council of Governments, having offices at 1114 Marsh St, San Luis Obispo, CA 93401 (“SLOCOG”) and the Association of Monterey Bay Area Governments having offices at 24580 Silver Cloud Court, Monterey, CA 93940 (“AMBAG”).

RECITALS

- a) SLO County APCD was formed by the San Luis Obispo County Board of Supervisors after California legislation in 1970 was passed that placed the primary responsibility of controlling air pollution at the local level. SLO County APCD partnered with local jurisdictions to complete greenhouse gas (GHG) inventories and Climate Action Plans to help the efforts by jurisdictions to meet the emission reduction targets in the 2006 California Assembly Bill 32; 20% below the 1990 levels by 2020.
- b) SLOCOG was formed in 1968 as the Regional Transportation Planning Agency (RTPA) through a Joint Powers Agreement (JPA) for the purposes of regional collaboration and as a forum for area-wide issues. SLOCOG also serves as the Council of Governments (COG), Metropolitan Planning Organization (MPO), and the Service Authority for Freeways and Expressways (SAFE) representative for SLO County.
- c) SLO County APCD and SLOCOG, under this MOU covering the 2018 Community-wide GHG Inventory, support local jurisdictions in their efforts to meet the next phase of California emission reduction targets (Senate Bill 32; 40% below the 1990 emission levels by 2030) and California commitments (Senate Bill 100; carbon-neutrality by 2045). Updating the GHG inventories for the SLO County jurisdictions is one step in these efforts.
- d) AMBAG was organized in 1968 as a Joint Powers Authority (JPA) for the purposes of regional collaboration and problem solving. AMBAG serves as the Council of Governments (COG), Metropolitan Planning Organization (MPO), and since 2006 has provided regional energy efficiency programs throughout the AMBAG region and climate planning support to the 21 AMBAG jurisdictions.
- e) AMBAG has been the leader in the Monterey, San Benito and Santa Cruz counties for the preparation of Community-wide GHG Inventories. It has prepared 84 Community-wide GHG Inventories for the 21 AMBAG jurisdictions covering the time period from the 2005 baseline inventories through the 2015 inventories.
- f) The Parties desire to work together to facilitate the development of 2018 Community-wide GHG Inventories for SLO County Jurisdictions with the intent of

using AMBAG's significant experience in preparing the Community-wide Inventories.

NOW THEREFORE, the Parties agree and acknowledge as follows:

1. Objectives and Process

- a) Under this MOU, AMBAG will complete 2018 Community-wide GHG Inventories for the cities of Paso Robles, Atascadero, Pismo Beach, Grover Beach, and Arroyo Grande as well as for the unincorporated portions of San Luis Obispo County, as more particularly described below in Section 2 (a) ("Project"). In April and May 2020, these jurisdictions reported to SLO County APCD and co-funding partner SLOCOG, their commitment to assist AMBAG gather data and information needed for AMBAG to complete the 2018 GHG inventories.
- b) SLO County APCD and SLOCOG will evenly pay up to the quoted amounts shown in the Project budget (Attachment 1) ("Project Budget") for any 2018 Community-wide GHG Inventory work that AMBAG completes as part of this Project. On the schedule described in Section 2, AMBAG will individually invoice SLO County APCD and SLOCOG for completed work. Each invoice amount will be for half of the total cost of the completed work being invoiced.

2. Project Management Plan

- a) AMBAG will complete the 2018 Community-wide GHG Inventories for the cities of Paso Robles, Atascadero, Pismo Beach, Grover Beach, and Arroyo Grande as well as for the unincorporated portions of San Luis Obispo County. The work can be broken out into eight main tasks. These include: Coordinate data access with jurisdictions, Obtain PG&E and SoCal Gas usage data and emissions factors, Obtain Transportation data (EMFAC and HPMS), Obtain solid waste, WWTP, and Industrial GHG data, Create data sheets, complete data entry in Clear Path, Create graphics and Conduct QA/QC.
- b) SLO County APCD and SLOCOG agree to provide funding for the costs incurred by AMBAG to complete the 2018 Community-wide GHG Inventories in an amount not to exceed the Project Budget.
- c) SLO County APCD and SLOCOG each agree to fund the Project Budget of up to \$10,626 based on achieved and specific milestones of the project.
- d) AMBAG will invoice SLO County APCD and SLOCOG monthly using a detailed breakdown of hourly staff time spent on each of the Inventory tasks, as outlined in the Monthly Invoice Template (Attachment 4). SLO County APCD and SLOCOG will also have access to ClearPath, as way to track progress and retain access the GHG inventory work product.

3. General Provisions

- a) All obligations of the Parties hereto under this Agreement are subject to the appropriation of resources by their respective governing bodies.
- b) Nothing in this Agreement shall be construed as empowering any Party hereto to exercise any function properly residing with any other party hereto.
- c) To the extent allowed by law, each Party shall indemnify, defend, and hold harmless the other Parties and their officers, officials, governing board members, employees, and agents from and against any and all liability, loss, damage, expense, cost, including without limitation, cost and fees of litigation (including reasonable attorneys' fees), of every nature to the extent such liability, loss, damage, expense, or costs arise out of, or are in any way connected to, any actions of indemnifying Party's officers, agents, contractors, and employees related to this Agreement, except for the sole negligence or willful misconduct of the Party seeking indemnification. This indemnity shall survive the completion or termination of this Agreement.
- d) All notices or other communications to the Parties shall be deemed given when made in writing and delivered, mailed, emailed, or faxed to such party at their respective addresses as follows:

To SLO County APCD:

Attention: Gary Willey, Air Pollution Control Officer
San Luis Obispo County APCD
3433 Roberto Court
San Luis Obispo, CA 93401
Email: gwilley@co.slo.ca.us
Phone: (805) 781-5912

To SLOCOG:

Attention: Pete Rodgers, Executive Director
San Luis Obispo Council of Governments
1114 Marsh Street
San Luis Obispo, CA 93401
Email: PRodgers@slocog.org
Phone: (805) 781-4219

To AMBAG:

Attention: Maura Twomey, Executive Director
Association of Monterey Bay Area Governments
24580 Silver Cloud Court
Monterey, CA 93940
Email: mtwomey@ambag.org
Phone: (831) 883-3750

4. Term

- a) This Agreement shall become effective when fully executed by all Parties and shall continue in full force and effect for two years after the July 1, 2020 or later start date, until the completion of the Project.
- b) Any Party to this Agreement may terminate its participation by providing thirty (30) days written notice to the other Parties hereto.

5. Independent Advice

Each Party represents and warrants that in executing this Agreement it does so with full knowledge of the rights and duties it may have with respect to each other. Each Party also represents and warrants that it has received independent legal advice from its attorney with respect to the matters set forth in this Agreement, and the rights and duties arising out of this Agreement.

6. Dispute Resolution

If any dispute arises between the Parties as to the proper interpretation or application of this Agreement the Parties shall first meet and confer in a good faith attempt to resolve the matter between themselves. If the dispute is not resolved by meeting and conferring the matter shall be submitted to formal mediation to a mediator mutually selected by the Parties. The expenses of such mediation shall be shared equally between the Parties.

7. Venue

Should either Party to this Agreement bring legal action against the other, (formal judicial proceeding, mediation or arbitration), the case shall be handled in Monterey County, California.

IN WITNESS THEREOF, the Parties have caused this MOU to be executed by their duly authorized representatives on the first date written above.

San Luis Obispo County Air Pollution Control District

By: _____
Gary Willey, Air Pollution Control Officer

San Luis Obispo Council of Governments

By: _____
Pete Rodgers, Executive Director

Association of Monterey Bay Area Governments

By: _____
Maura Twomey, Executive Director

ATTACHMENT 1

Project Budget



Proposed Budget for the completion the CY2018 Community Wide GHG Inventories		FY 2020/2021
Jurisdiction - Year		
Arroyo Grande (MBCP enrollement in 2021)		\$ 2,452.33
Atascadero		\$ 2,452.33
Grover Beach (MBCP enrollement in 2021)		\$ 2,452.33
Paso Robles (MBCP enrollement in 2021)		\$ 2,452.33
Pismo Beach (MBCP enrollement in 2021)		\$ 2,452.33
San Luis Obispo County		\$ 3,086.33
Total		\$ 15,348.00

Proposed Budget for Writing the CY2018 Community Wide GHG Inventory Reports		FY 2020/2021
Jurisdiction - Year		
Arroyo Grande (MBCP enrollement in 2021)		\$ 984.00
Atascadero		\$ 984.00
Grover Beach (MBCP enrollement in 2021)		\$ 984.00
Paso Robles (MBCP enrollement in 2021)		\$ 984.00
Pismo Beach (MBCP enrollement in 2021)		\$ 984.00
San Luis Obispo County		\$ 984.00
Total		\$ 5,904.00

Total Proposed Budget		FY 2020/2021
Jurisdiction - Year		
Arroyo Grande		\$ 3,436.33
Atascadero		\$ 3,436.33
Grover Beach		\$ 3,436.33
Paso Robles		\$ 3,436.33
Pismo Beach		\$ 3,436.33
San Luis Obispo County		\$ 4,070.33
Total Proposed Budget		\$ 21,252.00

ATTACHMENT 3

Project Schedule

Calendar Year 2020 (2018 GHG Inventories)							
Task Timelines by Month	May	June	July	August	September	October	November
Coordinate data access with Jurisdictions			X				
Obtain PG&E and SoCal Gas usage data and emission factors				X			
Obtain transportation data (EMFAC and HPMS)			X				
Obtain solid waste, WWTP and industrial GHG data			X				
Create data sheets				X			
Data entry in Clearpath				X			
Create graphics and conduct quality review							X



ATTACHMENT 4

Monthly Invoice Template



Month:			
Tasks	Special Projects Manager Hours	Graduate Student Intern Hours	Invoice Amount:
Coordinate data access with Jurisdictions			
Gather PG&E Data			
Gather SoCal Gas Data			
Obtain Emissions Factors			
Gather EMFAC and HPMS Data			
Gather calrecycle data			
Gather landfill data			
Gather industrial GHG data			
Gather data from WWTP's			
Create data sheets			
Enter emissions factors in Clearpath			
Enter electricity and NG data in Clearpath			
Enter transportation data in Clearpath			
Enter solid waste data in Clearpath			
Enter industrial emissions in Clearpath			
Enter wastewater data in Clearpath			
Create graphics			
Conduct quality review			
Write GHG Inventory reports			
Total			



MEMORANDUM

TO: AMBAG Board of Directors

FROM: Maura F. Twomey, Executive Director

RECOMMENDED BY: Bhupendra Patel, Ph.D., Director of Modeling

SUBJECT: Draft Amendment No. 4 to the FY 2019-20 Monterey Bay Region Overall Work Program (OWP) and Budget

MEETING DATE: June 10, 2020

RECOMMENDATION:

Approve Draft Amendment No. 4 to the FY 2019-20 OWP and Budget.

BACKGROUND/ DISCUSSION:

The Fixing America's Surface Transportation (FAST) Act calls for the development of the Overall Work Program (OWP) and Budget by the federally designated Metropolitan Planning Organization (MPO). The Association of Monterey Bay Area Governments (AMBAG), as the federally designated MPO for the tri-county (Monterey, San Benito and Santa Cruz Counties) Monterey Bay Region, annually develops and maintains the OWP and Budget.

The FY 2019-20 OWP and Budget was developed in consultation and coordination with the region's Regional Transportation Planning Agencies (RTPA), transit operators, Caltrans, Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA). It includes transportation and air quality related planning activities proposed for the Monterey Bay Region for the fiscal year July 1, 2019 to June 30, 2020.

The FY 2019-20 OWP and Budget was approved by the AMBAG Board of Directors at their May 8, 2019 meeting and was jointly approved by FHWA and FTA on June 27, 2019.

The OWP and Budget is subject to periodic adjustments resulting from changes in activities as well as revisions in revenues and expenditures during the fiscal year. The proposed Draft Amendment No. 4 to the FY 2019-20 OWP and Budget updates revenue and expenditure line items in the work element 622 Metropolitan Transportation Planning to fully program

Planning Excellence!

the FY 2019-20 final allocation for FTA 5303 and FHWA PL funds as provided by Caltrans. Draft Amendment No. 4 to FY 2019-20 OWP and Budget is attached with the agenda (Attachment 1).

ALTERNATIVES: None.

FINANCIAL IMPACT:

Staff time to carry out OWP and Budget activities is funded through FHWA PL, FTA 5303, other State and local funds as programmed in the approved FY 2019-20 OWP and Budget.

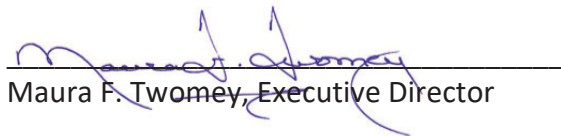
COORDINATION:

Preparation of Draft Amendment No. 4 to the FY 2019-20 OWP and Budget has been coordinated with transit operators, San Benito Council of Governments, Transportation Agency for Monterey County, Santa Cruz Regional Transportation Commission, California Department of Transportation (Caltrans), Federal Highway Administration (FHWA) and Federal Transit Administration (FTA).

ATTACHMENT:

1. Draft Amendment No. 4 to the FY 2019-20 AMBAG OWP and Budget.

APPROVED BY:


Maura F. Twomey, Executive Director



**DRAFT Monterey Bay Region Overall Work Program (OWP) and Budget
FY 2019-2020**

Amendment No. 4

Prepared by: Association of Monterey Bay Area Governments (AMBAG) in collaboration with

Santa Cruz County Regional Transportation Commission
Transportation Agency for Monterey County
Council of San Benito County Governments
 Monterey-Salinas Transit
Santa Cruz Metropolitan Transit District
California Department of Transportation
 Monterey Bay Air Resources District

Adoption Date: June 10, 2020

Preparation of this report was financed in part by the U.S. Department of Transportation and Federal Transit and Highway Administrations, under the Fixing America's Surface Transportation Act (FAST Act).

WORK ELEMENT NUMBER 622

Metropolitan Transportation Planning

Amendment No. 4

Project Manager: Heather Adamson

Total Budget: \$ 336,817

ESTIMATED EXPENDITURE AND ANTICIPATED REVENUE: FY 2019-2020

EXPENDITURES	REVENUE	
	Amount (\$)	Change
Salaries	110,372	7,740
Fringe Benefits	51,875	3,638
Indirect	143,070	10,034
Professional Services*	17,500	-
Supplies	5,000	-
Printing	1,000	-
Travel**	8,000	-
Toll Credits	34,723	(594)
In-Kind/Non-Federal Local Match	-	-
TOTAL	336,817	20,818
<i>*Contracts are as follows:</i>		
(1) Sohagi Law Group	7,500	Legal professional services consultants \$75,000.00 (\$7,500 for FY20, \$25,000 for FY21 & \$42,500 for FY22)
(2) Rincon Consultants	10,000	EIR Consultant, \$225,000.00 (\$10K for FY20, \$70K for FY21, \$145K for FY22)
TOTAL	336,817	20,816
% Federal	87,46	

** May include out of state travel.

Project Description

Develop/update and implement the Metropolitan Transportation Plan (MTP) for the Monterey Bay Metropolitan Planning Region, in accordance with MAP-21/FAST Act's regulations. AMBAG, SCCRTC, TAMC, SBTCOG, Caltrans, transit agencies (MST and SC METRO) coordinate and cooperatively develop the region's MTP (also see WE 624.) The MTP consists of a regional vision, policies and goals, transportation improvement projects and a financial forecast. The development and adoption of the MTP is a multi-year project with an expected adoption date of June 2022.

Draft vision, goals, objectives, education materials, revised cost estimates, revenue forecasts, data collection for forecast, charts, graphs, etc.

Federally Eligible Tasks

All tasks listed below and deliverables are federally eligible.

Previous Accomplishments

Past accomplishments include preparation and adoption of the 2040 Metropolitan Transportation Plan in June 2018 as well as a joint Environmental Impact Report for the 2040 MTP/SCS and the RTPAs RTPs with extensive public participation and regional coordination.

Tasks & Deliverables

Task	Description	Deliverables	Budget	Completion Date
1	Administrative		\$ 15,000	
1.1	MTP/SCS Working Group and Executive Steering Committee meetings.	Meeting agendas, presentations, handouts, meeting notes and action items		Monthly
1.2	Development of the Metropolitan Transportation Planning Work Element for FY 2020-21 OWP.	Draft and Final Work Element for FY 2020-21		2/28/2020 Draft 4/17/2020 Final
2	Planning		\$ 169,817	
2.1	Refine/update MTP/SCS vision, goals and policy objectives.	MTP/SCS vision, goals and policy		1/31/2020
2.2	Update transportation project costs and revenue projections.	Project cost estimates and revenue projections		6/30/2020
2.3	Issue Notice of Preparation and begin initial work on the EIR.	Notice of Preparation		3/31/2020
2.4	Develop a framework to update the AMBAG regional ITS plan, including identifying recent innovations, policies and regulations, to improve the efficiency and safety of the transportation system to include in the MTP/SCS.	Draft ITS strategies, policies and regulations		6/30/2020
2.5	Work with local jurisdictions to develop and incorporate new policies in their general/specific plans/ordinances that help achieve the goals of the MTP.	Policies ready for incorporation into general plans and zoning ordinances		6/30/2020

6/30/2020

2.6 Work with local jurisdictions to update the land use patterns within the region and develop land use specific transportation improvements consistent with local city and county general plans. Updated land use and place types, mapping, GIS layers, etc.

3	Data Gathering and Analysis	\$ 96,000	
3.1	Develop maps, graphs and charts in support of the 2045 MTP/SCS, in addition to maps for 2040 MTP/SCS education and outreach.	Maps, graphs and charts	6/30/2020
3.2	Maintain and update the transportation project database.	Telus database	Quarterly review and updates

4	Coordination	\$ 45,000	
4.1	Coordinate with regional and local agencies to develop the 2045 MTP/SCS.	Meeting agendas, presentations, handouts, meeting notes and action items for 12-15 meetings	Monthly
4.2	Conduct Planning Directors Forum meetings.	Meeting agendas, presentations, handouts, meeting notes and action items for 3-6 meetings	Quarterly
4.3	Coordination meetings with partner agencies.	Meeting agendas, presentations, handouts, meeting notes and action items for 9 - 12 meetings	Monthly

5	Public Participation	\$ 11,000	
5.1	Continue to provide updates on the progress of planning projects included the adopted 2040 MTP/SCS and the 2045 MTP/SCS currently under development in public forums.	Meeting agendas, presentations, handouts, meeting notes and action items	6/30/2020

Federal Planning Factors (PF)

Project addresses the following Planning Factors:

PF NAME

- Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity and efficiency.
- Increase the safety of the transportation system for motorized and non-motorized users.
- Increase the security of the transportation system for motorized and non-motorized users.
- Increase the accessibility and mobility of people and for freight. Enhance the integration and connectivity of the transportation system, across and between modes, people and freight.

Overall Work Program

FY 2019-2020

Protect and enhance the environment, promote energy conservation, improve the quality of life and promote consistency between transportation improvements and State and local

Enhance the integration and connectivity of the transportation system, across and between modes, people and freight. (Support the ability for freight shippers and providers of

Promote efficient system management and operation.

Emphasize the preservation of the existing transportation system.

Improve the resiliency and reliability of the transportation system and reduce or mitigate storm water impacts of surface transportation.

Enhance travel and tourism.

Table A: Sources of Funds By Work Element: FY 2019-2020

WE #	Project Title	Local		FHWA PL		FHWA PL Carryover		FTA 5303		FHWA SPR, part I, Strategic Partnerships		SB 1 Sustainable Communities (SC) (FY 2019-20)		SB 1 Sustainable Communities (SC) (FY 2018-19)		SB 1 Adaptation Planning (SP)		SHA Sustainability Community		Other Local, State, In-Kind or Federal	Total (Excluding In-Kind/Non-Federal Local Match and Toll Credits)		
		Federal share	Toll Credits*	Federal share	Toll Credits*	Federal share	Toll Credits*	Federal share	Toll Credits*	Federal share	Local Match	Federal share	Local Match	SB 1 (SC) Share	Local Match	SB 1 (AP) share	Local Match or In-Kind	SHA Share	Local Match				
101	Overall Work Program, Budget and Administration	-	77,000	8,832	-	17,000	1,950	-	-	-	-	-	-	-	-	-	-	-	-	-	10,782	94,000	
112	Transportation Plans Coordination and Interagency Liaison	2,000	180,000	20,646	-	42,000	4,817	-	-	-	-	-	-	-	-	-	-	-	-	-	25,463	224,000	
113	Public Participation Plan	-	26,000	2,982	-	5,000	574	-	-	-	-	-	-	-	-	-	-	-	-	-	3,556	31,000	
122	Water-Related Plans Coordination and Interagency Liaison	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,000	
231	GIS Analysis, Data Collection, Uniformity, Coordination and Regional Travel Demand Model (RTDM)	2,000	155,000	17,779	-	59,000	6,767	75,000	8,603	-	-	-	-	-	-	-	-	-	-	-	33,149	291,000	
251	Central Coast Super-Regional Activity-Based Model Framework	-	190,000	21,793	-	61,000	6,997	-	-	407,793	150,000	-	-	-	-	-	-	-	-	-	40,260	351,000	
257	Central Coast Super-Regional Activity-Based Model Framework	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	557,793	
320	AMBAG PG&E Local Governments Partnership Program (Energy Watch)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	584,198	-	584,198	
331	AMBAG Community-wide Greenhouse Gas Inventory for Local Jurisdictions Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MBCP /SLOA /PCD/S	65,000	65,000	
343	Local Government Planning Support Grants Program - Housing	-	10,000	1,147	-	2,000	229	-	-	-	-	-	-	-	-	-	-	-	-	7,931,311 REAP	7,931,311		
411	Clearinghouse	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,376	12,000	
502	Regional Analysis & Planning Services, Inc. Administration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,000	-	2,000	
511	Regional Analysis & Planning Services, Inc. Technical Assistance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50,000	-	50,000	
530	Pajaro River Watershed Flood Prevention Authority Administration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40,000	-	40,000	
604	Sustainable Communities Planning (FY 2018-2019)	-	23,569,774	-	-	-	-	-	-	-	-	-	-	181,921	23,570	FHWA	-	-	-	-	-	205,490	
605	Sustainable Communities Planning (FY 2019-2020)	-	42,092	-	-	-	-	-	-	-	-	324,884	42,092	FHWA	-	-	-	-	-	-	-	366,976	
610	Transportation Performance Management (TPM)	-	73,000	8,373	-	17,000	1,950	-	-	-	-	-	-	-	-	-	-	-	-	-	10,323	90,000	
621	Elderly & Disabled & Americans with Disabilities Act	-	25,000	2,868	-	8,000	918	-	-	-	-	-	-	-	-	-	-	-	-	-	3,786	33,000	
622	Metropolitan Transportation Planning	7,500	177,722	20,385	100,000	11,470	51,595	2,868	-	-	-	-	-	-	-	-	-	-	-	-	34,773	336,817	
624	San Benito County Regional Transportation Planning	-	27,650	3,171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,171	27,650	
641	Metropolitan Transportation Improvement Program (MTIP)	-	153,000	17,549	-	36,000	4,129	-	-	-	-	-	-	-	-	-	-	-	-	-	21,678	189,000	
642	San Benito Transportation Improvement Program	-	13,500	1,548	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,548	13,500	
680	Rail Planning/Corridor Studies	-	30,000	3,441	-	8,000	918	-	-	-	-	-	-	-	-	-	-	-	-	-	4,359	38,000	
684	Central Coast Highway 1 Climate Resiliency Study	-	18,998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18,998	
	Total	21,500	1,222,532	130,514	200,000	22,940	306,595	31,117	75,000	8,603	407,793	150,000	324,884	42,092	181,921	23,570	231,929	9,281	75,000	75,000	20,768	194,174	11,869,663

*Toll credits provided by the State of California are being utilized as a match for federal FHWA PL and FTA 5303 funds. The FHWA PL and FTA 5303 amounts shown in the Budget Revenue Summary Sheet represent 100% of the total federal participation cost, therefore toll credits are not included in the total revenue amount.

Table B: Estimated Expenditures by Work Element: FY 2019-2020

WE #	AMBAG	Contractor	Local Match*	Total (Excluding Local Match)
101	94,000	-	10,782	94,000
112	224,000	-	25,463	224,000
113	31,000	-	3,556	31,000
122	10,000	-	-	10,000
231	291,000	-	33,149	291,000
251	351,000	-	40,260	351,000
257	167,793	390,000	-	557,793
320	584,198	-	-	584,198
331	65,000	-	-	65,000
343	587,919	7,343,392	-	7,931,311
411	12,000	-	1,376	12,000
502	2,000	-	-	2,000
511	50,000	-	-	50,000
530	40,000	-	-	40,000
604	205,490	-	-	205,490
605	318,904	48,072	-	366,976
610	90,000	-	10,323	90,000
621	33,000	-	3,786	33,000
622	319,317	17,500	34,723	336,817
624	27,650	-	3,171	27,650
641	189,000	-	21,678	189,000
642	13,500	-	1,548	13,500
680	38,000	-	4,359	38,000
684	86,827	239,100	20,768	325,927
Total	3,831,598	8,038,064	214,942	11,869,662

*Includes in-kind/toll credits. Toll credits provided by the State of California are being utilized as a match for federal FHWA PL and FTA 5303 funds. The FHWA PL and FTA 5303 amounts shown in the Budget Revenue Summary Sheet represent 100% of the total federal participation cost, therefore toll credits are not included in the total revenue amount.

Table E: Federal Sources of Funds By Work Element: FY 2019-2020

WE #	FHWA SPR PP Funds	FHWA PL	FHWA PL Carryover	FTA 5303	FTA 5303 Carryover	Total
101		77,000	-	17,000	-	94,000
112	-	180,000	-	42,000	-	222,000
113	-	26,000	-	5,000	-	31,000
231	-	155,000	-	59,000	75,000	289,000
251	-	190,000	100,000	61,000	-	351,000
257	407,793	-	-	-	-	407,793
411	-	10,000	-	2,000	-	12,000
604	-	23,570	-	-	-	23,570
605	-	42,092	-	-	-	42,092
610	-	73,000	-	17,000	-	90,000
621	-	25,000	-	8,000	-	33,000
622	-	177,722	100,000	51,595	-	329,317
624	-	27,650	-	-	-	27,650
641	-	153,000	-	36,000	-	189,000
642	-	13,500	-	-	-	13,500
680	-	30,000	-	8,000	-	38,000
684	-	18,998	-	-	-	18,998
Total	407,793	1,222,532	200,000	306,595	75,000	2,211,920

Table F: State and Local Sources of Funds By Work Element: FY 2019-2020

WE #	Local or Local Cash Match	SBI Formula & Competitive Grants FY 2018-2019	SBI Formula & Competitive Grants FY 2019-2020	SBI Adaption Funds FY 2018-2019	SHA Sustainable Communities	RAPS Inc.	PG&E LGP 2019	AB 101 REAP	In-Kind/Non-Federal Local Match*	Total (Excluding In-Kind/Non-Federal Local Match)
101	-	-	-	-	-	-	-	-	-	-
112	2,000	-	-	-	-	-	-	-	-	2,000
122	10,000	-	-	-	-	-	-	-	-	10,000
231	2,000	-	-	-	-	-	-	-	-	2,000
257	150,000	-	-	-	-	-	-	-	-	150,000
320	-	-	-	-	-	-	584,198	-	-	584,198
331	65,000	-	-	-	-	-	-	7,931,311	-	65,000
343	-	-	-	-	-	2,000	-	-	-	2,000
502	-	-	-	-	-	50,000	-	-	-	50,000
511	-	-	-	-	-	40,000	-	-	-	40,000
530	-	-	-	-	-	-	-	-	-	-
604	-	181,921	-	-	-	-	-	-	-	181,921
605	7,500	-	324,884	-	-	-	-	-	-	324,884
622	-	-	-	231,929	-	-	-	-	-	231,929
684	-	-	-	-	75,000	-	-	-	20,768	306,929
Total	236,500	181,921	324,884	231,929	75,000	92,000	584,198	7,931,311	20,768	9,657,743

*In-kind/non-federal local match is not included in total revenue.

AMBAG Budget Amendment No. 4
Fiscal Year 2019 - 2020

	FY 2019-2020 Amendment No. 3 3/11/2020	FY 2019-2020 Amendment No. 4 6/10/2020	Change
Revenue			
Federal	\$ 2,190,510	\$ 2,211,920	\$ 21,410
State	\$ 9,329,243	\$ 9,329,243	\$ -
Local	\$ 424,430	\$ 424,430	\$ -
Total Revenue	\$ 3,947,872	\$ 11,965,593	\$ 21,410
Expenditures			
Salaries (Direct and Indirect) and Fringe Benefits	\$ 3,330,419	\$ 3,351,829	\$ 21,410
Professional Services	\$ 8,158,664	\$ 8,158,664	\$ -
Lease/Rentals	\$ 91,000	\$ 91,000	\$ -
Communications	\$ 24,800	\$ 24,800	\$ -
Supplies	\$ 108,900	\$ 108,900	\$ -
Printing	\$ 9,050	\$ 9,050	\$ -
Travel (**)	\$ 91,750	\$ 91,750	\$ -
Other Charges	\$ 94,020	\$ 94,020	\$ -
Total AMBAG Expenditures	\$ 3,912,292	\$ 11,930,013	\$ 21,410
Total Subrecipient Agency Expenditures	\$ -	\$ -	\$ -
Grand Total Expenditures	\$ 11,908,603	\$ 11,930,013	\$ 21,410
Total AMBAG Revenue	\$ 11,944,183	\$ 11,965,593	\$ 21,410
Transfer to Reserves	\$ 35,580	\$ 35,580	\$ -
Total Revenue to Expenditures	\$ -	\$ -	\$ -

** : Includes potential out-of-state travel for WEs 101, 112, 231, 251, 257, 603, 610, 621, 622, and 641.
 Note: Toll Credits of 194,911 and In-Kind Match of \$20,768 constitute federal and state requirements and are provided for in services, therefore they are excluded from total revenue and expenses .



MEMORANDUM

TO: AMBAG Board of Directors

FROM: Maura F. Twomey, Executive Director

RECOMMENDED BY: Errol Osteraa, Director of Finance and Administration

SUBJECT: Financial Update Report

MEETING DATE: June 10, 2020

RECOMMENDATION:

Staff recommends that the Board of Directors receive the Financial Update Report.

BACKGROUND/ DISCUSSION:

The enclosed financial reports are for the 2019-2020 Fiscal Year (FY) and are presented as a consent item. The attached reports contain the cumulative effect of operations through April 30, 2020 as well as a budget-to-actual comparison. Amounts in the Financial Update Report are unaudited.

FINANCIAL IMPACT:

The Balance Sheet for April 30, 2020 reflects a cash balance of \$716,696.75. The accounts and contractors receivable balance is \$639,298.37, while the current liabilities balance is \$303,800.37. AMBAG has sufficient current assets on hand to pay all known current obligations.

Due to the implementation of Governmental Accounting Standards Board (GASB) Statement No. 68 in FY 2014-2015 and a restatement to Net Position for GASB Statement No. 82, AMBAG has a deficit Net Position in the amount of \$183,145.10. Although AMBAG's Balance Sheet as of April 30, 2020 reflects a deficit Net Position, AMBAG's Profit and Loss Statement reflects an excess of revenue over expense of \$20,779.99. As we make efforts to pay the outstanding pension liability, AMBAG's Net Position will continue to improve.

Planning Excellence!

The following table highlights key Budget to Actual financial data:

Budget to Actual Financial Highlights
For Period July 1, 2019 through April 30, 2020

Expenditures	Budget Through April 2020	Actual Through April 2020	Difference
Salaries & Fringe Benefits	\$ 2,775,349.00	\$ 1,864,254.86	\$ 911,094.14
Professional Services	\$ 6,798,887.00	\$ 740,048.33	\$ 6,058,838.67
Lease/Rentals	\$ 75,833.00	\$ 67,757.10	\$ 8,075.90
Communications	\$ 20,667.00	\$ 14,804.07	\$ 5,862.93
Supplies	\$ 90,750.00	\$ 20,937.35	\$ 69,812.65
Printing	\$ 7,542.00	\$ 3,228.84	\$ 4,313.16
Travel	\$ 76,458.00	\$ 25,223.99	\$ 51,234.01
Other Charges	\$ 257,963.00	\$ 261,459.55	\$ (3,496.55)
Total	\$ 10,103,449.00	\$ 2,997,714.14	\$ 7,105,734.91
Revenue			
Federal/State/Local Revenue	\$ 10,133,099.00	\$ 3,018,494.13	\$ 7,114,604.87

Note: AMBAG is projecting a surplus, therefore budgeted revenues do not equal expenses.

Revenues/Expenses (Budget to Actual Comparison):

The budget reflects a linear programming of funds while actual work is contingent on various factors. Therefore, during the fiscal year there will be fluctuations from budget-to-actual.

Salaries and fringe benefits are under budget primarily due to positions that were vacant for portions of the fiscal year. In addition the Regional Early Action Planning Housing Program (REAP) providing \$7,931,311 in funding has been encumbered but has not been used.

Professional Services are under budget primarily due to the timing of work on projects performed by contractors. These projects include the Central Coast Highway 1 Climate Resiliency Study and the development of an Activity-Based Model (ABM) Framework for the Central Coast Supra-Region (AMBAG, SLOCOG and SBCAG). In addition, work has begun on the 2045 Metropolitan Transportation Plan/Sustainable Communities Strategy (MTP/SCS). These projects are in various phases of completion. In addition the Regional Early Action Planning Housing Program (REAP) providing \$7,931,311 in funding of which a large portion will pass through to partner agencies, has not started this process.

Since AMBAG funding is primarily on a reimbursement basis, any deviation in expenditure also results in a corresponding deviation in revenue. Budget-to-actual revenue and expenditures are monitored regularly to analyze fiscal operations and propose amendments to the budget if needed.

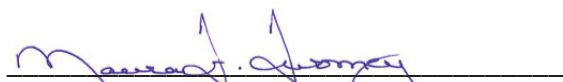
COORDINATION:

N/A

ATTACHMENTS:

1. Balance Sheet as of April 30, 2020
2. Profit and Loss: July 1, 2019 – April 30, 2020
3. Cash Activity for May, 2020

APPROVED BY:



Maura F. Twomey, Executive Director

AMBAG

Balance Sheet - Attachment 1

As of April 30, 2020

	April 30, 2020	April 30, 2020
Assets		
Current Assets		
Cash and Cash Equivalents		
Mechanics Bank - Special Reserve	300,347.49	85,684.66
Mechanics Bank - Checking	412,200.44	129,686.90
Petty Cash	500.00	88,428.81
LAIF Account	3,648.82	0.00
Total Cash and Cash Equivalents	716,696.75	303,800.37
Accounts Receivable		
Accounts Receivable	509,611.47	
Contractors Receivable	129,686.90	
Total Accounts and Contractors Receivable	639,298.37	
Other Current Assets		
Due from PRWFPA/RAPS	611.11	258,986.95
Prepaid Items	7,713.97	1,888,153.69
Total Other Current Assets	8,325.08	(6,689.06)
Total Current Assets	1,364,320.20	82,730.00
Long-Term Assets		
Net OPEB Asset	96,473.00	2,548,614.01
FY 2002-2003 Housing Mandate Receivable	82,186.00	
Allowance for Doubtful Accounts	(16,437.20)	
Deferred Outflows - Actuarial	533,833.49	
Deferred Outflows - PERS Contribution	272,963.59	
Total Long-Term Assets	969,018.88	
Capital Assets		
Capital Assets	188,031.36	(203,925.09)
Accumulated Depreciation	(155,901.53)	20,779.99
Total Capital Assets	32,129.83	(183,145.10)
Total Assets	2,365,468.91	2,365,468.91
Liabilities & Net Position		
Liabilities		
Current Liabilities		
Accounts Payable		85,684.66
Contractors Payable		129,686.90
Employee Benefits		88,428.81
Mechanics Bank - Line of Credit		0.00
Total Current Liabilities		303,800.37
Long-Term Liabilities		
Deferred Inflows - Actuarial		258,986.95
Net Pension Liability (GASB 68)		1,888,153.69
OPEB Liability		(6,689.06)
Retainage Payable		21,632.06
Deferred Revenue		82,730.00
Total Long-Term Liabilities		2,244,813.64
Total Liabilities		2,548,614.01
Net Position		
Beginning Net Position		(203,925.09)
Net Income/(Loss)		20,779.99
Total Ending Net Position		(183,145.10)
Total Liabilities & Net Position		2,365,468.91

Profit & Loss - Attachment 2

July 2019 - April 2020

	<u>July 2019 - April 2020</u>
Income	
AMBAG Revenue	175,652.09
Cash Contributions	43,435.54
Grant Revenue	2,646,828.13
Non-Federal Local Match	152,578.37
Total Income	<u>3,018,494.13</u>
Expense	
Salaries	1,211,927.79
Fringe Benefits	652,327.07
Professional Services	740,048.33
Lease/Rentals	67,757.10
Communications	14,804.07
Supplies	20,937.35
Printing	3,228.84
Travel	25,223.99
Other Charges:	
BOD Allowances	5,600.00
BOD Refreshments/Travel/Nameplates/Dinner/Other	2,316.77
Workshops/Training	6,822.41
GIS Licensing/CCJDC Support	9,555.91
Energy Watch Travel/Classes/Events/Recruitment	1,608.57
SB1/MTIP/MTP/SCS/OWP/Public Participation Expenses	17,959.74
Recruiting	774.79
Climate Resiliency Study	615.39
Dues & Subscriptions	20,688.57
Depreciation Expense	13,899.83
Maintenance/Utilities	640.90
Insurance	28,128.30
Interest/Fees/Tax Expense	270.00
Total Other Charges	<u>108,881.18</u>
Non-Federal Local Match	<u>152,578.37</u>
Total Expense	<u>2,997,714.14</u>
Net Income/(Loss)	<u><u>20,779.99</u></u>

AMBAG
Cash Activity - Attachment 3
For May 2020

Monthly Cash Activity
AMBAG

	July-19	August-19	September-19	October-19	November-19	December-19	January-20	February-20	March-20	April-20	May-20	June-20	TOTAL
1. CASH ON HAND													
[Beginning of month]	750,647.47	814,801.68	879,766.34	647,829.65	671,561.67	792,515.31	782,788.58	745,828.24	714,657.12	739,544.26	716,696.75	-	-
2. CASH RECEIPTS													
(a) AMBAG Revenue	174,298.77	10,033.84	11,434.86	1,699.19	1,624.86	27.83	7,997.94	14,756.46	30.88	44.99	7,698.47	-	229,648.09
(b) Grant Revenue	212,552.01	286,567.88	-	294,532.12	370,064.55	269,229.07	245,870.68	223,120.63	318,886.30	258,305.97	306,927.55	-	2,786,056.76
(c) Non-Federal Local Matc	-	-	-	-	-	-	-	-	-	-	-	-	-
(d) Borrowing	-	-	-	-	-	-	-	-	-	-	-	-	-
3. TOTAL CASH RECEIPTS	386,850.78	296,601.72	11,434.86	296,231.31	371,689.41	269,256.90	253,868.62	237,877.09	318,917.18	258,350.96	314,626.02	-	3,015,704.85
4. TOTAL CASH AVAILABLE	1,137,498.25	1,111,403.40	891,201.20	944,060.96	1,043,251.08	1,061,772.21	1,036,657.20	983,705.33	1,033,574.30	997,895.22	1,031,322.77	-	-
5. CASH PAID OUT													
(a) Payroll & Related *	253,898.83	176,987.84	178,879.35	200,519.92	180,487.53	184,368.61	225,372.71	175,224.34	189,437.54	196,511.69	169,180.79	-	2,130,869.15
(b) Professional Services	51,087.32	32,343.11	48,648.66	53,610.90	53,519.78	77,722.21	41,087.46	76,554.75	89,428.51	63,226.46	93,489.34	-	680,718.50
(c) Capital Outlay	-	-	-	-	-	-	-	-	-	-	-	-	-
(d) Lease/Rentals	7,046.80	6,313.23	6,513.39	6,768.61	6,745.74	7,090.90	6,700.82	6,688.26	7,390.19	6,468.69	6,343.70	-	74,070.33
(e) Communications	2,267.51	1,813.13	1,075.58	1,839.15	649.27	1,898.67	2,242.83	1,101.41	1,200.00	1,814.30	996.69	-	16,898.54
(f) Supplies	2,366.56	1,212.45	915.14	3,555.06	560.92	1,203.91	1,093.87	558.74	1,819.37	7,342.32	1,122.26	-	21,750.60
(g) Printing	5.38	-	40.91	-	500.00	2,183.19	104.74	-	-	400.00	-	-	3,234.22
(h) Travel	2,275.72	2,854.74	2,121.67	1,731.51	4,958.08	3,083.90	1,969.10	3,003.86	2,046.54	2,612.95	7,403.43	-	34,061.50
(i) Other Charges	3,748.45	10,112.56	5,176.85	4,474.14	3,314.45	1,432.24	12,257.43	5,916.85	2,707.89	2,822.06	-	-	51,962.92
(j) Non-Federal Local Matc	-	-	-	-	-	-	-	-	-	-	-	-	-
(k) Loan Repayment	-	-	-	-	-	-	-	-	-	-	-	-	-
6. TOTAL CASH PAID OUT	322,696.57	231,637.06	243,371.55	272,499.29	250,735.77	278,983.63	290,828.96	269,048.21	294,030.04	281,198.47	278,536.21	-	3,013,565.76
7. CASH POSITION	814,801.68	879,766.34	647,829.65	671,561.67	792,515.31	782,788.58	745,828.24	714,657.12	739,544.26	716,696.75	752,786.56	-	-

Payroll & Related *



MEMORANDUM

TO: AMBAG Board of Directors

FROM: Maura F. Twomey, Executive Director

RECOMMENDED BY: Heather Adamson, Director of Planning

SUBJECT: Draft Approach for the Allocation of Regional Early Action Planning Funding

MEETING DATE: June 10, 2020

RECOMMENDATION:

It is recommended that the Board of Directors approve the allocation approach for the AMBAG Regional Early Action Housing Planning (REAP) Funding.

BACKGROUND

The adopted FY 2019-20 California Budget (AB 74) and associated housing trailer bill (AB 101) established the Local Government Planning Support Grants Program and made approximately \$8,000,000 available to the California Central Coast region to fund housing planning activities to enable jurisdictions to meet the 6th Cycle of the Regional Housing Needs Assessment (RHNA). The REAP program requires that funds be used for specific uses, including being suballocated directly and equitably to jurisdictions or other subregional entities for housing related planning, to improve the methodology used by Councils of Governments (COGs) for the distribution of the Sixth Cycle of the Regional Housing Needs Allocation (RHNA) and for administering the grant program.

In conformance with grant program requirements, the Association of Monterey Bay Area Governments has prepared a draft approach for allocating this regional housing planning funding to the Central Coast region. This approach was prepared with feedback from the Council of San Benito County Governments (SBtCOG), San Luis Obispo Council of Governments (SLOCOG) and the Santa Barbara County Association of Governments (SBCAG) and reflects the individual needs and challenges of each council of governments. This approach was also discussed and approved by the Central Coast Housing Working Group (CCHWG) at its April 24, 2020 meeting.

DISCUSSION:

The CCHWG approved approach allocates the REAP funding to each of the four COGs by population to ensure geographic equity. Each COG must then approve its own suballocation approach within their subregion. COGs may use a portion of the funds to develop an improved methodology for the distribution of the 6th Cycle of RHNA. COGs shall determine how to best allocate the remaining funding to jurisdictions or other subregional entities within their jurisdiction for planning that will accommodate the development of housing and infrastructure to accelerate housing production in a way that aligns with state planning priorities, housing, transportation, equity, and climate goals. COGs may choose to disburse funds through a process that focuses on geographic equity or other discretionary processes to meet program goals. Funds shall only be used for housing-related planning activities and grant administration, including, but not limited to, the following:

- Performing infrastructure planning, including for sewers, water systems, transit, roads, or other public facilities necessary to support new housing and new residents.
- Technical assistance in improving housing permitting processes, tracking systems, and planning tools.
- Performing feasibility studies to determine the most efficient locations to site housing.
- Establishing regional or countywide housing trust funds for affordable housing.
- Covering the costs of temporary staffing or consultant needs associated with the activities described above.
- Providing jurisdictions and other local agencies with technical assistance, planning, temporary staffing or consultant needs associated with updating local planning and zoning documents, expediting application processing, and other actions to accelerate additional housing production

All fund recipients shall completely expend all funds towards approved purposes no later than December 31, 2023 per program requirements.

Draft Approach for the Allocation of Regional Early Action Planning Funding

AMBAG's total REAP allocation is \$3,651,516. AMBAG proposes to allocate \$3,300,000 million of its total \$3,651,516 to the local jurisdictions within Monterey and Santa Cruz

Counties. Each jurisdiction would be eligible to receive REAP funding according to population thresholds used in the statewide Local Early Action Planning (LEAP) grant program.

Local jurisdictions are encouraged to align REAP funding with previous SB 2 planning and LEAP planning efforts. AMBAG staff proposes that maximum grant amounts shall be set as follows, according to 2019 population estimates:

Jurisdiction Size*	Max Award Amount
Less than 20,000 =	\$65,000
20,000 - 59,999 =	\$165,000
60,000 - 99,999 =	\$300,000
100,000 - 199,999 =	\$530,000

**Same population thresholds as the HCD LEAP program.*

The remaining funds (\$351,516) will be used by AMBAG to prepare the 6th Cycle RHNA Methodology and Allocation and other regional housing planning activities.

AMBAG staff reached out to the Planning Directors from the local jurisdictions within Monterey and Santa Cruz Counties and there is support for this allocation approach. The AMBAG Board of Directors is asked to discuss this proposed approach and will be asked to approve a suballocation approach later this spring. AMBAG expects to suballocate the REAP funding to local jurisdictions later this summer. Local jurisdictions in Santa Cruz and Monterey Counties will be asked to submit an application to AMBAG outlining proposed scope, schedule, budget and deliverables for the REAP funding. Additionally, the draft REAP allocation approach was presented for discussion at the May 13, 2020 AMBAG Board meeting.

Due to the legislation which established the REAP program, the approach for REAP funding distribution in the San Benito County area will be implemented by the Council of San Benito County Governments (SBtCOG).

Next Steps

Each of the four COGs is expected to finalize their funding approach in June 2020. AMBAG is working to execute the standard agreement with the California Department of Housing & Community Development to secure the REAP funding. REAP funding is expected to be available for request by local jurisdictions later this summer.

ALTERNATIVES:

N/A

FINANCIAL IMPACT:

Funding is included in the approved FY 2020-21 Overall Work Program and Budget.

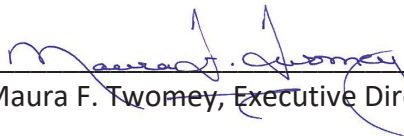
COORDINATION:

AMBAG coordinated with the planning directors from cities and counties in the Santa Cruz County and Monterey County area to identify a feasible approach for the allocation of regional housing funds.

ATTACHMENT:

None.

APPROVED BY:



Maura F. Twomey, Executive Director



MEMORANDUM

TO: AMBAG Board of Directors

FROM: Maura F. Twomey, Executive Director

RECOMMENDED BY: Heather Adamson, Director of Planning

SUBJECT: Central Coast Highway 1 Climate Resiliency Study

MEETING DATE: June 10, 2020

RECOMMENDATION:

Receive a presentation on the draft report for the Central Coast Highway 1 Climate Resiliency Study.

BACKGROUND/DISCUSSION:

The Association of Monterey Bay Area Governments (AMBAG), in conjunction with the Nature Conservancy (TNC) and the Center for the Blue Economy of the Middlebury Institute of International Studies at Monterey (CBE), is developing a climate resiliency study for the Central Coast Highway 1 corridor from State Route 183 to Salinas Road including the rail line in this corridor. This effort will identify transportation improvements and sea level rise adaptation strategies that can improve transportation mobility, safety and efficiency, promote healthy habitats and provide economic security and benefits to the local community.

Similar to Highway 1, railways stretch along much of California's coast. This transportation infrastructure is critical to California's population and economy. There is also critical coastal habitat immediately adjacent to these highways and rails, which without concerted adaptation may be impacted or lost with sea level rise. Projects like this provide important insight into how to simultaneously enhance the resilience of transportation infrastructure and coastal habitats.

This study evaluated and identify the transportation needs, including the ultimate corridor concept in the Central Coast Highway 1 and rail corridor near the Elkhorn Slough area while protecting and integrating the environmental needs of this unique corridor. There is a deficiency in this critical corridor where existing demand greatly

exceeds the limited capacity, causing long delays. Highway and railroad infrastructure are prone to flooding and vulnerable to sea level rise, and are adjacent to valuable wetland habitats of an estuary of noted regional and national significance. Many of these valued habitats are also vulnerable to sea level rise. This study has an opportunity to increase the resilience of transportation infrastructure and habitat to sea level rise and climate change.

A Project Team and Steering Committee guide the development of the study. The Project Team and Steering Committee has held many meetings over the last few months to discuss various transportation and habitat adaptation strategies for both Highway 1 and the railway. A public workshop was held in February 2020 to receive input on the various adaptation strategies. A draft report was released on May 12, 2020 for a 30-day public review period. The close of the public comment period is June 11, 2020. Written comments should be sent to hadamson@ambag.org. The Board of Directors will be asked to accept the final study report and direct staff to close out the grant at the August 2020 meeting.

Attachment 1 includes the Executive Summary from the draft report. The full draft report including appendices can be downloaded from: <https://ambag.org/programs-services/planning/central-coast-highway-1-climate-resiliency-study#>.

ALTERNATIVES:

N/A

FINANCIAL IMPACT:

Planning activities for the Central Coast Highway 1 Resiliency Study are funded with SB 1 planning funds, FHWA planning funds and non-federal local match. All funding is programmed in the FY 2019-20 Overall Work Program and Budget.

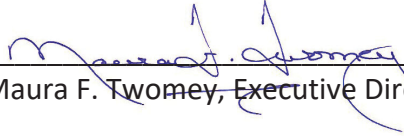
COORDINATION:

All planning activities are coordinated through the Project Team and Steering Committee.

ATTACHMENT:

1. Executive Summary – Draft Central Coast Highway 1 Climate Resiliency Study Report

APPROVED BY:


Maura F. Twomey, Executive Director

DRAFT

1. EXECUTIVE SUMMARY - Attachment 1

Elkhorn Slough is a major estuary located in Monterey Bay, California that provides valuable habitat area for hundreds of aquatic bird, fish, marine mammal and invertebrate species. With nearly 2,700 acres of a suite of intact habitat types, the Slough is critical to regional biodiversity. Estuarine habitats within the Slough and the ecosystem services they provide are at risk to substantial losses with sea-level rise. With Central California already having lost over 90% of its historical estuarine marsh habitat area (Brophy et al. 2019), every effort is needed to maintain what remains in the face of sea-level rise. Presently, Elkhorn Slough holds the third largest extent of estuarine marsh in California, however, approximately 85% of this area may be lost with sea-level rise.

Transportation assets in this region are also vulnerable to sea-level rise impacts. The eight-mile stretch of Highway One through Elkhorn Slough is a critical transportation asset for the region and beyond, providing local access to Moss Landing, essential to freight movement and the economy, and a major commuting route. With 2 feet (ft) sea-level rise, major disruptions to its transportation function are anticipated. The railway, which traverse the Slough for five miles, is also critical to freight movement and envisioned to serve expanded passenger service to meet the needs of a growing population. Extreme tides, known as “King Tides” already cause periodic flooding and disruptions to the railway, which will increase in frequency and severity as sea levels rise.

Maintaining or enhancing both transportation function and the extent of estuarine marsh in Elkhorn Slough are important priorities for the Central Coast and beyond. The Central Coast Highway One Climate Resiliency Study (Study) is a unique partnership between the Association of Monterey Bay Area Governments (AMBAG), California Department of Transportation (Caltrans), The Nature Conservancy (TNC), the Center for the Blue Economy (CBE) at the Middlebury Institute of International Studies (CBE), and Environmental Science Associates (ESA) to develop and evaluate adaptation strategies for Highway One, the railway and surrounding ecology through Elkhorn Slough. Integrating regional development and adoption of natural infrastructure and transportation planning can provide better outcomes for both sectors (Marcucci & Jordan, 2013) and Federal Highway Administration guidance and California policy are encouraging this integrated approach (Safeguarding California Plan: 2018 Update, 2018). The project was funded by the Caltrans via an SB-1 adaptation planning grant, with additional funding provided by AMBAG, TNC and the CBE.

The Project Team coordinated with a wide range of local and regional stakeholders to gather existing conditions, develop transportation and ecological adaptation concepts,

develop adaptation scenarios, and refine and modify the concepts and scenarios with Steering Committee and community input. Throughout the study, an adaptation pathways approach was used in order to explore a variety of strategies that could cultivate transportation and ecological resilience over a range of time horizons (Hasnoot, 2013). A suite of near-term actions (e.g. next ten years) are identified to mitigate flooding impacts to transportation and ecology, in addition to developing long-range adaptation scenarios to be implemented later in the century. The adaptation pathways approach yields deeper insight into what additional steps (e.g. planning, timing, funding) may be necessary to bridge near-term actions to a long-term vision. After assessing a preliminary suite of adaptation scenarios, three revised roadway and railway adaptation scenarios, which were compared against a no action scenario, were evaluated and are described below:

- **Scenario C0 (No-Action):** No Action
- **Scenario C1 (2-Lane Elevated Highway):** Two Lane Highway One Elevated, Single Track Railway on Trestle adjacent to existing alignment and Marsh Restoration East of Railway
 - **Scenario C1A:** Reaches 1-4 elevated on piles with levee ecotone
 - **Scenario C1B:** Reaches 1, 3 and 4 elevated on piles, Reach 2 by Moss Landing Wildlife Area elevated on fill with levee ecotone
- **Scenario C2 (Managed Retreat/Widening G-12 4 Lanes):** Managed Retreat to relocate Highway One traffic capacity inland to existing G-12 roadway, G-12 Widening to 4 Lanes, Single Track Railway on Trestle adjacent to existing alignment and Marsh Restoration East of Railway
- **Scenario C3 (4-Lane Elevated Highway):** Four Lane Highway One Elevated along existing alignment, Single Track Railway on Trestle adjacent to existing alignment and Marsh Restoration East of Railway
 - **Scenario C3A:** Reaches 1-4 elevated on piles with levee ecotone
 - **Scenario C3B:** Reaches 1, 3 and 4 elevated on piles, Reach 2 by Moss Landing Wildlife Area elevated on fill with levee ecotone

The roadway and railway adaptation scenarios were evaluated using best available modeling tools to investigate systemic changes to transportation, hydrology and ecology triggered by certain adaptation actions. Building upon the results of the hydrodynamic, transportation and habitat modeling, a probabilistic benefit-cost analysis was applied to the scenarios to account for the valuation of ecosystem services and transportation function and provide perspective on which adaptation scenario provides more in gains than is given up in costs. The major takeaways from each portion of the evaluation are briefly described here.

Transportation Modeling

AMBAG utilized the Regional Transportation Demand Model (RTDM) to evaluate the proposed transportation improvements in the adaptation scenarios in order to identify the most viable and effective solution for the study area. The results of the modeling for each scenario were compared against one other and to a no action scenario to analyze the impacts of each under a variety of performance metrics. These performance metrics are indicators of how the adaptation scenarios would perform and how effectively they would serve the needs of this critical transportation corridor with future growth and demand.

The results of the transportation modeling indicate that Scenario C3 (4-Lane Elevated Highway) would best suit the needs of the corridor, allowing for increased capacity on a road that is already overburdened by demand. Widening Highway One to four lanes would provide the greatest relief to congestion and delay, leading to less time spent on the roadway and greater ease of travel. Allowing the roadway to flood (No Action Scenario) would not only increase congestion and delay in the study area, it would limit access to transit for disadvantaged communities within the Moss Landing and Elkhorn Slough area. Scenario C2 (Managed Retreat/Widening G-12 4 Lanes) presents the same problems as a no action scenario, and does not outperform Scenario C3 (4-Lane Elevated Highway) under any transportation metric. An elevated two-lane Highway One (Scenario C1) does not provide relief to the demand on Highway One that already exists in the study area, but does present viable operational improvements that can be implemented to benefit travel time and safety through the corridor.

Flood Hazards Modeling

ESA applied the Coastal Resilience Monterey Bay (CRMB) hazard mapping resource to assess the extents of Highway One at risk to flooding, resulting in identification of four sections of Highway One, called Reaches 1, 2, 3 and 4 (Figure 3). Reach 1 is between Struve Pond and Bennett Slough; Reach 2 is between the North Harbor and Bennett Slough; Reach 3 crosses Moro Cojo Slough, and Reach 4 crosses an historical slough, now a swale / drainage through agricultural lands. ESA then updated the CRMB maps to better account for micro-topography, overland flow and existing hydraulic control structures, resulting in revised flood water-surface elevations for each Reach for monthly and 100-year recurrence floods from coastal and river sources under existing and future climate-affected sea-levels and runoff from the Reclamation Ditch - Gabilan Creek drainage. The refined flood hazard mapping indicates Highway One will be impacted by a 100-year flood by 2030 (less than one foot of sea-level rise), and by monthly high water by 2050 (about 2 ft of sea-level rise).

The high CRMB sea-level rise scenarios were used, amounting to 2.4 ft by 2060 and 5.2 ft by 2100, and rounded to 2 ft by 2050 and 5 ft by 2100 in subsequent hydrodynamic and habitat modeling. This sea-level rise scenario is similar to but lower than the most recent (2018) California guidance for a medium-high risk aversion scenario.

Hydrodynamic Modeling

ESA utilized the Delft3D hydrodynamic model to evaluate impacts to overall Slough hydrodynamics as a consequence of sea-level rise for the proposed roadway and railway adaptation scenarios. Flood extents, water depths and velocities were analyzed at locations within the study domain to assess changes in local hydrologic conditions.

Hydrodynamic modeling results indicate that a new flood pathway east of the managed ponds in Moss Landing Wildlife Area will develop under 2 to 3 ft of sea-level rise (time horizon of 2050 to 2070), with or without roadway modifications. Consequently, Struve Pond and Upper Bennett Slough will be tidally connected to the main channel of Elkhorn Slough. This indicates that improvements made to the roadway (e.g. elevating a segment on piles or fill) will have decreasing control over flooding in this part of the Slough, as sea-level rises. Additionally, the model shows overtopping of Potrero Road and Moss Landing Road, resulting in bypassing of tide gates and overland flooding of the low-lying agricultural parcels by Highway One and Moro Cojo Slough, assuming 3 ft of sea-level rise. Likely, around mid-century, maintaining farming operations in the low-lying agricultural lands near Reaches 3 and 4 will be untenable. These results support ongoing integrated, collaborative efforts around Moro Cojo Slough to plan for future land use under SLR.

The hydrodynamic modeling also shows that tidal velocities in the main Slough channel will increase under future sea-level rise in all scenarios, which will exacerbate net sediment export and marsh loss within the system. Under proposed marsh restoration of the complexes east of the railway (about 700 acres of intertidal areas), the overall increase in tidal prism associated with sea-level rise is reduced.

Habitat Modeling

ESA utilized the Sea Level Affecting Marshes Model (SLAMM) to predict wetland habitat evolution within the Slough for the roadway and railway adaptation scenarios and to assess how much additional wetland habitat could be provided from proposed marsh restoration east of the railway, compared to a no action scenario.

The habitat modeling results strongly support action to create and sustain estuarine marsh habitat acreages within the Slough. Raising the marsh plain grade to future MHHW at mid-century for Parsons Slough, North/Estrada Marsh and Azevedo Ponds is predicted to have longevity over several decades. This action would enhance 700 acres at 2050. Around 290 acres of additional restored estuarine habitat remain at year 2100 (5 ft of sea-level rise) as a consequence of proposed marsh restoration. As estuarine habitats throughout the Slough are drowned under sea-level rise, the importance of these complexes and the ecosystem services they provide to the Slough will grow. The cost and difficulty of restoring marshes to higher tidal elevations after mid-century will increase substantively, given that many habitat acres may have already converted to estuarine open water.

Additionally, proposed grading by Reach 2 for levee ecotone creation for Scenarios C1A (2-Lane Elevated Highway with Reach 2 on Piles), C1B (2-Lane Elevated Highway with Reach 2 on Fill), C3A (4-Lane Elevated Highway with Reach 2 on Piles) and C3B (4-Lane Elevated Highway with Reach 2 on Fill) will produce between 72 to 83 acres of estuarine marsh habitat, assuming construction by mid-century. Since this study is planning-level, if there is interest in pursuing this adaptation measure, the total number of estuarine marsh habitat acreages will likely be refined and could potentially be greater. Scenarios C1B (2-Lane Elevated Highway with Reach 2 on Fill) and C3B (4-Lane Elevated Highway with Reach 2 on Fill) result in the greatest number of estuarine marsh habitat from the associated restoration adaptation actions across the different scenarios (607 acres remaining at 2100, compared to 260 acres from the no action scenario).

The model results also confirm that in addition to restoration of existing wetland habitat, present and future land use planning for low-lying agricultural lands by Reaches 3 and 4 will have a significant impact on how much wetland habitat will exist in the future. The parcels south and southwest of Moro Cojo Slough, if allowed to convert, represent a strong opportunity to mitigate wetland habitat loss (up to 50%) experienced by Elkhorn Slough under future sea-level rise.

Benefit-Cost Analysis

Data from the analysis of changes in the transportation system and in Elkhorn Slough brought about by sea-level rise and the choices made about adaptation responses were used to conduct a benefit-cost analysis of the options under consideration. The benefit-cost analysis allows comparison of different consequences on a common monetary basis and permits identification of those scenarios that most likely to return more in gains than is given up in costs.

The results of the analysis show that the costs of doing nothing about sea-level rise's possible effects on Highway One are likely to far exceed the benefits of saving money by taking no action. Of the three response scenarios, only the combined elevation and widening to four lanes of Highway One return more in benefits than their costs. This includes the costs of both the highway and the wetlands enhancements/restoration. Scenario C1 (2-Lane Elevated Highway) returns less than its costs because traffic delays and safety costs remain high with a continued two-lane configuration. Scenario C2 (Managed Retreat/Widening G-12 4 Lanes) also costs more than its benefits because of high delay and safety costs.

The benefit-cost analysis also considered how to address the uncertainties about the pace and extent of sea-level rise. Following guidance from the California Ocean Protection Council, the assumptions of sea-level rise are conservative (that is high sea-level rise but with low probability). Using these probabilities, the analysis examines the point at which sea-level rise hazards are great enough to initiate planning for a major project on Highway One. The result indicates that a point in the early 2040s when sea-level rise-enhanced storm flooding on Highway One indicates a high probability that

future damages from sea-level rise will be sufficient to economically justify some adaptation.

Major Takeaways

The results of the evaluation emphasize the importance of planning for Highway One and railway adaptation in the early to mid-2030s and implementing a course of action well before sea levels are predicted to follow the exponential part of the curve in mid- to late- 21st century. Following Scenario C0 (No Action) inadvertently, by delaying action on climate change adaptation, will result in widespread loss of habitat and biodiversity through the Slough (up to 85% of estuarine marsh habitat) and worsen an existing transportation function problem, to the detriment of the community, region, and the many visitors to Monterey Bay. A no action pathway is not a viable option for Moss Landing and Elkhorn Slough. The benefits of implementing adaptation actions, such as large-scale marsh restoration, are greater the earlier they happen in the century (2030s).

Based off of the analysis in this study, Scenario C3 (4-Lane Elevated Highway) would be economically justified, since the value of reduction in traffic delays would be greater than the costs associated with transportation and ecological improvements. However, the analysis also indicates that if it were possible to significantly reduce delays for Scenario C1 (2-Lane Elevated Highway), potentially through shifts in alternate modes of travel or technological changes in motor vehicle transportation, Scenario C1 (2-Lane Elevated Highway) would also be viable. Construction of a new highway facility would have numerous adverse impacts on adjacent wetland habitat. Further study and analysis in the next decade will be necessary in order to investigate the impacts of both scenarios at a more detailed level. Pathways to partnerships and processes supporting integrated approaches around climate change adaptation, including triggers for collective action, must be in place now in order for communities and ecosystems to successfully adapt to future sea levels. The process and findings presented in this study will hopefully serve as a critical link to the future of the transportation and ecology by Moss Landing and Elkhorn Slough.

**THIS PAGE
IS INTENTIONALLY
BLANK**



The 2020 AMBAG Board of Director meeting locations are subject to change in light of Governor Newsom’s State of Emergency declaration regarding the COVID-19 outbreak and in accordance with Executive Order N-29-20 and the shelter in place directive.

2020 AMBAG Calendar of Meetings

July 2020	No Meeting Scheduled
August 12, 2020	Marina Library Community Room 190 Seaside Circle, Marina, 93933 Meeting Time: 6 pm
September 9, 2020	Corralitos Community Center 35 Brown’s Valley Road, Corralitos, 95076 Dinner will be served at 5 pm Board of Directors Meeting: 6 pm
October 14, 2020	Marina Library Community Room 190 Seaside Circle, Marina, 93933 Meeting Time: 6 pm
November 18, 2020	Seaside Community Room 220 Coe Avenue, Seaside, 93955 Dinner will be served at 5 pm Board of Directors Meeting: 6 pm *Delayed one week due to Veteran’s Day Holiday
December 2020	No Meeting Scheduled

**THIS PAGE
IS INTENTIONALLY
BLANK**



AMBAG Acronym Guide	
ABM	Activity Based Model
ADA	Americans Disabilities Act
ALUC	Airport Land Use Commission
AMBAG	Association of Monterey Bay Area Governments
ARRA	American Reinvestment and Recovery Act
CAAA	Clean Air Act Amendments of 1990 (Federal Legislation)
Caltrans	California Department of Transportation
CAFR	Comprehensive Annual Financial Report
CalVans	California Vanpool Authority
CARB	California Air Resources Board
CCJDC	Central Coast Joint Data Committee
CEQA	California Environmental Quality Act
CHTS	California Households Travel Survey
CMAQ	Congestion Mitigation and Air Quality Improvement
CPUC	California Public Utilities Commission
CTC	California Transportation Commission
DEIR	Draft Environmental Impact Report
DEM	Digital Elevation Model
DOF	Department of Finance (State of California)
EAC	Energy Advisory Committee
EIR	Environmental Impact Report
FAST Act	Fixing America's Surface Transportation Act
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FTIP	Federal Transportation Improvement Program
GHG	Greenhouse Gas Emissions
GIS	Geographic Information System
ICAP	Indirect Cost Allocation Plan
ITS	Intelligent Transportation Systems
JPA	Joint Powers Agreement
LTA	San Benito County Local Transportation Authority

LTC	Local Transportation Commission
MAP-21	Moving Ahead for Progress in the 21 st Century Act
MBARD	Monterey Bay Air Resources District
MBCP	Monterey Bay Community Power
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MPAD	Monterey Peninsula Airport District
MPO	Metropolitan Planning Organization
MST	Monterey-Salinas Transit
MTP	Metropolitan Transportation Plan
MTIP	Metropolitan Transportation Improvement Program
OWP	Overall Work Program
PG&E	Pacific Gas & Electric Company
PPP	Public Participation Plan
RAPS, Inc.	Regional Analysis & Planning Services, Inc.
RFP	Request for Proposal
RHNA	Regional Housing Needs Allocation
RTDM	Regional Travel Demand Model
RTP	Regional Transportation Plan
RTPA	Regional Transportation Planning Agency
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SB 375	Senate Bill 375
SBtCOG	Council of San Benito County Governments
SCCRTC	Santa Cruz County Regional Transportation Commission
SCMTD	Santa Cruz Metropolitan Transit District
SCS	Sustainable Communities Strategy
S RTP	Short-Range Transit Plan
STIP	State Transportation Improvement Program
TAMC	Transportation Agency for Monterey County
TAZ	Traffic Analysis Zone
USGS	United States Geological Survey
VMT	Vehicle Miles Traveled
VT	Vehicle Trips