

CITY OF STOCKTON
STANDARD AGREEMENT

Agreement Number:

1. This Agreement is entered into between the City of Stockton ("City") and AECOM Technical Services, Inc. ("Contractor") to provide services as set forth in Exhibit A to this Agreement.

2. The term of this Agreement is as follows, unless amended as described in Exhibit A and Exhibit C section 8:

Commences on: Upon Execution

Terminates on: 10/30/27

3. The maximum not to exceed amount to be paid to Contractor for the term of this Agreement, including if authorized, reimbursement of expenses, is: \$ 1,000,000.00

4. The complete Agreement consists of all the following Agreement documents which by reference are incorporated and made a part of this Agreement. The parties agree to comply with the terms and conditions of this Agreement.

- (a) Exhibit A – Statement of Work
- (b) Exhibit B – Insurance
- (c) Exhibit C – General Terms and Conditions
- (d) Exhibit D – Professional Services Special Terms & Conditions
- (e) Exhibit E – Compensation Schedule
- (f) Exhibit F – Timeline

IN WITNESS WHEREOF, the authorized parties have executed this Agreement.

CONTRACTOR

AECOM Technical Services, Inc.

Contractor's Name (if other than an individual, state whether a corporation, partnership, etc.):

Garrett Harper

Authorized Signature

07/02/2024

Date

Garrett Harper, Vice President, Managing Principal

Printed Name and Title of Person Signing

2020 L Street, Suite 300, Sacramento, CA 95811

Address

CITY OF STOCKTON

Harry Black, City Manager

Date

ATTEST:

Katherine Roland, Interim City Clerk

APPROVED AS TO FORM:

Lori Asuncion, City Attorney

BY:

**EXHIBIT A
STATEMENT OF WORK**

1. Project Objectives

- 1.1. The objective of the City of Stockton's Comprehensive Climate Action & Adaptation Plan is to provide a strategic framework for the City to pursue meaningful projects & policies to advance the environment of Stockton.

2. Project Scope

See Attachment A – AECOM Project Approach/ Scope of Work

3. Major Deliverables

- 3.1 Meeting agendas and facilitation notes.
- 3.2 On-site and/or virtual facilitation of staff, stakeholders, and public meetings
- 3.3 Weekly or bi-weekly progress updates meetings with relevant City staff.
- 3.4 Project timeline (updated as needed).
- 3.5 Organizational chart showing staff assignments and roles.
- 3.6 Draft goals and objectives (within one (1) month of contract award)
- 3.7 Public Engagement Plan
- 3.8 Climate Vulnerability Assessment
- 3.9 Graphics and info graphics for use on web and social media.
- 3.10 Community Communication materials
- 3.11 Community Workshop Summaries
- 3.12 Implementation Plan
- 3.13 Priority Climate Action Plan (within nine (9) months of contract award) with separately identified adaptation and mitigation measures.
- 3.14 Final Comprehensive Climate Action Plan (CCAP), including an Executive Summary that is user-friendly, graphically pleasing, and well organized in PDF and preferably in an editable format (i.e. Word or PowerPoint). (within two (2) years of contract award).
- 3.15 PowerPoint presentation summarizing the plan with graphics, statistics, etc. that match the final CCAAP.

3.16 Other administrative, research, analysis and communication tasks determined in the project kick-off.

3.17 Two (2) Status Reports

4. Criteria of Acceptance for Deliverables

4.1. Consultant must achieve all deliverables consistent with the requirements of the EPA's Climate Pollution Reduction Grant Planning and the State's Office of Planning and Research, Adaptation Planning Grant Program.

4.2. Consultant must meet all requirements listed in Exhibit A, Exhibit C – City of Stockton General Terms and Conditions and, Exhibit C, Part 2 - EPA Federal Requirements of the CPRGP Grant Agreement.

5. Notices

Pursuant to Exhibit C – General Terms and Conditions, Paragraph 15 – Notices, the mailing address for all required notices is as follows:

Consultant: AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

City: City of Stockton
Attn: City Manager
425 N. El Dorado Street
Stockton, CA 95202

EXHIBIT B INSURANCE

Exhibit B: Insurance Requirements for Consultant Services

Consultant shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Consultant, its agents, representatives, or employees.

SCOPE AND LIMIT OF INSURANCE

Coverage shall be:

1. **Commercial General Liability (CGL):** Insurance Services Office Form CG 00 01 covering CGL on an "occurrence" basis, including products and completed operations, property damage, bodily injury and personal & advertising injury with limits of **\$2,000,000** per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location (ISO CG 25 03 or 25 04) or the general aggregate limit shall be twice the required occurrence limit.

2. **Automobile Liability:** Insurance Services Office Form Number CA 0001 covering, Code 1 (any auto), or if Consultant has no owned autos, Code 8 (hired) and 9 (non-owned), with limit of **\$1,000,000** per accident for bodily injury and property damage.

3. **Workers' Compensation** insurance as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than **\$1,000,000** per accident for bodily injury or disease.

(Not required if consultant provides written verification it has no employees)

4. **Professional Liability/Errors and Omissions** Insurance appropriate to the Consultant's profession, with limit of **\$1,000,000** per occurrence or claim, **\$1,000,000** aggregate.

If the Consultant maintains broader coverage and/or higher limits than the minimums shown above, the City of Stockton requires and shall be entitled to the broader coverage and/or the higher limits maintained by the contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the City of Stockton.

Other Insurance Provisions

The insurance policies are to contain, or be endorsed to contain, the following provisions:

Additional Insured Status

The City of Stockton, its officers, officials, employees, and designated volunteers are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the Contractor including materials, parts, or equipment furnished in connection with such work or operations. General liability

coverage can be provided in the form of an endorsement to the Contractor's insurance (at least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of **both** CG 20 10, CG 20 26, CG 20 33, or CG 20 38; **and** CG 20 37 if a later edition is used). Additional insured Name of Organization shall read "City of Stockton, its officers, officials, employees, and designated volunteers." Policy shall cover City of Stockton, its officers, officials, employees, and designated volunteers for all locations work is done under this contract.

Primary Coverage

For any claims related to this contract, the **Contractor's insurance coverage that allows for additional insured status shall be primary and non-contributory** and at least as broad as ISO CG 20 01 04 13 as respects the City of Stockton, its officers, officials, and employees, and designated volunteers. Any insurance or self-insurance maintained by the City of Stockton, its officers, officials, employees, or designated volunteers shall be excess of the Contractor's insurance and shall not contribute with it. This requirement shall also apply to any Excess or Umbrella liability policies. The City of Stockton does not accept endorsements limiting the Contractor's insurance coverage to the sole negligence of the Named Insured.

Umbrella or Excess Policy

The Contractor may use Umbrella or Excess Policies to provide the liability limits as required in this agreement. This form of insurance will be acceptable provided that all of the Primary and Umbrella or Excess Policies shall provide all of the insurance coverages herein required, including, but not limited to, primary and non-contributory, additional insured, Self-Insured Retentions (SIRs), indemnity, and defense requirements. The Umbrella or Excess policies shall be provided on a true "following form" or broader coverage basis, with coverage at least as broad as provided on the underlying Commercial General Liability insurance. No insurance policies maintained by the Additional Insureds, whether primary or excess, and which also apply to a loss covered hereunder, shall be called upon to contribute to a loss until the Contractor's primary and excess liability policies are exhausted.

Notice of Cancellation

Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the City of Stockton.

Waiver of Subrogation

Except for Professional Liability, Contractor hereby grants to City of Stockton a waiver of any right to subrogation which any insurer of said Contractor may acquire against the City of Stockton by virtue of the payment of any loss under such insurance. Contractor agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this

provision applies regardless of whether or not the City of Stockton has received a waiver of subrogation endorsement from the insurer.

Self-Insured Retentions

The policy language shall provide, or be endorsed to provide, that the self-insured retention may be satisfied by either the named insured or City of Stockton. Any and all deductibles and SIRs shall be the sole responsibility of Contractor or subcontractor who procured such insurance and shall not apply to the Indemnified Additional Insured Parties. City of Stockton may deduct from any amounts otherwise due Contractor to fund the SIR/deductible. Policies shall NOT contain any self-insured retention (SIR) provision that limits the satisfaction of the SIR to the Named.

Acceptability of Insurers

Insurance is to be placed with insurers authorized to conduct business in the state with a current A.M. Best's rating of no less than A:VII, unless otherwise acceptable to the City of Stockton.

Claims Made Policies

If any of the required policies provide claims-made coverage:

1. The Retroactive Date must be shown, and must be before the date of the contract or the beginning of contract work.
2. Insurance must be maintained, and evidence of insurance must be provided ***for at least five (5) years after completion of the contract of work.***
3. If coverage is canceled or non-renewed, and not replaced ***with another claims-made policy form with a Retroactive Date prior to*** the contract effective date, the Contractor must purchase "extended reporting" coverage for a minimum of ***five (5)*** years after completion of work.

Verification of Coverage

Contractor shall furnish the City of Stockton with certificates and amendatory endorsements or copies of the applicable policy language effecting coverage required by this clause **and a copy of the Declarations and Endorsements Pages of the CGL and any Excess policies listing all policy endorsements**. All certificates and endorsements and copies of the Declarations & Endorsements pages are to be received and approved by the City of Stockton before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the Contractor's obligation to provide them. The City of Stockton reserves the right to inspect redacted copies of all required insurance policies, including endorsements required by these specifications, in the event of a claim.

Subcontractors

Consultant shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and Contractor shall ensure that City of Stockton is an additional insured on insurance required from subcontractors.

Duration of Coverage

CGL & Excess liability policies **for any construction related work, including, but not limited to, maintenance, service, or repair work**, shall continue coverage for a minimum of 5 years for Completed Operations liability coverage. Such Insurance must be maintained and evidence of insurance must be provided ***for at least five (5) years after completion of the contract of work.***

Certificate Holder Address

The address for mailing certificates, endorsements and notices shall be:

City of Stockton
Its Officers, Officials, Employees, and Designated Volunteers
400 E Main Street, 3rd Floor – HR
Stockton, CA 95202

EXHIBIT C GENERAL TERMS AND CONDITIONS

Where there is a conflict between these General Terms and Conditions and the PARTNER AGREEMENT, the PARTNER AGREEMENT controls.

1. **Goods, Equipment and Services.** Subject to the terms and conditions set forth in this Agreement, Consultant shall provide to City the services described in Exhibit A of the Agreement. Consultant shall provide said services at the time, place and in the manner specified in Exhibit A of the Agreement.

2. **City Assistance, Facilities, Equipment and Clerical Support.** Except as set forth in Exhibit A, Consultant shall, at its sole cost and expense, furnish and maintain all facilities and equipment that may be required for furnishing services pursuant to this Agreement. If applicable, City shall furnish to Consultant only the facilities and equipment listed in Exhibit A to the Agreement.

3. **Compensation.** City shall pay Consultant for services rendered pursuant to this Agreement as described more particularly in Exhibit A and Exhibit E to the Agreement.

3.1 Invoices submitted by Consultant to City must contain a brief description of work performed, time spent and City reference number. Within thirty (30) days of receipt of Consultant's invoice, City will review invoice, and if acceptable make payment on approved invoice.

3.2 Upon completion of work and acceptance by City, Consultant shall have sixty (60) days in which to submit final invoicing for payment. An extension may be granted by City upon receiving a written request thirty (30) days in advance of said time limitation. The City shall have no obligation or liability to pay any invoice for work performed which the Consultant fails or neglects to submit within sixty (60) days, or any extension thereof granted by the City, after the work is accepted by the City.

4. **Sufficiency of Consultant's Work.** All Consultant services, work, and deliverables shall be performed in a good and workmanlike manner with due diligence in accordance with the degree of skill normally exercised by similar Consultants supplying services and work of a similar nature, and in conformance with applicable laws, codes and professional standards..

5. **Ownership of Work.** All reports, work product, all other documents completed or partially completed by Consultant or its approved subConsultants, in performance of this Agreement, and if applicable, drawings, designs, and plan review comments shall become the property of the City upon proper payment for services. Any and all

copyrightable subject matter in all materials is hereby assigned to the City and the Consultant and its approved subConsultants agree to execute any additional documents that may be necessary to evidence such assignment. All materials shall be delivered to the City upon completion or termination of the work under this Agreement. If any materials are lost, damaged or destroyed before final delivery to the City, the Consultant shall replace them at its own expense. Consultant and its approved subConsultants shall keep materials confidential. Materials shall not be used for purposes other than performance of services under this Agreement and shall not be disclosed to anyone not connected with these services, unless the City provides prior written consent.

6. **Timeliness.** Time is of importance in this Agreement.

7. **Changes.** Both parties to this Agreement understand that it may become desirable or necessary during the term of this Agreement for City to modify the scope of services provided for under this Agreement. Any material extension or change in the scope of work shall be discussed with City and the change and cost shall be memorialized in a written amendment to the original contract prior to the performance of the additional work. Until the amendment is so executed, City will not be responsible to pay any charges Consultant may incur in performing such additional services, and Consultant shall not be required to perform any such additional services.

8. **Amendment.** No variation of the terms of this Agreement shall be valid unless an amendment is made in writing and signed by both parties.

9. **Consultant's Status.**

9.1 In performing the obligations set forth in this Agreement, Consultant shall have the status of an independent Consultant and Consultant shall not be considered to be an employee of the City for any purpose. All persons working for or under the direction of Consultant are its agents and employees and are not agents or employees of City. Consultant by virtue of this Agreement, has no authority to bind or incur any obligation on behalf of City. Except as expressly provided in Exhibit A, Consultant has no authority or responsibility to exercise any rights or power vested in the City. No agent, officer or employee of the City is to be considered an employee of the Consultant. It is understood by both Consultant and City that this Agreement shall not be construed or considered under any circumstances to create an employer-employee relationship or a joint venture.

9.2 Consultant shall determine the method, details and means of performing the work and services to be provided by Consultant under this Agreement. Consultant shall be responsible to City only for the requirements and results specified in this Agreement and, except as expressly provided in this Agreement, shall not be subjected to City's control with respect to the physical action or activities of Consultant in fulfillment

of this Agreement. Consultant has control over the manner and means of performing the services under this Agreement. If necessary, Consultant has the responsibility for employing other persons or firms to assist Consultant in fulfilling the terms and obligations under this Agreement.

9.3 If in the performance of this Agreement any third persons are employed by Consultant, such persons shall be entirely and exclusively under the direction, supervision and control of Consultant. All terms of employment including hours, wages, working conditions, discipline, hiring and discharging or any other term of employment or requirements of law shall be determined by the Consultant.

9.4 It is further understood and agreed that Consultant must issue W-2 forms or other forms as required by law for income and employment tax purposes for all of Consultant's assigned personnel under the terms and conditions of this Agreement.

10. SubConsultant.

10.1 SubConsultants shall not be recognized as having any direct or contractual relationship with City. Consultant shall be responsible for the work of subConsultants, which shall be subject to the provisions of this Agreement. SubConsultants will be provided with a copy of the Agreement and be bound by its terms. Consultant is responsible to City for the acts and omissions of its subConsultants and persons directly or indirectly employed by them.

10.2 If in the performance of this Agreement any third persons are employed by Consultant, such persons shall be entirely and exclusively under the direction, supervision and control of Consultant. All terms of employment including hours, wages working conditions, discipline, hiring, and discharging or any other term of employment or requirement of law shall be determined by Consultant.

10.3 It is further understood and agreed that Consultant must issue W-2 forms or other forms as required by law for income and employment tax purposes for all of Consultant's personnel.

11. Termination.

11.1 Termination for Convenience of City. The City may terminate this Agreement at any time by mailing a notice in writing to Consultant. The Agreement shall then be deemed terminated, and no further work shall be performed by Consultant. If the Agreement is so terminated, the Consultant shall be paid for the work actually completed at the time the notice of termination is received.

11.2 Should either party default in the performance of this Agreement or materially breach any of its provisions, the other party, at that party's option, may terminate this Agreement by giving written notification to the other party.

11.3 Funding- Non-Appropriation. It is mutually understood between the Parties that payment to the Consultant for performance shall be dependent upon the availability of appropriations by the City Council for the purposes of this Agreement. No legal liability on the part of the City for any payment may arise under this Agreement until funds are made available and until the Consultant has received funding availability, which will be confirmed in writing. If funding for any fiscal year is reduced or deleted, or if the City loses funding for any reason, the City, in its sole discretion, shall have the option to either (a) cause this Agreement to be canceled or terminated pursuant to applicable provisions of the Agreement; or (b) offer to amend the Agreement to reflect the reduced funding for this Agreement.

12. Non-Assignability. The Consultant shall not assign, sublet, or transfer this Agreement or any interest or obligation in the Agreement without the prior written consent of the City, and then only upon such terms and conditions as City may set forth in writing. Consultant shall be solely responsible for reimbursing subConsultants.

13. Indemnity and Hold Harmless. To the fullest extent permitted by law, Consultant shall hold harmless, defend at its own expense, and indemnify the City of Stockton, its officers, employees agents, and volunteers against any and all liability, claims, losses, damages, or expenses, including reasonable attorney's fees, acts or omissions or contractor or its officers, agents or employees in rendering services under this contract; excluding, however, such liability, claims, losses, damages, or expenses arising from the City of Stockton's negligence or willful acts. The duty to defend and the duty to indemnify are separate and distinct obligations. The indemnification obligations of this section shall survive the termination of this agreement.

14. Insurance. During the term of this Agreement, Consultant shall maintain in full force and effect at its own cost and expense the insurance coverage as set forth in the attached Exhibit B to this Agreement and shall otherwise comply with the other provisions of Exhibit B to this Agreement.

15. Notices. All notices herein required shall be in writing and shall be sent by certified or registered mail, postage prepaid, addressed in Exhibit A to this Agreement.

16. Conformance to Applicable Laws. Consultant shall comply with all applicable Federal, State, and Municipal laws, rules, and ordinances. Consultant shall not discriminate in the employment of persons or in the provision of services under this Agreement on the basis of any legally protected classification, including race, color, national origin, ancestry, sex or religion of such person.

17. Licenses, Certifications and Permits. Prior to the City's execution of this Agreement and prior to the Consultant's engaging in any operation or activity set forth in this Agreement, Consultant shall obtain a City of Stockton business license, which must be kept in effect during the term of this Agreement. Consultant covenants that it has obtained all certificates, licenses, permits and the like required to perform the services under this Agreement. Such licenses, certificates and permits shall be maintained in full force and effect during the term of this Agreement.

18. Records and Audits. Consultant shall maintain all records regarding this Agreement and the services performed for a period of three (3) years from the date that final payment is made. At any time during normal business hours, the records shall be made available to the City to inspect and audit. To the extent Consultant renders services on a time and materials basis, Consultant shall maintain complete and accurate accounting records, in a form prescribed by City or, if not prescribed by City, in accordance with generally accepted accounting principles, such records to include, but not be limited to, payroll records, attendance cards, time sheets, and job summaries.

19. Confidentiality. Consultant shall exercise reasonable precautions to prevent the unauthorized disclosure and use of City reports, information or conclusions.

20. Conflicts of Interest. Consultant covenants that other than this Agreement, Consultant has no financial interest with any official, employee or other representative of the City. Consultant and its principals do not have any financial interest in real property, sources of income or investment that would be affected in any manner of degree by the performance of Consultant's services under this Agreement. If such an interest arises, Consultant shall immediately notify the City.

21. Waiver. In the event either City or Consultant at any time waive any breach of this Agreement by the other, such waiver shall not constitute a waiver of any other or succeeding breach of this Agreement, whether of the same or of any other covenant, condition or obligation. No payment, partial payment, acceptance, or partial acceptance by City shall operate as a waiver on the part of City of any of its rights under this Agreement.

22. Governing Law. California law shall govern any legal action pursuant to this Agreement with venue for all claims in the Superior Court of the County of San Joaquin, Stockton Branch or, where applicable, in the Federal District Court of California, Eastern District, Sacramento Division.

23. No Personal Liability. No official or employee of City shall be personally liable to Consultant in the event of any default or breach by the City or for any amount due Consultant.

24. Severability. If any portion of this Agreement or application thereof to any person or circumstance shall be declared invalid by a court of competent jurisdiction or if it is found in contravention of any federal, state or city statute, ordinance or regulation the remaining provisions of this Agreement or the application thereof shall not be invalidated thereby and shall remain in full force and effect to the extent that the provisions of this Agreement are severable.

25. Non-Discrimination. During the performance of this Agreement, Consultant and its officers, employees, agents, representatives or subConsultants shall not unlawfully discriminate in violation of any federal, state, or local law, rule or regulation against any employee, applicant for employment or person receiving services under this Agreement because of race, religion, color, national origin, ancestry, physical or mental disability, medical condition (including genetic characteristics), marital status, age, political affiliation, sex or sexual orientation, family and medical care leave, pregnancy leave, or disability leave. Consultant and its officers, employees, agents, representative or subConsultants shall comply with all applicable Federal, State and local laws and regulations related to non-discrimination and equal opportunity, including without limitation the City's nondiscrimination policy; the Fair Employment and Housing Act (Government Code sections 12990 (et seq.); California Labor Code sections 1101, 1102 and 1102.1; the Federal Civil Rights Act of 1964 (P.L. 88-352), as amended; and all applicable regulations promulgated in the California Code of Regulation or Code of Federal Regulations. Title VI of the Civil Rights Act of 1964 requires that "no person in the United States shall, on the grounds of race, color, or national origin be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance." (42 USC Section 2000d). <http://www.dol.gov/oasam/regs/statutes/titlevi.htm>. The City requires compliance with the requirements of Title VI in all of its programs and activities regardless of funding source.

26. Force Majeure. Neither party shall be responsible for delays or failures in performance resulting from acts of God, acts of civil or military authority, terrorism, fire, flood, strikes, war, epidemics, pandemics, shortage of power or other acts or causes reasonably beyond the control of that party. The party experiencing the force majeure event agrees to give the other party notice promptly following the occurrence of a force majeure event, and to use diligent efforts to re-commence performance as promptly as commercially practicable.

27. Taxes and Charges. Consultant shall be responsible for payment of all taxes, fees, contributions or charges applicable to the conduct of the Consultant's business.

28. Cumulative Rights. Any specific right or remedy provided in this Agreement will not be exclusive but will be cumulative of all other rights and remedies to which may be legally entitled.

29. Advice of Attorney. Each party warrants and represents that in executing this Agreement, it has received independent legal advice from its attorneys or the opportunity to seek such advice.

30. Heading Not Controlling. Headings used in this Agreement are for reference purposes only and shall not be considered in construing this Agreement.

31. Entire Agreement, Integration, and Modification.

31.1 This Agreement represents the entire integrated agreement between Consultant and the City; supersedes all prior negotiations, representations, or agreements, either written or oral between the parties and may be amended only by a written Amendment signed by the Consultant and City Manager.

31.2 All Exhibits to this Agreement and this Agreement are intended to be construed as a single document.

32. Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original. All counterparts shall be construed together and shall constitute one agreement.

33. Authority. The individual(s) executing this Agreement represent and warrant that they have the legal capacity and authority to do so on behalf of their respective legal entities.

EXHIBIT C – PART 2 EPA FEDERAL REQUIREMENTS

Section II. Federal Requirements.

A. Federal Award Identification.

1. Subrecipient name--which must match registered name in the System for Award Management (SAM). If the subrecipient is not yet registered in SAM, then information about registration procedures may be found at the SAM Internet site (currently at <http://www.sam.gov>).
2. The subrecipient's "unique entity identifier" in SAM. This identifier is required for registering in SAM and by 2 CFR Part 25 and 2 CFR 200.332(a)(1).

Note: Additional information on registering in SAM is available at the SAM Internet site: <https://www.sam.gov/SAM/> and in the "**General Term and Conditions**" (T&Cs), under the "**System for Award Management and Universal Identifier Requirements**" T&C, of the pass-through entity's agreement with EPA.

3. Federal Award Identification Number (FAIN) The FAIN corresponds with the "Assistance ID No." on the EPA Notice of Award.
4. EPA Award Date. This is the date the EPA Award Official signs the assistance agreement with the pass-through entity and may be found on page 1 of the EPA Notice of Award.
5. Subaward Period of Performance Start and End Date;
6. Amount of EPA Funds Obligated under the initial subaward. Subsequent funding actions may be documented by amendments to the subaward.
7. Total or cumulative amount of EPA Funds Obligated to the subrecipient under the initial subaward plus any subsequent funded amendments. These amounts may be documented in sequential amendments to the subaward.
8. Total Amount of the EPA funds committed to the subrecipient by the pass-through entity. This is typically the "ceiling" amount for the subaward that may not be exceeded in funded amendments.
9. Federal award project description, as required to be responsive to the Federal Funding Accountability and Transparency Act (FFATA). This information may be found in the "Project Title and Description" box on page 1 of the EPA Notice of Award.

10. Information identifying EPA as the Federal awarding agency, your organization as the pass-through entity, and contact information for your awarding official for the subaward.
 11. Assistance Listing Number and Name for each EPA award used to support the subaward. Assistance Listing information for the pass-through entities' EPA award may be found on page 2 of EPA's Notice of Award form in the second chart under "EPA Award Information". (Note the Uniform Grant Guidance requires at [2 CFR 200.332\(a\)\(1\)\(xii\)](#) that the Pass-through entities identify the dollar amount under each Federal award and the CFDA number at the time of disbursement of Federal funds to the subrecipient so it is important for pass-through entities to maintain accounting records to meet this requirement.
 12. Indirect cost rate for the pass-through entity's Federal award. This rate may be found on page 3 of the pass-through entity's EPA Award in Table A, Object Class Category and may be the 10% de-minimis indirect cost rate described at [2 CFR 200.414\(f\)](#).
- B.** All "flow down" requirements imposed on the subrecipient by the pass-through entity to ensure that the EPA award is used in accordance with Federal statutes, regulations and the terms of the EPA award. The subrecipient is accountable to the pass-through entity for compliance with Federal requirements. In turn, the pass-through entity is responsible to EPA for ensuring that subrecipients comply with Federal requirements.

These requirements include, among others:

1. Title VI of the Civil Rights Act and other Federal statutes and regulations prohibiting discrimination in Federal financial assistance programs, as applicable.
2. Reporting Subawards and Executive Compensation under Federal Funding Accountability and Transparency Act (FFATA) set forth in General Condition of the pass-through entity's agreement with EPA entitled "**Reporting Subawards and Executive Compensation.**"
3. Limitations on individual consultant fees as set forth in General Condition [2 CFR 1500.10](#) and the General Condition of the pass-through entity's agreement with EPA entitled "**Consultant Fee Cap.**"
4. EPA's prohibition on paying management fees as set forth in General Condition of the pass-through entity's agreement with EPA entitled "**Management Fees.**"
5. The Procurement Standards in [2 CFR Part 200](#) including those requiring competition when the subrecipient acquires goods and services from contractors (including consultants) and Domestic preferences for procurements at [2 CFR 200.322](#).

6. For states and other public recipients, a provision ensuring that subawards are not conditioned in a manner that would disadvantage applicants for subawards based on their religious character.

Other statutes, regulations and Executive Orders that may apply to subawards are described at [Information on Requirements that Pass-Through Entities must “Flow Down” to Subrecipients](#). Many Federal requirements are agreement or program specific and EPA encourages pass-through entities to review the terms of their assistance agreement carefully and consult with their EPA Project Officer for advice, if necessary.

- C. Any additional requirements such as financial and performance reports the pass-through entity imposes on the subrecipient to ensure that the pass-through entity meets its own responsibilities to the Federal awarding agency.
- D. Subrecipient’s Indirect Cost Rate. The indirect cost rate may be a rate negotiated and approved by the subrecipient’s cognizant Federal agency. If the subrecipient does not have a Federal indirect cost rate, the pass-through entity may negotiate an indirect cost rate with the subrecipient that complies with [2 CFR Part 200, Subpart E](#) or use the 10% de-minimis indirect cost rate described at [2 CFR 200.414\(f\)](#).
- E. Requirements for the subrecipient to provide access to subaward records so that the pass-through entity and Federal auditors may verify compliance with 2 CFR 200.332 as well as [2 CFR Part 200, Subpart D, Post Federal Award Requirements](#) for Financial and Program Management, and [2 CFR Part 200, Subpart F, Audit Requirements](#). Examples of records include:
 1. Subrecipient financial statements and reports;
 2. Programmatic reports including information on environmental results
 3. Audit findings
- F. Additional Requirements imposed by the pass-through entity under 2 CFR 200.208 that reflect the passthrough entity’s assessment of the subrecipient’s risk of noncompliance with Federal statutes, regulations and the terms and conditions of the subaward based on the factors described at 2 CFR 200.332(b).
 1. Risk factors may include:
 - (a) Prior experience with same or similar subawards;
 - (b) Results of previous audits;
 - (c) Whether new or substantially changed personnel or systems, and;
 - (d) Extent and results of Federal awarding agency or the pass-through entity’s monitoring.

2. Examples of additional requirements authorized by [2 CFR 200.208](#) include:

- (a) Requiring payments as reimbursements rather than advance payments;
- (b) Withholding authority to proceed to the next phase until receipt of evidence of acceptable performance within a given period of performance;
- (c) Requiring additional, more detailed financial reports;
- (d) Requiring additional project monitoring;
- (e) Requiring the non-Federal entity to obtain technical or management assistance, and;
- (f) Establishing additional prior approvals.

G. Terms and conditions concerning the close out of the subaward.

EXHIBIT D
PROFESSIONAL SERVICES SPECIAL TERMS AND CONDITIONS

1. **Definitions.** The following words and phrases have the following meanings for purposes of this Agreement:

1.1 "Services" means, collectively, the services, duties and responsibilities described in Exhibit A of this Agreement and any and all work necessary to complete them or carry them out fully and to the standard of performance required in this Agreement.

1.2 "Deliverable" means quantifiable goods or services that will be provided upon completion of a project. A deliverable is any tangible material, work or thing delivered by one party to the other, including associated technical documentation. A deliverable can be tangible or intangible parts of the development process, and often are specified functions or characteristics of the project.

2. **General.** The following terms and conditions are applicable for the Professional Services only. The special conditions shall be read in conjunction with the Standard Agreement, General Terms and Conditions ("GTC") Exhibit C, and all other Exhibits identified in the Standard Agreement.

2.1 Where any portion of the GTC is in conflict to or at variance with any provisions of the Special Conditions of the Agreement, then unless a different intention stated, the provision(s) of the Special Conditions of the Agreement shall be deemed to override the provision(s) of GTC only to the extent that such conflict or variations in the Special Conditions of the Agreement are not possible of being reconciled with the provisions of the GTC.

2.2 In the case of modification of a part or provision of the GTC, the unaltered part or provision, or both shall remain in effect. The Special Conditions shall relate to a particular project and be peculiar to that project but shall not weaken the character or intent of the GTC.

3. **Time for Performance.**

3.1 Consultant shall perform the services according to the schedule contained in Exhibit F.

3.2 Timeliness of Performance i) Consultant shall provide the Services, and Deliverables within the term and within the time limits required under this Agreement, pursuant to the provisions of Exhibit A and Exhibit F. ii) Neither Consultant nor Consultant's agents, employees nor subConsultants are entitled to any damages from the City, nor is any party entitled to be reimbursed by the City, for damages, charges or

other losses or expenses incurred by Consultant by reason of delays or hindrances in the performance of the Services, whether or not caused by the City.

4. Standard of Performance

In addition to Exhibit C, Section 4 and 17, Consultant agrees as follows:

4.1 Consultant's Services shall be performed in accordance with generally accepted professional practices and principles and in a manner consistent with the level of care and skill ordinarily exercised by members of Consultant's profession currently practicing under similar conditions. Consultant shall comply with the profession's standard of performance, applicable laws, regulations, and industry standards. By delivery of completed work, Consultant certifies that the work conforms to the requirements of this Agreement and all applicable federal, state and local laws. If Consultant is retained to perform services requiring a license, certification, registration or other similar requirement under California law, Consultant shall maintain that license, certification, registration or other similar requirement throughout the term of this Agreement.

4.2 Consultant acknowledges that it is entrusted with or has access to valuable and confidential information and records of the City and with respect to that information, Consultant agrees treat such information with at least the same degree of care as Contractor employs in handling its own proprietary or confidential information but in no event with less than reasonable care. Consultant shall assure that all services that require the exercise of professional skills or judgment are accomplished by professionals qualified and competent in the applicable discipline and appropriately licensed, if required by law. Consultant must provide copies of any such licenses. Consultant remains responsible for the professional and technical accuracy of all Services or Deliverables furnished, whether by Consultant or its subConsultants or others on its behalf. All Deliverables must be prepared in a form and content satisfactory to the Using Agency and delivered in a timely manner consistent with the requirements of this Agreement.

4.3 If Consultant fails to comply with the foregoing standards, Consultant must perform again, at its own expense, all Services required to be re-performed as a direct or indirect result of that failure. Any review, approval, acceptance or payment for any of the Services by the City does not relieve Consultant of its responsibility for the professional skill and care and technical accuracy of its Services and Deliverables. This provision in no way limits the City's rights against Consultant either under this Agreement, at law or in equity.

5. Compensation

5.1 In addition to Section 3 Compensation in Exhibit C – GTC, the Consultant shall be compensated for the services provided under this Agreement as follows:

5.1.1 Consultant shall be compensated for services rendered and accepted under this Agreement and shall be paid consistent with the reimbursement process established hereto, in arrears on a not to exceed basis, based upon the budget set forth in Exhibit E attached hereto and made a part of this Agreement.

6. Personnel

6.1 None of the work or services covered by this Agreement shall be subcontracted without the prior written approval of the City. Any work or services subcontracted hereunder shall be specified by written agreement and shall be subject to each provision of this Agreement. Consultant shall provide subConsultant a copy of this fully executed Agreement.

6.2 Consultant agrees to assign only competent personnel according to the reasonable and customary standards of training and experience in the relevant field to perform services under this Agreement. Failure to assign such competent personnel shall constitute grounds for termination of this Agreement. The payment made to Consultant pursuant to this Agreement shall be the full and complete compensation to which Consultant and Consultant's officers, employees, agents, and subConsultants are entitled for performance of any work under this Agreement. Neither Consultant nor Consultant's officers or employees are entitled to any salary or wages, or retirement, health, leave or other fringe benefits applicable to employees of the City. The City will not make any federal or state tax withholdings on behalf of Consultant. The City shall not be required to pay any workers' compensation insurance on behalf of Consultant. Consultant shall pay, when and as due, any and all taxes incurred as a result of Consultant's compensation hereunder, including estimated taxes, and shall provide City with proof of such payments upon request.

6.3 Key Personnel: Because of the special skills required to satisfy the requirements of this Agreement, Consultant shall not reassign or replace key personnel without the written consent of the City, which consent the City will not unreasonably withhold. "key personnel" means those job titles and the persons assigned to those positions in accordance with the provisions of this Agreement. The City may at any time in writing notify Consultant that the City will no longer accept performance of Services under this Agreement by one or more Key Personnel listed. Upon that notice Consultant shall immediately suspend the services of the key person or persons and must replace him or them in accordance with the terms of this Agreement. A list of key personnel is found in Exhibit A, Scope of Services.

7. Reports and Information

Consultant shall at such times and in such forms as the City may require furnish the City such periodic reports as it may request pertaining to the work or services undertaken pursuant to this Agreement, the costs and obligations incurred or to be incurred in connection therewith, and any other matters are covered by this Agreement as specified in Exhibit A and Exhibit E.

8. Findings Confidential

All of the reports, information, data, et cetera, prepared or assembled by the Consultant under this Agreement are confidential and the Consultant agrees that they shall not be made available to any individual or organization without the prior written approval of the City. Consultant shall not be required under the provisions of this paragraph to keep confidential any data or information which is or becomes publicly available, is required by applicable law or by proper legal or governmental authority, is already rightfully in the Consultant's possession without obligation of confidentiality, is independently developed by Consultant outside the scope of this Agreement or is rightfully obtained from third parties. Consultant shall give City prompt notice of any such legal or governmental demand and reasonably cooperate with City in any effort to seek a protective order or otherwise to contest such required disclosure.

9. Copyright

No materials, including but not limited to reports, maps, or documents produced as a result of this Agreement, in whole or in part, shall be available to Consultant for copyright purposes. Any such materials produced as a result of this Agreement that might be subject to copyright shall be the property of the City and all such rights shall belong to the City, and the City shall be sole and exclusive entity who may exercise such rights.

10. Deliverables

Consultant shall prepare or provide to the City various Deliverables. "Deliverables" include work product, such as written reviews, recommendations, reports and analyses, produced by Consultant for the City. The City may reject Deliverables that do not include relevant information or data, or do not include all documents or other materials specified in this Agreement or reasonably necessary for the purpose for which the City made this Agreement or for which the City intends to use the Deliverables. If the City determines that Consultant has failed to comply with the foregoing standards, it has 30 days from the discovery to notify Consultant of its failure. If Consultant does not correct the failure, or if it is possible to do so, within 30 days after receipt of notice from the City specifying the failure, then the City, by written notice, may treat the failure as a default of this Agreement under Exhibit C - GTC, Paragraph 29. Partial or incomplete Deliverables may be accepted for review only when required for a specific and well-defined purpose and when consented to in advance by the City. Such Deliverables will not be considered as satisfying the requirements of this Agreement and partial or incomplete Deliverables in no way relieve Consultant of its commitments under this Agreement.

EXHIBIT E

COMPENSATION SCHEDULE

The Consultant shall be compensated for the services identified in Exhibit A, Exhibit C, and Exhibit D to this Agreement as follows:

1. Project Price

1.1 The maximum the Consultant shall be paid on this Agreement is **\$1,000,000** (hereafter the “not to exceed” amount). The “not to exceed” amount includes all payments to be made pursuant to this Agreement, including City approved reimbursable expenses, if any. Nothing in this Agreement requires the City to pay for work that does not meet the Standard of Performance identified in Exhibit D section 4 or other requirements of this Agreement.

1.2 Standard Reimbursable Items: Only the reimbursable items identified Exhibit A, C and D shall be compensated to the Consultant. Reimbursable expenses will be reimbursed without markup. Fees plus reimbursable expenses shall not exceed the amount set forth in section 1.1 of this Exhibit and a copy of the original invoice for the items listed in i, ii or iii. Additionally, items such as telephone, fax, postage or freight are already included in the billable hourly rate. Consultant shall be reimbursed the direct expenses, which are the actual cost of the following items that are reasonable, necessary and actually incurred, by the Contractor in connection with the services. Section 2 of this exhibit lists the total funding allocated to the Consultant for each project they are involved in.

- i. Expenses, fees or charges for printing, reproduction or binding of documents at actual costs with no markup added to the actual cost.
- ii. Travel expenses shall be reimbursed in accordance with the City’s travel policy, which is incorporated herein by reference. Reimbursement shall be made at actual costs with no markup added to the actual cost.

1.3 The Consultant shall be entitled to receive payments for its work performed pursuant to the Agreement. The City will pay Consultant based on invoices for acceptable work performed and approved until the “not to exceed” amount is reached. Thereafter, Consultant must complete services based on the Agreement without additional compensation unless there is a material change to the Statement of Work and Scope by a written Amendment.

1.4 If work is completed before the “not to exceed” amount is reached, the Consultant’s compensation will be based on the Consultant’s invoices previously submitted for acceptable work performed and approved.

1.5 The Contingency will be used for expenses occurred for any additional requested services by the City and agreed upon between the City and the Consultant.

1.6 The Optional task described in Section 2 is not included in the base scope of work. As requested at a time determined by the City, and mutually agreed upon between the parties, the Optional task may be incorporated into the project scope by a written amendment to this Agreement, which will increase the contract per the amount stated in this Exhibit.

2. **Task Price.** Below is the price for the services and reimbursable expenses as described in Exhibit A of this Agreement.

Task	Description	Task Price
1	Project Administration & Collaboration	\$130,395
2	Baseline Assessment	\$18,096
3	Community & Stakeholder Engagement	\$192,032
4	Climate Vulnerability & Risk Assessment	\$88,575
5	GHG Inventory, Projections & Measures	\$132,402
6	Benefit and Impacts Analysis	\$122,350
7	Develop Draft Plan	\$65,772
8	Action Prioritization	\$68,370
9	Implementation Plan Development	\$52,358
10	Final Plan Development	\$69,284
11	Status Report	\$39,706
	Subtotal	\$979,340
	Contingency	\$20,660
Optional (at City's request)	Add Alternate #1 Building Energy Assessments, Energy Audits, and Building	\$125,904
Fees	Total (Excluding Optional Tasks listed in red)	\$1,000,000

3. **Hourly Rates.** The following is a list of hourly billable rates that Consultant shall apply for additional services requested of the Consultant. Consultant shall be compensated based on the hourly rates set forth below, on a time and material basis for those services that are within the general scope of services of this Agreements, but beyond the description of services required under Exhibit A, and all services are reasonably necessary to complete the standards of performance required by this Agreement. Rates listed below are valid through September 2024

and will be escalated in October of each calendar year by 4 percent. Any changes and related fees shall be mutually agreed upon between the parties by a written amendment to this Agreement.

Title	Hourly Billable Rates
Project Director	\$278
Project Manager	\$230
GHG & Benefits Lead	\$180
GHG Analyst	\$149
Co-Pollutants Analyst	\$173
LIDAC Analyst	\$139
Adaptation Task Lead	\$275
Tech Analyst	\$210
Adaptation Planning	\$155
Funding and Financing Lead	\$249
Engagement Lead	\$230
Equity Analyst	\$229
Engagement Analyst	\$161
Website Lead	\$208
Cost Analyst	\$204
Funding Analyst	\$146
Graphics	\$138
Workforce Development Analyst	\$201
Building Assessment Tech Lead	\$302
Facility Assessment	\$191
Sr. Facility Assessment	\$222
Project Controls	\$165

4. **Invoice to Address.** Consultant shall submit an invoice to the City's staff consistent with the process provided in Exhibit A. Invoices shall be submitted to the below address and remitted electronically:

City of Stockton
City Manager's Office
Attention: Office of Environment & Sustainability
425 N. El Dorado Street
Stockton, CA 95202

Email: Shalilah.bess@stocktonca.gov; grant.kirkpatrick@stocktonca.gov

EXHIBIT F

TIMELINE

Consultant shall complete the requested services identified in Exhibit A as follows:

See attached Exhibit F – AECOM Project Schedule

Attachment A

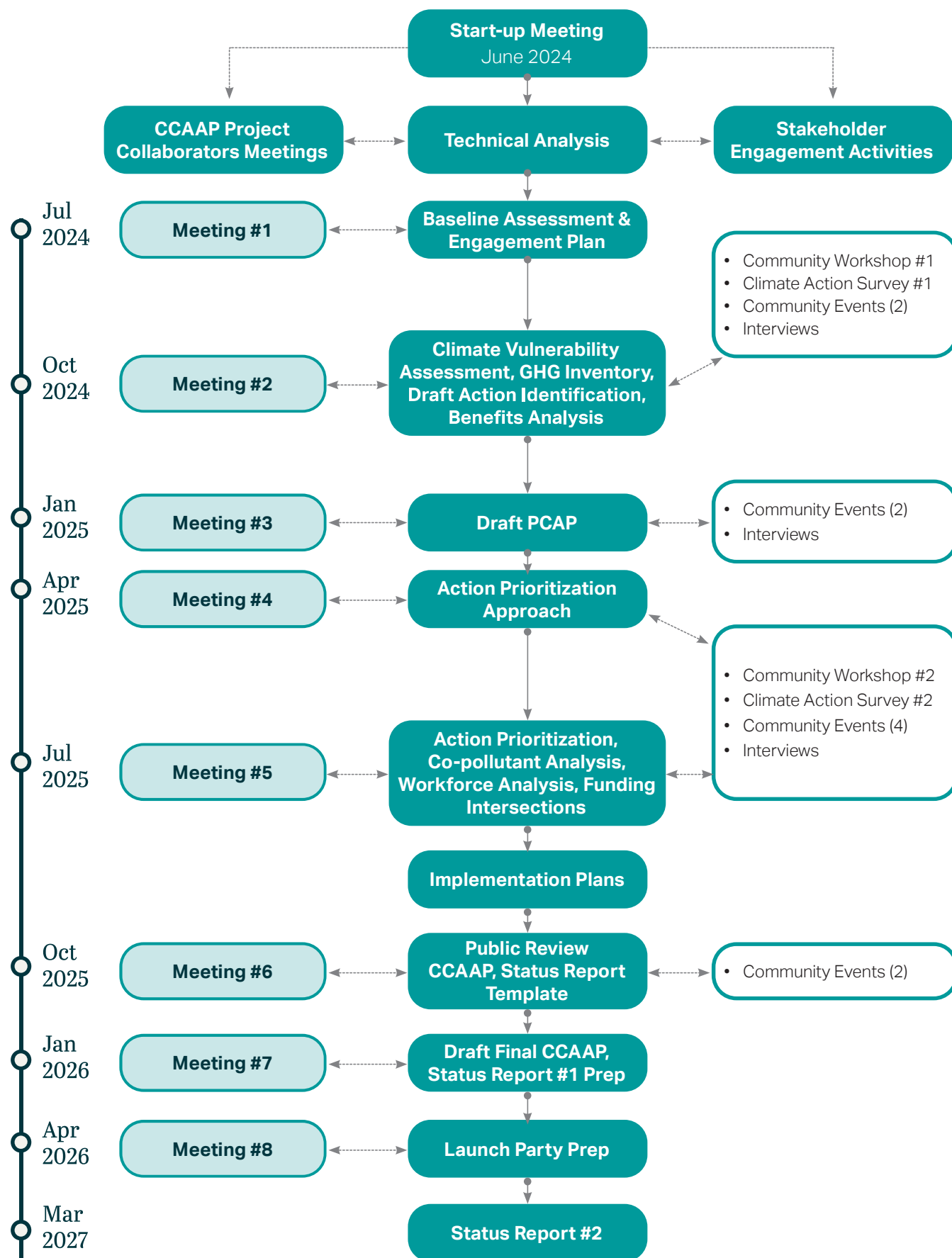
Project Approach – Order of Tasks

Our proposed scope of work will achieve each task detailed in the RFP. However, we are recommending an alternative ordering of tasks and subtasks to improve the efficiency and effectiveness of stakeholder engagement, which is critical for informing our recommendations. Table 1 shows the crosswalk from our proposed scope of work tasks to those included in the RFP, while Figure 1 illustrates conceptually how the project's technical work aligns with our proposed Project Collaborator meetings and community and stakeholder engagement events.

Table 1 - Scope of work task comparison

AECOM Scope Tasks	City of Stockton RFP Task Elements
Task 1. Project Administration & Collaboration	Task 2.1 Project Start-up Meeting Task 2.2 Project Collaboration Meetings
Task 2. Baseline Assessment	Task 2.3 Baseline Assessment & Goal Setting
Task 3. Stakeholder & Community Engagement	Task 2.4 Stakeholder & Community Engagement Plan Task 2.5 Community Workshops
Task 4. Climate Vulnerability & Risk Assessment	Task 2.6 Climate Vulnerability Assessment & Risk Assessment
Task 5. GHG Inventory, Emissions Projections, & Measures	Task 2.7 GHG Inventory, Emissions Projections & Measure
Task 6. Benefits & Impact Analysis	Task 2.8 Benefits Analysis Task 2.9 Low Income/Disadvantage Communities Benefits Analysis Task 2.10 Workforce Planning Analysis
Task 7. Draft Plan (PCAP) Development	Task 2.12 Draft Plan Development (Priority Climate Action Plan)
Task 8. Action Prioritization	Task 2.11 Action Identification & Prioritization
Task 9. Implementation Plan Development	Task 2.13 Implementation Plan Development
Task 10. Final Plan Development	Task 2.14 Final Plan Development
Task 11. Status Report	Task 2.15 Status Report
Optional Task 1: Building Energy Assessments, Energy Audits, & Building Upgrades	Add Alternate #1. Building Energy Assessment, Energy Audits, & Building Upgrades

Figure 1 - Workflow between technical work and stakeholder and community outreach



Task 1. Project Administration & Collaboration

Task 1.1 Project Start-up Meeting

Our Sacramento-based project management team – project director Josh Lathan and project manager Shelley Jiang – will organize an in-person kickoff meeting with the City to discuss project goals and timeline, request initial data, and review communication protocols. Following the kickoff meeting, we will provide the City with a detailed project schedule, including anticipated deliverable dates and review periods.

DELIVERABLES

- Organize and facilitate one (1) one-hour in-person project team kickoff meeting, including meeting agenda and minutes (i.e., bulleted email summary of decisions and next steps) (Final; PDF)
- Project schedule, including milestones and deliverable review periods (Final; Excel and PDF).

ASSUMPTIONS

- We have planned for an in-person kickoff meeting but can adjust based on City preferences.
- Up to four (4) AECOM staff will participate in the kickoff meeting.

Task 1.2 Goal Setting

Following the project start-up meeting, we will develop a draft project vision, goals, and objectives, which can be shared with the public and other stakeholders when engagement activities begin. This will be a living set of goals and objectives that can be revisited and revised as technical analysis is completed, such as the GHG inventory and climate vulnerability assessment. These draft statements will help guide early phases of the project, such as the action identification process, and will be finalized as part of the PCAP development phase.

DELIVERABLES

- Project vision, goals, and objectives (Draft and Final; PDF).

Task 1.3 Project Administration

Our project management team will host regular project check-in meetings with the City team for the duration of the project. We propose virtual bi-weekly check-in meetings that include the AECOM and City project management teams, with participation from task leads or other subject matter experts, as needed. These meetings will be an opportunity to review and coordinate progress on deliverables, discuss technical questions, debrief on community and stakeholder outreach,

and discuss next steps. Throughout the duration of the project, the AECOM team will be available for calls and emails to promptly discuss project items as they occur.

DELIVERABLES

- Host virtual bi-weekly project check-in meetings, including meeting agendas and minutes; up to 56 meetings for the project duration.

ASSUMPTIONS

- Project check-in meetings are 30-minute virtual meetings that include AECOM Project Manager, with other staff included on an as-needed basis.

Task 1.4 Quarterly Collaboration Meetings

In addition to regular project administration meetings that will help keep the overall project on track (see Task 1.3), we anticipate the need for periodic meetings with the City project team and other partners throughout the duration of the project.

These meetings can be useful for:

- reviewing interim deliverables,
- sharing updates on overall project progress and upcoming activities, and
- soliciting input when choosing from multiple options for the technical approach.

Participants in these meetings are likely to include the Climate Action Plan Advisory Committee, inter-agency department staff, and municipal partners within the MSA region and are referred to as Project Collaborators in this scope of work. We reference specific instances of review and input from these groups throughout the project tasks where collaboration opportunities are already known, including review and discussion of:

- initial climate action ideas,
- draft GHG targets and quantified action results,
- climate vulnerability assessment results,
- action prioritization,
- review of PCAP and Final Plan reports, and
- Status Report approach and results.

To establish a cohesive working relationship, we propose quarterly in-person sessions for the two-year PCAP and CCAAP development timeframe, with meetings to include the groups listed above and the AECOM and City project teams, with participation from Little Manila Rising to be determined by the City. We will develop meeting agendas and provide review materials in advance of these sessions, along with meeting minutes summarizing decisions.

DELIVERABLES

- Project collaboration meeting agendas, discussion review materials, and meeting minutes (Final; Word, PDF, and/or Excel).

ASSUMPTIONS

- Up to two (2) AECOM staff will attend eight (8) in-person collaboration meetings.
- The City will secure a meeting location for quarterly in-person project collaboration meetings.

Task 2. Baseline Assessment

AECOM will review and evaluate the City's existing plans, policies, and resources to understand the history and context of climate action in Stockton and inform CCAAP action development. We will summarize results within a simple matrix that includes columns for each climate hazard to be evaluated in the climate vulnerability assessment and GHG emissions type to be included in the City's inventory. This structure will allow us to identify climate areas that have previously or are currently being addressed, policy and program gaps, new opportunities, and existing actions that can be enhanced.

The baseline review will include a variety of sources, such as:

- Primary City plans and studies related to climate action, including:
 - City of Stockton 2014 CAP,
 - General Plan,
 - 2008 Settlement Agreement,
 - cultural resources studies, and
 - other relevant City documents
- Primary plans developed by regional agencies that can influence Stockton's climate planning approach:
 - San Joaquin Council of Governments (SJCOG) 2022 Regional Transportation Plan and Sustainable Communities Strategy.
- City staff input to qualitatively evaluate prior City actions related to GHG reductions, including:
 - garbage truck operations,
 - organic waste processing,
 - wastewater treatment and upgrades at the regional wastewater control facility,
 - solar light installations,
 - economic development



As part of a resilience project for Dumbarton Bridge, AECOM worked with local CBOs to hold a multi-week capacity-building and training workshop for residents in East Palo Alto.

AECOM will confirm a list of resources to be reviewed with the City team prior to developing the baseline assessment. Building from our experience in developing other PCAPs, we will also develop a brief Project Intake Form (PIF) to identify implementation-ready climate actions in the region for which program funding is the primary remaining barrier. We will distribute the PIF via the project collaboration meetings in Task 1 and to local CBOs via Little Manila Rising. Feedback on the PIF will partially inform the list of CCAAP actions.

DELIVERABLES

- Policy and program review matrix (Draft and Final; Excel).
- Project intake form (Final; Word).

ASSUMPTIONS

- City and Little Manila Rising teams will follow-up with PIF recipients to collect completed forms.

Task 3. Stakeholder & Community Engagement

Community and stakeholder engagement are critical to the successful development and implementation of the CCAAP, as effective GHG reduction measures require collective action across multiple sectors and communities, while resilience must be addressed on a community-wide basis. The City of Stockton has demonstrated its commitment to equity by partnering with Little Manila Rising to develop a thoughtful, community-led outreach process. AECOM is excited to work side by side with Little Manila Rising to understand community feedback on priorities, needs, and vulnerabilities to inform the CCAAP process.

The City is home to two of the most disadvantaged communities in California, making it vital that they are part of an inclusive, accessible outreach effort. AECOM will work closely with the City and Little Manila Rising to develop equity-centered outreach efforts to foster broad community involvement and reduce barriers to participation for communities that have historically been excluded from decision-making and planning processes.

To address these challenges, we propose employing a range of methods tailored to community members' preferences. AECOM will work collaboratively with the project team to understand agency and community priorities, build broad-based support for climate action (both mitigation and adaptation), and integrate key feedback to improve outcomes for communities. Throughout the process, we will coordinate with the City, Little Manila Rising, and other Project Collaborators to guide outreach efforts. Based on our recent community engagement experience in the region and our

current work with SMAQMD, we recognize this is a unique opportunity to:

- Build public awareness of climate change, existing regional initiatives and leadership, and the CCAAP process;
- Enhance collaborative partnerships among the City, regional governments and agencies, residents, local organizations, and businesses; and
- Listen to, learn from, and integrate valuable community input and feedback.

Task 3.1 Community Engagement Plan

AECOM will work closely with Little Manila Rising and the City of Stockton to develop and implement a Community Engagement Plan (CEP) tailored to the conditions and characteristics of Stockton and the broader MSA region. As part of the plan development, AECOM will hold three (3) virtual meetings with the City and Little Manila Rising to devise a tailored approach to community and stakeholder outreach during the CCAAP development process. The CEP will identify key stakeholders to be engaged; goals and purpose of outreach; types of activities; a timeline; and tactics to increase participation, especially of vulnerable and disadvantaged communities. Based on recommended best practices to go to the community, where possible, the CEP will also identify existing community events, meetings, festivals, and other activities at which the project team can conduct pop-ups or provide engaging presentations, such as the:

- Ripon Almond Blossom Festival,
- Stockton's Chinese and Cambodian New Year Celebrations,
- San Joaquin Asparagus Festival,
- Stockton Cinco de Mayo Family Festival,
- Lodi Street Faire,
- Linden Cherry Festival,
- San Joaquin County Fair,
- Stockton's Concerts in the Park series,
- Stockton Black Family Day Culture Fest, and
- Manteca Pumpkin Fair.

By going to the community, we aim to engage a more diverse range of participants than those who typically attend public workshops and open houses. We will revisit the CEP twice during the course of the project and revise based on engagement event outcomes and experiences, community feedback, and feedback from the City and Little Manila Rising. Anticipated points of revision could be 1) in fall 2024, after initial round of outreach to support PCAP development; and 2) in summer 2025 to support CCAAP outreach.

In collaboration with project partners, AECOM will also develop communication materials and marketing tactics to increase meeting attendance, public participation, and



Pop-up stand for the City of Long Beach Climate Action and Adaptation Plan (CAAP).

robust community engagement toward the City's community participation goals, as noted in the RFP. Materials will focus on increasing participation from under-served and disadvantaged communities as well as the general public, and media engagement, such as press releases.

DELIVERABLES

- Community Engagement Plan (Draft Word).
- Three press releases at key project milestones, specifically 1) project inception; 2) PCAP release; and 3) CCAAP release (Draft and Final; Word and PDF).
- Engagement and marketing materials (e.g., social media messages and graphics, flyers, and posters) for up to two (2) community workshops, and ten (10) events and meetings.

ASSUMPTIONS

- Three planning meetings for the Community Engagement Plan will be held virtually.
- City and Little Manila Rising will have three rounds of review for the CEP (one for initial creation and one for each update), and all comments will be consolidated in a single document with conflicting comments resolved.
- The City or Little Manila Rising will arrange for translation of communication materials.

Task 3.2 Community Workshops

Traditional in-person workshops remain important for those that wish to participate more deeply and will be used to complement other engagement approaches. Community workshops should:

- help stakeholders feel heard,
- let stakeholders feel like owners of their own plan,
- collect meaningful data, and
- use this data to create compelling data-driven communications.

We propose two community workshops during the PCAP and CCAAP development timeline, with community climate surveys acting as online extensions of each workshop (see Task 3.3). We will schedule the workshops to align with points in plan development where community input is most valuable, which could include:

- **PCAP Workshop:** Sharing results of the GHG inventory and projection analysis and climate vulnerability assessment, and soliciting input on climate action ideas and preferences, and action evaluation criteria to inform the benefits analysis and action prioritization later in the project.
- **CCAAP Workshop:** Discussing benefits analysis results from the PCAP, prioritizing climate action implementation phasing, and identifying implementation opportunities and challenges to inform implementation plan development.



Community outreach for the City of Long Beach CCAAP.

AECOM will develop draft workshop agendas and materials for review with the City team, including workshop objectives, format, breakout station boards, and facilitator guides. We will provide workshop summary notes following each event. Up to four AECOM team members will attend each workshop.

DELIVERABLES

- Meeting materials for two (2) workshops, including agendas, objectives, presentations, breakout station boards, facilitator guides, and summary notes (Draft and Final; PDF, PPT).
- Staffing by up to four (4) members of the AECOM team at two (2) in-person workshops, as described above.

ASSUMPTIONS

- City and/or Little Manila Rising staff will co-facilitate workshops
- City team will secure meeting venue, provide refreshments, and manage public workshop noticing

Task 3.3 Community Climate Action Surveys

AECOM will develop two (2) community climate surveys that replicate the engagement aspects of the two in-person community workshops (see Task 3.2):

- Survey One will focus on GHG reduction and adaptation action preferences and prioritization criteria, and
- Survey Two will focus on climate action priorities and implementation approaches.

We used this workshop / survey pairing successfully during PCAP development for the El Paso MSA where surveys were offered in English and Spanish. Surveys will aim to be succinct and accessible, while seeking key feedback from community members. They will be translated into up to four (4) languages to be determined with the City and Little Manila Rising.

AECOM will partner with Little Manila Rising to reach a broad, inclusive audience for the surveys, including distribution

both online, via a social media campaign, and on paper at community workshops, events, and meetings. The survey outcomes will inform the project team's understanding of climate strategies that are likely to be supported by community members, as well as key resident priorities and concerns.

DELIVERABLES

- Development and analysis of two (2) community climate surveys (Draft and Final).

ASSUMPTIONS

- City will provide one round of review per survey and a single set of consolidated and adjudicated comments.
- City team and/or Little Manila Rising will arrange for survey translation.

Task 3.4 Community Meetings and Events

Based on outreach best practices and our extensive project experience, AECOM proposes to enhance engagement opportunities from the community workshops and climate surveys by going to the community and attending existing events and meetings, where possible. We believe this can reach a wider number of community members, who may have too many demands on their time and resources to attend a dedicated meeting.

Informed by the CEP and Little Manila Rising, AECOM will select a diverse range of existing events and meetings to present or table at, bringing the project to an array of Stockton area communities. These can include farmers markets, community festivals (e.g., regional agricultural festivals, community cultural events, Stockton Concerts in the Park series, San Joaquin County Fair), neighborhood association meetings, and other convenings within the MSA, encompassing communities in urban, agricultural, and rural areas. Where possible, AECOM will aim to attend events and meetings hosted by CBOs serving disadvantaged communities.

We expect community meetings and events in this task to primarily align with the PCAP and CCAAP development phases, and engagement materials will be developed to solicit feedback accordingly. At these events, we propose to collect feedback on preferred GHG reduction and adaptation strategies, co-benefits, and impacts on low-income and disadvantaged communities through the climate surveys where timing aligns (see Task 3.3) or interactive activities and games to draw out input on community preferences and priorities. We will develop two (2) mini-presentations (one PCAP focused, one CCAAP focused) that can be delivered at standing meetings for CBOs or other groups. We will also develop a more generalized set of engagement materials that can be used for broader information sharing at community events and meetings that do not align directly with community input collection periods for project deliverables.

AECOM also proposes up to two (2) community meetings held in conjunction with Stockton CBOs, such as Little Manila Rising, El Concilio, Stockton Mobility Collective, the Catholic Diocese of Stockton, Black Urban Farmers Association, and the Reinvent South Stockton Coalition. These meetings are distinct from the community workshops described in Task 3.2 and will aim to be integrated with an existing meeting or event held by these organizations to increase value for community members. Following best practices, events will provide translation/interpretation and refreshments and be hosted in locations familiar to and accessible by community members. Additionally, to support continued participation and engagement with local CBOs, we propose that the City directly compensates organizations for their valuable time and insights. Based on our research, the average stipend for CBO participation in northern California is approximately \$125/hr.

DELIVERABLES

- Engagement materials in up to four (4) languages, including two presentations and two project informational flyers (Draft and Final; PPT and PDF).
- Attendance at up to eight (8) pop-up events and meetings throughout the Stockton MSA.
- Attendance at up to two (2) community meetings hosted with Stockton CBOs.
- Outreach activity summary (Draft and Final; Word and PDF).

ASSUMPTIONS

- Staffing by up to two (2) AECOM staff at up to ten (10) in-person events and meetings.
- City team and/or Little Manila Rising will arrange for translation of engagement materials.
- City will provide one round of review for engagement materials and the outreach activity summary; and will provide a single set of consolidated and adjudicated comments.



Stakeholders participating in an interactive cascading consequences exercise as part of a climate preparedness training.

Task 3.5 Stakeholder Interviews

AECOM will hold a series of interviews and focus groups with residents and other stakeholders to inform the PCAP, CCAAP, and climate vulnerability assessment. The interviews will focus on specific topics to inform plan development and allow our team to dig deeper with local input. The interviews can build upon the community workshops, surveys, and meetings and events described in prior tasks by filling gaps in terms of topics covered and voices heard. These interviews will allow stakeholders to share their lived experiences, perspectives on opportunities and challenges of reducing GHG emissions and adapting to climate change, and recommendations to increase co-benefits for LIDAC communities, including economic and workforce development.

AECOM is experienced with holding CBO focus groups to understand community needs and priorities specifically around CPRG strategies and climate vulnerabilities for the Southern California Association of Governments and understands the importance of translating technical information in a way that is accessible to the broader public.

We will work with Little Manila Rising and the City to identify a list of stakeholders for interviews, including:

- **Resident and community-focused groups**

- residents
- youth
- schools
- environmental and social justice groups
- urban farmers
- food co-ops
- public health groups
- other key community groups

- **Key City departments**

- Public Works
- Municipal Utilities
- Community Development

- **Key agency partners**

- Escalon
- Lathrop
- Lodi
- Manteca
- Ripon
- Tracy
- Unincorporated San Joaquin County

- **Regional agencies**

- San Joaquin Council of Governments
- San Joaquin Valley Air Pollution Control District
- San Joaquin Area Flood Control Agency

- **Other key stakeholders**

- FEMA
- the Regional Climate Collaborative
- business groups

Interviews will be scheduled individually or in a focus group format, depending on the audience. For example, residents and homeowners may feel most comfortable discussing their perspectives in a focus group setting. Focus groups will be organized by topic area (e.g., flooding; green workforce development; home decarbonization).

DELIVERABLES

- Interview guides (Draft and Final; PDF).
- Summaries of key takeaways for up to twenty (20) interviews and focus groups (Draft and Final; Word and PDF).

ASSUMPTIONS

- All interviews and focus groups will be conducted virtually by up to two (2) AECOM staff.
- City will provide one round of review for interview guides and summaries of key takeaways, and will provide a single set of consolidated and adjudicated comments.

Task 3.6 Website Development

AECOM will build a CCAAP project website that keeps the public informed and engaged during plan development. The website will provide a portal where the public can find project information, respond to the community climate action surveys, view event announcements, read public drafts, and provide comments. Based on a recent example working with St. Louis County on its 2050 Equitable and Sustainable Comprehensive Plan, we propose developing a website through the City's ArcGIS Online account.

Our team will propose a website structure and collect design guidelines (including color palettes) and photos from the City to prepare draft website layout examples for review with the City team. In preparation for website design, we will meet with the City's communications and/or IT team to discuss branding concepts (e.g., preferred fonts, color palette, city photos, language/grammar style, etc.) and technical considerations. Following the meeting, we will develop a draft website outline for the City's review. Following confirmation of the website outline, we will develop a draft website for the City team's review and will incorporate one consolidated set of comments to produce the full website. Throughout the project timeline, we will confirm with the City team what new materials or information AECOM should publish through website updates, such as notices for upcoming engagement events, project schedule and milestone revisions, and/or new document uploads for public review.



News and Updates

Stay tuned for the most recent news and updates about STLCO 2050.



[Website](#) for the St. Louis County 2050 Comprehensive Plan.

DELIVERABLES

- One (1) design and communications review meeting (virtual) with City Communications and/or IT team
- Draft website outline.
- Draft and final website.
- Updates to website, as needed.

ASSUMPTIONS

- City will provide branding guidelines (e.g., fonts, color palette, images, logos, language/grammar style, etc.).
- City will host CCAAP website on its existing website/webpage and infrastructure.
- AECOM will build CCAAP website using City's existing ArcGIS Online (Esri) account.
- City of Stockton will be responsible for ArcGIS Online costs.
- City will maintain or close CCAAP website following project completion.
- City will provide one consolidated set of comments on the draft website outline and draft website.

Task 4. Climate Vulnerability & Risk Assessment

Through this task, AECOM will evaluate projected climate change and its resulting impacts on the Stockton region, with a focus on the City's communities, buildings, infrastructure, natural areas, and operations.

Task 4.1 Review of Local Climate Projections

AECOM will identify climate hazards most relevant to the Stockton region based on a desktop literature review, community engagement, stakeholder feedback, and input from City staff. This list will likely include extreme heat, extreme precipitation, inland flooding, wildfire and associated air quality impacts, and drought.

AECOM will develop summaries for each climate hazard, describing current conditions and projected changes by mid-century (2050) and end-of-century (2100) for the high emissions scenarios (RCP 8.5). Climate projections will come from Cal-Adapt (California's Fourth Climate Change Assessment data) or, if available at the time this task is initiated, California's Fifth Climate Change Assessment.

Climate hazard summaries will be provided at a regional level for the MSA; however, the vulnerability assessment will focus on the City of Stockton. Given the coarse spatial resolution of downscaled General Circulation Model outputs available through Cal-Adapt, it is unlikely the data will show substantial variability across the City for projected changes to temperature or precipitation patterns. More specifically, while temperatures are not expected to vary across the city, exposure to extreme heat will vary based on the urban heat island (UHI) effect, due to local variations in urban tree canopy cover and land uses (e.g., the amount of paved surfaces). Similarly, exposure to flooding will vary throughout the City. Stockton has experienced flooding in the past that could be intensified by more extreme storms and historic underinvestment in flood protection infrastructure. Thus, AECOM recognizes that it will be critical to account for local factors such as the UHI effect, topography, and social vulnerability, through the use of CalEPA's Urban Heat Island Index as an overlay of extreme heat projections and FEMA flood hazard maps. AECOM will develop exposure results and summaries for key future climate hazards for use in the vulnerability assessment (Task 4.2).

DELIVERABLES

- Memorandum summarizing local projections for each climate hazard for mid-century and end-of-century timeframes and one scenario (RCP 8.5) (Draft and Final, Word and PDF).

ASSUMPTIONS

- The AECOM team will rely on the validity of readily available resources such as published literature and data and projections available from Cal-Adapt.
- The City will provide one round of review for the memo, and will provide a single set of consolidated and adjudicated comments.

Task 4.2 Vulnerability Assessment

AECOM will conduct a vulnerability assessment to identify elements of the City's infrastructure, communities, and natural areas most vulnerable to the climate hazards identified in Task 4.1. These results will guide and inform strategy development.

Vulnerability to a given climate hazard is a function of **exposure** (whether the asset is located in an area that will be impacted) and **sensitivity** (degree to which an asset may be affected if exposed). **Adaptive capacity** (the ability of an asset to make changes to mitigate potential damage) will be used to adjust sensitivity ratings.

$$\text{Vulnerability} = \text{Exposure} \times \text{Sensitivity}$$

Assets

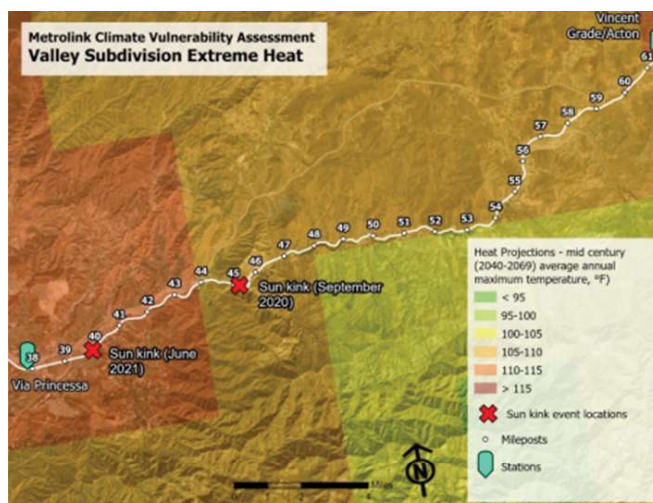
The team will request data from the City to identify key assets included in the vulnerability assessment. Example asset types for the City of Stockton fall into three general categories: physical assets and infrastructure, natural systems, and communities, shown in the table below.

Category	Asset Type	
Physical Assets	Transportation	Local roads and highways, public transit, bike routes, and pedestrian paths
	Critical Buildings	Community facilities (schools, senior centers), hospitals, clinics, emergency response services
	Critical Infrastructure	Electric utilities, pump stations, stormwater infrastructure
Natural Systems	Wetlands, parks, urban forest	
Communities	Disadvantaged communities and vulnerable populations	

The City and stakeholders will provide feedback to confirm that relevant asset types are included, and to identify any critical assets where failure or damage would lead to severe consequences for the City and its communities.

Vulnerable and Disadvantaged Communities

AECOM will conduct an in-depth analysis to identify the benefits and tradeoffs of various social vulnerability indices commonly used to identify disadvantaged communities, including CalEnviroScreen 4.0 (CES); California Healthy Places Index (HPI); Climate Change & Health Vulnerability Indicators for California (CCHVI); Access and Functional Needs (AFN) Web Map; and the Social Vulnerability Scores from the Federal Emergency Management Agency's (FEMA) National Risk Index. AECOM will select up to three of these tools to identify



Asset Type	Hazard							
	SLR + Storm Surge	Riverine Flooding	Extreme Heat	Wildfire	Landslides/Mudslides	Drought	Seismic	Electrical Outages
Track	Medium	Medium	Medium	Low	High	Low	Medium	None
Bridges	Low to High	Low to High	Low	Medium to High	High	Low	Low to High	None
Tunnels	n/a	Medium	None	Low	Medium	Low	High	Medium
Culverts	Low to Medium	Low to Medium	None	Low	High	Low	Medium	None
Signals	Medium	Medium	Low	High	Medium	Low	Medium	Medium
Communications	Low	Medium	Low	Medium to High	High	Low	Medium	Medium
Stations	Medium	Medium	Low to High	Medium	High	Low	Low to Medium	Low
Facilities	n/a	High	Low to High	Low to Medium	High	Low	Low to High	Low to High

Metrolink Climate Vulnerability Assessment and Sensitivity Matrix.

vulnerable communities based on those that most closely align with the goals and objectives of the City of Stockton and the CCAAP.

Sensitivity and Adaptive Capacity

To assess the sensitivity of physical assets and natural systems, a matrix will be developed for each asset or system type documenting its sensitivity to each climate hazard. Qualitative sensitivity ratings (high, moderate, or low) will be developed.

Sensitivity for human populations varies depending on socio-economic characteristics, which will be captured in the social vulnerability indices. Sensitivity to each climate-related disruptor varies based on certain attributes of vulnerable populations (i.e. people with respiratory diseases are more sensitive to wildfire smoke). To facilitate relevant and actionable analysis, sensitivity data will be evaluated at the block group scale for the entire Stockton MSA.

AECOM will draw on knowledge from previous projects and desktop research to identify socioeconomic characteristics that can heighten the sensitivity of populations to a given hazard. To the extent possible, AECOM will use data from the social vulnerability indices previously identified. For instance, a census tract with a high percentage of low-income

households will be more sensitive to extreme heat due to reduced access to adequate air conditioning.

Adaptive capacity for each asset type will be reviewed with the City and used to adjust sensitivity ratings. For example, a senior center that can be upgraded with air-conditioning and cool roofs will have higher adaptive capacity, and thus lower sensitivity, to extreme heat than an outdoor bike and pedestrian path; communities without vehicle access will have lower adaptive capacities, and thus higher sensitivities, to climate hazards.

Vulnerability Assessment Results

As the final step in the vulnerability assessment, sensitivity scores and climate exposures (as assessed in Task 4.1) will be combined to arrive at vulnerability scores for Stockton's physical assets and communities. Key vulnerabilities will be summarized, and the most vulnerable assets and communities will be prioritized for strategy development.

DELIVERABLES

- Brief memorandum summarizing the benefits and tradeoffs of various social vulnerability indices (Draft and Final; Word and PDF).
- Memorandum summarizing asset sensitivities, adaptive capacities, and vulnerability assessment results, including the most vulnerable assets and communities (Draft and Final, Word and PDF).

ASSUMPTIONS

- The City will provide geospatial data for assets selected for inclusion in the vulnerability assessment.
- AECOM will leverage publicly available datasets as the basis to assess climate exposures and social vulnerability.
- AECOM will rely on the accuracy of City-provided and publicly available datasets.
- The City will provide one round of deliverable review, and will provide a single set of consolidated and adjudicated comments.

Task 4.3 Risk Assessment

AECOM will evaluate previous hazard occurrences and the results of the vulnerability assessment to assess the likely impacts of each hazard on critical infrastructure, communities, housing, mobile homes, and other assets identified as important by community members. To assess risk, the likelihood of a major hazard (e.g., a severe flood or extended heat wave) will be combined with impact (consequence) to identify the highest risk hazards. The outcomes of the risk assessment will inform and guide strategy development.

DELIVERABLES

- Summary of hazard impacts on critical infrastructure, communities, housing, and mobile homes (Draft and Final; Word and PDF).
- Risk matrix for severe hazards (Draft and Final; Excel).

ASSUMPTIONS

- The City will provide one round of deliverables review, and will provide a single set of consolidated and adjudicated comments.

Task 4.4 Adaptation Strategy Development

AECOM will draw upon best practices, industry standards, and research to develop adaptation measures for the most vulnerable assets and communities. The strategies will be informed by community and stakeholder feedback described in Task 3, vulnerability assessment findings, City input, and our prior experience developing climate adaptation strategies. AECOM will develop a total of 20 high-level preliminary adaptation strategies, which will be evaluated for prioritization in Task 8. The prioritized strategies will be further refined through the development of implementation actions.

DELIVERABLES

- 20 preliminary adaptation strategies (Draft; Excel).

Task 5. GHG Inventory, Emissions Projections & Measures

AECOM will develop GHG inventories for the City of Stockton and broader MSA-region, from which we will develop near- and long-term GHG emissions projections and reduction targets. We understand the CPRG guidance allowed lead agencies to develop a high-level inventory for PCAP purposes, which would then be updated as an economy-wide inventory during the CCAP phase. To maximize project resources, we propose developing the required economy-wide GHG inventory during the PCAP phase of this project. Leveraging our GHG emissions modeling experience, we will provide the City with a nuanced understanding of potential emissions reduction scenarios, allowing for informed decision-making when identifying priority GHG reduction measures.

Task 5.1 GHG Inventory Development

AECOM will develop a community-wide GHG inventory for the City of Stockton and an MSA-wide inventory that covers unincorporated San Joaquin County and the cities of Escalon, Lodi, Lathrop, Manteca, Ripon, and Tracy. We recommend following an inventory protocol tailored to community emissions inventory development, such as the US Community Protocol or the Global Protocol for Community-

VMT ANALYSIS METHODS

Fehr & Peers will coordinate with the City team to discuss travel demand model options for estimating city-wide and MSA region-wide VMT as an input to the project's GHG inventories and projections. VMT for the CCAAP scenario years will be forecast by interpolating or extrapolating between the model's base year and future year. VMT estimates will be based on the Origin-Destination (O-D) method, and two types of VMT will be calculated:

1. **Full accounting of all VMT generated by the jurisdictions.** This VMT is a network-based estimation or forecast that includes total VMT that has at least one end of the origin or destination (OD) within the study area accounting for the entire length of travel. In other words, this VMT includes trips that are internal to the study area (II), originate in the study area and end outside the study area (IX), and trips that originate outside the study area and end within the study area (XI). The reported VMT will be disaggregated into the following specific metrics:
 - a. II, IX, and XI VMT and by vehicle types as identified by the model
 - b. Total VMT by Speed Bin and by vehicle types as identified by the model
2. **Proportional accounting of VMT generated by study area.** This method proportions the VMT generated by the study area according to the location of the trip start and end locations. In other words, II trips (those that start and end in the City) are assigned as 100% to the City while the IX and XI trips are assigned as 50% responsibility. The reported VMT is disaggregated into the following specific metrics:

- a. II, IX, and XI VMT and by vehicle types as identified by the model
- b. Total VMT by Speed Bin and by vehicle types as identified by the model

Fehr & Peers will also develop VMT efficiency metrics (home-based VMT per capita and home-based work VMT per worker) using the methodologies described in the City of Stockton Transportation Impact Analysis Guidelines. VMT efficiency metrics will be used to help quantify VMT reductions strategies that may only apply to specific types of VMT.

Finally, Fehr & Peers will use the VMT+ tool¹ to review the VMT per capita results from the model.

Replica Validation: Fehr & Peers will use Replica Data to review the travel pattern of the City of Stockton and the Stockton MSA. Replica is a nationwide activity-based travel demand model with detail down to the census block group and local street level. Replica combines multiple datasets to represent activities and travel behavior for baseline conditions.² Replica can help answer other transportation-related questions such as O-D travel patterns, specific roadway usage, II, IX, and XI travel, and VMT.

This data will be used to review the model outputs for consistency. If needed, this data will be used to perform up to two iterations of base year model calibration and validation. This will help improve model performance and remove model bias.

¹ VMT+ is an open-source tool developed by Fehr & Peers that provides a combination of resources to review VMT per capita data at the Census Block Group (CBG) level throughout California. This tool uses StreetLight data to estimate VMT. <https://storymaps.arcgis.com/stories/e9fb17d33a2c4d60a6747071be3d5b4a>

² <https://www.replicahq.com/>

Scale Greenhouse Gas Emission Inventories (GPC) and will discuss options with the City team at the start of this task. Based on these protocols and consistent with the CPRG program requirements, the inventory will be organized into sectors including:

- Building energy (e.g., electricity, natural gas)
- On-road transportation
- Off-road transportation
- Water energy
- Wastewater
- Solid waste
- Industrial sources
- Forest & trees

We will develop a data collection tracker that identifies data needed and the potential and final data sources, which can serve as a guidance document for future inventory development. To the extent possible, we will collect publicly available data to streamline the inventory development process consistent with the expected timeline in the RFP and to facilitate aspects of the Status Report process per Task 11. In instances where we propose data be collected from external agencies (e.g., utility companies, SJCOG), AECOM will develop data request emails for the City team to send and will refer technical questions back to AECOM. As part of the data collection process, our teaming partner Fehr & Peers will coordinate with the City to review options for different travel demand models for estimating vehicle miles traveled (VMT). VMT estimates and forecasts will

include the vehicle travel associated with residents, workers, students, visitors, etc. engaged in activities that begin and end in the City of Stockton or the Stockton MSA. See call-out box **VMT Analysis Methods** for further details on Fehr & Peers' travel modeling approach. Results of this analysis will be documented in an Excel spreadsheet and brief memo describing the VMT analysis methodology.

We anticipate the inventories will be developed for calendar year 2022, pending data availability. We will develop the inventories in a custom Excel workbook that the City can update or expand upon for future inventories. The GHG workbook will be expanded to include the emissions projections results described in sub-task 5.2. Our team is also experienced in using ICLEI's ClearPath calculator to develop community GHG inventories (and projections) if the City has an ICLEI membership and would prefer that delivery method.

Task 5.2 GHG Emissions Projections

Based on the community-wide and MSA-wide GHG inventories, AECOM will develop GHG emissions projections for the near- and long-term (e.g., 2030 and 2050), aligning with Stockton's preferred GHG target years and consistent with the emissions projection approach in the City's 2014 CAP. Emissions will be projected under two scenarios – a "business-as-usual" scenario will show how emissions could change if no additional action is taken to curtail their growth, and an "adjusted business-as-usual" scenario will consider the potential impacts of primary regulations and programs. Projections will be made by sector, such as transportation and buildings.

To understand the future impact of the current regulatory environment on GHG emissions, we will collect information on primary state and/or federal regulations, such as California's Renewables Portfolio Standard or the federal Corporate Average Fuel Economy standards. We will limit regulatory considerations to those expected to be successfully implemented with a high degree of certainty (e.g., based on prior progress, existing implementation frameworks, etc.) to keep the forecasting scenario reasonably conservative for emissions analysis purposes.

In developing the GHG forecasts, we will collect growth indicators that are related to emissions activity in the GHG inventory, such as city and regional population and employment growth. We will also collect emissions forecasting inputs and assumptions from key regional partners, such as SJCOG. Forecasts for future VMT will be estimated using the same methodology as described in the VMT Analysis Methods call-out box and combined with vehicle emissions factors collected from the California Air Resources Board EMFAC emissions model. We will develop an emissions forecasting data needs list that identifies the growth indicators needed and assigns responsibility for

collection. Upon collecting the growth indicators, AECOM will develop emissions forecasts within the GHG inventory workbook to be used later in the GHG reduction scenario analysis.

Task 5.3 GHG Reduction Targets

Through this sub-task we will facilitate discussions with the City project team as part of the project's bi-weekly check-in meetings to establish economy-wide GHG reduction targets for the near- and long-term timeframes. Target setting discussions are often iterative and informed by the action development process, which will happen in parallel, to understand the City's and region's GHG reduction potential in each target year. We understand the targets must fit within the context of – and contribute to the achievement of – the state's GHG reduction goals. In addition to economy-wide targets, we will work with the City to develop goals for priority sectors such as building energy and mobile sources. These goals will be 'softer' targets based on the City's GHG reduction pathway described in Task 5.4 and can be used to support future policy and program development. We will develop a draft GHG targets memo based on City team and community input, and will review with the City in a virtual meeting.

As the project progresses and the set of action priorities comes into sharper focus, we will revisit the target context to adjust, as needed, and finalize the CCAAP targets. We will document the target discussions in a simple memorandum, including a draft near- and long-term target statement for review and confirmation with the project team, as well as recommendations for sector-specific GHG goals. We will share draft targets with the Project Collaborators and document discussion comments and recommended revisions within a final memo, parts of which can be included in the CCAAP.

Task 5.4 GHG Reduction Pathway and Initial Action Identification

Using our GHG reduction scenario model, our team will define a high-level pathway to achieve the City's draft GHG targets based on a set of strategies aligned with GHG emissions sources included in the inventory. Examples of strategies include:

- Improve non-residential building energy efficiency
- Electrify existing residential building appliances and equipment
- Reduce total vehicle miles traveled from passenger vehicles

Each strategy can be quantified to estimate its total GHG reduction potential based on implementation assumptions; a cumulative package of strategies represents a GHG reduction pathway for comparison against different GHG

targets. Implementation factors will influence the reduction pathway's feasibility (e.g., will existing building decarbonization be achieved through a local mandate or with a voluntary/incentive-based approach?).

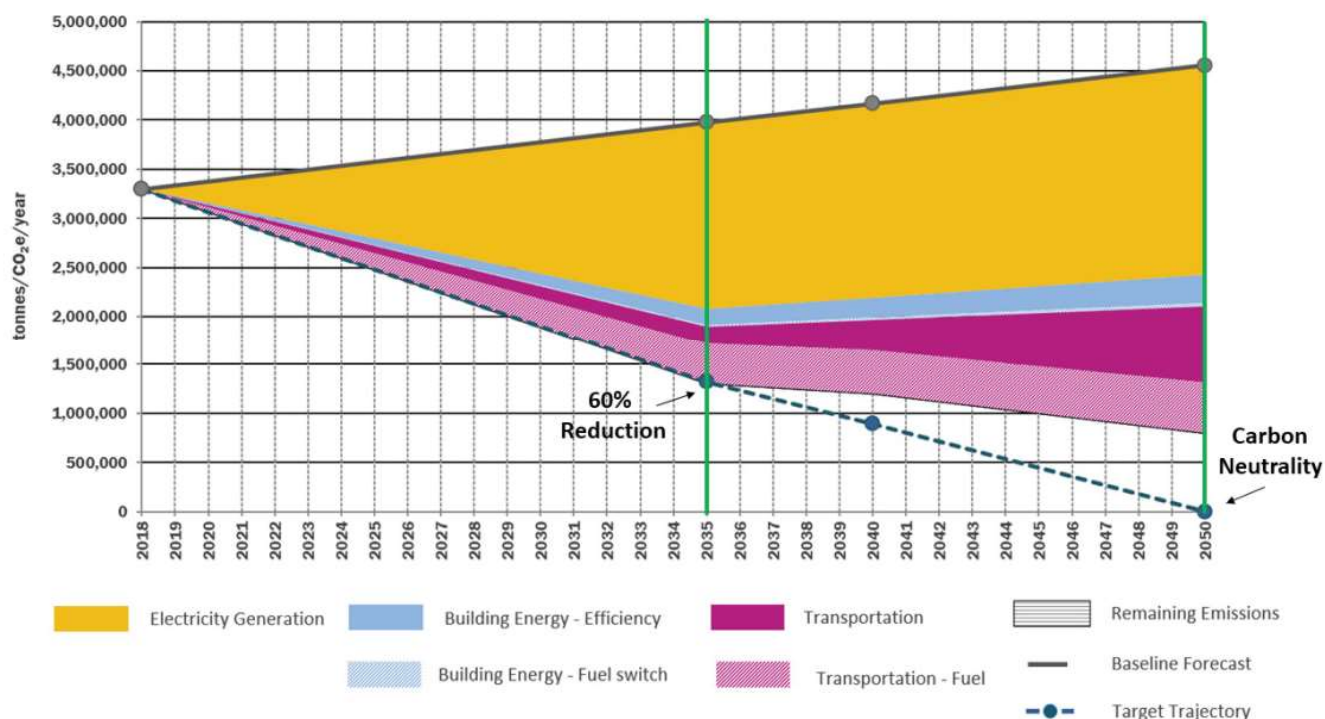
We will facilitate a virtual one-hour meeting with the City team to review the draft reduction pathway results and underlying assumptions and to discuss high-level action gaps, barriers, and solutions to inform the action development phase. During the meeting, we will also discuss results of the Task 2 Baseline Assessment with the City team and identify the primary departments that are likely to be responsible for new action implementation. We will incorporate the outcomes of this meeting to revise the GHG strategies, from which the CCAAP's draft actions will be defined.

AECOM will then develop an initial draft list of GHG reduction actions (up to 40) that contribute to the GHG reduction strategies. The initial list will be informed from the Task 2 Baseline Assessment matrix and can include actions that other cities have implemented or proposed, novel action ideas, and/or ideas from the City team and stakeholder and community outreach process. AECOM will organize the draft list of actions by the City departments that will lead action implementation. As part of this process, our partners Fehr & Peers will review the current Transit Plan that was developed for the 2014 CAP. This review will assess the goals and strategies of the Plan to determine their alignment with established best practices and identify the areas for improvement. Recommendations will be made to update the plan as it relates to VMT- and transit-related best management practices for consideration in the

draft action list.

AECOM will facilitate up to two virtual two-hour City department meetings to review and finalize a working draft list of actions prior to community input, action quantification, and/or further analysis. During these meetings, we will review the draft actions with the City departments responsible for action implementation to develop a refined list of feasible draft actions. City departments will identify the actions they have already implemented or are planning to implement, actions that are infeasible due to barriers (legislative, authoritative, political, etc.), and actions they can and would want to implement. During these meetings, department participants will also help to identify mechanisms for action implementation (e.g., permit streamlining, zoning code amendments, development bonuses, permitting requirements, etc.).

Following these meetings, the working draft list of actions will be shared for community feedback through the engagement approaches outlined in Task 3, including a community workshop, a climate survey, community events, and stakeholder interviews. The action list will include a mix of long-term, higher-level GHG reduction actions needed to achieve the CCAAP's GHG reduction targets and a set of near-term, implementation-ready opportunities identified from the PIFs distributed in Task 2. Based on City staff and community input, an updated list of approximately 40 PCAP actions will be advanced for the additional analysis required in the CPRG program guidelines.



GHG Reduction Pathway for the City of Miami Climate Action Plan.

Task 5.5 Quantified GHG Reduction Measures

The AECOM team will identify the appropriate tools to quantify GHG reduction potential of the PCAP action list. There are a wide range of publicly available resources and tools that can quantify GHG emission reductions, with some supporting a high-level, holistic evaluation of GHG reduction potential across sectors (e.g., EPA's Avoided Emissions and Generation Tool [AVERT], GLIMPSE), and others focusing on sector-specific calculations (e.g., EPA's Travel Efficiency Assessment Method [TEAM], Energy Savings and Impacts Scenario Tool [ESIST]). Other resources, such as CalEEMod and the CAPCOA Handbook for Assessing GHG Emission Reductions, Climate Vulnerabilities, and Health and Equity (December 2021) will also be incorporated into the analysis. In evaluating impacts from transportation actions, our partners Fehr & Peers will estimate a range of percentage VMT reductions using the TDM+ tool, to the extent feasible. This tool is based on the CAPCOA handbook, which identifies numerous travel demand management (TDM) strategies and quantifies their potential VMT reduction capability. Given the geographic area of this effort, we anticipate that some strategies will be selected and evaluated only for the City of Stockton, while others may be regional in nature. If appropriate, Fehr & Peers will also perform up to two model runs for applicable mitigation measures such as land use reallocation or major roadway capacity changes to quantify VMT reduction for those strategies.

We understand it is unlikely that any single tool can quantify the full range of climate actions considered in the CCAAP, and our team will select and use appropriate tools based on the measures to be evaluated, including the Climate Action for Urban Sustainability (CURB) Tool that AECOM developed for the World Bank.

We recognize that the level of detail will vary among the selected actions, which will inform what information is needed to estimate GHG reductions. In some instances, we may be able to leverage GHG reduction estimates from prior climate plans in the region. Most quantification tools will require assumptions about efficacy of the proposed actions (e.g., equipment installed, action uptake) and applicable emission factors. Once we identify the appropriate tools, our approach will define a list of inputs, closely coordinate with the City to develop underlying assumptions for the identified measures, and review quantification results with the City and Project Collaborators. We will document the process of quantifying GHG reduction measures in a brief memo.

As part of this task, we will develop a GHG action summary matrix and populate it with the GHG reduction estimates expressed as metric tons of carbon dioxide equivalent per year (MTCO₂e/yr). This summary table will be expanded with outcomes from the other technical analyses described in Task 6.

DELIVERABLES

- GHG data collection matrix (Final, Excel).
- GHG data request emails for City to distribute (Final, Word or email).
- Emissions growth indicators data needs list (Final, Excel).
- VMT analysis results in Excel spreadsheet with brief memo documenting VMT methodology (Draft and Final; Excel, Word and PDF).
- GHG inventory and forecasts workbook (Draft and Final, Excel).
- GHG targets memo (Draft and Final; Word and PDF).
- List of up to 40 GHG reduction measures (Draft and Final; Word).
- GHG action summary matrix with PCAP actions and corresponding emission reductions (Draft and Final; Excel).
- Technical memo on GHG reduction quantification methodology (Draft and Final; Word and PDF).

ASSUMPTIONS

- GHG reduction pathway purpose is to provide directional guidance that informs CAP action development and is based on order-of-magnitude quantification estimates.
- AECOM will utilize existing tools and will not develop any for this effort.
- The City will provide one round of review on draft deliverables, and will provide a single set of consolidated and adjudicated comments.

Action TR.7. Strengthen regional transit

Lead City Department	Key Partners	Time Frame Planning: 0-4 years	Time Frame Implementation: 18 years	Staff Support Required	Municipal Capital Cost	GHG Reduction	Climate Hazards Addressed	Co-Benefits
PWET CMO: Sustainability	Unitrans YCTD SacRT Amtrak							

GHG Reduction Potential: 2030: 1,800 MT CO₂e/yr 2040: 1,700 MT CO₂e/yr

Coordinate with regional transit agencies and cities to promote cohesive transit interconnections, including express buses to Woodland, West Sacramento, Sacramento, etc.

Example GHG Reduction Measure that includes an estimate of the quantified GHG reduction potential.

Task 6. Benefit and Impacts Analysis

This task includes three mandatory CPRG program elements that will be evaluated for the plan's GHG reduction measures, including benefit analysis, LIDAC benefit analysis, and workforce planning analysis. Our team has developed several multi-criteria evaluation frameworks to support climate action prioritization discussions and will leverage this experience in approaching the action benefit analyses in this task to set up a multi-criteria prioritization process in Task 8.

Per CPRG guidance, we generally anticipate evaluating the LIDAC benefits as part of the PCAP deliverable and then incorporating the community benefits analysis and workforce planning analysis in the CCAAP phase. We also propose including a broader assessment of action benefits in the PCAP phase to support community engagement discussions described in Task 3.

Task 6.1 Benefits Analysis

In conducting the EPA-required benefits analysis, we will leverage existing tools to efficiently quantify reductions of key co-pollutants (e.g., PM_{2.5}, NO_x, SO₂, VOCs) and establish a framework for qualitatively evaluating other climate action impacts, including costs and savings.

We will use the EPA's National Emissions Inventory (NEI) to develop the CPRG-required co-pollutant emissions base year inventory. We propose using a combination of the NEI, the City of Stockton and/or SJCOG travel demand models, and other resources, such as regional growth assumptions, to develop the co-pollutant business-as-usual projection against which the CCAAP estimated reductions can be compared. We will then use a combination of action impact analysis tools, as discussed in Task 5.5, to develop a replicable and transparent framework for quantifying co-pollutant reductions from the GHG reduction measures. For example, co-pollutant analysis for some measures can be quantified directly in the AVERT tool, while others could be calculated through a two-step process using the ESIST tool and then AVERT and/or Co-Benefits Risk Assessment Health Impacts Screening and Mapping tool (COBRA) for co-pollutant and public health impacts analysis, respectively.

We will supplement the co-pollutant reduction analysis with a qualitative evaluation of other climate action benefits. These can relate to topic areas such as: changes in public health outcomes (e.g., potential for reduced respiratory diseases and/or decreases in morbidity and/or mortality rates through air quality improvements or active transportation opportunities), level of stakeholder engagement, increased resilience (e.g., avoided physical damages), job and workforce development, and spending considerations, such as upfront costs and

lifecycle savings, among others to be reviewed with the City. To evaluate impacts related to household spending, we will leverage our recent work with the City of Davis analyzing the cost-effectiveness of various GHG mitigation measures, as well as our work with The Climate Center and City of San José, which consider lifecycle costs and savings. If there are significant benefits or disbenefits that may extend beyond the region, these will also be documented qualitatively.

We will solicit input from the City, Project Collaborators, and community members on priority action benefits that should be used to evaluate action impacts. Community input will be solicited at the first community workshop and climate survey (see Task 3). We will define a list of up to ten community benefits to be qualitatively evaluated and will combine it with the draft GHG actions and emissions reductions developed in Task 5. For each draft GHG action, we will provide a brief qualitative statement about the benefits that action provides relative to the selected benefits. This information will be used later in the action prioritization process (see Task 8).

DELIVERABLES

- Co-pollutant base year inventory and forecast (Draft and Final; Excel).
- Benefit analysis matrix with co-pollutant reduction estimates for each GHG reduction and other climate action benefits (Draft and Final; Excel).
- Technical memo outlining methodology and assumptions for co-pollutant reduction estimates and benefit analysis (Draft and Final; Word and PDF).

ASSUMPTIONS

- Up to ten (10) benefit criteria will be selected.
- The benefits analysis will use publicly available data and reports.
- The City will provide one round of review on draft deliverables, and will provide a single set of consolidated and adjudicated comments.

Task 6.2 Low Income / Disadvantaged Communities Benefits Analysis

As a region that is home to many underserved and disadvantaged communities, understanding the impacts of different emissions reduction strategies on these communities is especially important in the Stockton MSA. In accordance with CPRG guidelines, AECOM will use tools such as the Climate and Economic Justice Screening Tool (CEJST) and the Environmental Justice Screening and Mapping Tool (EJScreen), CDC's Social Vulnerability Index (SVI), and American Community Survey (ACS) data on poverty and other demographic variables to identify LIDACs. AECOM is conscious that these data sources do not provide a complete picture of community needs and may not accurately reflect specific populations such as undocumented immigrants.

To make the analysis as comprehensive and relevant as possible for disadvantaged communities, the AECOM team will supplement the quantitative analysis with input from stakeholders and ongoing feedback from the public and stakeholder engagement strategies in Task 3.

Like Task 6.1 and in accordance with the CPRG guidelines, the AECOM team will assess how GHG reduction measures benefit LIDACs across the full MSA. To the extent that specific location data are available, we will map GHG reduction measures to determine which fall within identified LIDACs and quantitatively assess likely GHG emissions and co-pollutant reductions. For measures without location data, we will qualitatively assess the expected direct and indirect benefits associated with the GHG reduction measures. We will also assess the proportion of benefits expected to accrue in the identified LIDACs compared to the total benefits resulting from the GHG reduction measures.

We will solicit input from the City, Project Collaborators, and community members on priority action benefits that should be used to evaluate action impacts in LIDACs. Evaluation criteria could include GHG reduction benefits as well as benefits to human welfare across various sectors, such as the economy (including jobs), buildings, energy use, transportation and land use, waste generation, water consumption, wastewater treatment, urban forestry, high global warming potential GHGs, and off-road vehicles. Community input will be solicited at the first community workshop and climate survey (see Task 3). We will define a list of up to ten (10) LIDAC benefits to be qualitatively evaluated, which could include the same criteria selected in Task 6.1. For each draft GHG action, we will provide a brief qualitative statement about the direct and/or indirect benefits that action provides to LIDACs. This information will be used later in the action prioritization process (see Task 8).

Stakeholder and community engagement will be critical for ground truthing this analysis, which will in turn support the action prioritization process in Task 8. As part of Final Plan Development (Task 10), AECOM will update the LIDAC benefits analysis to reflect new data or considerations.

DELIVERABLES

- Table listing LIDACs identified in Stockton MSA (Draft and Final; Word).
- LIDAC benefit analysis matrix with GHG and co-pollutant reduction estimates, as available (Draft and Final; Excel).
- Technical memo summarizing the analyses, including identification of LIDACs in the MSA, qualitative matrix evaluating benefits to LIDACs (including maps, if relevant), summary of outreach and engagement in LIDACs (Draft and Final; Word and PDF).

ASSUMPTIONS

- The City will provide one round of review on draft deliverables, and will provide a single set of consolidated and adjudicated comments.

Task 6.3 Workforce Planning Analysis

AECOM has led several studies related to labor vulnerability and workforce development planning as it relates to preparing for a decarbonized future. Based on the measures identified in the CCAAP, AECOM will identify industries and occupations that will be in high demand to implement GHG reduction actions. We will evaluate current and projected occupational growth to identify where growth is expected, where decline is expected, where there may be gaps in labor supply, the quality of the jobs created, and the specific skillsets that will be needed.

Building off previous studies to be confirmed by AECOM and City team, AECOM will conduct targeted research and analysis to identify workforce needs, opportunities, and challenges, particularly as they relate to the “green transition.” We will also conduct a landscape analysis of existing workforce development agencies, trade associations, unions, and local educational institutions that provide training and upskilling programs, with a particular focus on those that support jobs that are expected to be impacted by the “green transition.” We will conduct up to five (5) one-hour virtual interviews with these programs to understand challenges and opportunities related to capacity, curriculum development, and partnerships.

DELIVERABLES

- Workforce development assessment memo (Draft and Final; Word and PDF).
- Interview guide (Draft and Final; PDF).

ASSUMPTIONS

- The City will provide one round of review on draft deliverables, and will provide a single set of consolidated and adjudicated comments.

Task 6.4 Analysis of Intersection with Other Funding Availability

Based on the CPRG’s CCAP requirements, AECOM will investigate sources of funding from federal and state agencies that can potentially support the proposed GHG reduction measures, especially grants and loans made available through the Bipartisan Infrastructure Law (BIL) and Inflation Reduction Act (IRA). The Department of Energy, Department of Transportation, and EPA offer many promising grant programs aligned with sustainable transit-oriented development, decarbonization of buildings and the electric

grid, electric vehicle adoption, and renewable energy. The team will also examine how recurring sources of federal funding available to the City and partner jurisdictions, such as the Community Development Block Grant (CDBG), the Community Services Block Grant (CSBG), and multiple transportation formula funds, may be able to support GHG reduction measures. Emissions reductions measures with multiple potential funding sources will be noted.

DELIVERABLES

- Technical memo describing applicable funding sources for the CCAAP's proposed GHG reduction measures (Draft and Final; Word and PDF).

ASSUMPTIONS

- The City will provide one round of review on draft deliverables, and will provide a single set of consolidated and adjudicated comments.

Task 6.5 Review Authority to Implement Actions

Successful implementation of the CCAAP actions will require coordination across regional, sub-regional, and local levels of government and identification of statutory and regulatory barriers across the region. To efficiently analyze authority to implement across jurisdictions, AECOM will first classify actions by type (e.g., building code updates, education and outreach initiatives, planning/zoning requirements, renewable energy investments, etc.). AECOM will then develop a matrix of intervention categories and any statutory or regulatory gaps at the state and local government level. To populate the matrix, we will incorporate information from other published PCAPs, review previous plans and studies that identify barriers, and incorporate input from the City team. Results from the authority analysis will be incorporated into the draft action summary matrix (Task 8.1) and the review process and results will be summarized in the CCAAP document.

DELIVERABLES

- Matrix for each action identifying its action type, intervention category, statutory or regulatory gap, and implementation authority evaluation (Draft and Final; Excel)

Task 7. Draft Plan Development (Priority Climate Action Plan)

The AECOM team will develop the PCAP using non-technical and approachable language accessible for residents with varying levels of knowledge around climate action. The PCAP will summarize the community engagement process and

technical planning work completed to date related to GHG emissions and climate vulnerability, with technical memos developed for prior tasks included as appendices.

We anticipate the PCAP will serve as the initial draft of the CCAAP and will include all content to be presented in the Final CCAAP, excluding the Action Implementation Plans, which will be developed after the PCAP's initial nine-month timeframe. The PCAP will describe the:

- Planning process overview and alignment with other City of Stockton plans;
- Community engagement process and outcomes;
- Greenhouse gas inventory, projections, and targets;
- Climate vulnerability assessment outcomes;
- Action development process and draft climate actions; and
- Action impacts, including GHG reductions, and results from the community and LIDAC benefits analyses, workforce planning analysis, and review of authority to implement.

AECOM will develop an annotated PCAP outline for the City project team review and comment prior to developing the full PCAP document. We will provide an internal PCAP draft to the City project team for review, discussion, and refinement prior to releasing a public-ready PCAP deliverable. We envision the PCAP as an interim deliverable on the path toward the final CCAAP. As such, it will be developed in a simple Word layout and shared publicly on the CCAAP website to support community engagement discussions during the CCAAP development phase, though we do not anticipate this to be a formal 30-day public review period.

We anticipate the City team may want consultant support in presenting the PCAP or Public Review Draft CCAAP to City Council for initial comments prior to the Final CCAAP adoption hearing. AECOM will attend one City Council meeting, and will be prepared to support the City project team in presenting the PCAP or draft version of the CCAAP, as needed. This could include developing a PowerPoint slide deck, delivering a short project presentation, and/or answering Council's technical questions.

DELIVERABLES

- PCAP annotated outline (Draft and Final; Word).
- PCAP written in user-friendly, non-technical language, with technical appendices (Draft and Final; Word and PDF).
- City Council meeting project slide deck (Draft and Final; PPT).



Action Selection and Prioritization (ASAP) tool illustrating co-benefits performance.

ASSUMPTIONS

- The PCAP will be laid out in MS Word with light graphic formatting to facilitate easier review and editing before the CCAAP is finalized in Task 10.
- Action Implementation Roadmaps will be developed in Task 9, following PCAP development, and will be included as a technical appendix in the Final CCAAP.
- The PCAP will be shared on the CCAAP website but would not include a formal 30-day comment period; the Public Review Draft CCAAP would include a formal comment period to be defined with the City team.
- Up to two (2) AECOM team members will join an in-person City Council meeting.
- City staff will prepare the City Council meeting packets.
- The City will provide one round of review on draft deliverables, and will provide a single set of consolidated and adjudicated comments.

Our team has developed several multi-criteria evaluation frameworks to support climate action prioritization, including the [Action Selection and Prioritization \(ASAP\) tool](#) developed for C40 Cities, a recent project with the Tennessee Department of Transportation to support its federally mandated Carbon Reduction Strategy, and adaptation projects including the City of Davis CAAP. We will leverage these examples in developing a customized action prioritization approach for Stockton.

Task 8.1 Develop Consolidated Set of Climate Actions

AECOM will incorporate outcomes of the preceding action identification and impact analyses from Tasks 4-6 into an action summary matrix. GHG reduction and adaptation actions will be listed separately, with actions shown as rows and pertinent information provided in columns, such as emissions sector or climate hazard addressed, GHG and co-pollutant reductions, benefits, LIDAC benefits, workforce impacts, authority to implement (see Task 6.5), and other action evaluation criteria selected (see Task 8.2).

Task 8. Action Prioritization

This task consolidates technical analysis from previous tasks into a set of draft climate actions and their corresponding benefit and impact analyses. Two prioritization processes will then occur on this set of draft climate actions:

- Community Action Implementation Priorities:** a prioritization process will be conducted to develop a community-defined implementation phasing approach that provides guidance to the City on which actions should be pursued immediately and which can follow along later.
- Implementation Plan Priorities:** a prioritization process will be conducted with City staff and other regional partners to select a sub-set of climate actions for which implementation plans will be developed.

Task 8.2 Community Action Prioritization

AECOM will facilitate a multi-criteria evaluation process to support the City and community in balancing different considerations when selecting priorities for climate action implementation. We will work with the City and community members through the stakeholder engagement activities described in Task 3 to define a list of prioritization criteria against which the list of climate actions will be evaluated.

These criteria could include measure benefit and implementation aspects, such as GHG reductions, climate risk reduction, benefits to LIDACs (informed by Task 6.2), cost-effectiveness, and funding availability. Criteria can also be selected to reflect other community priorities

identified through the first climate survey and workshop and other engagement activities. Evaluation criteria may differ between GHG reduction and adaptation actions; adaptation evaluation criteria could include asset vulnerability, presence of disadvantaged or low-income communities, or potential to achieve other co-benefits (e.g., access to recreation, public health, etc.).

We will incorporate the selected evaluation criteria into the action summary matrix developed in Task 8.1 and will qualitatively evaluate the draft list of actions against the selected criteria. We will review initial outcomes with the City project team before sharing publicly at the second community workshop (see Task 3) to collect input on how residents want to see actions prioritized for implementation phasing into immediate, medium-, and longer-term opportunities. The results of these community discussions will be incorporated into the final CCAAP document.

Task 8.3 Implementation Plan Prioritization

AECOM will facilitate a meeting with City staff and other relevant regional partners to select 20 actions [e.g., 14 mitigation and six (6) adaptation] for implementation plan development described in Task 9. The actions selected will not necessarily align with the community action prioritization list in Task 8.2; implementation plans are best suited for more challenging actions where City staff need additional support in defining an implementation process.

DELIVERABLES

- CCAAP action summary matrix (Draft and Final; Excel).
- Community climate action implementation priorities (Final; Word).
- Implementation plan prioritization list with 20 actions (Final; Word).

ASSUMPTIONS

- Action prioritization matrix will include up to ten (10) evaluation criteria.
- The City will provide one round of review on draft deliverables, and will provide a single set of consolidated and adjudicated comments.

Task 9. Implementation Plan Development

Climate action and adaptation plans can sometimes be critiqued for failing to provide enough detail on proposed actions to enable implementation. We are a team that is driven by a collective goal to see climate action planning efforts become a reality.

AECOM will collaborate with the City project team to develop

a common implementation roadmap template that we will populate for the 20 actions [e.g., 14 mitigation and six (6) adaptation] identified in Task 8.3. Based on our recent experience, the template would likely include project attributes such as:

- implementation time frame,
- lead implementor and supporting partners,
- implementation steps,
- operational considerations,
- regulatory requirements,
- high level cost estimate ranges,
- intersection with funding opportunities, and
- metrics to track progress.

AECOM will facilitate up to six (6) one-hour working meetings with City department staff, regional partners, and others as needed, to complete the draft roadmaps. We will provide the full set of roadmaps to the City team and Project Collaborators for review and will incorporate one consolidated and adjudicated set of comments into the final roadmaps that can be included as an appendix to the Final CCAAP.

DELIVERABLES

- Implementation roadmap template for 20 prioritized actions (Draft and Final; Word).
- 20 completed implementation roadmaps (Draft and Final; Word and PDF).

ASSUMPTIONS

- City staff input will be needed to complete the implementation roadmaps; AECOM will facilitate discussions with City department staff and other stakeholders through up to six (6) one-hour virtual meetings.
- The City will provide one round of review on draft deliverables, and will provide a single set of consolidated and adjudicated comments.

Task 10. Final Plan Development

Task 10.1 Public Review Draft CCAAP

Based on the City project team review of the PCAP, AECOM will incorporate one consolidated and adjudicated set of City comments to develop the Public Review Draft CCAAP. We will provide a web-ready PDF of the Public Review Draft to publish on the CCAAP website and anticipate a 30-day public review period. We will provide a simple CCAAP review comment form for the City to provide with the Public Review Draft to facilitate and standardize the commenting process. We anticipate the City project team will review and adjudicate public comments received into a consolidated set of revisions for AECOM to incorporate into the Draft Final CCAAP. Our team will facilitate

a virtual meeting with the City project team to resolve public comments that might require further internal discussion and will summarize outcomes in a brief memo.

During the public comment period, AECOM will facilitate a two-hour virtual meeting with the Project Collaborators to hear and discuss their comments on the draft plan. Following the meeting, we will submit a short summary of the plan revisions we heard from Project Collaborators to the City project team for its review and confirmation.

Task 10.2 Draft Final CCAAP

AECOM will incorporate public review comments into a Draft Final CCAAP for City project team review prior to moving the document into graphic layout. We will meet with the City team and the Project Collaborators to discuss each group's final consolidated set of revisions to the plan.

Task 10.3 Final CCAAP

AECOM will incorporate Draft Final plan comments into the Final CCAAP and move the document into InDesign for graphic layout; alternatively, we can make graphic improvements to the plan in a Word file format. The Final plan will be well-organized for easy navigation and graphically rich, incorporating use of photographs, infographics, and well-designed charts and figures to tell Stockton's climate action planning story.

AECOM will attend the City Council adoption hearing for the Final CCAAP and will be prepared to support the City project team in presenting the final plan, as needed. This could include developing a PowerPoint slide deck, delivering a short project presentation, and/or answering Council's technical questions.

Task 10.4 Final CCAAP Launch Event

Following City Council adoption of the Final CCAAP, AECOM will participate in a public CCAAP launch event organized by the City and its non-profit partners. The event will be a public celebration to informally review the Final CCAAP and kickoff plan implementation. We anticipate the CCAAP will have ample opportunity for community-led action to advance the City's ambitious climate actions, and this event can be useful to begin defining a framework for City-community collaboration moving forward. AECOM will join two (2) virtual event brainstorming meetings with the City project team and non-profit partners to define the overall event structure and discuss ways to solicit input from participants on future implementation collaboration opportunities.

DELIVERABLES

- Public Review Draft CCAAP as web-ready PDF document (Final; Word and PDF).
- CCAAP review comment form (Draft and Final; Word).
- Summary of Climate Action Plan Advisory Committee Public Review Draft comments (Final; Word).
- Draft Final CCAAP (Final; Word and PDF).
- Final CCAAP (Final; INDD or Word and PDF).
- City Council adoption hearing project slide deck (Draft and Final; PPT).

ASSUMPTIONS

- The City will provide one round of review on draft deliverables, and will provide a single set of consolidated and adjudicated comments.
- Public Review Draft CCAAP and CCAAP review comment form will be posted on CCAAP website for 30-day review period.
- City will review and adjudicate public comments into one consolidated set of revisions for the Draft Final CCAAP.
- City team will provide a photo library or zip file with images from Stockton to be incorporated throughout the Final CCAAP document.
- City will perform CEQA review for CCAAP.
- AECOM will participate in up to two (2) virtual CCAAP launch event brainstorming discussions with City and non-profit partner teams with up to two (2) team members.
- Up to two (2) AECOM team members will attend the City Council adoption hearing and will attend the in-person CCAAP launch event.
- City staff will prepare the City Council meeting packets.



An example of a report designed by AECOM.

Task 11. Status Report

AECOM will develop a draft Status Report template for review and revision with the City project team. The Status Report template can be used to provide regular and consistent updates to community members, City Council, and other partners on how Stockton is progressing on its climate actions. Based on the agreed upon template, we will develop up to two (2) Status Reports during the project performance period with timing to be confirmed with the City project team.

We anticipate the Status Report will be organized to provide updates on CCAAP action implementation, and will provide analysis and updates of the following topics:

- Qualitative implementation status description of GHG reduction and climate adaptation measures,
- Changes in GHG inventory activity data, as available (e.g., electricity and natural gas use, community vehicle miles traveled, solid waste disposed),
- High-level outline of next steps and future budget and staffing needs to continue action implementation.

In developing the Status Reports for this project, AECOM will host virtual interviews with City and agency staff responsible for action implementation and collect the newest available activity data related to GHG inventory emissions sources.

DELIVERABLES

- Status Report template (Draft and Final; Word).
- Status Report #1 (Draft and Final; Word and web-ready PDF).
- City Council meeting slide deck summarizing Status Report #1 (Draft and Final; PPT).
- Status Report #2 (Draft and Final; Word and web-ready PDF).
- City Council meeting slide deck summarizing Status Report #2 (Draft and Final; PPT).

ASSUMPTIONS

- City staff will prepare the City Council meeting packets.
- The City will provide one round of review on draft deliverables, and will provide a single set of consolidated and adjudicated comments.

results. Based on the RFP published March 20, 2024, task language, we propose ASHRAE Level 2 audits for the Tier 1 and Tier 2 facilities identified. Our team has recently delivered ASHRAE Level 2 audits for the County of Santa Clara, Los Angeles Community College District, and San Diego Gas and Electric.

We will develop ASHRAE Level 2 energy audits to identify energy saving opportunities from energy efficiency, electrification, and grid interactivity retrofits, which can result in energy performance and operational savings from assets including HVAC systems and equipment, lighting and control systems, and building envelopes.

Based on our recent experience, including with the Western Riverside Council of Governments, we recommend that the City also consider evaluating energy resilience opportunities to support sustainment of critical operations and would be happy to discuss the benefits and approach to this additional analysis as part of finalizing the scope of work for this task.

AECOM team members will perform on-site energy audits of each facility and will summarize audit results in a memo that outlines the potential energy savings opportunities from energy efficiency improvements. The memo will include technical and financial information to help City staff evaluate opportunities identified.

DELIVERABLES

- Written report following standard ASHRAE Level 2 energy audit guidelines (Draft and Final; PDF).

ASSUMPTIONS

- AECOM will follow ASHRAE Standard 211 for Commercial Energy Audits
- Maximum of one-day (1) site visit for every two (2) buildings to be audited, with a total of 27 individual buildings to be included; we assume audits for the Arnold Rue and Van Buskirk community centers will include the Arnold Rue and Van Buskirk micro-libraries included within the respective community centers.
- Cost estimates will be Rough Order of Magnitude and based on AACE level 5.
- Energy savings will be estimated using Microsoft Excel-based calculators.
- AECOM will rely on accuracy of data provided by the City.
- Fee is based on assumption of 450,000 total square feet of facility space to be audited; fee will be finalized following confirmation of total square footage of facilities to be audited.
- The City will provide one round of review on draft deliverables, and will provide a single set of consolidated and adjudicated comments.

Optional Task 1: Building Energy Assessments, Energy Audits, & Building Upgrades

AECOM's High Performance Buildings + Communities team is experienced in performing building energy audits and making energy efficiency improvement recommendations from audit

CCAAP Workplan & Preliminary Project Timeline		2024							2025												2026												2027			
		Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Activity		Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Task 1	Project Administration & Collaboration		SU	★			★			★			★			★			★			★			★											
Task 2	Baseline Assessment																																			
Task 3	Stakeholder & Community Engagement																																			
	Engagement Plan																																			
	Meetings / Events / Interviews																																			
	Communtiy Workshops and Climate Action Surveys																																			
Task 4	Climate Vulnerability & Risk Assessment																																			
Task 5	GHG Inventory, Emissions Projections, & Measures																																			
Task 6	Benefits & Impact Analysis																																			
Task 7	Draft Plan (PCAP) Development																																			
Task 8	Action Prioritization																																			
Task 9	Implementation Plan Development																																			
Task 10	Final Plan Development																																			
Task 11	Status Report																																			
Optional Task 1	Building Energy Assessment, Energy Audits, & Building Upgrades																																			

EXHIBIT 1
Exhibit F

Key

SU	Start-up Meeting
★	Project Collaborator's Meeting
PR	Public Review Draft Plan
DF	Draft Final Plan
F	Final Plan