



AD HOC COMMITTEE ON SUSTAINABILITY

March 23, 2015

11:00 A.M.

651 Pine Street, Room 101, Martinez

Supervisor John Gioia, Chair

Supervisor Federal D. Glover, Vice Chair

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|--------------------------|--|
| Agenda Items: | Items may be taken out of order based on the business of the day and preference of the Committee |
|--------------------------|--|

1. Introductions
2. Public comment on any item under the jurisdiction of the Committee and not on this agenda (speakers may be limited to three minutes).
3. ACCEPT the report on the Greenhouse Gas Reduction Fund Programs and provide direction to staff, as needed.
4. ACCEPT the report on the status of the County Climate Action Plan; DIRECT staff to convene the Interdepartmental Working Group; and provide direction as needed.
5. ACCEPT the report on the establishment of a County Sustainability Coordinator within the Department of Conservation and Development (DCD) and provide direction to staff, as needed.
6. The next meeting is not currently scheduled. This meeting is Ad Hoc and does not have a set meeting schedule.
7. Adjourn

The Ad Hoc Committee on Sustainability will provide reasonable accommodations for persons with disabilities planning to attend Ad Hoc Committee on Sustainability meetings. Contact the staff person listed below at least 72 hours before the meeting.

Any disclosable public records related to an open session item on a regular meeting agenda and distributed by the County to a majority of members of the Ad Hoc Committee on Sustainability less than 96 hours prior to that meeting are available for public inspection at 651 Pine Street, 10th floor, during normal business hours.

Public comment may be submitted via electronic mail on agenda items at least one full work day

prior to the published meeting time.

For Additional Information Contact:

Lara De Laney, Committee Staff
Phone (925) 335-1097, Fax (925) 646-1353
lara.delaney@cao.cccounty.us



Contra Costa County Board of Supervisors

Subcommittee Report

AD HOC COMMITTEE ON SUSTAINABILITY

Meeting Date: 03/23/2015
Subject: County Opportunities for Greenhouse Gas Reduction Funds
Submitted For: Supervisors John Gioia and Federal D. Glover,
Department: County Administrator
Referral No.: 2015-01
Referral Name: County Opportunities for Greenhouse Gas Reduction Funds
Presenter: Kara Douglas **Contact:** Kara Douglas, (925) 674-7880

Referral History:

This item is brought to the first meeting of the Ad Hoc Committee by staff of the Department of Conservation and Development, in consideration of the subject matter purview of the committee.

Referral Update:

The Greenhouse Gas Reduction Fund (GGRF) was established in 2012 by AB 1532 (J. Pérez), SB 535 (de León), and SB 1018 (Budget and Fiscal Review Committee). The GGRF receives Cap-and-Trade auction proceeds and defines how the auction proceeds are administered.

The FY 2015 State budget projects \$872 million in Cap-and-Trade revenues. Once transportation fuels come under the cap in 2015, the GGRF is projected to administer \$2.5 billion to \$5 billion annually from Cap-and-Trade auction revenue.

Greenhouse Gas Reduction Fund Programs

There are three broad investment categories for the GGRF: Sustainable Communities and Clean Transportation; Energy Efficiency and Clean Energy; and Natural Resources and Waste Diversion. Within those categories, there are 12 different initiatives, which are being implemented by 12 different State agencies. (*See Attachment A* and <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/ggrfprogrampage.htm> for more information.)

A portion of the funds must be used to benefit disadvantaged communities. The percentage for each program ranges from 0 to 100 percent.

Potential Contra Costa Benefits

Several programs may benefit Contra Costa County through investments in transportation improvements, housing, energy efficiency, resource preservation, and waste diversion. These programs include:

- Low Carbon Transit Operations Programs – Fund administer by Caltrans and allocated to local agencies with 50 percent for disadvantaged communities
- Affordable Housing and Sustainable Communities – Fund administered by Strategic Growth Council and member agencies. Applicants may be developers or local agencies. Fifty percent of the funds are to benefit disadvantages communities.
- Weatherization Upgrades/Renewable Energy – Fund administered by Community Services Department and granted to localities with 100 percent of the funds for disadvantaged communities.
- Energy Efficiency in Public Buildings – Fund administered by the Energy Commission. The most likely use of this fund will be energy efficiency improvements in the University of California, California State University and courts.
- Water Action Plan – Wetlands and Watershed Restoration– Fund administered by Fish and Game. This program will focus on the Sacramento-San Joaquin Delta and Coastal Wetlands, and mountain meadows ecosystems.
- Waste Diversion – Fund administered by CalRecycle. Funds will be allocated to waste management companies.

Two of the above programs have a statutory requirement to benefit disadvantaged communities: Low Carbon Transit Operations; and Affordable Housing and Sustainable Communities.

The Contra Costa disadvantaged communities include portions of the following cities and communities: Richmond, North Richmond, Rodeo, Martinez, Pittsburg, Antioch, and Oakley. (See Attachment B.)

Recommendation(s)/Next Step(s):

REVIEW the programs identified in the report and DIRECT staff to provide additional information at a future meeting.

Attachments

Attachment A

Attachment B

Status of FY2013-14 and FY2014-15 Greenhouse Gas Reduction Fund Appropriations (as of 1-30-2015)

| Agency / Program | Appropriations | | Program Categories Identified by Implementing Agencies | Agency Allocation of Funds by Project (\$M) | Expenditure Record | Type of Award Process | Program Guidelines | Solicitation of Proposals | Award of Funding |
|--|----------------|---------------|---|---|--------------------|---|--------------------|---------------------------|------------------|
| | 2013-14 (\$M) | 2014-15 (\$M) | | | | | | | |
| High Speed Rail (HSRA) Construction of the initial construction segment in the Central Valley and further environmental and design work on the statewide system. The Budget also provides an ongoing commitment that allows for the advancement of the project on multiple segments concurrently, which yields cost savings and creates an opportunity for earlier potential private sector investment. | | \$59 | Planning/Design | \$59 | Complete | State Implemented | N/A | N/A | N/A |
| | | \$191 | Right-of-way acquisition and construction of Initial Operating Segment | \$191 | | | | | |
| Transit and Intercity Rail Capital Program (CalSTA) Competitive grant program for rail and bus transit operators for capital improvements to integrate state and local rail and other transit systems, including those located in disadvantaged communities, and those that provide connectivity to the high-speed rail system. | | \$25 | Connectivity to existing/future rail and transit systems | \$25 | | Competitive | Feb 2015 | Feb-Apr 2015 | August 2015 |
| | | | Increase service and reliability of rail and transit | | | | | | |
| | | | Encourage multi-modal transit via integration of transit and rail systems | | | | | | |
| Low Carbon Transit Operations Program (Caltrans to local agencies) Support new or expanded bus and rail services, with an emphasis on disadvantaged communities. Expenditures are required to result in an increase in transit ridership and a decrease in GHG emissions. | | \$25 | New/expanded bus or rail services or expanded intermodal transit facilities | \$25 | Submitted | Formula based list of acceptable projects | Dec 2014 | Feb 2015-April 2015 | June 2015 |
| | | | Service or facility improvements, e.g. equipment, fueling, and maintenance, and operation | | | | | | |
| Affordable Housing and Sustainable Communities (SGC and member agencies) Implementation of sustainable communities strategies required by SB 375, and to provide similar support to other areas with GHG reduction policies, but not subject to SB 375 requirements. Projects that benefit disadvantaged communities will be given priority. Also, projects will reduce GHG emissions by increasing transit ridership, active transportation (walking/biking), affordable housing near transit stations, preservation of agricultural land, and local planning that promotes infill development. | | \$130 | Transit-oriented development, e.g. affordable housing near transit | \$125 | | Competitive | Jan 2015 | Jan-Apr 2015 | June 2015 |
| | | | Transit capital projects | | | | | | |
| | | | Active transportation/complete streets | | | | | | |
| | | | Agricultural land preservation | \$5 | | | | | |
| Low Carbon Transportation (ARB) Accelerate the transition to low carbon freight and passenger transportation, with a priority for disadvantaged communities. This investment will also support the Administration's goal to deploy 1.5 million zero-emission vehicles in California by 2025. ARB administers existing programs that provide rebates for zero-emission cars and vouchers for hybrid and zero-emission trucks and buses. These expenditures will respond to increasing demand for these incentives, as well as provide incentives for the pre-commercial demonstration of advanced freight technology to move cargo in California, which will benefit communities near freight hubs. | \$20 | \$111 | Passenger ZEV rebates | \$131 | Complete | First-Come First-Served | N/A | Ongoing | Ongoing |
| | \$10 | \$5 | Heavy duty hybrid/ZEV trucks and buses | \$15 | | First-Come First-Served | | Ongoing | Ongoing |
| | | \$50 | Freight demonstration projects | \$50 | | Competitive | | Spring 2015 | June 2015 |
| | | \$9 | Light Duty Pilot projects in disadvantaged communities (e.g. car sharing, financing.) | \$9 | | Competitive | | Spring 2015 | June 2015 |
| | | \$25 | Truck and bus pilot projects in disadvantaged communities | \$25 | | Competitive | | Spring 2015 | June 2015 |
| | | | | | | | | | |

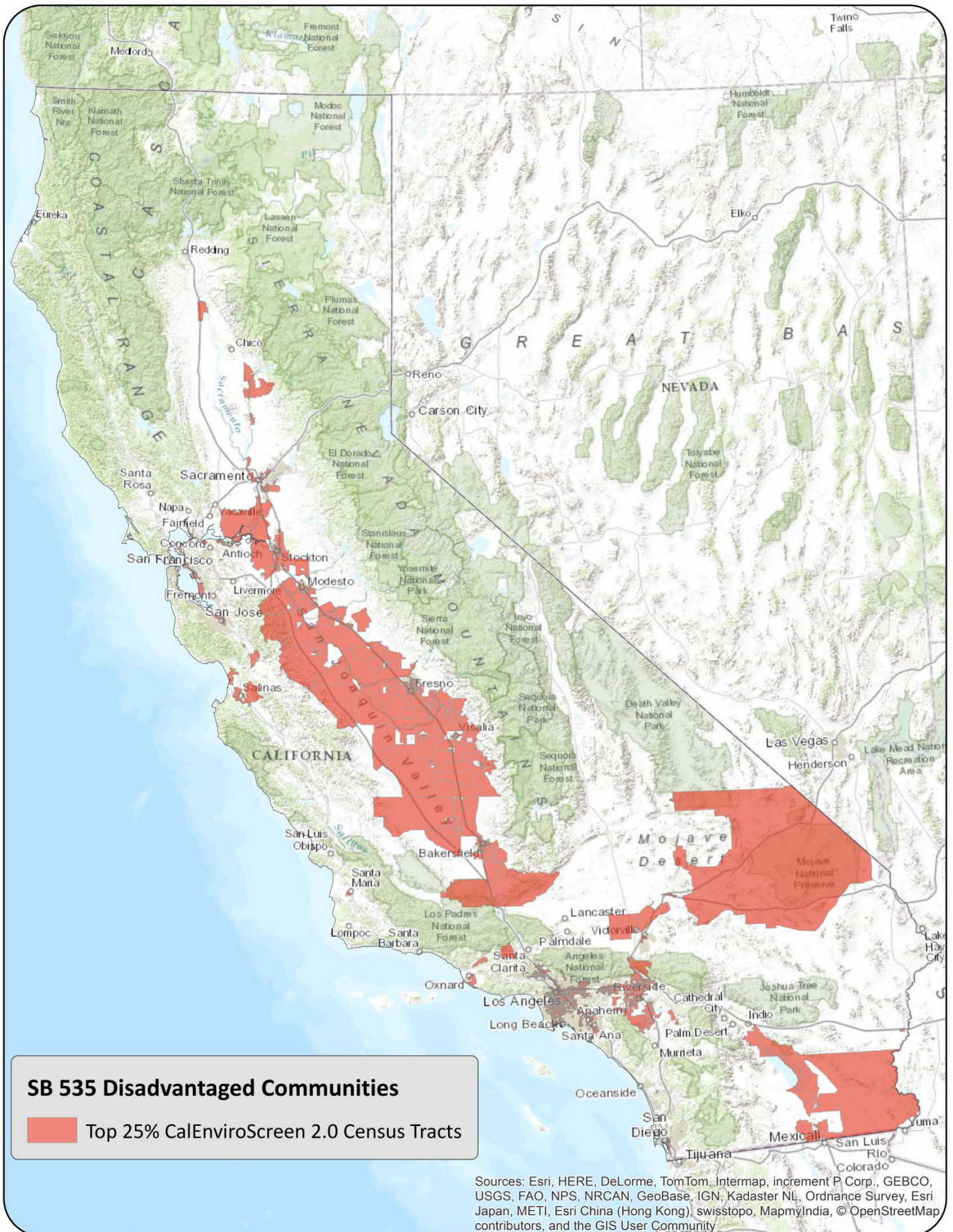
Status of FY2013-14 and FY2014-15 Greenhouse Gas Reduction Fund Appropriations (as of 1-30-2015)

| Agency / Program | Appropriations | | Program Categories Identified by Implementing Agencies | Agency Allocation of Funds by Project (\$M) | Expenditure Record | Type of Award Process | Program Guidelines | Solicitation of Proposals | Award of Funding |
|--|----------------|---------------|--|---|--------------------|----------------------------|-------------------------------------|---------------------------|------------------|
| | 2013-14 (\$M) | 2014-15 (\$M) | | | | | | | |
| Weatherization Upgrades/Renewable Energy (CSD) Installation of energy efficiency and renewable energy projects in single and multifamily low-income housing units within disadvantaged communities. Weatherization measures typically include weather-stripping, insulation, caulking, water heater blankets, windows, refrigerators electric water heaters and heating and cooling systems. Renewable measures include installation of solar water heater systems and photovoltaic systems. | | \$75 | Single-family weatherization and solar hot water heating | \$75 | Complete | Existing Service Providers | Jan 2015 | N/A | March 2015 |
| | | | Multi-family weatherization | | | Competitive | June 2015 | Feb-Mar 2015 | June 2015 |
| | | | Solar Photovoltaics | | | Competitive | Jan 2015 | August 2014 | February 2015 |
| Energy Efficiency in Public Buildings (CEC) Energy efficiency and energy generation projects in public buildings, including the University of California, the California State University, and courts. Energy savings projects will include lighting systems, energy management systems and equipment controls, building insulation and heating, ventilation, and air conditioning equipment. | | \$20 | Building retrofits for energy efficiency | \$20 | | First-Come First-Served | N/A | March 2015 | July 2015 |
| | | | Energy generation | | | | | | |
| Agricultural Energy and Operational Efficiency (CDFA) Projects that reduce GHG emissions from the agriculture sector by capturing greenhouse gases, harnessing greenhouse gases as a renewable bioenergy source, improving agricultural practices and promoting low carbon fuels, agricultural energy, and operational efficiency. | \$10 | \$15 | Water use efficiency | \$10 | JLBC Notice | Competitive | Fall 2014 (1 st Round) | Aug-Sept 2014 | Oct 2014 |
| | | | | | | | Winter 2014 (2 nd Round) | Oct-Dec 2014 | Jan 2015 |
| | | | Dairy digesters | \$12 | Complete | Competitive | Jan 2015 | Jan-Feb 2015 | June 2015 |
| | | | Alternative and renewable fuels | \$3 | Complete | State Implemented | N/A | N/A | N/A |
| Water Action Plan - Water-Energy Efficiency (DWR) Funding for grants that support water use efficiency and conservation projects, and leak detection and repair projects that reduce GHG emissions, with additional consideration given to disadvantaged communities. The funding will also support projects at the Thermalito and Hyatt State Water Project facilities. | \$30 | | Efficient hydro energy turbines | \$10 | | State Implemented | N/A | N/A | N/A |
| | | | Water conservation & efficiency grants | \$20 | JLBC Notice | Competitive | Oct 2014 | Oct-Dec 2014 | April-May 2015 |
| Water Action Plan - Wetlands and Watershed Restoration (DFW) Implement projects that provide carbon sequestration benefits, including restoration of wetlands (including those in the Delta), coastal watersheds and mountain meadows. | | \$25 | Delta coastal wetlands | \$25 | Submitted | Competitive | Nov 2014 | Nov 2014 | March 2015 |
| | | | Mountain meadows | | | | | | |
| | | | Water efficiency on DFW lands | | | | | | |
| Sustainable Forests (CAL FIRE) Urban forests in disadvantaged communities and forest health restoration and reforestation projects that reduce wildfire risk and increase carbon sequestration. These expenditures will enhance forest health and reduce fuel loads in light of climate change increasing wildfire intensity and damage. | | \$42 | Forest Legacy | \$24 | Submitted | Competitive | October 2014 | Oct 2014-Mar 2015 | August 2015 |
| | | | Forest Pest Control | | | Competitive | | Oct 2014-Mar 2015 | August 2015 |
| | | | Fuels Reduction | | | Competitive | | Oct 2014-Mar 2015 | August 2015 |
| | | | Programmatic Timberland EIRs | | | | | To be Announced | |
| | | | Reforestation | | | Competitive | | Oct 2014-Mar 2015 | August 2015 |
| | | | Research | | | Competitive | | Oct 2014-Mar 2015 | June 2015 |
| | | | Urban Forestry | \$18 | | Competitive | | Oct 2014-Mar 2015 | May 2015 |
| | | | | | | | | | |
| Waste Diversion (CalRecycle) Financial incentives for capital investments that expand waste management infrastructure, with a priority in disadvantaged communities. | | \$25 | Organics composting/digestion grants | \$15 | Complete | Competitive | Mar 2014 | May-Jun 2014 | Nov 2014 |
| | | | Increased recycling manufacturing | \$5 | | | | Jun-Jul 2014 | Nov 2014 |
| | | | Organics and recycling project loans | \$5 | | | | Nov-Feb 2015 | April 2015 |
| Total | \$70 | \$832 | | | | | | | |

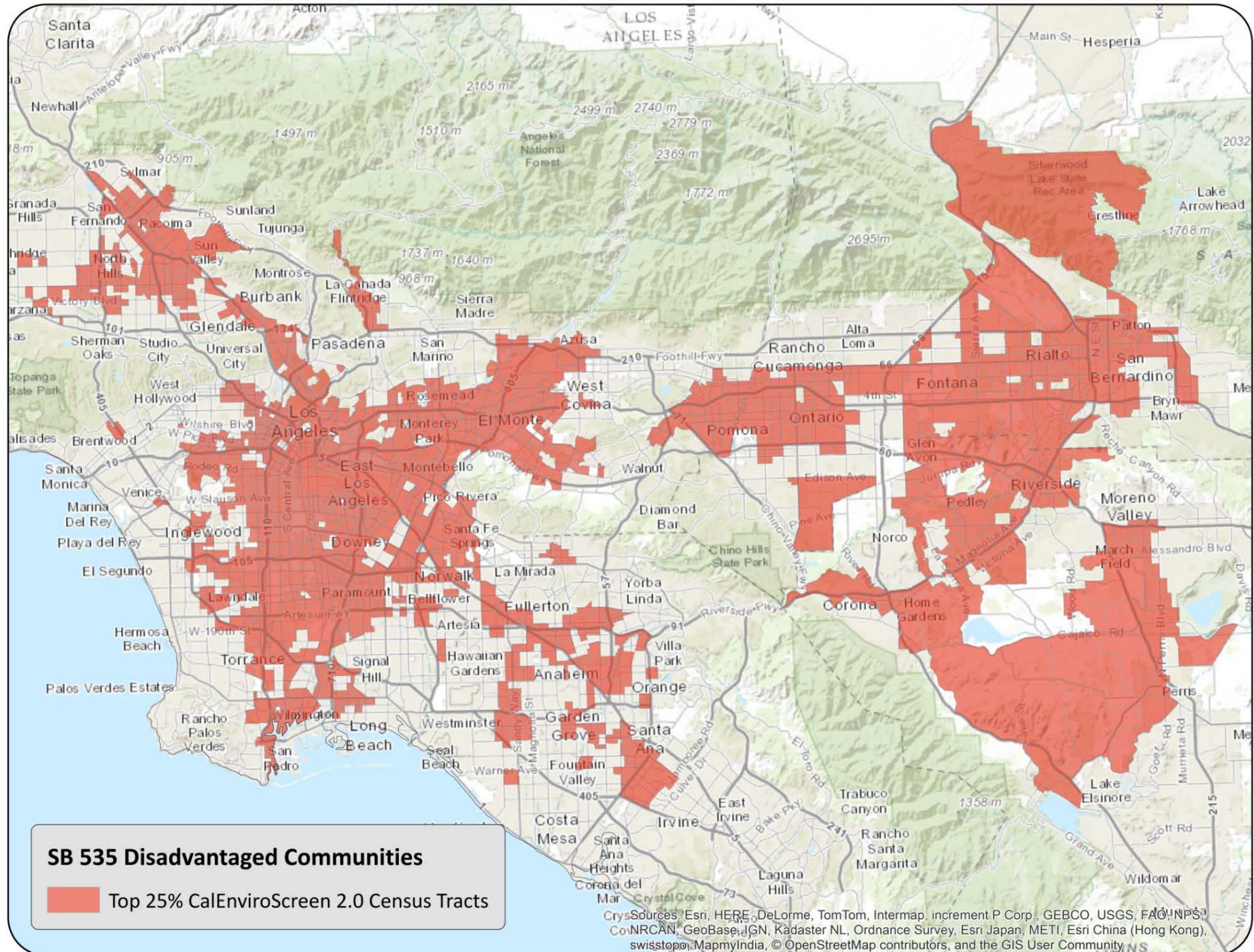
Note: Future dates are estimates and subject to change

SUMMARY DEVELOPED BY THE CALIFORNIA AIR RESOURCES BOARD - BASED ON INFORMATION PROVIDED BY IMPLEMENTING AGENCIES

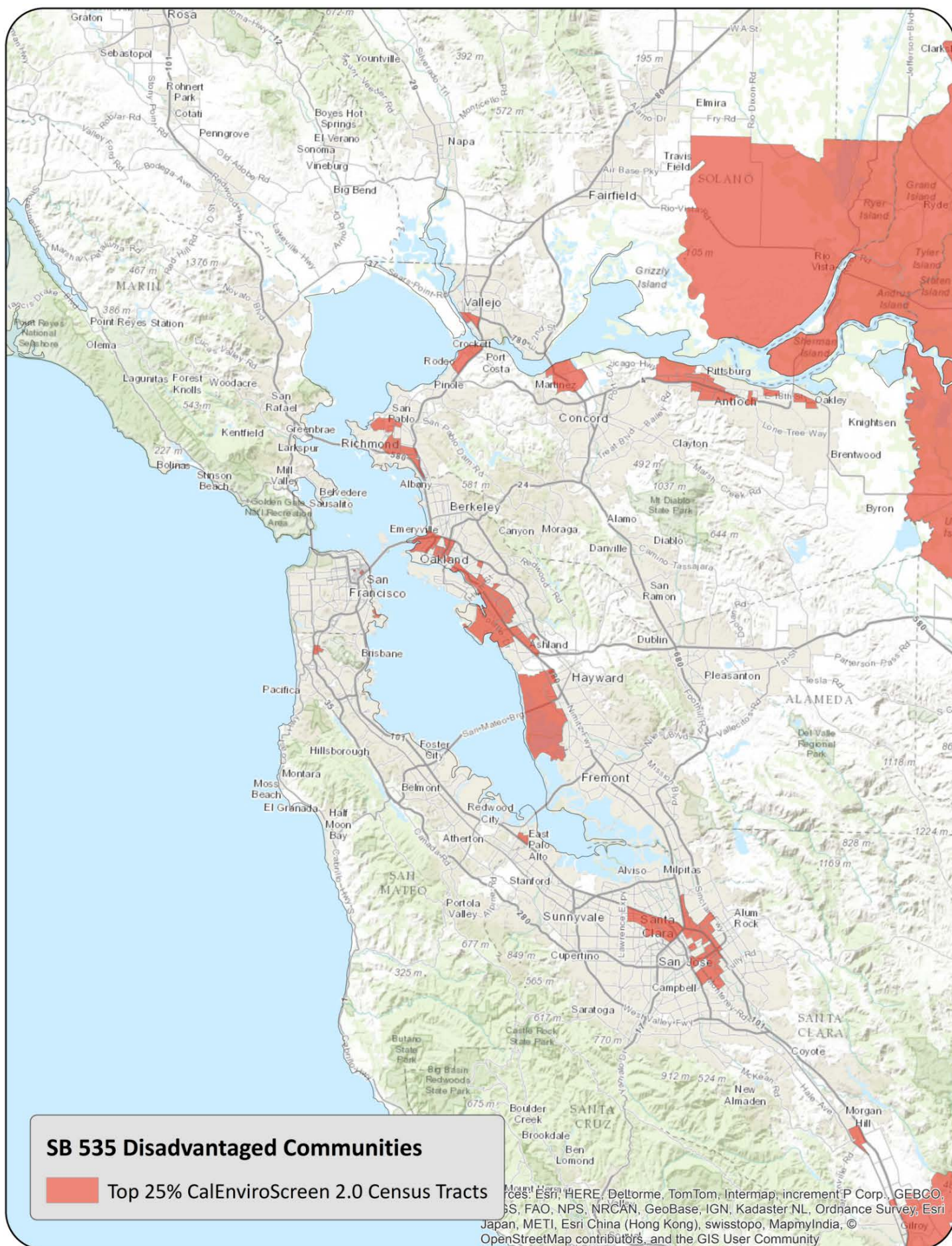
www.arb.ca.gov/auctionproceeds



Los Angeles Area



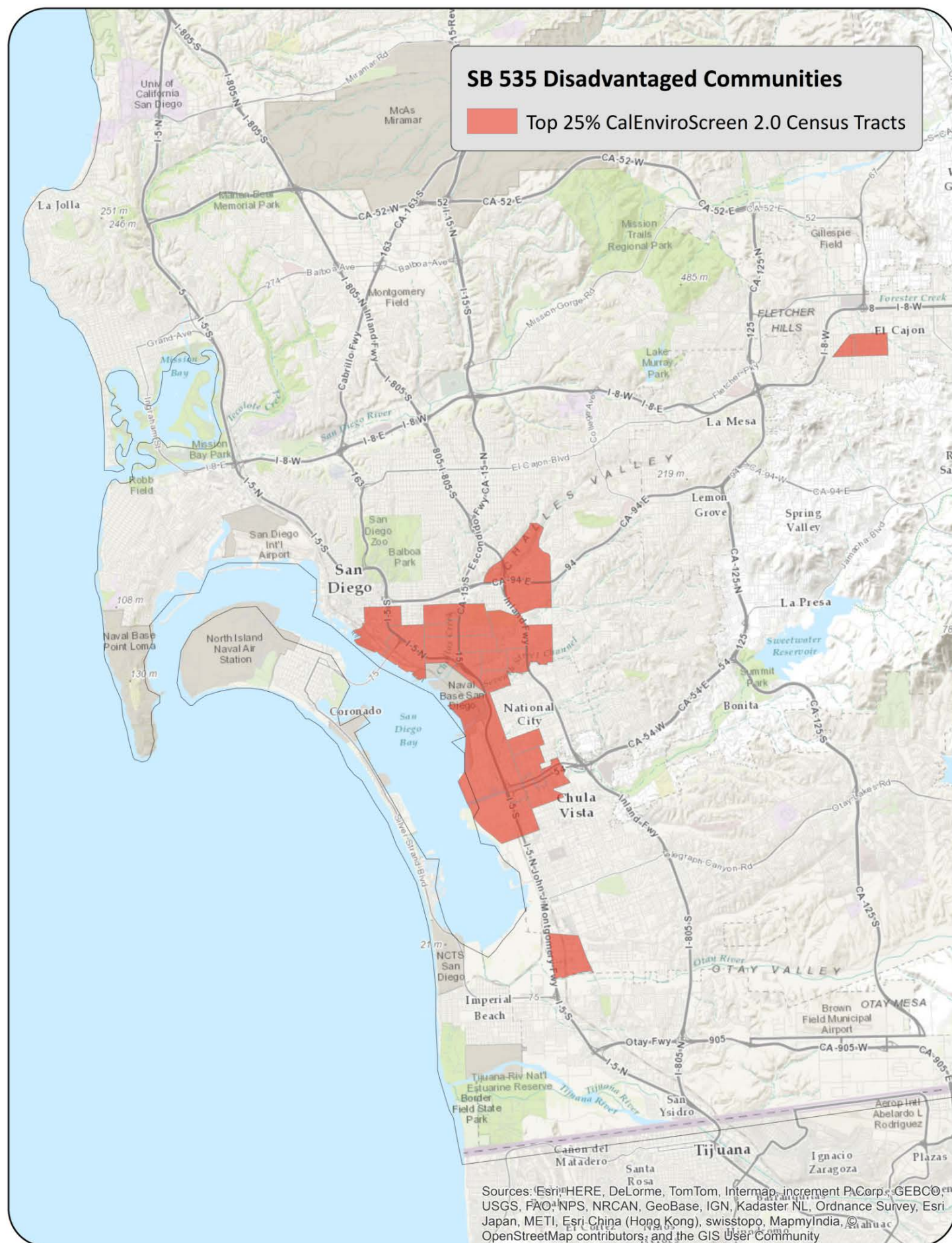
San Francisco Area



San Diego Area

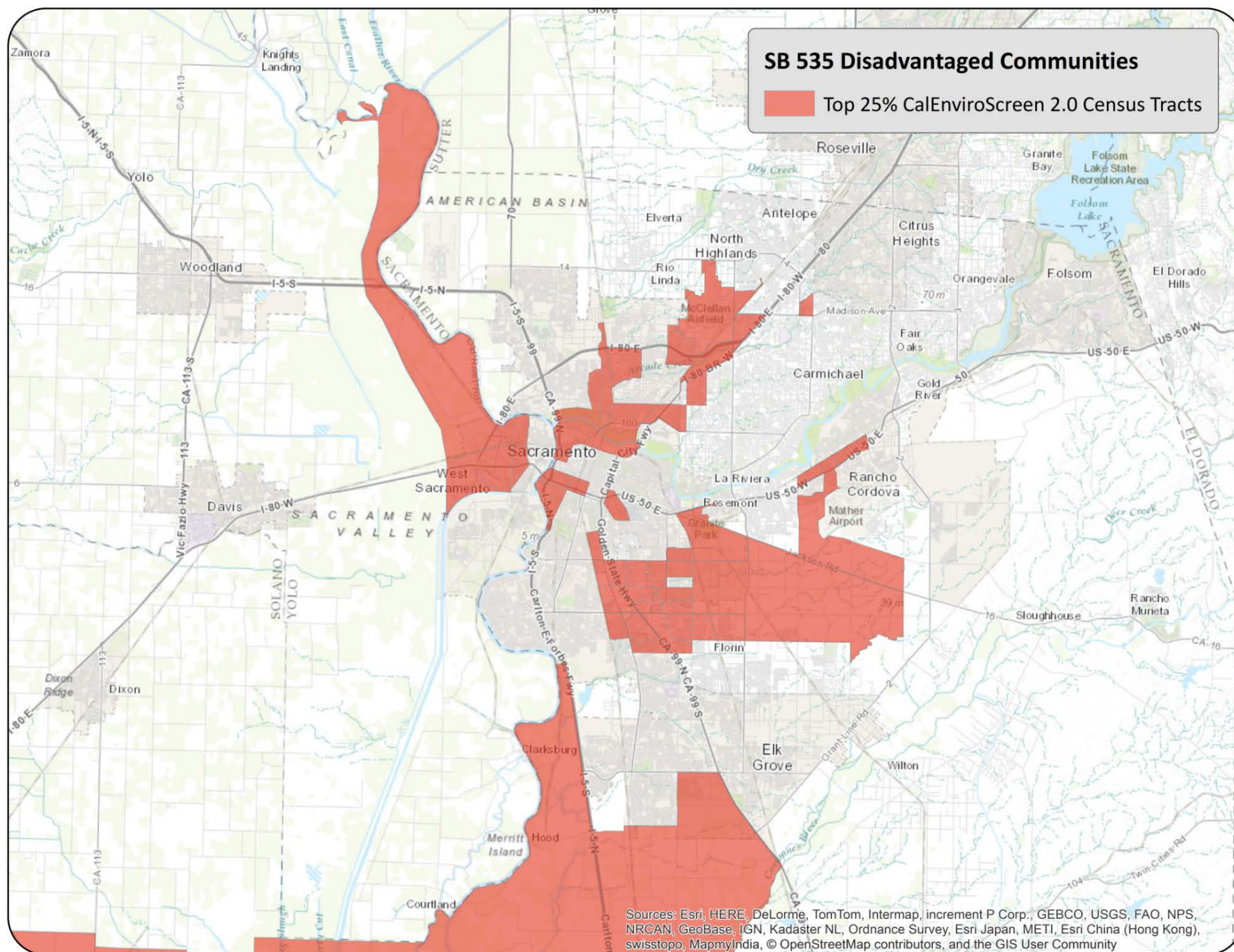
SB 535 Disadvantaged Communities

Top 25% CalEnviroScreen 2.0 Census Tracts

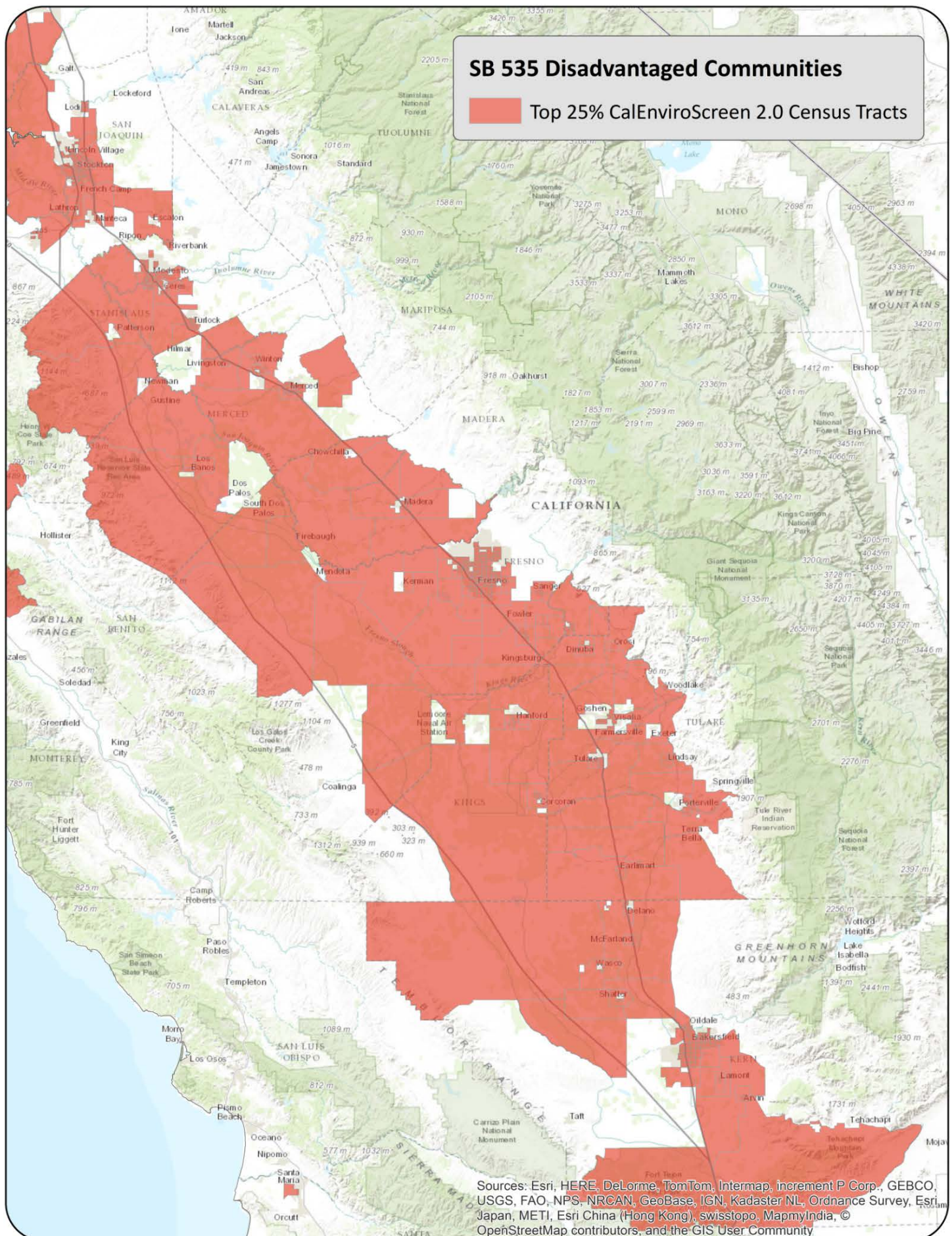


Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

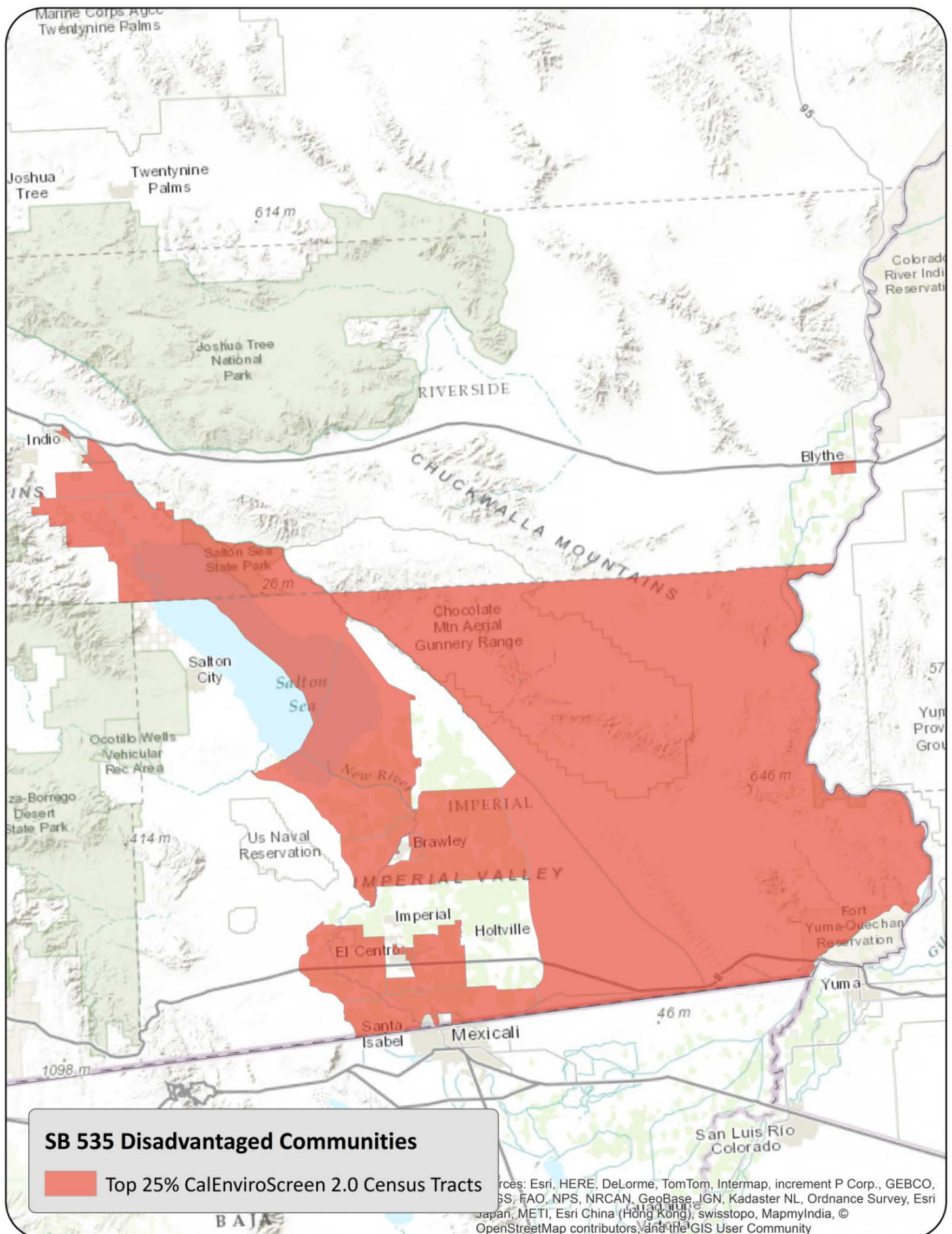
Sacramento Area



San Joaquin Valley



Coachella & Imperial Valleys





Contra Costa County Board of Supervisors

Subcommittee Report

AD HOC COMMITTEE ON SUSTAINABILITY

Meeting Date: 03/23/2015

Subject: Update on County Climate Action Plan

Submitted For: Supervisors John Gioia and Federal D. Glover,

Department: County Administrator

Referral No.: 2015-02

Referral Name: Update on County Climate Action Plan

Presenter: Will Nelson, DCD Staff

Contact: Will Nelson, (925) 674-7791

Referral History:

Referral Update:

On April 17, 2012, the Board of Supervisors directed the Department of Conservation and Development (DCD) to prepare a community-wide Climate Action Plan (CAP) to address climate change impacts in the unincorporated area by reducing greenhouse gas emissions (GHG). This directive to prepare a community-wide CAP built upon previous climate change initiatives by the Board dating back to 2008, when the Board accepted a report and recommendation from the County's Climate Action Working Group to approve the Municipal Climate Action Plan (MCAP). The purpose of the MCAP was to quantify the GHG emissions from County government operations, identify GHG emission reduction measures for County operations, and prioritize implementation of these reduction measures. The MCAP was developed in large part by an interdepartmental working group convened by DCD.

In response to the Board's 2012 direction, DCD retained Pacific Municipal Consultants (PMC), conducted public outreach, and worked with other County departments to prepare a CAP that would serve as the County's roadmap for reducing GHG emissions within the unincorporated areas. On December 26, 2012, DCD released a Public-Review Draft CAP, which included:

- GHG emission inventory by sources in the unincorporated area for the baseline year 2005 and a GHG emissions forecast;
- Proposed GHG reduction target of 15 percent below baseline by Year 2020 consistent with Assembly Bill 32 (Global Warming Solutions Act of 2006);
- Comprehensive listing of GHG emission reduction actions, or strategies, to be implemented by the County, organized by sector (land use and transportation, energy efficiency, renewable energy, solid waste, water, and government operations) and quantitative evaluation of proposed actions in reducing GHG emissions;
- Public Health evaluation in recognition that GHG emissions warrant careful consideration to minimize its health effects in surrounding communities as a component to the CAP; and
- Implementation and monitoring.

Concurrent with release of the Public-Review Draft CAP, in accordance with the requirements of

the California Environmental Quality Act (CEQA), DCD issued an Initial Study and Proposed Negative Declaration. Comments were received from several agencies and individuals, including the Bay Area Air Quality Management District (BAAQMD).

In January 2015 DCD reengaged the BAAQMD and PMC with the intention of completing the CAP in 2015. DCD is currently in the process of renewing its contract with PMC. Once complete, the CAP will not only serve as a roadmap for reducing GHG emissions within the unincorporated areas, but may also assist in streamlining CEQA reviews related to GHG emissions.

Recommendation(s)/Next Step(s):

ACCEPT the report on the status of the County Climate Action Plan;
DIRECT DCD staff to convene the Interdepartmental Working Group; and
PROVIDE direction to staff as appropriate.

Fiscal Impact (if any):

The initial effort to prepare the CAP was paid for with federal Energy Efficiency Block Grant funds, which are no longer available. The renewed contract with PMC is for an amount not to exceed \$54,995.00, which will be funded out of DCD's current year budget.

Attachments

No file(s) attached.



Contra Costa County Board of Supervisors

Subcommittee Report

AD HOC COMMITTEE ON SUSTAINABILITY

Meeting Date: 03/23/2015
Subject: Proposed Role and Duties of the County Sustainability Coordinator
Submitted For: Supervisors John Gioia and Federal D. Glover,
Department: County Administrator
Referral No.: 2015-03
Referral Name: Proposed Role and Duties of the County Sustainability Coordinator
Presenter: Jason Crapo **Contact:** Jason Crapo, (925) 674-7722

Referral History:

The Chair of the Ad Hoc Committee has expressed interest in considering the designation of a County Sustainability Coordinator within the Department of Conservation and Development (DCD). The following is DCD's analysis and recommendations concerning this concept.

Referral Update:

Staff recommends the Board of Supervisors designate the position of County Sustainability Coordinator in the Department of Conservation and Development to coordinate the development and integration of the County's activities related to climate change, including policies and projects to reduce greenhouse gas emissions and/or prepare for climate change. The duties of this position would be structured as follows:

1. **Interdepartmental Coordination and Climate Action Plan Implementation**
 - Staff the Board of Supervisor's Ad Hoc Committee on Sustainability
 - Convene County staff to coordinate County sustainability activities
 - Coordinate multi-departmental implementation of the County's Climate Action Plan and track progress towards achieving greenhouse gas reduction targets
2. **Energy Efficiency Programs**
 - Coordinate County programs providing energy efficiency services to the public and represent the County in regional energy efficiency initiatives
3. **Policy Development and New Initiatives**
 - Develop policies and initiatives to advance climate and energy goals
 - Seek funding to expand organizational capacity and services

- Monitor and participate in development of legislation

Background

Survey of Bay Area Cities and Counties

In anticipation of the Committee's interest in considering the designation of a County Sustainability Coordinator, staff has reviewed the organizational structure of several other counties and large cities within the Bay Area with regards to sustainability activities. These include the counties of Alameda, Marin, San Mateo, Santa Clara and Sonoma; the cities of Oakland and San Jose; and the City and County of San Francisco.

Staff finds there is considerable variation among Bay Area cities and counties concerning the organizational structure and staffing level for sustainability activities. While it is now fairly common for cities and counties to have designated sustainability staff, the size, function and subject matter addressed by sustainability staff differ substantially from one jurisdiction to another.

In some jurisdictions, the role of sustainability staff is to coordinate and integrate ongoing sustainability activities in multiple departments. In other cases, sustainability staff operate a variety of programs delivering direct services to the public. A third function typical of sustainability staff is development of new program and policy initiatives, often involving interagency partnerships, legislation, and fund raising activities.

The range of programs and policy topics included under the umbrella of "sustainability" also varies considerably from one jurisdiction to another. A common program activity for many local government sustainability staff is to implement the jurisdiction's Climate Action Plan. Other topics frequently designated as part of a city or county's sustainability function include energy efficiency, transportation planning, long-term land use planning, solid waste management, fleet management, water conservation, adaption to sea level rise, and others.

Recommended Duties of County Sustainability Coordinator

DCD's analysis of the experience in neighboring cities and counties suggests three areas in which a County Sustainability Coordinator could make valuable contributions towards the development of sustainability programs in Contra Costa County. These three areas are:

1. Interdepartmental Coordination and Climate Action Plan Implementation
2. Energy Efficiency Programs
3. Policy Development and New Initiatives

DCD recommends the County Sustainability Coordinator undertakes responsibilities in each of these three areas. The subject matter focus should be climate change and energy efficiency, which are inter-related and central to most local government sustainability programs. To date, the County's activities in these areas have been limited by financial constraints, and additional resources will yield the most significant benefits for the County in achieving its sustainability goals.

Interdepartmental Coordination and Climate Action Plan Implementation

The County Sustainability Coordinator is proposed to serve as staff to the Board of Supervisor's

Ad Hoc Committee on Sustainability and assist in coordinating the sustainability activities of County departments. The County currently has staff in several departments engaged in a variety of sustainability activities. Staff in the Departments of Conservation and Development, Public Works, and Health Services are engaged in programs to promote greenhouse gas reduction and climate change adaptation in the areas of land use, transportation and health-related programs. County facilities have been upgraded to promote energy efficiency. The County is engaged in discussions to plan for sea level rise, and to respond to other new environmental conditions resulting from climate change. The Sustainability Coordinator will not seek to duplicate existing efforts underway, but may convene interdepartmental groups to coordinate such efforts and report to the Ad Hoc Committee.

Central to this coordination effort is implementation of the County's Climate Action Plan. Once adopted, the Climate Action Plan will provide a strategic plan for the County's sustainability activities. The Sustainability Coordinator will convene a working group of County departments to implement measures stated in the Climate Action Plan. Together with the interdepartmental working group, the Sustainability Coordinator will track progress and provide reports to the Ad Hoc Committee on Sustainability.

Energy Efficiency Programs

DCD recommends the Sustainability Coordinator coordinate the County's participation in energy efficiency programs serving the public. These include programs offering educational resources and financial rebates, loans, and other incentives to promote the efficient use of energy by businesses and residents. These programs include the Bay Area Regional Energy Network, East Bay Energy Watch, and PACE financing programs. Energy efficiency programs are a dynamic and growing program area in California, as the State pursues reduced energy consumption and associated greenhouse gas emissions.

Policy Development and New Initiatives

DCD recommends the County Sustainability Coordinator take a lead role in County policy development and new initiatives related to climate change and energy efficiency. This will include monitoring State Cap and Trade funding and seeking this and other funding opportunities to expand the County's organizational capacity and services in these areas. It may also include forming partnerships with other agencies on regional sustainability efforts, and participating in the development of legislation.

Recommendation(s)/Next Step(s):

Based on the experience of neighboring cities and counties, staff believes Contra Costa County would benefit from a designated County Sustainability Coordinator, with responsibilities as described above. DCD recommends the Ad Hoc Committee on Sustainability direct DCD to prepare a Board Order seeking the Board's authorization to establish this new position and the associated funding to be included in DCD's budget for fiscal year 2015-16.

Fiscal Impact (if any):

DCD will include the cost of the County Sustainability Coordinator in its FY 15-16 budget proposal to the County Administrator.

Attachments

No file(s) attached.
