



# Agenda

# AD HOC COMMITTEE ON SUSTAINABILITY

September 24, 2018

12:30 P.M.

651 Pine Street, Room 101, Martinez

Supervisor John Gioia, Chair

Supervisor Federal D. Glover, Vice Chair

**Agenda  
Items:**

Items may be taken out of order based on the business of the day and preference of the Committee

1. Introductions and Roll Call.
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. **APPROVE Record of Action from the July 23, 2018, meeting of the Ad Hoc Committee on Sustainability.**
4. **RECEIVE presentation on asthma in Contra Costa County and PROVIDE DIRECTION to staff, as appropriate.**
5. **RECEIVE REPORT on Greenhouse Gas Reduction Fund grant opportunities and PROVIDE DIRECTION to staff, as appropriate.**
6. **RECEIVE REPORT from Sustainability Commission Chair.**
7. **RECEIVE REPORT from County Sustainability Coordinator.**
8. The next meeting is currently scheduled for Monday, November 4, 2018.
9. Adjourn

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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: Jody London - Sustainability Coordinator, (925) 674-7871  
Email: [jody.london@dcd.cccounty.us](mailto:jody.london@dcd.cccounty.us)

*Glossary of Acronyms, Abbreviations, and other Terms (in alphabetical order): Contra Costa County has a policy of making limited use of acronyms, abbreviations, and industry-specific language in meetings of its Board of Supervisors and Committees. Following is a list of commonly used abbreviations that may appear in presentations and written materials at meetings of the Ad Hoc Sustainability Committee:*

AB Assembly Bill	FTE Full Time Equivalent
ABAG Association of Bay Area Governments	FY Fiscal Year
ACA Assembly Constitutional Amendment	GHG Greenhouse Gas
ADA Americans with Disabilities Act of 1990	GGRF Greenhouse Gas Reduction Funds
BAAQMD Bay Area Air Quality Management District	GIS Geographic Information System
BART Bay Area Rapid Transit District	HSD Contra Costa County Health Services Department
BAYREN Bay Area Regional Energy Network	IPM Integrated Pest Management
BGO Better Government Ordinance (Contra Costa County)	JPA/JEPA Joint (Exercise of) Powers Authority or Agreement
BOS Board of Supervisors	LAMORINDA Area of Lafayette-Moraga-Orinda
CALTRANS California Department of Transportation	MAC Municipal Advisory Council
CAO County Administrative Officer or Office	MBE Minority Business Enterprise
CAP Climate Action Plan	MOA Memorandum of Agreement
CARB California Air Resources Board	MOE Maintenance of Effort
CCA Community Choice	MOU Memorandum of Understanding
CCE Community Choice Energy Aggregation	MTC Metropolitan Transportation Commission
CCWD Contra Costa Water District	NACo National Association of Counties
CEC California Energy Commission	NEPA National Environmental Protection Act
CPUC California Public Utilities Commission	PDA Priority Development Area
CEQA California Environmental Quality Act	PV Photovoltaic
CSA County Service Area	PWD Contra Costa County Public Works Department
CSAC California State Association of Counties	RDA Redevelopment Agency or Area
DCC Delta Counties Coalition	RFP Request For Proposals
DPC Delta Protection Commission	RFQ Request For Qualifications
DWR California Department of Water Resources	SB Senate Bill
DCD Contra Costa County Dept. of Conservation & Development	SGC Strategic Growth Council
EBEW East Bay Energy Watch	SR2S Safe Routes to Schools
EBMUD East Bay Municipal Utility District	TWIC - Transportation, Water, and Infrastructure Committee
EIR Environmental Impact Report (a state requirement)	U.S.EPA United States Environmental Protection Agency
EIS Environmental Impact Statement (a federal requirement)	WBE Women-Owned Business Enterprise



# Contra Costa County Board of Supervisors

## Subcommittee Report

### AD HOC COMMITTEE ON SUSTAINABILITY

3.

**Meeting Date:** 09/24/2018

**Subject:** APPROVE Record of Action from the July 23, 2018, meeting of the Ad Hoc Committee on Sustainability.

**Submitted For:** Jody London, Sustainability Coordinator

**Department:** Conservation & Development

**Referral No.:**

**Referral Name:** APPROVE Record of Action from the July 23, 2018, meeting of the Ad Hoc Committee on Sustainability.

**Presenter:** Jody London, DCD

**Contact:** Jody London (925) 674-7871

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**Referral History:**

**Referral Update:**

**Recommendation(s)/Next Step(s):**

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### **Attachments**

07-23-18 Sus Mtg Minutes

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# Agenda

## RECORD OF ACTION AD HOC COMMITTEE ON SUSTAINABILITY

July 23, 2018  
12:30 P.M.

651 Pine Street, Room 101, Martinez

Supervisor John Gioia, Chair  
Supervisor Federal D. Glover, Vice Chair

**Agenda Items:**

Items may be taken out of order based on the business of the day and preference of the Committee

Present: John Gioia, Chair  
Federal D. Glover, Vice Chair

Staff Present:

Frank DiMassa, Energy Manager, Dept of Public Works  
Jill Ray, Field Representative, Supervisor Candace Andersen  
Jason Crapo, Deputy Director, Dept of Conservation and Development  
John Kopchik, Director, Dept of Conservation and Development  
Dominic Aliano, Field Representative, Supervisor Federal Glover  
Jody London, Sustainability Coordinator

Attendees:

Nick Despota  
Michael Kent  
Shoshana Wechsler  
Trish Clifford  
P. Craig  
Mary Selkirk  
Cynthia Mahoney  
Carol Weed  
Bob Hanson  
Lynda Deschambault  
Lee C. Ballance, MD  
Lisa Chang  
Harry Thurston  
Betty Lobos  
Marti Roach  
Clifton Louie  
Doug Merrill  
Ogie Strogatz  
Douglas Mason  
Howdy Goudey

1. Introductions/Roll Call
2. Public comment on any item under the jurisdiction of the Committee and not on this agenda (speakers may be limited to three minutes).

Carol Weed asked when this committee will become a standing committee.

3. APPROVE Record of Action from the May 7, 2018, meeting of the Ad Hoc Committee on Sustainability.

The Record of Action was unanimously approved.

4. DISCUSS opportunities to leverage the Idle Free Pledge to reduce greenhouse gas emissions in Contra Costa County, and PROVIDE DIRECTION, as appropriate.

Wayne Michaud from Idle Free California showed a short video about idle-free driving and reviewed actions taken by Contra Costa cities and the County to support idle-free driving. Michaud suggested that a good way to promote Idle Free is through schools, particularly middle schools. He noted a 2016 State resolution that calls for a ban on idling on school property. Michaud suggested the County consider posting Idle Free signs at County facilities and institute an idling ban in County vehicles. He also reviewed new idle-reduction technologies for vehicles. Michaud acknowledged that Idle Free ordinances can be difficult to enforce, yet they can raise visibility of the issue.

The Committee discussed the importance of coordinating with the cities on Idle Free policies and noted the opportunity a consideration of an Idle Free policy provides in terms of the County fleet. The Committee received public comments from several individuals. These included:

- One reason people idle their cars is to stay cool, so it is important to ensure there is seating under trees in public areas.
- Drive-thrus should be included in any policy the County might consider.
- It is important to educate the public about replacing combustion engines and the benefits of electric vehicles.

The Committee directed staff to examine how to implement an Idle Free policy in the County. This should include research on how to work with the cities, through the Mayor's Conference, and public education undertaken jointly with the cities.

5. CONSIDER recommendation from the Sustainability Commission to include support for a Carbon Fee and Dividend in the County's Federal legislative platform.

Nick Despota presented the recommendation from the Contra Costa County Sustainability Commission for the Board of Supervisors to include support for a Carbon Fee and Dividend in the County's Federal legislative platform. Despota reviewed the features of the Fee and Dividend concept, which includes a national fee on carbon at the source of emissions or point of entry of a product into the U.S. The price would start at \$15/ton and rise \$10/ton per year. The fee would need to be \$50/ton to have an impact on carbon emissions. The utility of the fee is the steady revenue stream it creates. 100 percent of revenues from the carbon fee would be returned to all households in the U.S. as a dividend. 60 percent of households are expected to receive more in dividends than they

spend. Lower income households are expected to benefit more. There also would be a border adjustment fee that would level the playing field by imposing an import fee on goods from countries that do not have a comparable carbon pricing program.

Many members of the public spoke in support of the Carbon Fee and Dividend concept. Members of the Citizens Climate Lobby said that there is polling that shows support for a Carbon Fee and Dividend as a way to get clean energy. They said that historically the fossil fuel industry receives large subsidies, and that the current price of carbon does not reflect the health and environmental impacts of carbon and other greenhouse gas emissions. A Fee and Dividend is in their opinions the best and quickest method to protect public health. It is simple and not regressive in terms of impacts on low-income populations. The Citizens Climate Lobby encouraged the Committee to bring this issue to the Board of Supervisors. They noted that support from the Board would be non-binding, and that this morning a Republican member of Congress introduced a carbon tax bill. They also noted that California Senate Bill 775 includes many provisions of a Carbon Fee and Dividend program.

Shoshana Wechsler expressed concern about the dividend aspect of the proposal. She suggested that any dividend from a fee on carbon should be directed to government programs, ideally as part of a massive, wartime-style initiative that would invest in low-income populations and displaced workers.

Supervisor Gioia agreed that we need a national price on carbon. He pointed out complications regarding how the price is set and how the funds are used. Gioia noted that California has taken a hybrid approach where a fee is assessed through the cap and trade auctions and revenues are disbursed by the State.

Supervisor Glover said he is not against fees or taxes on carbon. However, it is important to look at the best approach. Glover would like more information on how to communicate about this issue with the public.

The Committee directed staff to bring a resolution to the Board indicating support for a carbon fee or tax.

## 6. RECEIVE UPDATE on Renewable Resource Potential Study.

Jody London provided an update on the status of the Renewable Resource Potential Study. The study is looking at the potential for renewable energy technologies in Contra Costa County -- solar, wind, biomass, and biogas -- and how to facilitate installation of more renewable energy in the County while being mindful of land use priorities such as agriculture, parks, and conservation. Staff is looking at infill areas that otherwise will not be developed, such as parking lots, rooftops, and cloverleaves. London said that staff hosted a stakeholder meeting on May 24 and would be hosting another stakeholder meeting that week on July 25. The resource potential and recommendations regarding zoning are scheduled to be complete in early October. Staff will use the results of the study to determine interest in and feasibility of community energy projects in the communities of Bay Point, Rodeo, and North Richmond.

The Committee directed staff to bring the study findings to the full Board in October. The Supervisors also offered to assist staff in working on potential community energy projects.

## 7. RECEIVE report from the Chair of the Contra Costa County Sustainability Commission.

Victoria Smith, Chair of the Sustainability Commission, reported that the Commission welcomed a new member in the Education/Research seat, Kim Hazard, at its April meeting. At that meeting the Commission received an update on the Renewable Resource Potential Study and the Adapting to Rising - Eastern Contra Costa (ART-East) project. The Sustainability Commission asked the Bay Conservation and Development Commission staff to integrate the County's Climate Action Plan in ART-East, and provided ideas on outreach and education regarding that project. The Sustainability Commission is planning a retreat for August 18.

8. RECEIVE report from County Sustainability Coordinator.

Jody London summarized the written report included with the agenda. London noted that the California Air Resources Board recently approved a \$1.4 billion allocation of Greenhouse Gas Reduction Funds, and asked if the Committee would like to provide direction for County departments to prepare to apply for those funds. The Committee directed that staff coordinate with each Supervisor as more information becomes available about these grant opportunities.

9. The next meeting is currently scheduled for Monday, September 24, 2018.

10. Adjourn

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For Additional Information Contact:

Jody London, Sustainability Coordinator  
Phone: (925) 674-7871  
Jody.London@dcd.eccounty.us



# Contra Costa County Board of Supervisors

## Subcommittee Report

### AD HOC COMMITTEE ON SUSTAINABILITY

4.

**Meeting Date:** 09/24/2018

**Subject:** RECEIVE presentation on asthma in Contra Costa County and PROVIDE DIRECTION to staff, as appropriate.

**Submitted For:** Jody London, Sustainability Coordinator

**Department:** Conservation & Development

**Referral No.:**

**Referral Name:**

**Presenter:** Jody London, DCD

**Contact:** Jody London (925) 674-7871

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### **Referral History:**

N/A

### **Referral Update:**

The County's *Climate Action Plan* recognizes the co-benefits that preventing further changes to our climate have on human health and quality of life. The County Health Department has prepared a study of the incidence of asthma in unincorporated areas of the County. Many of these communities are considered "disadvantaged" by the State of California using the CalEnviroScreen 3.0 tool.

The County operates programs that provide weatherization services to low income residents, many of whom live in the areas identified in the report on asthma. The County is this year hosting a CivicSpark Fellow who will spend part of her time looking at how the County can better integrate the health outreach services provided by the Health Department with the energy and weatherization programs offered by the Department of Conservation and Development.

Experience in other communities is showing that integrating strategies to improve health and safety with strategies to make housing more energy efficient and weather resistant can help residents in many ways, including improved health and fewer visits to doctors and emergency rooms, better attendance at work and school, lower utility bills, greater independence and accessibility within homes, better use of resources, and protecting the environment. The Marin Green and Healthy Homes Initiative, a pilot started over the past few years, has recently been incorporated into MCE. MCE is now providing electricity and related services to the unincorporated areas of Contra Costa County and 13 of the 19 cities in the County.

The County could consider developing a more strategic approach to making homes more comfortable and healthy for some of our most vulnerable residents by developing a healthy homes program.



**Recommendation(s)/Next Step(s):**

RECEIVE the report on Asthma in Contra Costa County and PROVIDE DIRECTION regarding exploration of a healthy homes program for Contra Costa County.

**Fiscal Impact (if any):**

At this point, the cost of exploring the feasibility of a healthy home program would be staff time from the Department of Health and the Department of Conservation and Development.

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**Attachments**

Presentation on Asthma in Contra Costa County

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# Asthma in Contra Costa County

## Presentation for the Contra Costa County Board of Supervisors Ad Hoc Committee on Sustainability

September 24, 2018

Chris Farnitano, MD  
Health Officer, Contra Costa County



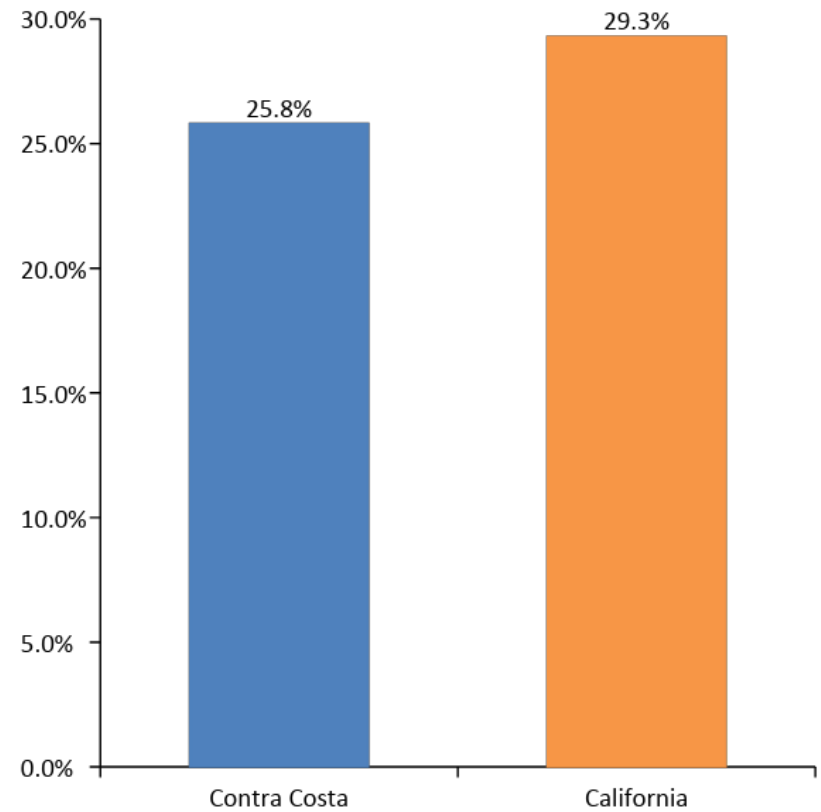
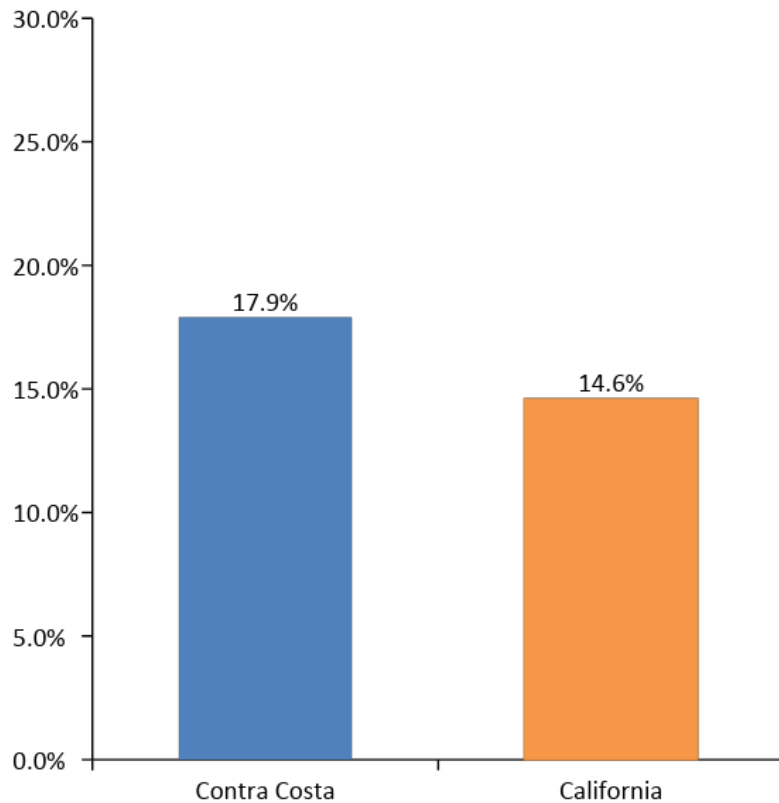
- Asthma's impact on Contra Costa County
- Where are the disparities?
- What are current improvement efforts within and without the Health Services department?
- What has been done in the past?
- What more can we do in the future (that will be effective and sustainable)?

# Asthma is a common disease in Contra Costa County

## Asthma – Ever Diagnosed and Recent Episode Contra Costa and California, 2013-2016

**Ever diagnosed with asthma**

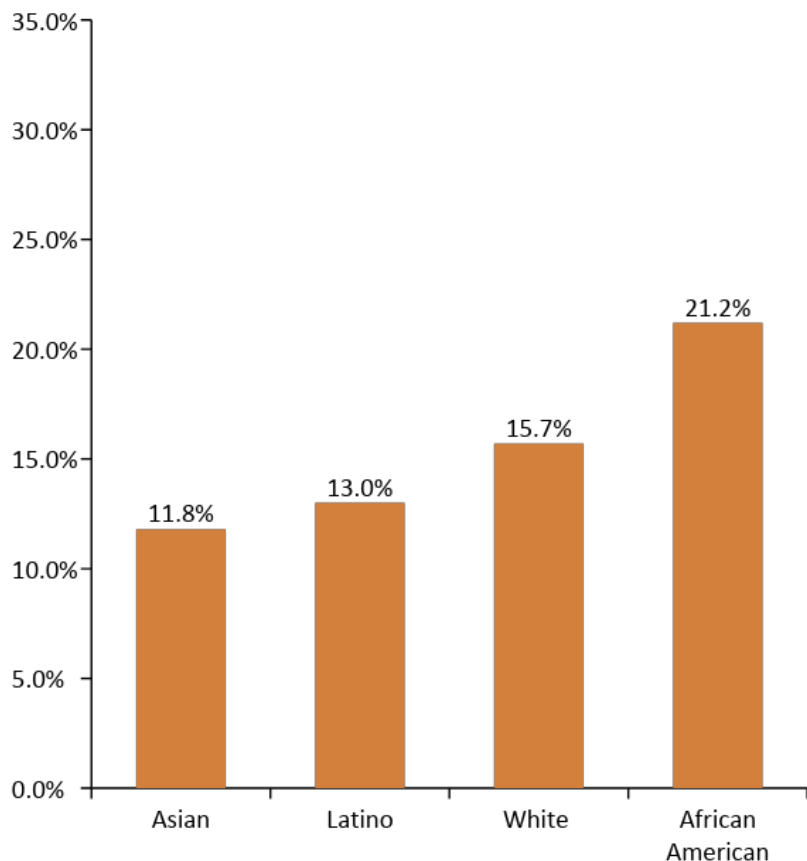
**Had asthma episode/attack in past 12 months - among all diagnosed**



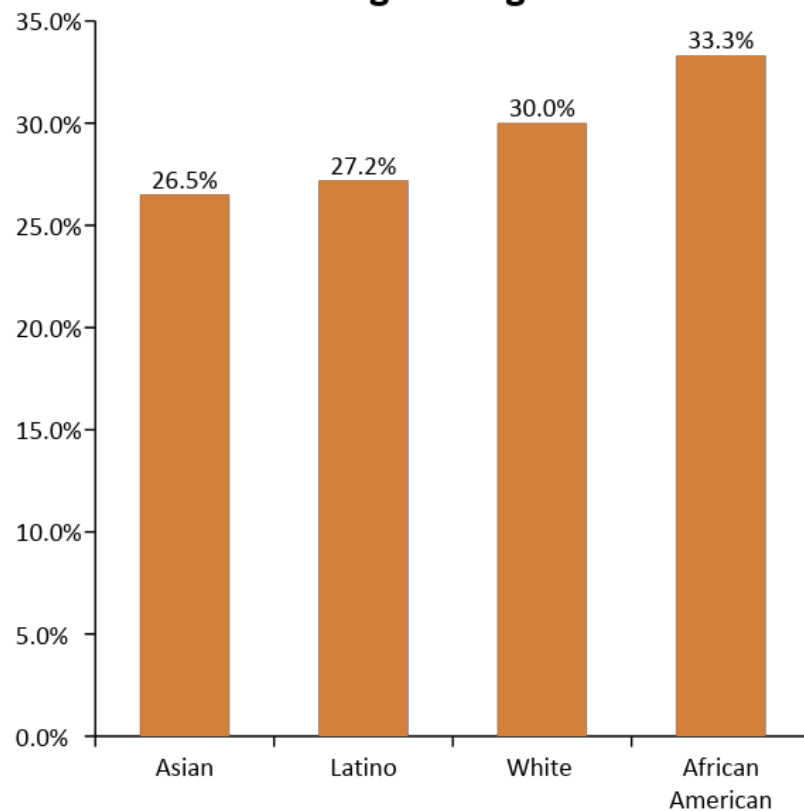
# Asthma is more commonly diagnosed and more severe among African-Americans

## Ever Diagnosed and Recent Episode California by Race/Ethnicity, 2013-2016

**Ever diagnosed with asthma**



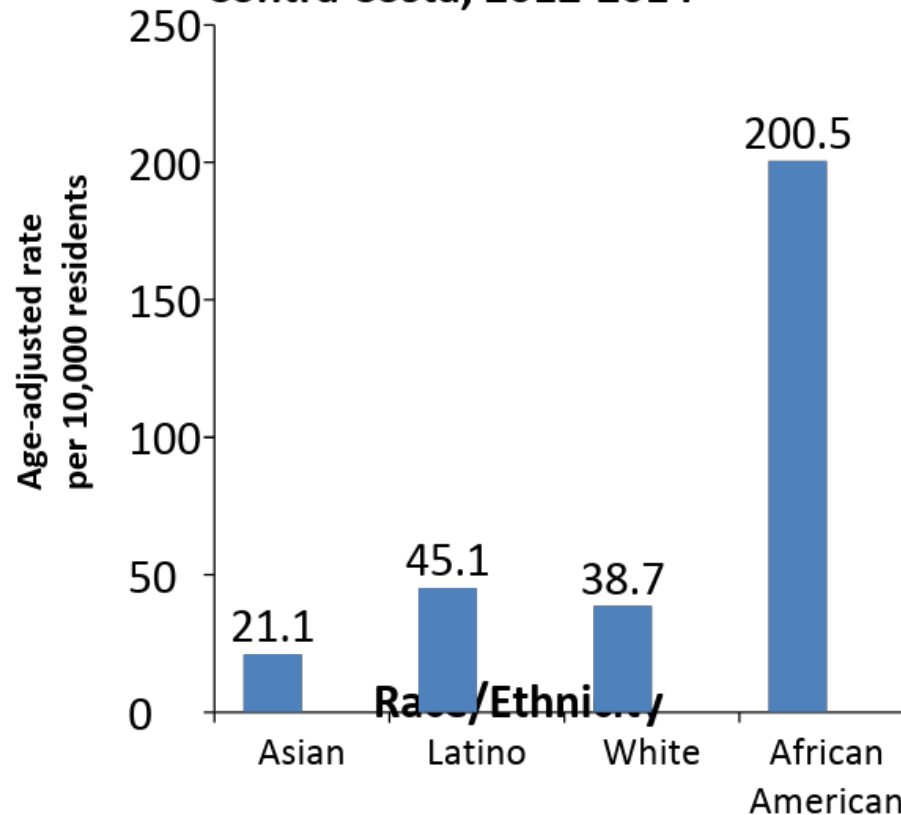
**Had asthma episode/attack in past 12 months - among all diagnosed**



# Asthma is more commonly diagnosed and more severe among African-Americans

## Asthma Emergency Department Visits

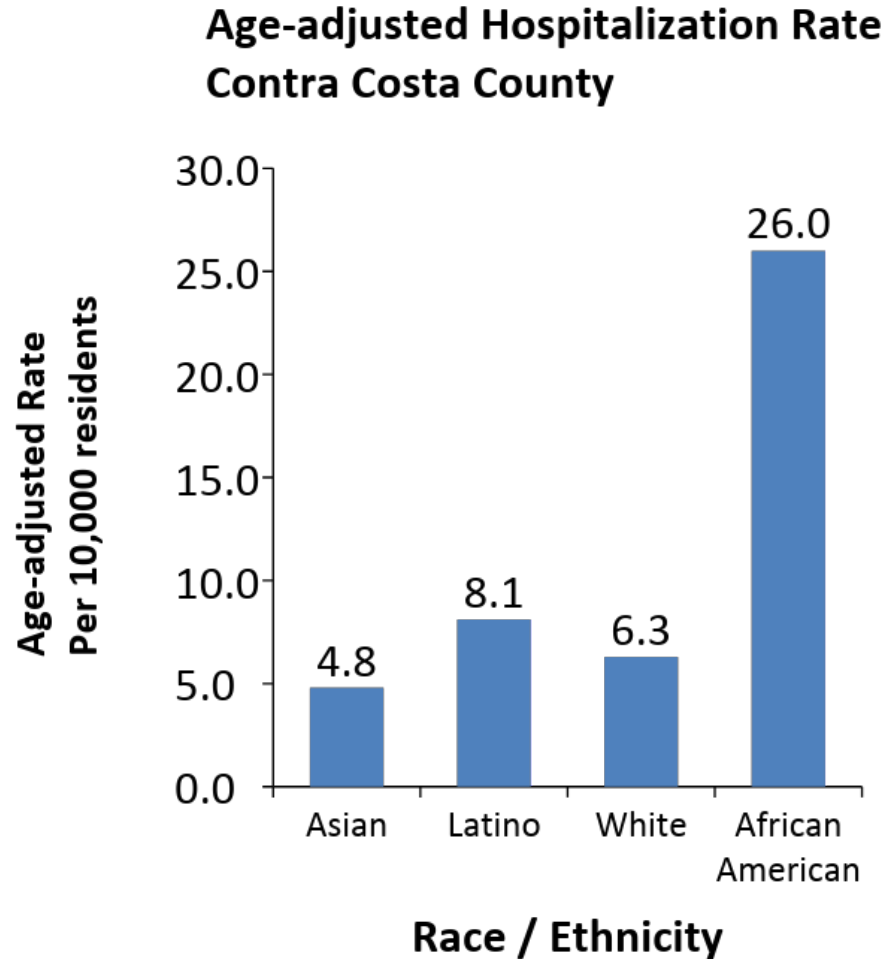
Age-adjusted rates by race/ethnicity  
Contra Costa, 2012-2014





# Asthma is more commonly diagnosed and more severe among African-Americans

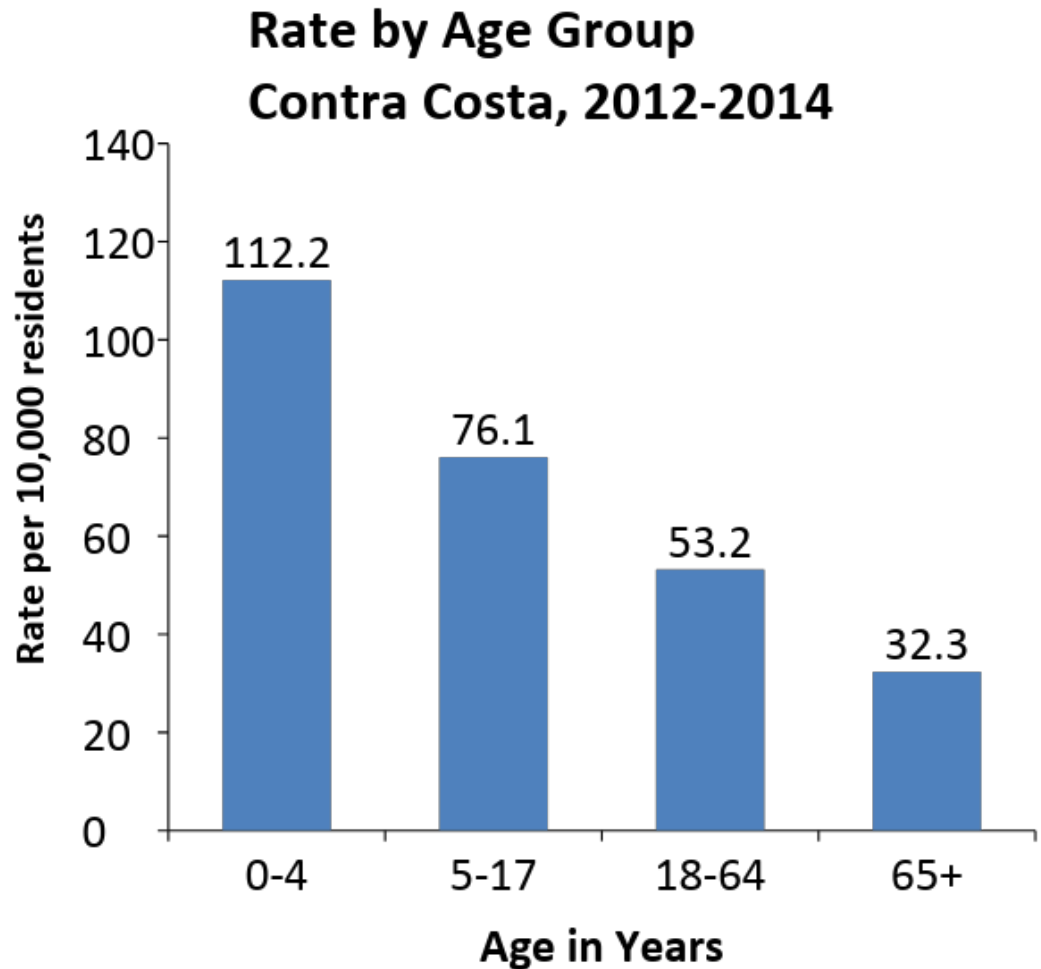
## Asthma Hospitalizations by Race/Ethnicity, 2014



# Asthma's burden falls heaviest on children

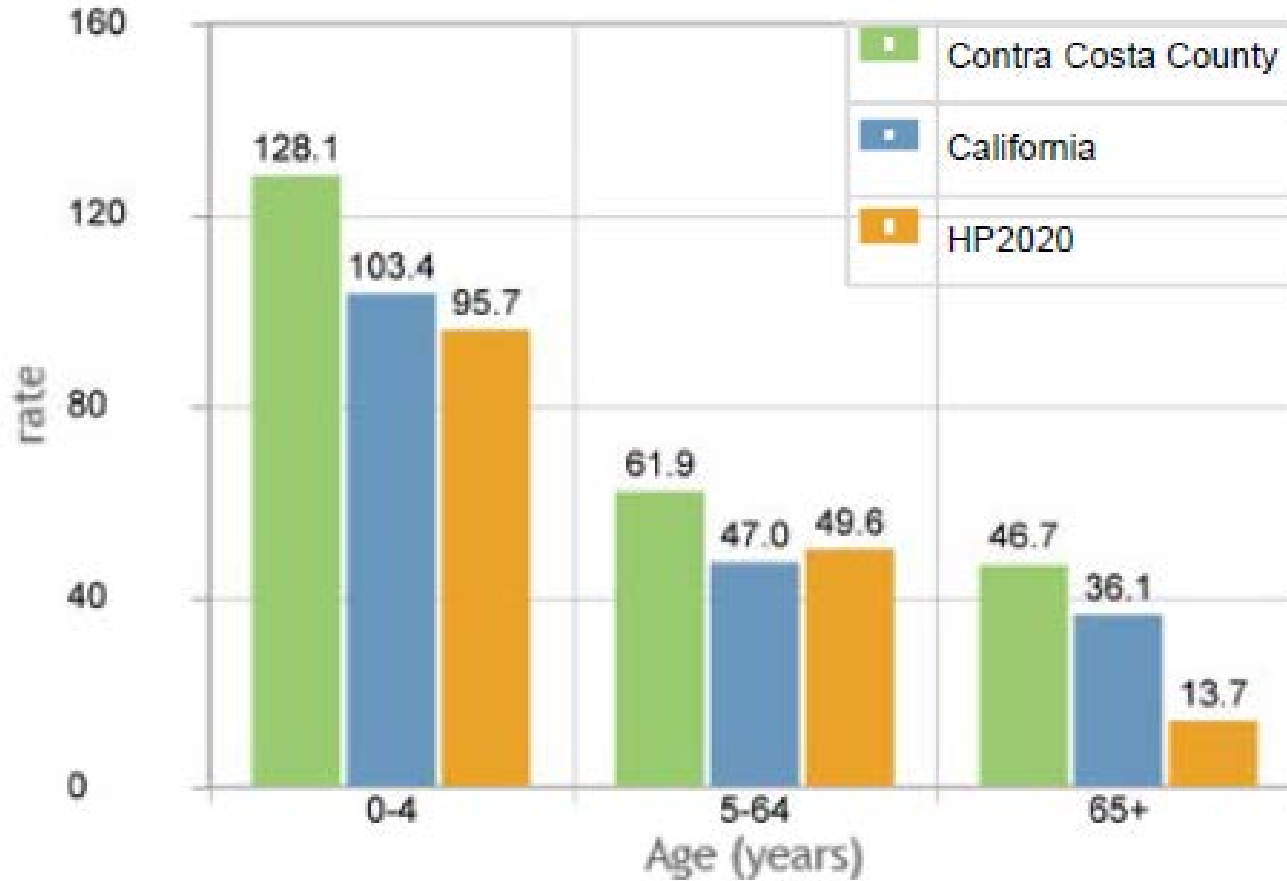
## Asthma Emergency Department Visits

2014 Age-adjusted rate per 10,000 residents	
California	49.5
Contra Costa	64.6





# Contra Costa County Asthma ED Visits per 10,000 Residents by Age Compared to California and HP2020 Targets, 2014



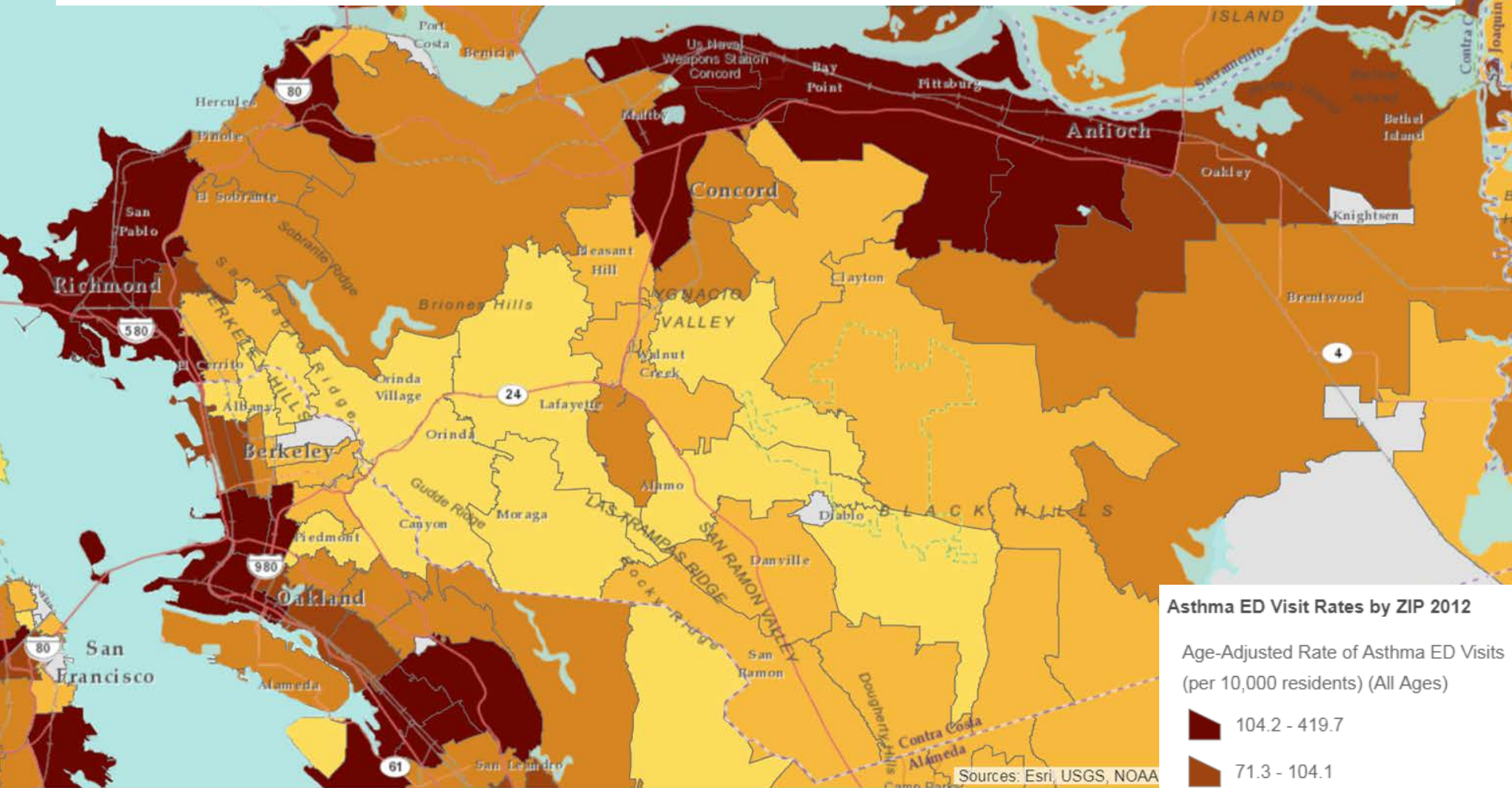
Source: California Healthy Breathing; Office of Statewide Health Planning and Development  
09-24-18 Ad Hoc Committee on Sustainability Agenda Packet - Pg.17 of 66



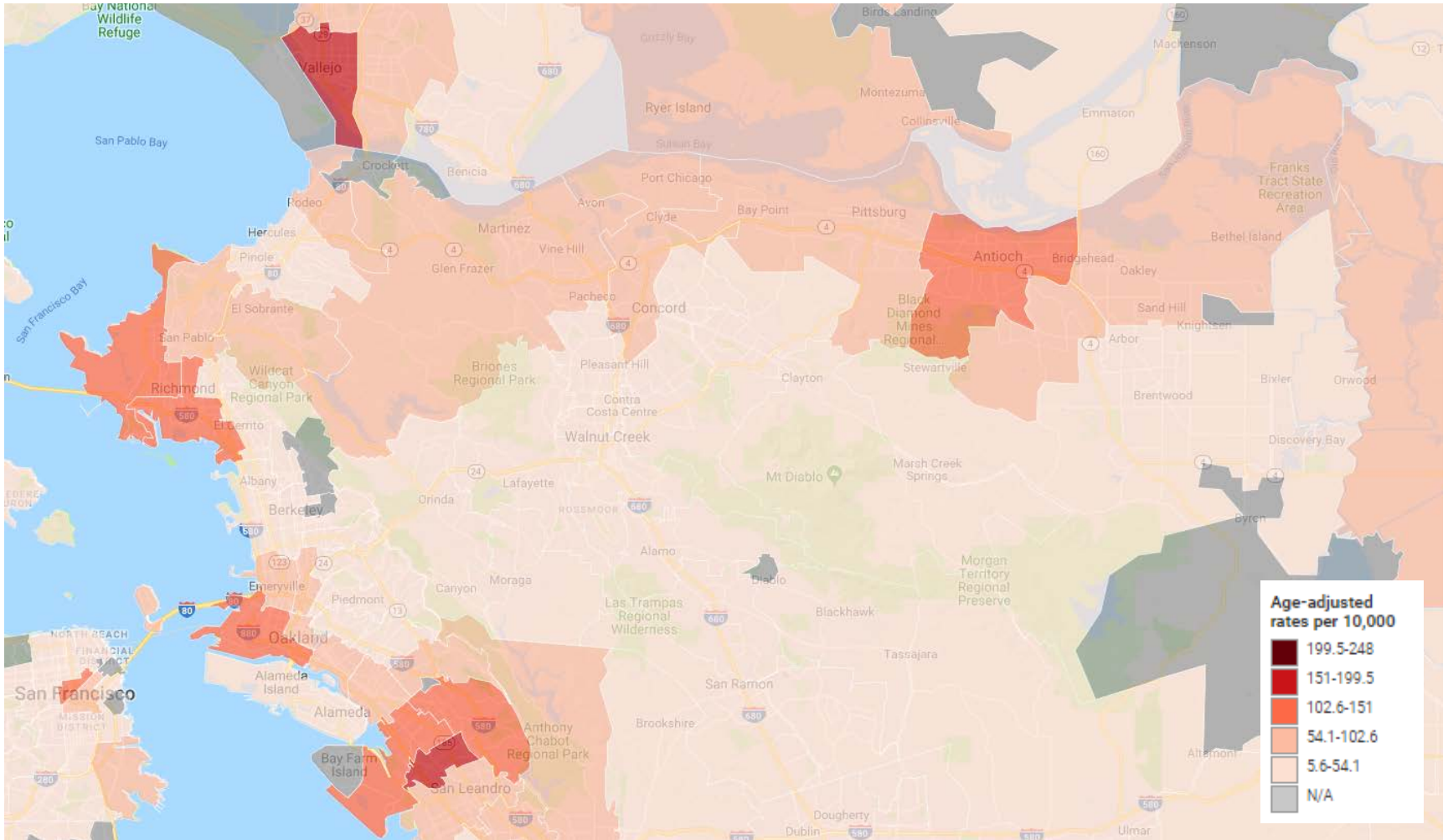
# Asthma Disparities in California

- Asthma prevalence higher in:
  - Adult females than adult males for current asthma (2014)
  - Gay/lesbian and bisexual men and women than straight men and women for lifetime asthma (2013 + 2014)
  - People born in the US than born outside of the US for current and lifetime asthma (2013+2014)

# Age-adjusted Asthma Emergency Department Visit Rates Among All Ages by Zip Code, 2012

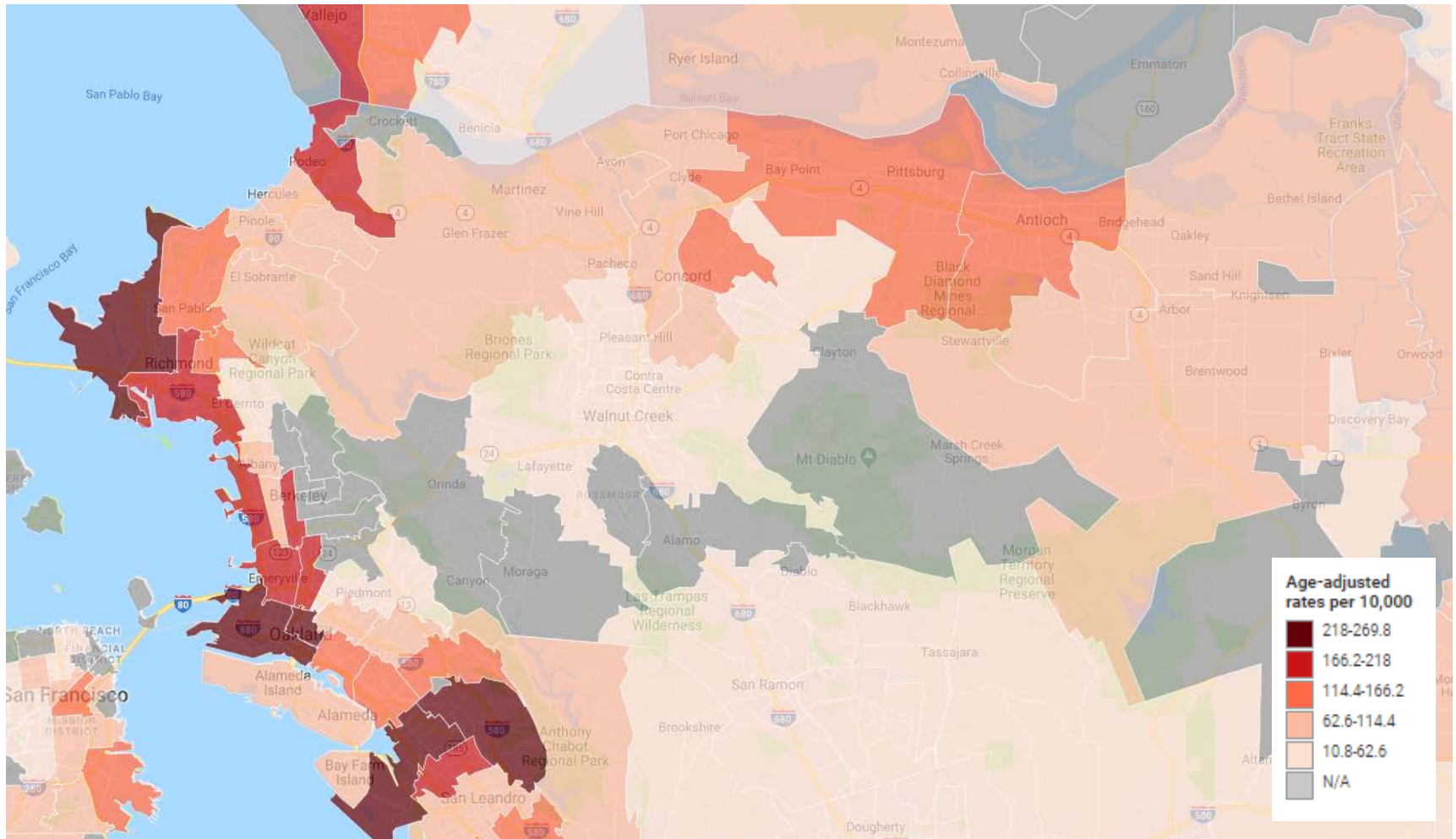


# Age-adjusted Asthma Emergency Department Visit Rates Among **Adults** by Zip Code, 2014



Source: California Environmental Health Tracking Program <http://www.cehtp.org/page/asthma/query>; Office of Statewide Health Planning and Development  
09-24-18 Ad Hoc Committee on Sustainability Agenda Packet - Pg.20 of 68

# Age-adjusted Asthma Emergency Department Visit Rates Among Children by Zip Code, 2014

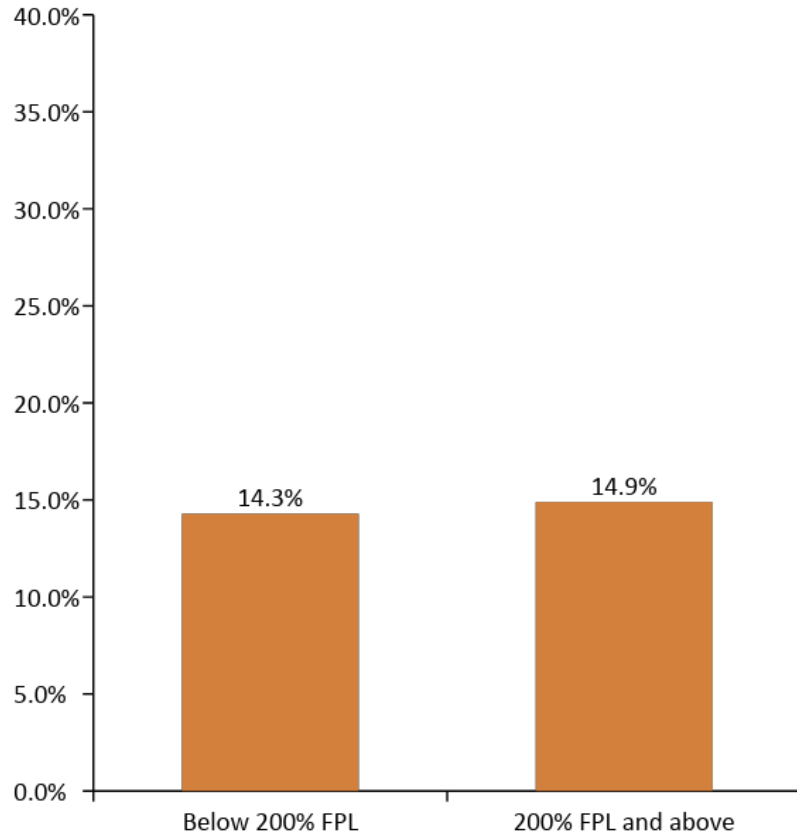


Source: California Environmental Health Tracking Program <http://www.cehtp.org/page/asthma/query>; Office of Statewide Health Planning and Development  
 09-24-18 Ad Hoc Committee on Sustainability Agenda Packet - Pg.21 of 68

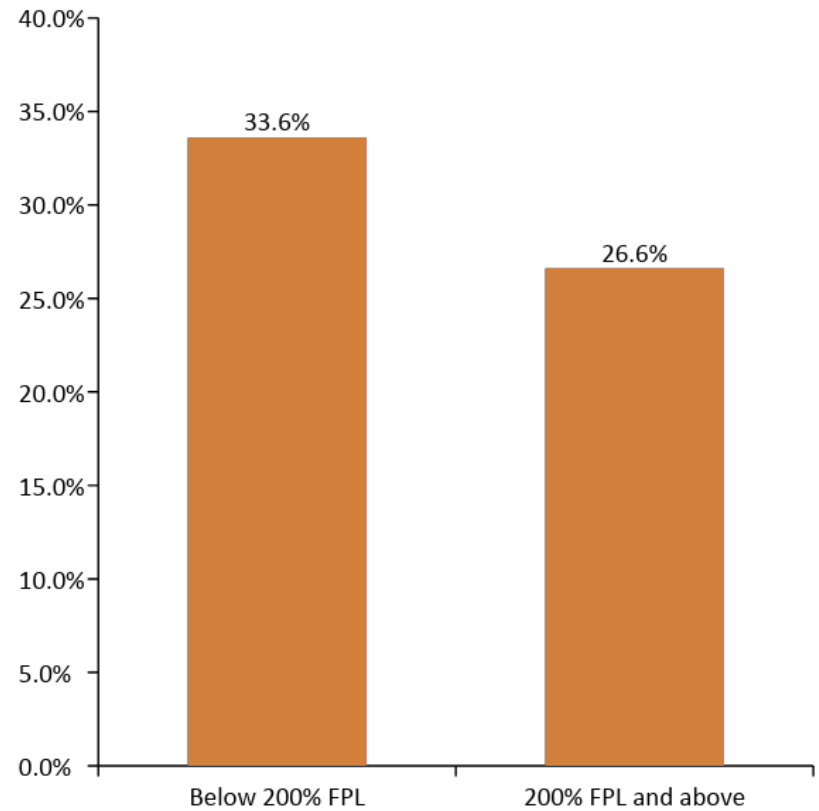
# Asthma when diagnosed is more severe among the poor

## Ever Diagnosed and Recent Episode California by Poverty, 2013-2016

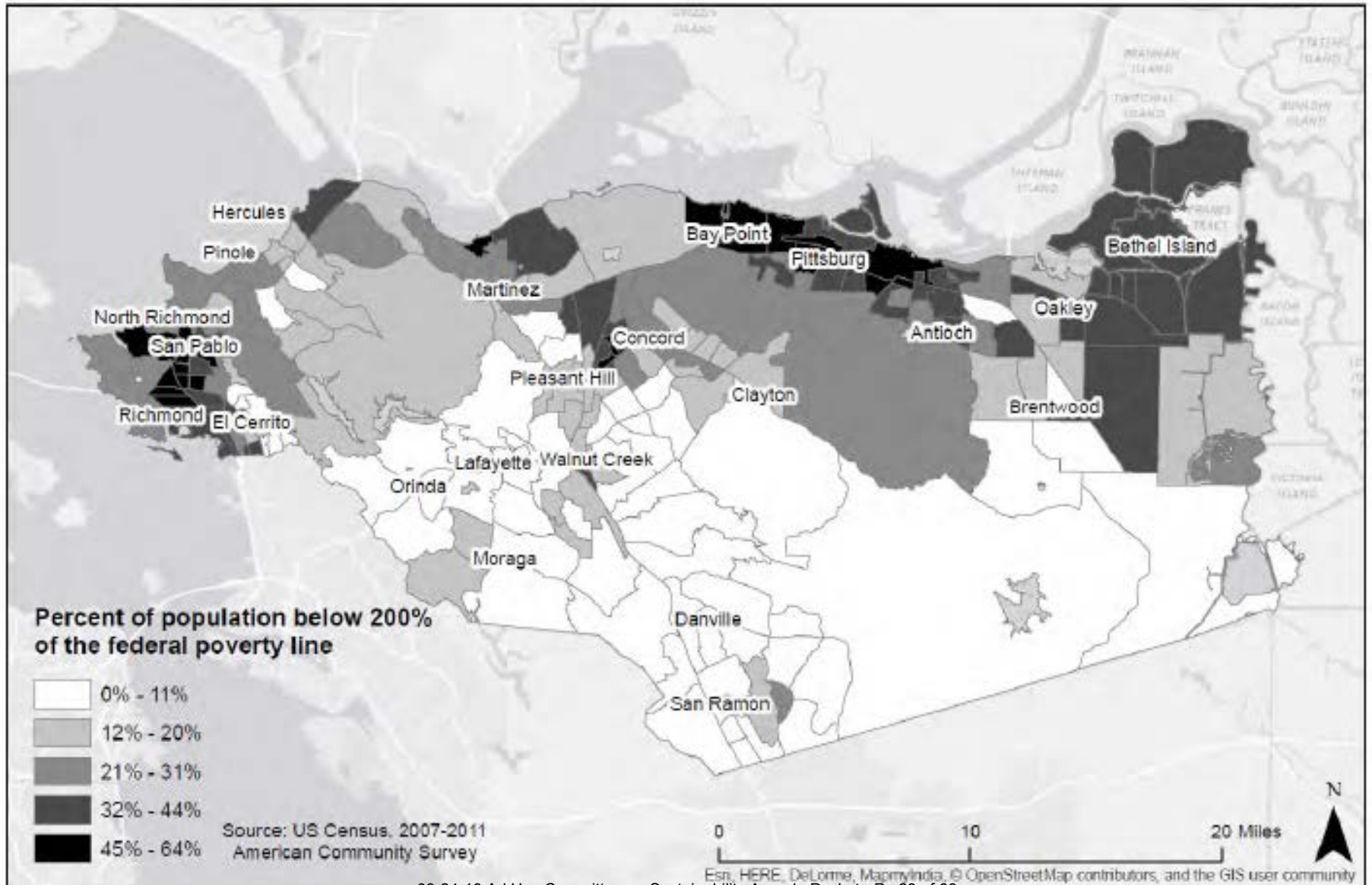
Ever diagnosed with asthma



Had asthma episode/attack in past 12 months - among all diagnosed



*Figure 10: Percentage Of Population Below 200% Of The Federal Poverty Level, 2007–2011*

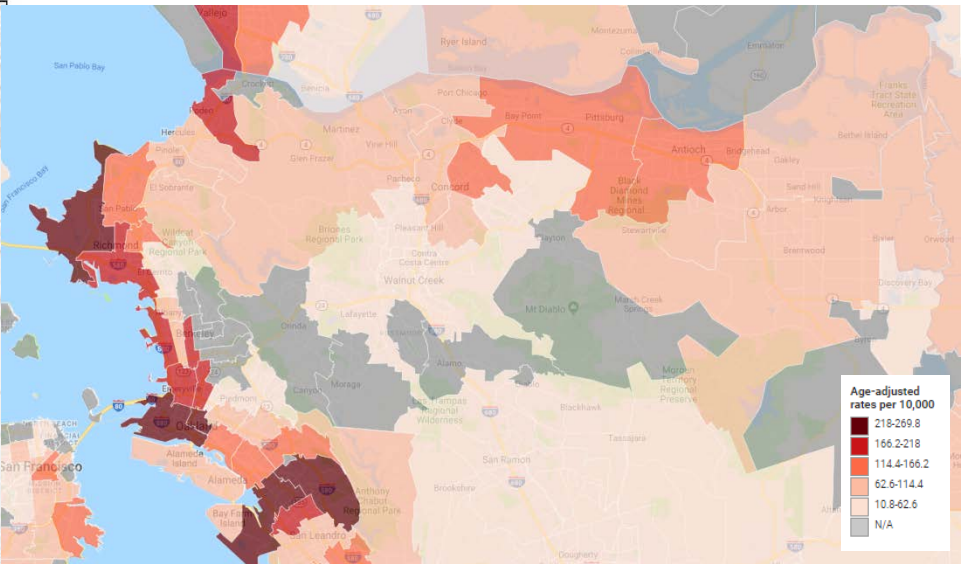
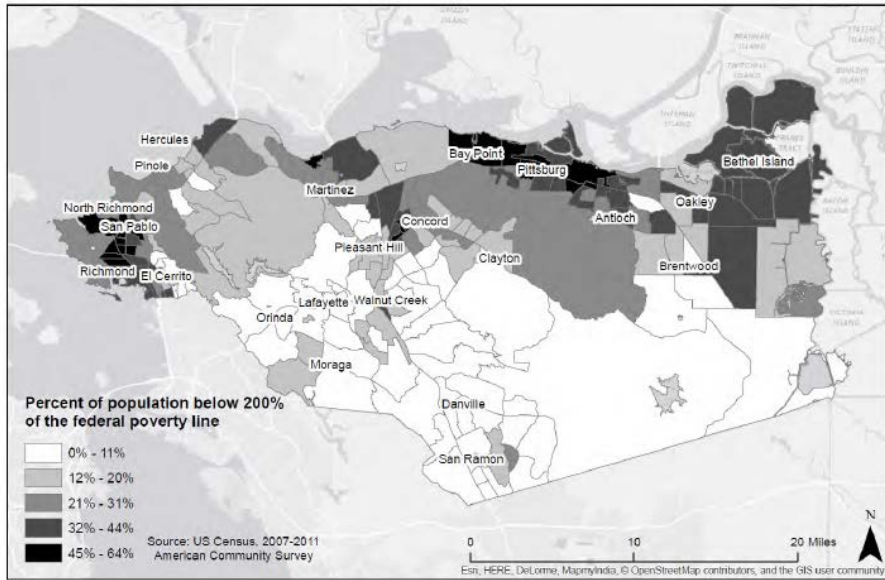


# Asthma Disproportionately Affects the Poor

Percentage of Population Below 200% of the Federal Poverty Level, 2007-2011

Age-adjusted Asthma Emergency Department Visit Rates Among **Children** by Zip Code, 2014

Figure 10: Percentage Of Population Below 200% Of The Federal Poverty Level, 2007-2011





# Asthma Disparities

**African American children** in Contra Costa County are hospitalized for asthma at a rate almost **four times** that of White, Asian and Latino children, and almost three times that of the county's children overall

Children living in **San Pablo and Richmond** have significantly higher asthma hospitalization rates than do children in other communities in the county. The rate of childhood hospitalization for asthma in San Pablo (41.2 per 10,000) is more than **double** that of the overall county rate (17.0 per 10,000). Richmond's rate (30.5 per 10,000) is nearly **double** the county.

# How does the local environment affect asthma?

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# Outdoor Air Pollution & Asthma

Like all particulate air pollution, including smoking, wild fires and point source or motor vehicle exhaust, exposure to this pollution leads to impairment of arterial endothelial function in humans as measured by flow-mediated dilation, an effect that occurs in a few minutes. Respiratory conditions including asthma are worsened by the triggering of an inflammatory cascade within the lungs.

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# Outdoor Air Pollution and Asthma

- Proximity to roads with heavy traffic may contribute to:
  - New onset (in children and adults)
  - Exacerbation (in children and adults)
  - Increased risk of ED visits and hospitalizations due to asthma (in children)
  - Black carbon (particulates), organic compounds and heavy metals from traffic pollution all contribute to asthma risk and severity



# Outdoor Air Pollution and Asthma

- Proximity to point sources of pollution may contribute to asthma severity:
  - Risk of asthma attack is associated with residing near a grain mill (odds ratio (OR) = 1.35), petroleum refinery (OR = 1.44), asphalt plant (OR = 1.23), or power plant (OR = 1.28) (all p's < 0.05).
  - Residence near major air emissions sources (>100 tons/year) increased asthma attack risk by 108% (p < 0.05).



# Indoor Air Quality and Asthma

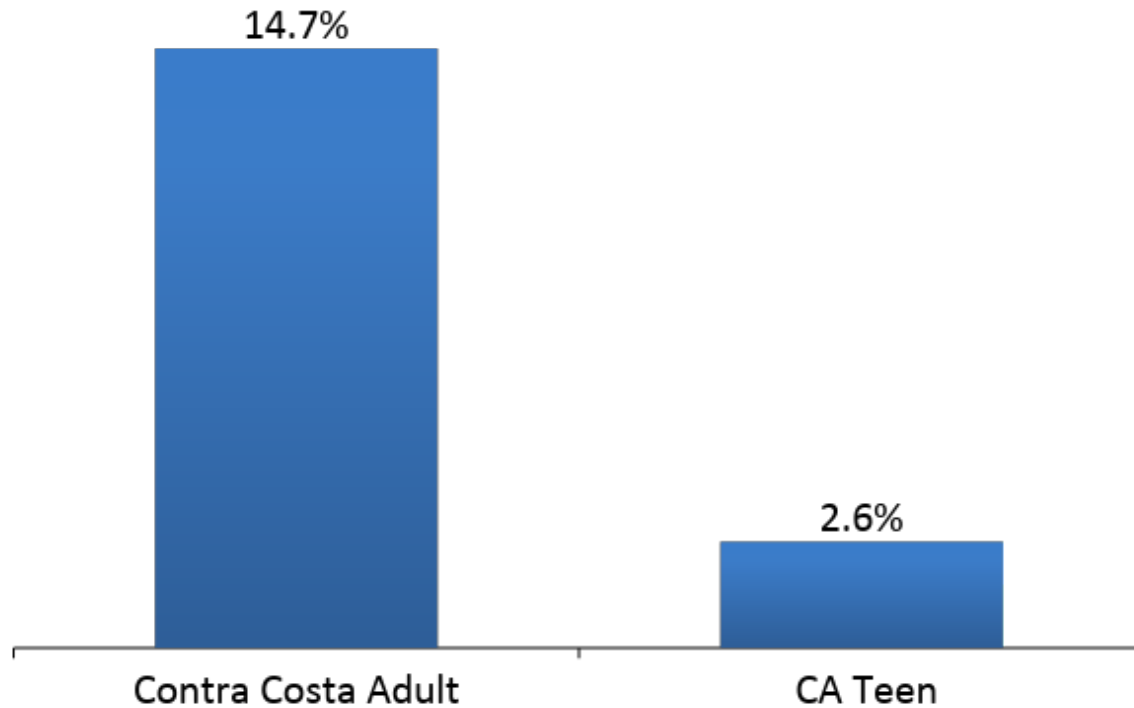
- Allergens may exacerbate or contribute
  - Mold and excess moisture
  - Dust and dust mites
  - Cockroaches and rodents
  - Cats and dogs (dander)
- Indoor air pollution may exacerbate or contribute
  - Tobacco smoke
  - Gas stoves/space heaters
  - Volatile organic compounds

# Indoor air quality

***Housing conditions play a significant role in health.***

- Inadequate ventilation increases exposure to indoor and outdoor air pollution and increases moisture and mold
- Pests, such as cockroaches, can worsen asthma symptoms;
- Improper heating and cooling combine with temperature extremes from climate change that can worsen asthma symptoms

# Current smoking prevalence

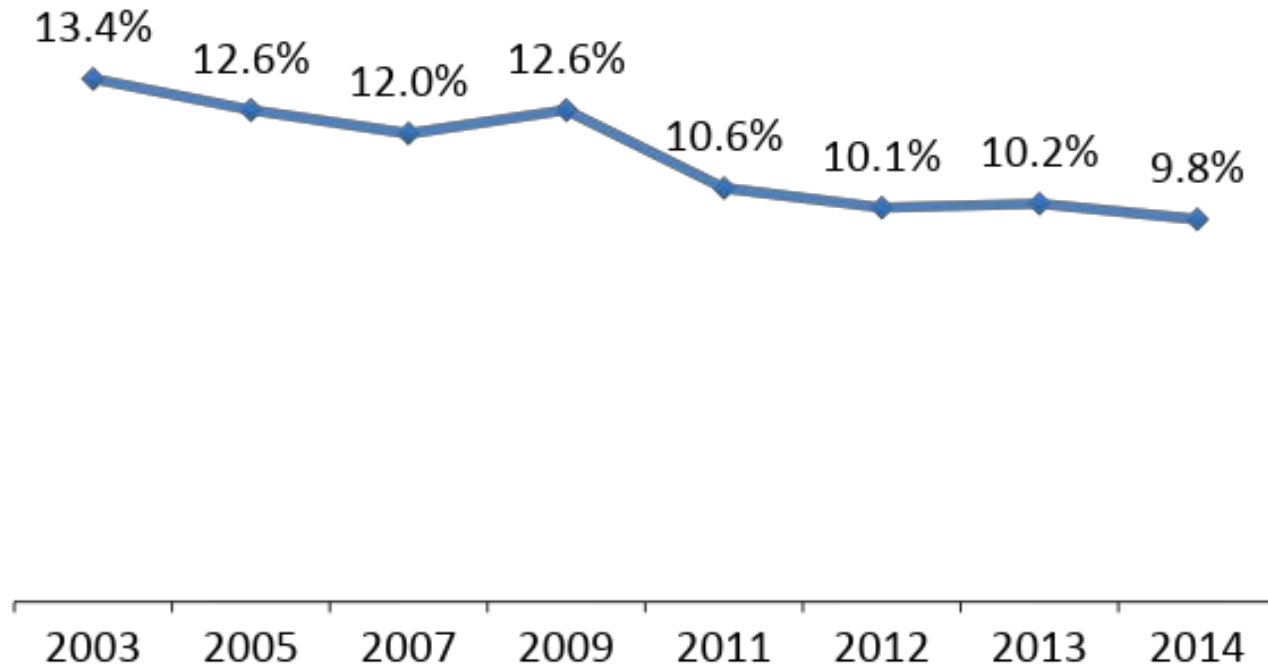


Source: 2014 California Health Interview Survey



# Bay Area smoking rates are declining

Current Smoker, Bay Area



Source: California Health Interview Survey

# What are some of the current efforts around Asthma prevention and control?

- Policy
- Community and Environmental Interventions
- Clinical interventions

# Policy

## Policy yields big impact!

- Smoking & Tobacco (now to include Cannabis) Laws and Taxes
- Air quality regulations
- Refinery Flare Monitoring Rule
- Changes to the North Richmond Truck Route to reduce exposure of community residents to diesel air pollution

# County Smoking Ordinances

**Extended to include the use of a hookah pipe, medical marijuana or electronic smoking device (such as an e-cigarette).**

**Smoking prohibited in:**

- Public trails and in public parks;
- Public event venues (such as stadiums, fairs, pavilions, farmers markets); and
- Campuses of all County-owned or leased properties.
- **In Multi-Unit Housing Residences**
  - starting July 1, 2018 for new and renewing leases.
  - All units by July 1, 2019.

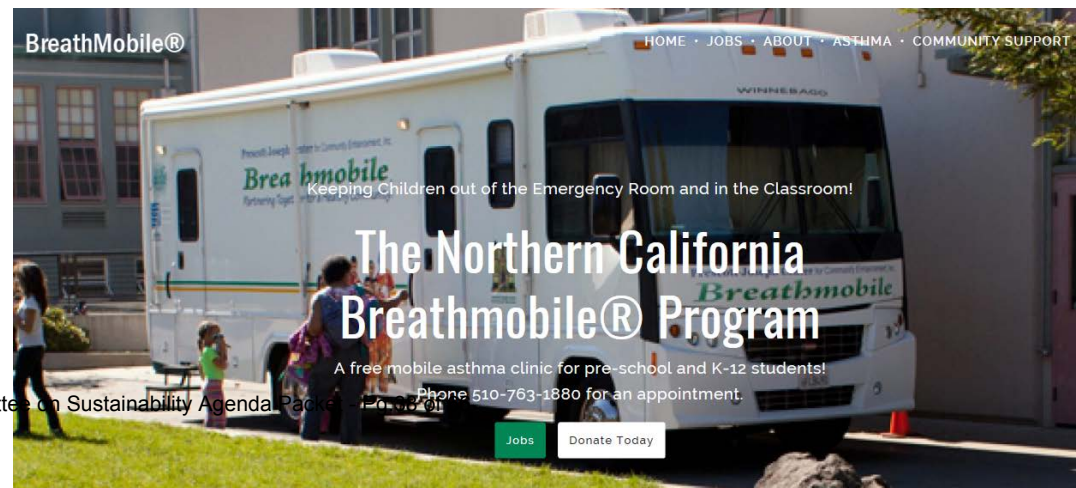
# Community Interventions

## Addressing Indoor and outdoor environments where we live:

- Breathmobile
- Weatherization Programs
- Community Education
- Healthy Home Programs

# Breathmobile

- Staffed by asthma specialists, the BreathMobile® visits pre-schools and K-12 schools every 4-6 weeks seeing children with asthma.
- The program provides a full-service asthma evaluation, treatment and education for asthma.
- Every patient leaves with an asthma action plan, medication, or means to obtain medication; all at no charge to the patient.
- Education about their disease, asthma triggers, as well as medication for families without a healthcare plan, which is provided at no charge



# Breathmobile

The BreathMobile has worked in West Contra Costa County for five years

Starting this fall will also be at Pittsburg Unified School District sites and the Monument Crisis Center



BreathMobile®

HOME · JOBS · ABOUT · ASTHMA · COMMUNITY SUPPORT

Keeping Children out of the Emergency Room and in the Classroom!

## The Northern California Breathmobile® Program

A free mobile asthma clinic for pre-school and K-12 students!

Phone 510-763-1880 for an appointment.

Jobs

Donate Today

# Indoor air quality

Energy Efficiency programs in the Department of Conservation and Development

***Housing conditions play a significant role in health.***

Indoor moisture and mold contribute to asthma;

- Inadequate ventilation increases exposure to indoor and outdoor air pollution and increases moisture and mold
- Pests, such as cockroaches, can worsen asthma symptoms;
- Improper heating and cooling combine with temperature extremes from climate change that can worsen asthma symptoms



# Indoor air quality

California Department of Community Services and Development (CSD) administers several programs with different state and federal funding sources:

- The Low-Income Weatherization Program (LIWP)
- Low-Income Home Energy Assistance Program (LIHEAP) Weatherization Program
- Weatherization Assistance Program (WAP)

Contra Costa Health Services launched a pilot project in 2016 to help public health nurses connect patient to these weatherization programs.

Other jurisdictions (Baltimore, Marin) have initiated “healthy homes” (whole house) programs.

# Community warnings/education around wildfire smoke



# View of Mt. Diablo: August 4, 2018 (Mendocino complex fire)



# View of Mt. Diablo: September 29, 2013 (Morgan fire)



# Community messaging during unhealthy air days (wildfire smoke, ozone, etc.)

## AIR QUALITY IN THE BAY AREA IS UNHEALTHY FOR PEOPLE WITH RESPIRATORY CONDITIONS

- People with pre-existing respiratory illnesses like asthma should reduce outdoor activities
- Everyone, especially children, should reduce physical exertion



For current air quality in your area visit [airnow.gov](http://airnow.gov) or [sparetheair.org](http://sparetheair.org)

09-24-18 Ad Hoc Committee on Sustainability Agenda Packet - Pg.45 of 66

# Aligning our messaging with that from the Bay Area Air Quality Management District



## Air Quality Index

The Air Quality Index, or AQI, much like an air quality "thermometer", translates daily air pollution concentrations into a number on a scale between 0 and 500. The numbers in this scale are divided into six color-coded ranges, with numbers 0-300 as seen below.

(0-50)

Good

No health impacts are expected when air quality is in this range.

(51-100)

Moderate

Unusually sensitive people should consider limiting prolonged outdoor exertion.

(101-150)

Unhealthy for Sensitive Groups

Active children and adults, and people with respiratory disease, such as asthma, should limit outdoor exertion.

(151-200)

Unhealthy

Active children and adults, and people with respiratory disease, such as asthma, should avoid prolonged outdoor exertion; everyone else, especially children, should limit prolonged outdoor exertion.

(201-300)

Very Unhealthy

Active children and adults, and people with respiratory disease, such as asthma, should avoid all outdoor exertion; everyone else, especially children, should limit outdoor exertion.

# Community messaging during unhealthy air days (wildfire smoke, ozone, etc.)

## Air Quality Index per BAAQMD

The Air Quality Index, or AQI, much like an air quality "thermometer", translates daily air pollution concentrations into a number on a scale between 0 and 500. The numbers in this scale are divided into six color-coded ranges, with numbers 0-300 as seen below.

AQI	Health Impacts	Messaging	Audiences
Good 0-50	No expected health impacts	None	None
Moderate 51-100	Unusually sensitive people may be affected	Visit <a href="http://airnow.gov">airnow.gov</a> for current air quality information in your zip code. A regional, two-day forecast is also available at <a href="http://sparetheair.org">sparetheair.org</a> . Unusually sensitive people should reduce prolonged or heavy exertion.	County staff, public employers Office of Education, school districts, daycares
Unhealthy for Sensitive Groups 101-150	Active children and adults and people with respiratory disease such as asthma may be affected.  People who work or live outdoors may be affected.	Active children and adults, and people with respiratory disease such as asthma, should reduce outdoor activity. Visit <a href="http://airnow.gov">airnow.gov</a> for current air quality information in your zip code. A regional, two-day forecast is also available at <a href="http://sparetheair.org">sparetheair.org</a> .	County staff, public employers Office of Education, school districts, daycares Health clinics, hospitals, SNFs, healthcare providers Disabilities Council, AFN community 211, CCHP Advice Nurses
Unhealthy	Active children and adults, and people with respiratory disease such as asthma will likely be affected.  People who work or live outdoors will likely be affected.  People in general may be affected.	Active children and adults, and people with respiratory disease should reduce prolonged outdoor activity. Everyone, especially children, should avoid prolonged outdoor activity. Masks are not a substitute for staying indoors. Masks such as the N-95 are not effective for untrained users and may be dangerous for people with lung or heart conditions. N-95 masks may be helpful for people who must work outdoors if properly fitted. Employees should work with their employers for direction on when/how to use N-95 masks.	General public County staff, public employers Office of Education, school districts, daycares Health clinics, hospitals, SNFs, healthcare providers Disabilities Council, AFN community 211, CCHP Advice Nurses
Very Unhealthy	Active children and people with respiratory disease, such as asthma, should stay indoors, or wear a mask if outdoors is unavoidable.  People who work or live outdoors should wear a mask if outdoors talk to your healthcare provider before wearing a mask. Masks are not a substitute for staying indoors.  Masks such as the N-95 are not effective for untrained users and may be dangerous for people with lung or heart conditions N-95 masks may be helpful for people who must work outdoors if properly fitted. Employees should work with their employers for direction on when/how to use N-95 masks.  Seek medical attention if ...	Active children and people with respiratory disease, such as asthma, should stay indoors, or wear a mask if outdoors is unavoidable. People who work or live outdoors should wear a mask if outdoors talk to your healthcare provider before wearing a mask. Masks are not a substitute for staying indoors. Masks such as the N-95 are not effective for untrained users and may be dangerous for people with lung or heart conditions N-95 masks may be helpful for people who must work outdoors if properly fitted. Employees should work with their employers for direction on when/how to use N-95 masks. Seek medical attention if ...	General public County staff, cities and special districts Office of Education, school districts, daycares Health clinics, hospitals, SNFs, healthcare providers Disabilities Council, AFN community 211

**DRAFT**

# Clinical Interventions

## Focusing on known asthma patients

- PerformRx Medication Management for Asthma
- Pediatric Asthma Home Visiting Program - West County Pilot
- The Quality Incentive Program (QIP)
- The Richmond Environment and Asthma Community Health (REACH) Study



# CCHP's Population Health Management (PHM) Programs for Asthma

- **PerformRx Medication Management for Asthma**
- Launched July 2, 2018
- PerformRx pharmacists review member profiles and conduct telephonic outreaches
- The pharmacist addresses adherence issues, gaps in care, patient medication regimens
- PerformRx pharmacists will make referrals via the Case Management department to country resources including the weatherization program to address in-home environmental triggers
- Health plan outreach to patients who have an unfavorable ratio of medication fills for rescue meds versus controlling meds (HEDIS measure) leveraging Pharmacy Benefits Manager (PBM) data

# CCHP's Population Health Management (PHM) Programs for Asthma

- **Pediatric Asthma Home Visiting Program - West County Pilot**
- A small pilot (20 members), launched in late July 2018.
- Targets Medi-Cal children with uncontrolled asthma (based on ED and inpatient admissions for asthma in the previous 12 months).
- During the pilot a CCHP nurse will provide the following:
  - Asthma education to families
  - In-home inspections for asthma triggers (i.e. mold, pests, dust, etc.)
  - Referrals to the weatherization program, housing, employment, etc.
  - Linkage and coordination with primary care physician and pharmacist
  - Provision of tools to address indoor triggers (i.e. HEPA vacuums, green cleaning kits, allergen-proof bedding covers, food-storage containers)
- If the program is found to be successful it is hoped that this intervention will be made available to all pediatric members with uncontrolled asthma.

# Quality Incentive Program (QIP)

What is QIP?

- In April of 2016, the federal Centers for Medicare & Medicaid Services (CMS) published the Medicaid and CHIP Managed Care Final Rule.
- The managed care rule limits the ability of states to direct payments to health care providers, unless certain conditions are met. Among the allowable exceptions are payments tied to performance.
- The Quality Incentive Program (QIP) is intended to replace at least the levels of certain supplemental funding public health care systems received in managed care prior the implementation of the managed care rule.
- 2017-2018 was the first year of QIP, pay for reporting only on all measures

# Asthma QIP Metric

- Uses an Asthma Medication Ratio, precise metric specs undergoing changes
- Currently pay for reporting, in the future will be pay for performance
- Goal to have asthma patients filling “controller” medications regularly as opposed to only using “rescue”

# Asthma QIP Metric

- Interventions in process/planned/proposed:
  - Provider education on prescribing practices
  - Patient education about the difference between different types of asthma medication
  - Behavioral coaching to encourage use of controller medications even though they don't cause the same immediate physical sensation that a rescue medication can provide.
  - Electronic Health Record tools within ccLink:
    - Standardized tools for proper classification of asthma and well as effective monitoring: Childhood Asthma Control Test, Asthma Control Questionnaire, Pediatric Quality of Life Questionnaire
    - Asthma Action Plan
    - Asthma SmartSet

# Collaboration Opportunity: The Richmond Environment and Asthma Community Health (REACH) Study

- Current study in Richmond with asthma as the primary outcome headed by Dr. Neeta Thakur from UCSF
- Dr. Thakur's research focuses on:
  - 1) Determining the social and environmental stressors that contribute to poor asthma outcomes and defining the mechanism by which they contribute to disease;
  - 2) Identifying health inequalities in the management of patients with asthma; and
  - 3) Designing and evaluating interventions aimed at reducing asthma exacerbations rates in under-represented populations.
- Partnering with Lifelong Medical Clinic in Richmond

# Past Asthma Efforts

- Community Action to Fight Asthma (CAFA)
- 2002-2009
- Funded by a grant from The California Endowment
- Trained community residents from West Contra Costa County who conducted workshops on asthma triggers in the community.
- Asthma Advocates conducted asthma trigger check-ups in the homes of residents in West County
- Supported a Contra Costa Asthma Coalition composed of parents, child-care providers, school officials, health care providers, environmental groups, and residents concerned with addressing the environmental aspects of childhood asthma.



# What more can we do in the future? (that will be effective and sustainable)

- Must be comprehensive and coordinated
- Should partner with the community, schools and community groups
- Should focus on the upstream social determinates of asthma prevention and asthma control
- Use proven, evidence-based interventions
- Involve education, policy, interventions
- Track measurable outcomes: decreased ER visits and hospital admissions, increase in school and work attendance, improved self reported health status
- Develop a financing model that sustains interventions



# What more can we do in the future? (possible interventions)

- In home assessments
- Explore “healthy homes” programs that combine energy efficiency, weatherization, social services, etc.
- Targeted in home remediation
- School based education and clinical services
- Pre-school age education, remediation of triggers, asthma action plans
- Workplace environment trigger remediation
- Community education
- Targeted outreach and case management
- Policy advocacy



# Contra Costa County Board of Supervisors

## Subcommittee Report

### AD HOC COMMITTEE ON SUSTAINABILITY

5.

**Meeting Date:** 09/24/2018

**Subject:** RECEIVE REPORT on Greenhouse Gas Reduction Fund grant opportunities and PROVIDE DIRECTION to staff, as appropriate.

**Submitted For:** Jody London, Sustainability Coordinator

**Department:** Conservation & Development

**Referral No.:**

**Referral Name:**

**Presenter:** Jody London, DCD

**Contact:** Jody London (925) 674-7871

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#### **Referral History:**

N/A

#### **Referral Update:**

The Legislature in July approved a Fiscal Year 2018-2019 allocation of \$1.46 billion in Greenhouse Gas Reduction Funds (GGRF) generated by California's Cap and Trade program to reduce emissions of greenhouse gases. The attached chart outlines the programs and amounts. The County operates and participates in a range of programs that may be eligible for these funds; in some instances eligibility might be directly through a County department that would apply for and manage the grant (if awarded). In other instances eligibility might through an entity with which the County works – non-profit, another public agency, research organization – and the County is a partner and/or supporter.

As State agencies develop their solicitations, they often ask for public comment on how they propose to structure the grant opportunity. Participating at this stage can help structure grant opportunities so County projects are more likely to qualify. State agencies will likely begin developing plans for the 18-19 GGRF grant programs in the next several months.

In prior years, County departments have decided whether to submit grant applications for GGRF funding based on program design, staff capacity to take on grant development tasks, and prior experience with the grant program and sponsoring State agency. The Ad Hoc Committee on Sustainability may wish to direct departments to report on which GGRF grant opportunities they intend to apply for in FY 18-19.

#### **Recommendation(s)/Next Step(s):**

RECEIVE REPORT on Greenhouse Gas Reduction Fund grant opportunities and PROVIDE DIRECTION to staff, as appropriate.

**Fiscal Impact (if any):**

Pursuing grants will involve expenditure of staff time spent preparing the grant proposal, as well as participating in meeting, workshops, or other venues to provide input to the administering agency before the grant opportunity is released.

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**Attachments**

18-19 Greenhouse Gas Reduction Fund Allocations

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## FY 18-19 Cap & Trade Expenditure Fund Chart

Investment Category	Department	Program	Amount <i>(millions)</i>
<b>Air Toxic and Criteria Air Pollutants</b>	Air Resources Board	AB 617 – Community Air Protection Implementation Funding for Local Air Districts	\$20
		Climate Change and Community Air Protection Programs	\$32.4
		Technical Assistance Grants to Community Groups in Disadvantaged Communities	\$10
		Woodsmoke Reduction Program	\$3
		Financial Incentives to Reduce Mobile and Stationary Sources of Criteria Pollutants in Disadvantaged Communities	\$245
<b>Low Carbon Transportation</b>	Air Resources Board	Clean Vehicle Rebate Project	\$200
		Clean Trucks, Buses, & Off-Road Freight Equipment	\$125
		Enhanced Fleet Modernization Program, School Buses & Transportation Equity Projects	\$75
		Freight Equipment Advanced Demonstration and Pilot Commercial Deployment Project	\$55
	Energy Commission	Low Carbon Fuel Production	\$12.5
<b>Climate Smart Agriculture</b>	Air Resources Board	Agricultural Diesel Engine Replacement & Upgrades	\$112
	Energy Commission	Energy Efficiency Grants to Food Processors	\$68
	Department of Food and Agriculture	Healthy Soils Program	\$5
	Energy Commission	Renewable Energy	\$4
<b>Healthy Forests</b>	CAL FIRE	State And Local Healthy Forest And Fire Prevention Programs to Improve Forest Health And Reduce GHGs Caused By Uncontrolled Wildfires.	\$165
	CAL FIRE	Prescribed Burns and Fuel Reduction Projects	\$30
	CAL FIRE	State Responsibility Area Funding	\$28
	CalOES	Local Fire Response and Mutual Aid	\$25
	Natural Resources	Urban Greening Programs	\$20

	Natural Resources	Implementation of the Forest Carbon Plan	\$20
<b>Short-Lived Climate Pollutants</b>	Department of Food and Agriculture	Methane Reduction	\$99
	CalRecycle	Organic Waste Diversion	\$25
<b>Integrated Climate Action: Mitigation &amp; Resilience</b>	Strategic Growth Council	Transformative Climate Communities	\$40
	California Conservation Corps	Training and Work Program	\$8.5
	Strategic Growth Council	Research on reducing carbon emissions, funding for the Affordable Housing and Sustainable Communities Program, and technical assistance for disadvantaged communities.	\$21.16
	Department of Fish & Wildlife	Wetland Restoration Projects	\$5
	California Coastal Commission	Coastal Management Program	\$1.5
	State Coastal Conservancy	Climate Ready Program	\$3
	San Francisco Bay Conservation and Development Commission	Bay Conservation And Local Assistance	\$500K
<b>Clean Energy</b>	Department of Community Services and Development	Energy Program Administrative Costs	\$500K
	Department of Community Services and Development	Low-Income Solar And Multi-Family Weatherization Programs.	\$9.5
<b>TOTAL:</b>			<b>\$1.46 Billion</b>



# Contra Costa County Board of Supervisors

## Subcommittee Report

### AD HOC COMMITTEE ON SUSTAINABILITY

6.

**Meeting Date:** 09/24/2018

**Subject:** RECEIVE REPORT from Sustainability Commission Chair.

**Department:** Conservation & Development

**Referral No.:**

**Referral Name:**

**Presenter:** Jody London, DCD

**Contact:** Jody London (925) 674-7871

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#### **Referral History:**

The Ad Hoc Committee on Sustainability has asked the Sustainability Commission to provide a report on its deliberations at each Committee meeting.

#### **Referral Update:**

The Sustainability Commission on August 18 held a retreat to discuss how it can better meet its mission of advising the Board of Supervisors and staff on implementation of the Climate Action Plan, realizing equity and fairness across the diverse communities of Contra Costa County in sustainability programs, and better engaging County residents and businesses on sustainability issues. A summary of the Retreat outcomes is attached.

#### **Recommendation(s)/Next Step(s):**

RECEIVE REPORT from Sustainability Commission Chair.

#### **Fiscal Impact (if any):**

N/A

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#### **Attachments**

Sustainability Commission Retreat Outcomes

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## **DISCUSSION ON THE CAROUSEL WORK LED TO A NUMBER OF ACTION**

**RECOMMENDATIONS.** *These are formatted, slightly adjusted from wall transcription, in an effort to best capture the recommendations. Review of them to finalize and affirm is encouraged. The idea of seeing these actions as pointing to work on specific goals of the Commission emerged in the Discussion and is captured here. If this framework is kept, some further clarity and better GOAL statements might help define the work.*

### **I. GOAL: Support Update of CAP**

#### **I. A. Convene municipalities to review, together, their CAPS, sharing common concerns and partnership to find solutions together.**

This will be done with attention to equity (use equity frame) and community engagement and include a public health perspective. Consideration will be given to inviting the Climate Justice Alliance to speak at this event.

**Lead Commissioners:** Kathy Cutting, Wes Sullens, Howdy Goudey.

**Supporting action:** Doria will send the example of Richmond's plan for how to integrate attention to health throughout the plan.

### **II. GOAL: Improve structure and operations of the Commission**

#### **II. A. Create a template for presentations. (and post presentation discussion and next steps identification).**

It will include questions the Commission wants answered, addressing topics like CAP measure, explain fit with CAP and experience in implementing the CAP, equity, public engagement, possible roadblocks (what can get in your way?) and what presenter needs from Commission, in line with Commission role.

**Lead Commissioners:** Nick Despota, Doria Robinson, Nick Snyder. Jody a resource.

#### **II. B. Beyond Q&A, ensure internal discussion among Commissioners on the topic and next steps. Identify a point person to follow up with the Dept., as appropriate. Formulate clear "next steps" in line with Commission role.**

This discussion directed the template mentioned in A to also include the generic questions that are used in this discussion to meet its purpose.

#### **II. C. To support follow up and follow through on agenda actions and topics, Staff will make and agenda item for follow up in Commission meetings. A tracking sheet of action items and topics will be created by staff in excel.**

**Lead Commissioner to help staff:** Nick Snyder

#### **II. D. Clarify communications and work with Ad Hoc Committee. Staff will provide agenda item at each meeting to determine topics of discussion to share at Ad Hoc Committee. The report will include a summary of what Commission as done and issues that arose. The Ad Hoc Committee will be asked if there are areas where we might align on specific topics/issues**

**to advance common work.**

*(this latter action was agreed upon after a lot of discussion that pointed to the wish to work with the BOS through the Ad Hoc Committee but at the same time to be sure that the Commission maintains independence of its work.)*

**Lead Commissioner:** Sustainability Commission Chair

### **III. GOAL: Activate Commission role in Community Engagement.**

#### **III. A. Gather information on current status of engagement plans in the CAP in Depts.**

**Lead Commissioners:** Ryan Buckley, Travis Curran, Harry Thurston, Gretchen Logue

Discussion occurred around a query about Commissioners' role in visiting groups such as Chambers of Commerce to educate about county and Commission work and elicit views from these groups. Discussion reaffirmed the primary role of the Commission to provide suggestions on stakeholder engagement to staff and recognized that Commission members can also do outreach to groups if they wish. In review, it was also suggested that this outreach could show up in written or web based communications as well.

It was noted that the Commission's role on business and resident engagement is addressed in Goals I and II by including queries on this topic, and raising it as an area of action within a CAP and providing opportunity for the Commission to follow up on these issues with Departments implementing the CAP.

### **IV. GOAL: Develop/ adopt an equity frame for the Commission's work**

#### **IV. A. Invite the Climate Justice Alliance to a meeting as soon as is possible to learn of their work and their equity frame. Invite staff from other County departments to attend as well.**

**Lead Commissioner:** Doria Robinson

### **V. Participate in the General Plan Update.**





# Contra Costa County Board of Supervisors

## Subcommittee Report

### AD HOC COMMITTEE ON SUSTAINABILITY

7.

**Meeting Date:** 09/24/2018  
**Subject:** RECEIVE REPORT from County Sustainability Coordinator.  
**Submitted For:** Jason Crapo, County Building Official  
**Department:** Conservation & Development  
**Referral No.:**  
**Referral Name:**  
**Presenter:** Jody London, DCD                      **Contact:** Jody London (925) 674-7871

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#### **Referral History:**

The Ad Hoc Committee on Sustainability has requested an update at each meeting on sustainability work by County staff.

#### **Referral Update:**

- \* Continued working with consultants and County staff on Renewable Resource Potential Study. The final stakeholder meeting is September 27. The report is expected to be completed in early October, and staff anticipates briefing the Board of Supervisors later in October. Staff will initiate work with communities that have potential community energy projects in October, in consultation with the Supervisors in whose districts those communities are located.
- \* Helped organize and facilitate the Sustainability Commission retreat on August 18, 2018, and meeting on August 27, 2018.
- \* Assisted in developing response to proposed reduction by PG&E in funding for local government energy efficiency partnerships. Loss of these funds would make it very difficult for many cities and counties to continue working on energy and climate programs and projects that support local and State goals.
- \* Worked with the Contra Costa Transportation Authority (CCTA) on developing and releasing the Request for Proposals for the Electric Vehicle Readiness Blueprint. Proposals are due September 18. CCTA anticipates recommending a consultant for the project to its Board in mid-October. Staff also held an initial meeting with partners in the EV Workforce Development strategy that is part of this project, and participated in a kickoff meeting with the California Energy Commission.
- \* Presented at the following events: California Public Utilities Commission (CPUC) webinar for local governments on the importance of participating at the CPUC; California Adaptation Forum; Bay Planning Coalition Energy and Water Nexus Summit. Staff also participated in events associated with the Global Climate Action Summit, including the We Are Still In coalition, which

the County joined in 2017.

- \* Worked with staff at the Bay Area Air Quality Management District and in the County to develop the contract for Cleaner Contra Costa, an online engagement program being funded through a Climate Protection Grant. Also began developing sub-contracts with partners in this project: the cities of Antioch, San Pablo, Walnut Creek, as well as Sustainable Contra Costa and Community Climate Solutions.
- \* Facilitated meeting with Supervisors who represent Eastern Contra Costa County, County staff, and staff of the Federal Reserve Bank of San Francisco, Community Development Division to explore areas of potential collaboration.
- \* Attended Sustainable Contra Costa Gala, at which awards were presented to two groups nominated by the Sustainability Commission. The North Richmond Watershed Connections Project, in which the County is a lead partner, received a Sustainable Communities award, and the students from the Alhambra High School Public Health Academy received a Rising Stars award for their work on the Idle Free Pledge.
- \* On September 12, DCD and Health Services welcomed Maya Foo, our CivicSpark Fellow for the next year. Ms. Foo will be working on energy efficiency projects in County facilities. She will spend most of her time continuing and expanding the pilot program started last year to integrate the County's energy efficiency work in the community with Public Health Nursing to enroll medically vulnerable populations in the County's weatherization program. She will summarize our energy efficiency programs and develop training materials for various County staff who interact with clients in their home environments.
- \* Collaborated with County staff working on topics including land use and transportation, hazardous materials, green business program, economic development, Planning Integration Team for Community Health (PITCH), codes, solid waste, energy.
- \* Participated in regional activities.

**Recommendation(s)/Next Step(s):**

RECEIVE REPORT from County Sustainability Coordinator.

**Fiscal Impact (if any):**

None.

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**Attachments**

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*No file(s) attached.*

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