



AD HOC COMMITTEE ON SUSTAINABILITY

August 22, 2016

12:30 - 2:00 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
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1. Introductions
2. **Public Comment** on any item under the jurisdiction of the Ad Hoc Committee and not on this agenda (speakers may be limited to three minutes).
3. **Administrative Items, if applicable.** (Jody London, Department of Conservation and Development)
4. **REVIEW and APPROVE record of meeting for September 14, 2015, Ad Hoc Sustainability Committee Meeting.** This record was prepared pursuant to the Better Government Ordinance 95-6, Article 25-205 (d) of the Contra Costa County Ordinance Code. Any handouts or printed copies of testimony distributed at the meeting will be attached to this meeting record. (Jody London, Department of Conservation and Development).
5. **REVIEW and APPROVE record of meeting for April 25, 2016, Ad Hoc Sustainability Committee Meeting.** This record was prepared pursuant to the Better Government Ordinance 95-6, Article 25-205 (d) of the Contra Costa County Ordinance Code. Any handouts or printed copies of testimony distributed at the meeting will be attached to this meeting record. (Jody London, Department of Conservation and Development).
6. **RECEIVE update on activities of Sustainability Coordinator.** (Jody London, Department of Conservation and Development)

7. **RECEIVE update on funding opportunities associated with the Climate Action Plan and Sustainability.** (Jody London, Department of Conservation and Development)
8. **DIRECT staff to reconvene the interdepartmental Climate Action Plan Working Group and return with a report on progress to date in achieving Climate Action Plan goals and where additional resources would be beneficial.** (Jody London, Department of Conservation and Development)
9. **RECEIVE report from staff recommending that the Ad Hoc Sustainability Committee recommend to the Board of Supervisors the establishment of a Citizen Advisory Committee on Sustainability.** (Jody London, Department of Conservation and Development)
10. **DISCUSS SB 32, Climate Pollution Reduction Beyond 2020, and CONSIDER referral to the Board of Supervisors.** (Jody London, Department of Conservation and Development)
11. **ADJOURN to next meeting date, if established by the Ad Hoc Committee on Sustainability.**

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.

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Public comment may be submitted via electronic mail on agenda items at least one full work day prior to the published meeting time.

Glossary of Acronyms, Abbreviations, and other Terms (in alphabetical order)

Contra Costa County has a policy of making limited use of acronyms, abbreviations, & industry-specific language in meetings of its Board of Supervisors & Committees. Following is a list of commonly used abbreviations that may appear in presentations & written materials at meetings of the Ad Hoc Sustainability Committee:

AB Assembly Bill	HOT High-Occupancy/Toll
ABAG Association of Bay Area Governments	HOV High-Occupancy-Vehicle
ACA Assembly Constitutional Amendment	HSD Contra Costa County Health Services Department
ADA Americans with Disabilities Act of 1990 BAAQMD Bay Area Air Quality Management District	HUD United States Department of Housing and Urban Development
BART Bay Area Rapid Transit District	IPM Integrated Pest Management
BCDC Bay Conservation & Development Commission	JPA/JEPA Joint (Exercise of) Powers Authority or Agreement
BDCP Bay-Delta Conservation Plan	Lamorinda Lafayette-Moraga-Orinda Area
BGO Better Government Ordinance (Contra Costa County)	LAFCo Local Agency Formation Commission
BOS Board of Supervisors	LCC League of California Cities
CALTRANS California Department of Transportation	LTMS Long-Term Management Strategy
CAER Community Awareness Emergency Response	MAC Municipal Advisory Council
CAO County Administrative Officer or Office	MBE Minority Business Enterprise
CAP Climate Action Plan	MOA Memorandum of Agreement
CCA Community Choice Aggregation	MOE Maintenance of Effort
CCE Community Choice Energy	MOU Memorandum of Understanding
CCTA Contra Costa Transportation Authority	MTC Metropolitan Transportation Commission
CCWD Contra Costa Water District	NACo National Association of Counties
CDBG Community Development Block Grant	NEPA National Environmental Protection Act
CEQA California Environmental Quality Act	PDA Priority Development Area
CFS Cubic Feet per Second (of water)	PV Photovoltaic
CSA County Service Area	PWD Contra Costa County Public Works Department
CSAC California State Association of Counties	RDA Redevelopment Agency or Area
CTC California Transportation Commission	RFI Request For Information
DCC Delta Counties Coalition	RFP Request For Proposals
DCD Contra Costa County Dept. of Conservation & Development	RFQ Request For Qualifications
DPC Delta Protection Commission	SB Senate Bill
DSC Delta Stewardship Council	SBE Small Business Enterprise
DWR California Department of Water Resources	SGC Strategic Growth Council
EBMUD East Bay Municipal Utility District	SR2S Safe Routes to Schools
EIR Environmental Impact Report (a state requirement)	SWAT Southwest Area Transportation Committee
EIS Environmental Impact Statement (a federal requirement)	TRANSPAC Transportation Partnership & Cooperation (Central)
FEMA Federal Emergency Management Agency	TRANSPAC Transportation Planning Committee (East County)
FTE Full Time Equivalent	TWIC Transportation, Water, and Infrastructure Committee
FY Fiscal Year	U.S. EPA United States Environmental Protection Agency WBE
GHG Greenhouse Gas	Women-Owned Business Enterprise
GGRF Greenhouse Gas Reduction Funds	WCCTAC West Contra Costa Transportation Advisory Committee
GIS Geographic Information System	

For Additional Information Contact:

Jody London, Committee Staff
Phone (925) 674-7871, Fax (925) 674-7250
Jody.London@dcd.cccounty.us



Contra Costa County Board of Supervisors

Subcommittee Report

AD HOC COMMITTEE ON SUSTAINABILITY

3.

Meeting Date: 08/22/2016

Subject: Administrative Items, if applicable.

Submitted For: John Kopchik, Director, Conservation & Development Department

Department: Conservation & Development

Referral No.: N/A

Referral Name: N/A

Presenter: Jody London, Sustainability Coordinator, **Contact:** Jody London
DCD (925)674-7871

Referral History:

This is an Administrative Item of the Committee.

Referral Update:

Staff will review any items related to the conduct of Committee business.

Recommendation(s)/Next Step(s):

CONSIDER Administrative items and Take ACTION as appropriate.

Fiscal Impact (if any):

N/A

Attachments

No file(s) attached.



Contra Costa County Board of Supervisors

Subcommittee Report

AD HOC COMMITTEE ON SUSTAINABILITY

4.

Meeting Date: 08/22/2016

Subject: REVIEW and APPROVE record of meeting for September 14, 2015, Ad Hoc Sustainability Committee Meeting.

Submitted For: John Kopchik, Director, Conservation & Development Department

Department: Conservation & Development

Referral No.: N/A

Referral Name: N/A

Presenter: Jody London, Sustainability
Coordinator, DCD

Contact: Jody London
(925)674-7871

Referral History:

County Ordinance (Better Government Ordinance 95-6, Article 25-205, [d]) requires that each County Body keep a record of its meetings. Though the record need not be verbatim, it must accurately reflect the agenda and the decisions made in the meeting.

Referral Update:

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Recommendation(s)/Next Step(s):

Staff recommends approval of the attached Record of Action for the September 14, 2015, Committee Meeting with any necessary corrections.

Fiscal Impact (if any):

N/A

Attachments

September Record of Action

AD HOC COMMITTEE ON SUSTAINABILITY

September 14, 2015

3:30 P.M.--5:00 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
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Present: John Gioia, Supervisor, District I
Absent: Federal D. Glover, Supervisor, District V
Staff Present: Will Nelson, Principal Planner
Jamar Stamps, Senior Planner, DCD
John Kopchik, Director, DCD
Jason Crapo, Deputy Director, DCD
Lara DeLaney, Senior Deputy County Administrator

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. REVIEW and ACCEPT the Record of Action from the June 22, 2015 meeting.

Supervisor Gioia accepted the Record of Action as presented.
4. RECOMMEND the Ad Hoc Committee on Sustainability recommend that the

Board of Supervisors adopt local amendments to the 2013 California Green Building Standards Code requirements for electric vehicle supply equipment.

Supervisor Gioia directed staff to send the item to the Board of Supervisors for Discussion, as amended to provide more specificity as to non-residential construction requirements.

5. ACCEPT the report on the status of the CAP; and PROVIDE comments on the CAP and additional direction to staff as necessary.

Supervisor Gioia requested that a map of disadvantaged communities be included and that staff be clear about the Base Year being 2005. Staff indicated this item would go to the Board of Supervisors in November for an update on the status of the Climate Action Plan.

6. **The next meeting is not currently scheduled.** This Committee is an Ad Hoc Committee and, as such, does not have a regular meeting schedule.

7. Adjourn

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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

5.

Meeting Date: 08/22/2016

Subject: REVIEW and APPROVE record of meeting for April 25, 2016, Ad Hoc Sustainability Committee Meeting.

Submitted For: John Kopchik, Director, Conservation & Development Department

Department: Conservation & Development

Referral No.: N/A

Referral Name: N/A

Presenter: Jody London, Sustainability
Coordinator, DCD

Contact: Jody London
(925)674-7871

Referral History:

County Ordinance (Better Government Ordinance 95-6, Article 25-205, [d]) requires that each County Body keep a record of its meetings. Though the record need not be verbatim, it must accurately reflect the agenda and the decisions made in the meeting.

Referral Update:

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Recommendation(s)/Next Step(s):

Staff recommends approval of the attached Record of Action for the April 25, 2016, Committee Meeting with any necessary corrections.

Fiscal Impact (if any):

N/A

Attachments

April Record of Action

D R A F T

AD HOC COMMITTEE ON SUSTAINABILITY

April 25, 2016

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
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Present: John Gioia, Supervisor, District I
Federal D. Glover, Supervisor, District V

Staff Present: Lara DeLaney, Senior Deputy County Administrator
Michael Kent, Hazardous Materials Ombudsman
Maureen Toms, Department of Conservation and Development
Robert Sarmiento, Department of Conservation and Development
John Steere, Department of Public Works

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. Staff recommends the committee **RECEIVE** the prospectus for a North Richmond Urban Greening and Resiliency Plan and **ENDORSE** the Plan as a pilot project for implementing selected goals of the County's Climate Action Plan.

The Plan was endorsed by the Committee. The Committee directed staff to

identify and pursue funding opportunities for implementation of the Plan, focusing on resiliency, urban greening, and green infrastructure.

4. ACCEPT the report on the Affordable Housing and Sustainable Communities program and provide direction to staff, as needed.

The Committee directed staff to develop a list of the projects the County would be submitting grant applications for, by funding category. The Committee also directed that staff be provided the League of Cities' guide to Cap-and-Trade programs.

5. The next meeting is not currently scheduled, as this Ad Hoc committee meets as needed.

6. Adjourn

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Contra Costa County Board of Supervisors

Subcommittee Report

AD HOC COMMITTEE ON SUSTAINABILITY

6.

Meeting Date: 08/22/2016
Subject: RECEIVE update on activities of Sustainability Coordinator
Submitted For: John Kopchik, Director, Conservation & Development Department
Department: Conservation & Development
Referral No.: none
Referral Name: RECEIVE update on activities of Sustainability Coordinator.
Presenter: Jody London, Sustainability Coordinator, DCD **Contact:** Jody London (925)674-7871

Referral History:

Herein is a report updating the Committee on the work of the County's Sustainability Coordinator, who is overseeing implementation of the County's Climate Action Plan.

BACKGROUND:

On October 13, 2015, Board of Supervisors approved creation of the new position of Sustainability Coordinator, to be housed in the Department of Conservation and Development (DCD). While DCD is the host for this position, the Sustainability Coordinator is expected to work with staff across the County. Specific expectations of this position include:

1. Facilitate and Support Interdepartmental Collaboration on Countywide Sustainability Programs and Initiatives:
 - *Staff the Board of Supervisors Ad Hoc Committee on Sustainability.*
 - *Facilitate County staff coordination to County sustainability activities.*
 - *Coordinate multi-departmental implementation of the County's Climate Action Plan and track progress towards achieving greenhouse gas reduction targets.*
 - *Develop synergies between departmental programs, exchange information, and coordinate communications to the Board of Supervisors on sustainability issues.*
2. Coordinating Efforts to Acquire New Funding to Support County's Sustainability Efforts:
 - *Lead efforts to acquire new funding to support and expand the county's sustainability efforts (especially focusing on the new Cap and Trade funding stream).*
3. Energy Efficiency Programs:
 - *Coordinate County programs providing energy efficiency services to the public and represent the County in regional energy efficiency initiatives.*
4. Policy Development and New Initiatives:
 - *Develop new policies and initiatives to advance the County's climate and energy goals.*
 - *Monitor and participate in development of legislation related to sustainability issues.*

Referral Update:

PROGRESS TO DATE:

Jody London started as the County's Sustainability Coordinator on June 1, 2016. Ms. London has organized her work thus far as described in the report, below.

1. Facilitate and Support Interdepartmental Collaboration on Countywide Sustainability Programs and Initiatives:
 - *Staff the Board of Supervisors Ad Hoc Committee on Sustainability.*
Ms. London has coordinated with the prior staff liaison to the Committee, Lara Delaney, to transition responsibility. Ms. London and DCD staff organized today's hearing, and are ready to continue to support the Ad Hoc Committee as required.
 - *Facilitate County staff coordination to County sustainability activities.*
Ms. London has initiated meetings with County staff across departments who work on sustainability issues. Ms. London has attended meetings of interdepartmental committees that focus on transportation and on health and wellness. DCD is evaluating the best path for strengthening coordination on sustainability activities across the County (see separate item on this agenda).

- *Coordinate multi-departmental implementation of the County's Climate Action Plan and track progress towards achieving greenhouse gas reduction targets.*

This topic will be addressed as a separate item on the agenda for the August 22 meeting of the Ad Hoc Sustainability Committee.

- *Develop synergies between departmental programs, exchange information, and coordinate communications to the Board of Supervisors on sustainability issues.*

As indicated above, Ms. London is gathering information and working with DCD management to identify the best processes for facilitating interdepartmental collaboration and information exchange and communication with the Board of Supervisors.

2. Coordinating Efforts to Acquire New Funding to Support County's Sustainability Efforts:

This topic will be addressed as a separate item on the agenda for the August 22 meeting of the Ad Hoc Sustainability Committee.

3. Energy Efficiency Programs:

- *Coordinate County programs providing energy efficiency services to the public and represent the County in regional energy efficiency initiatives.*

Staff in DCD currently manage a number of energy efficiency programs and initiatives. Ms. London brings considerable experience in this area, and is working with staff to support ongoing work. She also is working with staff to identify areas for new approaches or programs. We look forward to bringing updates to the Committee as this work develops.

4. Policy Development and New Initiatives:

- *Develop new policies and initiatives to advance the County's climate and energy goals.*

Ms. London has begun to monitor and participate in regional initiatives that impact climate and energy goals, including the Adapting to Rising Tides Working Group sponsored by the Bay Area Conservation and Development Commission, and the Bay Area Regional Collaborative, sponsored by the Bay Area Air Quality Management District. As Ms. London becomes more familiar with key County staff and external stakeholders, DCD expects there will be many opportunities to develop new policies and initiatives to advance the County's climate and energy goals. We do not have anything specific to report at this time.

We welcome guidance and ideas from the Committee.

- *Monitor and participate in development of legislation related to sustainability issues.*

Ms. London routinely monitors legislation related to sustainability at the State and Federal levels. She is in communication with the County's legislative lead on sustainability issues in the County Administrator's Office. The Board may wish to consider whether its legislative advocates should be instructed to monitor legislation in Sacramento and Washington, D.C. that could impact the County's climate action and sustainability goals.

Additionally, there are a number of State and regional agencies who manage implementation of sustainability and climate action laws and policies, and control funding opportunities. These include, but are not limited to:

Agency	Example of Programs and Policies that Affect Contra Costa County
Strategic Growth Council	Administers the Affordable Housing Sustainable Communities grant, to which the County in June made a \$12 million application for the Heritage Point project in North Richmond.
California Public Utilities Commission	Oversees investor-owned utilities, including energy efficiency programs that provide funding to the East Bay Energy Watch and the Bay Area Regional Energy Network in both of which the County participate. Has jurisdiction over exit fees that utilities may charge to community choice energy programs, incentives funds and other programs that deploy small-scale renewable energy like solar and related programs.
California Energy Commission	Provides grants for energy-related research and development. Provides low-interest loans for energy projects. Sets building code.
California Environmental Protection Agency	
• California Air Resources Board	Sets policies for programs including Cap and Trade; regulates emissions from various sources, including stationary (industrial plants) and mobile (transportation).
• CalRecycle	Funds numerous recycling and reuse programs, including bottles and cans, oil, used tires.
• Department of Toxic Substances Control	Funds cleanup initiatives, including toxic waste and brownfields mitigation.
• State Water Resources Control Board	Sets water quality standards. Administers grant programs.
California Department of Transportation	Developing bike/pedestrian master plan.
California Department of Education	Administers Safe Routes to School program.

Metropolitan Transportation Commission	Determines how state and federal transportation funds are allocated. Develops programs.
Bay Area Air Quality Management District	Determines how state and federal air quality funds are allocated. Develops programs. Sets air quality standards. Leads interagency efforts such as Bay Area Regional Collaborative.
Bay Conservation and Development Commission	Leading work on Adapting to Rising Tides. Other shoreline development issues.
Association of Bay Area Governments	Administers Bay Area Regional Energy Network. Facilitates other regional initiatives.

There are County staff monitoring some of the above entities, with a focus on specific topics and programs relevant to their work. Ms. London will coordinate with County staff in those areas. She also is tracking State and regional agency activities specific to sustainability and climate action, as well as the U.S. Environmental Protection Agency. Given the breadth of opportunity, if the Committee prefers to see attention focused on specific topics and agencies, that guidance would be helpful.

Recommendation(s)/Next Step(s):

RECEIVE update on activities of the Sustainability Coordinator.

Fiscal Impact (if any):

No fiscal impact at this time.

Attachments

No file(s) attached.



Contra Costa County Board of Supervisors

Subcommittee Report

AD HOC COMMITTEE ON SUSTAINABILITY

7.

Meeting Date: 08/22/2016

Subject: PROVIDE direction regarding strategies for pursuing funds to support Climate Action Plan implementation and other sustainability programs and projects

Submitted For: John Kopchik, Director, Conservation & Development Department

Department: Conservation & Development

Referral No.:

Referral Name: RECEIVE update on funding opportunities associated with the Climate Action Plan and Sustainability.

Presenter: Jody London, Sustainability
Coordinator, DCD

Contact: Jody London
(925)674-7871

Referral History:

There is no referral history for this item.

Referral Update:

BACKGROUND:

In June, the County hired its first Sustainability Coordinator, Jody London, to oversee implementation of the Climate Action Plan the County adopted in December 2015. One of the expectations for the Sustainability Coordinator is to "Lead efforts to acquire new funding to support and expand the county's sustainability efforts (especially focusing on the new Cap and Trade funding stream)." Ms. London, in collaboration with staff from several departments, has identified several grant opportunities, described below. The deadlines for Cap and Trade funds in most sectors were earlier this year.

Future of the Cap and Trade Program

There is debate at the State level about the future of the Cap and Trade program, which is administered by the California Air Resources Board. The scope of regulatory authority provided by AB 32 to require emissions reductions substantially below the 2020 limit is unclear after 2020. The law is clear the 2020 limit remains in effect indefinitely. The Cap and Trade program is not liked by all, and the state Chamber of Commerce is challenging the program in court, while other groups continue to complain about it. The California Chamber of Commerce is claiming that Cap and Trade is basically a tax, and should have been passed by a 2/3 vote of the Legislature, rather than a simple majority.

This issue is anticipated to be a major topic in the final weeks of this legislative session, as some legislators push to pass legislation that would extend the program. The Governor on August 4 announced the possibility of putting the question of extending the Cap and Trade program before the voters, rather than resolving it in the Legislature.

Further complicating the picture, the May Cap and Trade auction yielded significantly less activity, and revenue, than prior auctions. The June auction of reserve allowances was cancelled. The next scheduled auction is August 16. It is not clear when Cap and Trade grant funds will next be available. The Sustainability Coordinator and other staff will continue to monitor Cap and Trade developments.

Cap and Trade Funds In Contra Costa County

According to the California Air Resources Board, nearly \$27.5 million in Greenhouse Gas Reduction Funds have been awarded to 2,778 projects or vouchers in Contra Costa County. This is 1.9 percent of all Greenhouse Gas Reduction funds awarded in California. The projects or vouchers in Contra Costa County include a large number of rebates through the clean vehicle rebate program for personal and fleet vehicles, weatherization of low income homes, and solar installations on low income housing. \$12.3 million has benefitted “disadvantaged communities” as defined by the California Environmental Protection Agency (738 projects), and \$10.5 million of that amount has been awarded to projects located in those disadvantaged communities (145 projects). Attachment A is a table of all Cap and Trade funds awarded in Contra Costa County through December 2015, as reported by the California Air Resources Board.

As a reminder, the table below shows the different programs that the County has been tracking, along with staff leads:

Greenhouse Gas Reduction Fund Program

Low Carbon Transit Operations Program

Affordable Housing and Sustainable Communities

Low Carbon Transportation

Weatherization Upgrades/Renewable Energy

Energy Efficiency in Public Buildings

Agricultural Energy and Operational Efficiency

Water Action Plan - Wetlands & Watershed Restoration

Sustainable Forests

Waste Diversion

County Staff Leads

John Cunningham, DCD

Kara Douglas, DCD

Maureen Toms, DCD

John Cunningham, DCD

Jerry Fahy, PW

Joe Yee, PW

Laura Glass, DCD

Brian Balbas, PW

Andy Green, PW

Chad Godoy, Agriculture

Abby Fateman, DCD

Mike Carlson, PW

George Laing, CCCFPD

Deidra Dingman, DCD

DCD = Dept. of Conservation and Development PW = Dept. of Public Works CCCFPD = Contra Costa County Fire Protection District

Grant Opportunities

Below is a summary of grant opportunities with which the Sustainability Coordinator has assisted to date:

Grant	Granting Entity	Amount, Deadline	Purpose	Lead Department	Status
Affordable Housing and Sustainable Communities	Strategic Growth Council	\$12 million, June 20, 2016	Heritage Point housing, North Richmond	Conservation and Public Works	Awaiting determination of whether proposal will be granted.
Recycled Carpet Product Placement	CA Carpet Stewardship Program	\$50,000. Deadline 9/30.	Test recycled content carpets and floor coverings.	Public Works	Application being prepared.

Targeted Site Investigation Program	CA Dept of Toxic Substances and Control	\$45,000. Deadline 7/11.	Clean up brownfields sites.	Conservation and Development	Not pursuing. Lead staff report all the sites have been investigated, County has no need for this grant.
Brownfields Area-Wide Planning	U.S. EPA	Up to \$200,000. Deadline 8/10.	Planning grants for brownfields re-development.	Conservation and Development	Preparing application helped staff realize the project will be more viable for this type of grant funding when there is stronger linkage between community benefits and reuse opportunities. Guidance from Committee and/or Board would be helpful in this regard. No proposal submitted at this time.
Partners for Places	Urban Sustainability Directors Network, Funders' Network.	\$25,000 - \$75,000 with a 1:1 match required by one or more local, place-based foundations. Bi-yearly application process.	Increase collaboration between local government sustainability programs and local philanthropy.	Conservation and Development	Conservation and Development Director, Deputy Director, and Sustainability Coordinator and Supervisor Gioia met July 22, 2016, with East Bay Community Foundation Executive Director and Interim Director of Community Partnerships to discuss opportunities for potential collaboration. Goal will be to identify a project for next round of Partners for Places.
Statewide Water Efficiency And Enhancement Program	CA Dept of Food and Agriculture	Up to \$200,000. Deadline 8/5.	On-farm projects that provide water savings and reduce greenhouse gas emissions	Applications come from farmers.	Sustainability Coordinator notified Agriculture Department of opportunity.

Recommendation(s)/Next Step(s):

PROVIDE direction regarding strategies for pursuing funds to support Climate Action Plan implementation and other sustainability programs and projects.

Fiscal Impact (if any):

Unknown. Fiscal Impact is dependent on grants and other funds awarded.

Attachments

Attachment A to Sustainability Coordinator Funding Report

Project Name	Agency	Program	Project Type	Description	Total Dollars Implemented (\$)	GHG Reductions (MTCO2e)	Co-Benefits	Senate District	Assembly District
Riviera Family Apartments	Strategic Growth Council	Affordable Housing and Sustainable Communities	Transit-Oriented Development	Transit-oriented development with 58 affordable housing units and improvements to pedestrian facilities.	\$4,956,610	8,110	Reduce housing costs; reduce transportation costs; increase access to walking and biking	7	16
El Cerrito Senior Mixed Use Apartments	Strategic Growth Council	Affordable Housing and Sustainable Communities	Transit-Oriented Development	Transit-oriented development with 62 affordable housing units for seniors. Project includes on-site amenities and off-site improvements to pedestrian and bicycle infrastructure connecting existing transit stations.	\$5,657,872	14,140	Reduce housing costs; reduce housing costs related to energy consumption; improve community safety	9	15
Miraflores Senior Housing	Strategic Growth Council	Affordable Housing and Sustainable Communities	Integrated Connectivity Project	Integrated connectivity project with 80 affordable housing units for seniors located near transit.	\$5,077,558	14,211	Reduce housing costs; improve community safety; reduce housing costs related to energy consumption	9	15
CVRP Vouchers By Census Tract	Air Resources Board	Clean Vehicle Rebate Project	Vehicle Replacement Grants	The Clean Vehicle Rebate Project (CVRP) promotes clean vehicle adoption by offering rebates of up to \$5,000 for the purchase or lease of new, eligible zero-emission vehicles, including electric, plug-in hybrid electric and fuel cell vehicles.	\$5,718,840	129,244	Reductions of criteria pollutant emissions; reductions of petroleum use; and enabling market transformations of advanced technologies.	3	14
HVIP Vehicles	Air Resources Board	Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	Hybrid Electric Vehicle Grants	Provides vouchers for the purchase of zero-emission trucks or buses to help speed early market introduction of low-carbon vehicles.	\$150,203	285	Reductions of criteria pollutant emissions and toxics emissions; reductions of petroleum use; and enabling market transformations of advanced technologies.	7	16
Public Fleet Vehicle Rebate	Air Resources Board	Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities	Battery Electric Vehicle Grants	Public Fleet Vehicle Upgraded. Program provides rebates for plug in hybrid electric vehicles, battery electric vehicles, and fuel cell vehicles for public fleets operating in disadvantaged communities	\$70,000	79	Rebates provide for reductions of criteria pollutant emissions; reductions of petroleum use; and enabling market transformations of advanced technologies.	9	15
Division 3 Re-Opening for service expansion	California Department of Transportation	Low Carbon Transit Operations Program	Capital	Reduction in deadhead miles of 528,436 if the Division 3 facility is opened for 24/7 operations and service is increased by 10%. Re-opening Division 3 will allow for more buses to be added to the fleet, which with the District can expand service.	\$573,226	See Footnote 3	Greater transit service and reliability and access,	9	15
Martinez Shuttle	California Department of Transportation	Low Carbon Transit Operations Program	Operating	Expanded service will reduce VMT and GHG emissions by replacing auto trips with transit trips. Expansion could add 145 bus riders per day.	\$185,881	See Footnote 3	Greater transit service and reliability and access,	3	14
Expanded service route 201	California Department of Transportation	Low Carbon Transit Operations Program	Operating	Expansion could add 110 commuter bus riders per day to replace an average auto trip of 10 miles each way.	\$178,646	See Footnote 3	Greater transit service and reliability and access,	7	14
Expanded Service Route 11	California Department of Transportation	Low Carbon Transit Operations Program	Operating	Expanded transit service will reduce VMT and GHG emissions by replacing auto trips with transit trips. Expansion could add 50 commuter bus rider per day.	\$54,247	See Footnote 3	Greater transit service and reliability and access,	3,9	14,15
Solar PV Installation	Community Services and Development	Single-Family Solar Photovoltaics (PV)	Solar PV Install	Provides low-income, single-family homes with solar photovoltaics systems to lower cost barriers to renewable solar energy.	\$102,212	TBD	energy savings, improved building heating and cooling, employment opportunities, and job training	9	15

Project Name	Agency	Program	Project Type	Description	Total Dollars Implemented (\$)	GHG Reductions (MTCO2e)	Co-Benefits	Senate District	Assembly District
Single Family Weatherization	Community Services and Development	Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating Projects	Single Family Energy Efficiency	Provides single/small multi family, low-income homes with weatherization/energy upgrades such as: weather-stripping, solar water heaters, and fixing/replacing windows, heating, and cooling systems, which improve comfort and reduce energy costs.	\$34,893	TBD	energy savings, employment opportunities, job training, and improved living conditions.	7	11
Vital Farmland LP	California Department of Food and Agriculture	Statewide Water Efficiency Enhancement Program	soil moisture sensors; micro irrigation	Upgrade the irrigation system to supplant flood irrigation on fields with a buried-manifold drip system that applies water according to crop need (as measured by soil moisture sensors).	\$62,126	24	water conservation, continued agricultural production and associated economic benefits, potential for water quality protection, energy savings, and reduced air pollution	7	11
Capitol Corridor Joint Powers Authority	California State Transportation Agency	Transit and Intercity Rail Capital Program	Intercity Rail	Partners with Union Pacific Rail Road and Altamont Corridor Express on track and curve improvements that will result in faster journeys and ridership increases. Travel time savings estimated of up to 10 minutes.	\$4,620,000	24,747	Improves air quality; improves service levels, transit integration	3,9,10,15	14,15,18,20, 27,28



Contra Costa County Board of Supervisors

Subcommittee Report

AD HOC COMMITTEE ON SUSTAINABILITY

8.

Meeting Date: 08/22/2016

Subject: DIRECT staff to reconvene the interdepartmental Climate Action Plan Working Group and return with a report on progress to date.

Submitted For: John Kopchik, Director, Conservation & Development Department

Department: Conservation & Development

Referral No.:

Referral Name: DIRECT staff to reconvene the interdepartmental Climate Action Plan Working Group and return with a report on progress to date in achieving Climate Action Plan goals and where additional resources would be beneficial.

Presenter: Jody London, Sustainability
Coordinator, DCD

Contact: Jody London
(925)674-7871

Referral History:

There is no referral history for this item.

Referral Update:

BACKGROUND:

In December 2015, the Board of Supervisors adopted a *Climate Action Plan* (CAP). The CAP establishes goals for reducing greenhouse gas (GHG) emissions while improving community health. The overall goals for the CAP are to reduce greenhouse gas emissions 15% below baseline by the year 2020, and 57% below baseline by the year 2035. This goal for 2035 would put County emissions at 50% below the levels in 1990.

The CAP meets California Environmental Quality Act requirements for developing a qualified greenhouse gas emission reduction strategy, and is consistent with the Bay Area Air Quality Management District guidance on preparing a qualified greenhouse gas reduction strategy, which provides streamlining benefits to development projects that are consistent with the CAP. *Please see Figure 1. Baseline Greenhouse Gas Emissions, Forecasts, and Reduction Goals on page 1 of Attached Report.*

The County's greenhouse gas reduction measures are closely tied to public health measures, with many of the reduction measures also providing public health co-benefits. The reduction measures are grouped into six sectors:

1. Energy Efficiency
2. Renewable Energy
3. Land Use and Transportation
4. Solid Waste

5. Water

6. Government Operations

The charts on page 2 and 3 of the attached report show how each sector contributes to the CAP's success. Reductions are for unincorporated areas of the County, and do not include cities and towns. Several of the cities and towns within the County have their own climate action plans and policies.

The County departments with primary responsibility for implementing the measures that comprise each goal are Conservation and Development, Public Works, and Health Services. The Agriculture Department has a small role. Each of these departments was part of the working group that developed the CAP.

Since the CAP was adopted in December, each department has been working on the programs and projects that will lead to greenhouse gas reductions. There has not yet been a reconvening of the working group. Since Sustainability Coordinator Jody London started on June 1, she has initiated meetings with County staff identified in the *Climate Action Plan* (CAP) as having a role in CAP implementation.

The upcoming anniversary of the CAP's adoption provides the Ad Hoc Sustainability Committee with an opportunity to receive an update from staff on progress in meeting the CAP goals. Staff recommends the Committee direct the working group to reconvene and develop a report on what activities have occurred since the CAP was adopted, identify opportunities to improve on the CAP, and next steps. This report could also include information on goal areas where resources are sufficient, and goal areas where additional resources would be beneficial. This information could help focus where and how the County pursues funding opportunities.

The Department of Conservation and Development is considering whether there is value in establishing an inter-departmental committee on CAP implementation, and welcomes direction from the Committee in this regard.

Recommendation(s)/Next Step(s):

DIRECT staff to reconvene the interdepartmental Climate Action Plan Working Group and return with a report on progress to date in achieving Climate Action Plan goals and where additional resources would be beneficial.

Fiscal Impact (if any):

There is no fiscal impact.

Attachments

CAP Measures Progress Report

REPORT ON PROGRESS ACHIEVING GREENHOUSE GAS REDUCTION MEASURES IN THE CLIMATE ACTION PLAN

Presented to Ad Hoc Sustainability Committee

August 22, 2016

REFERRAL HISTORY:

There is no referral for this item.

RECOMMENDATIONS:

DIRECT staff to reconvene the interdepartmental Climate Action Plan Working Group and return with a report on progress to date in achieving Climate Action Plan goals and where additional resources would be beneficial.

FISCAL IMPACT:

None.

BACKGROUND:

In December 2015, the Board of Supervisors adopted a *Climate Action Plan* (CAP). The CAP establishes goals for reducing greenhouse gas (GHG) emissions while improving community health. The overall goals for the CAP are to reduce greenhouse gas emissions 15% below baseline by the year 2020, and 57% below baseline by the year 2035. This goal for 2035 would put County emissions at 50% below the levels in 1990. The CAP meets California Environmental Quality Act requirements for developing a qualified greenhouse gas emission reduction strategy, and is consistent with the Bay Area Air Quality Management District guidance on preparing a qualified greenhouse gas reduction strategy, which provides streamlining benefits to development projects that are consistent with the CAP.

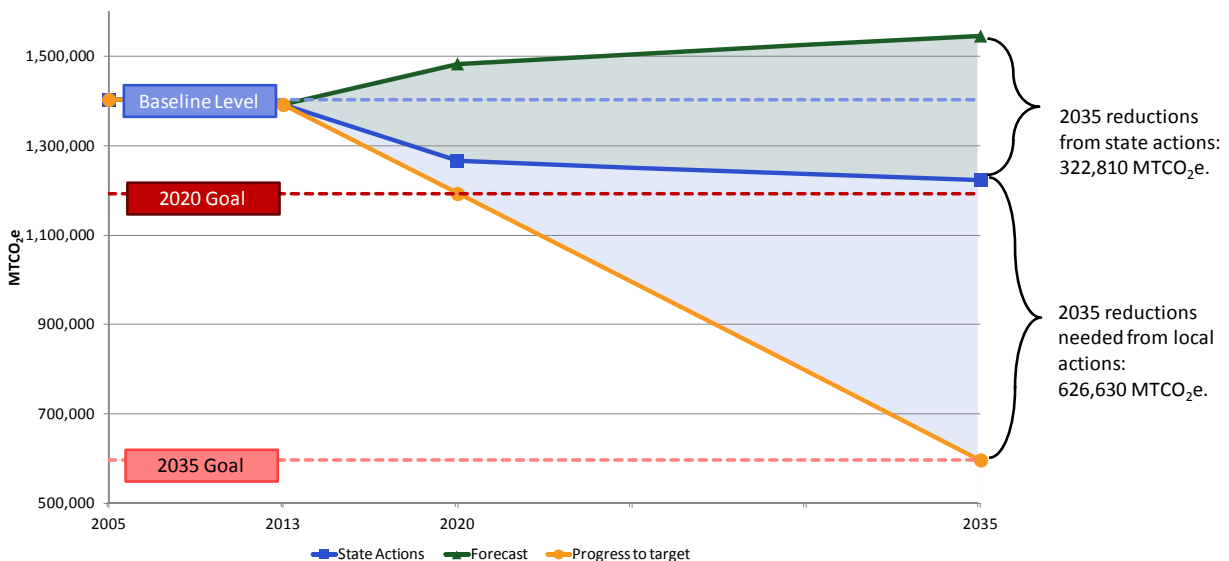
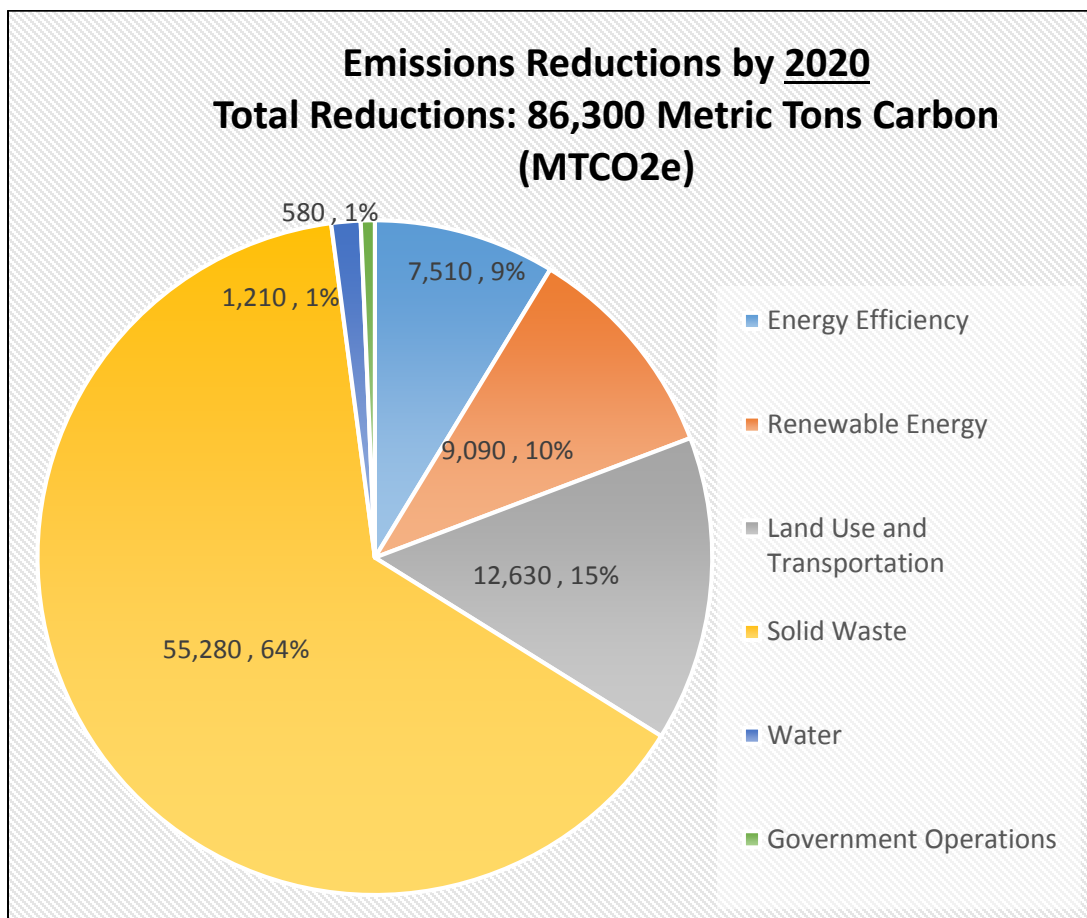


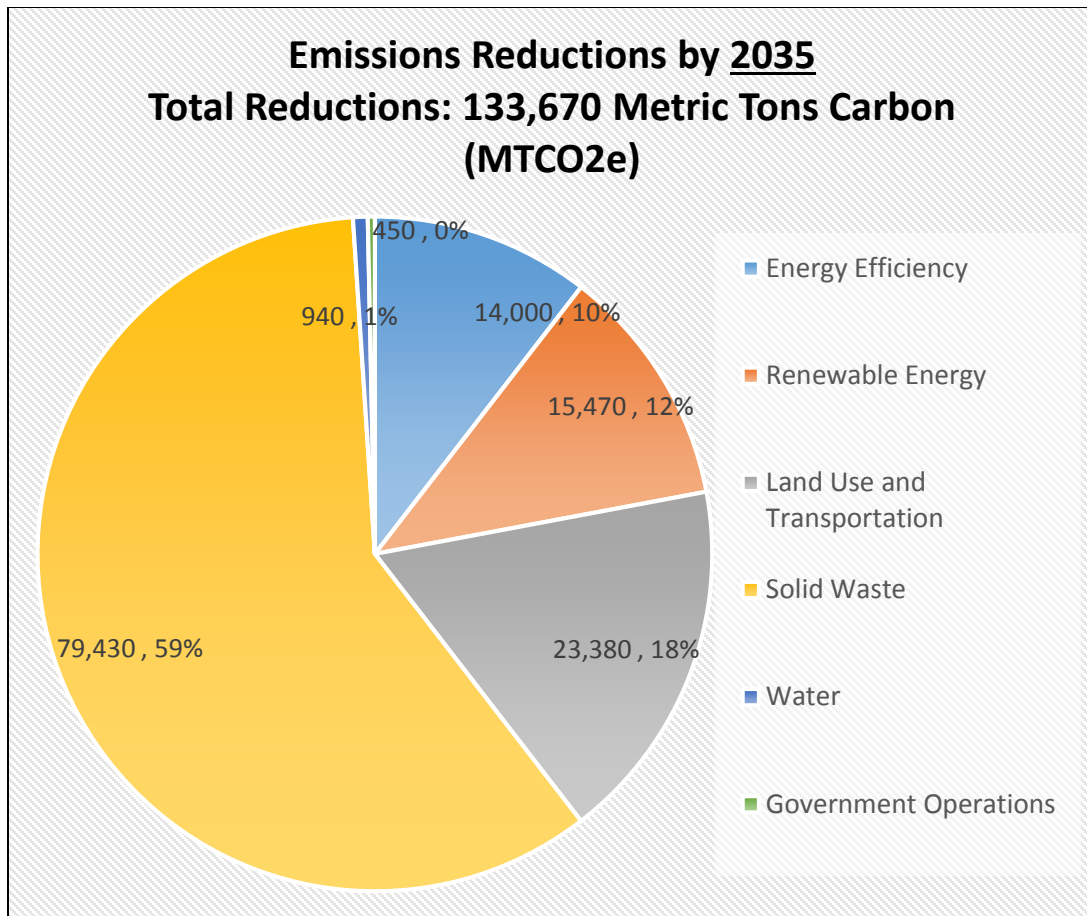
Figure 1. Baseline Greenhouse Gas Emissions, Forecasts, and Reduction Goals

The County's greenhouse gas reduction measures are closely tied to public health measures, with many of the reduction measures also providing public health co-benefits. The reduction measures are grouped into six sectors:

1. Energy Efficiency
2. Renewable Energy
3. Land Use and Transportation
4. Solid Waste
5. Water
6. Government Operations

The charts below show how each sector contributes to the CAP's success. Reductions are for unincorporated areas of the County, and do not include cities and towns. Several of the cities and towns within the County have their own climate action plans and policies.





The County departments with primary responsibility for implementing the measures that comprise each goal are Conservation and Development, Public Works, and Health Services. The Agriculture Department has a small role. Each of these departments was part of the working group that developed the CAP.

Since the CAP was adopted in December, each department has been working on the programs and projects that will lead to greenhouse gas reductions. There has not yet been a reconvening of the working group. Since Sustainability Coordinator Jody London started on June 1, she has initiated meetings with County staff identified in the *Climate Action Plan* (CAP) as having a role in CAP implementation.

The upcoming anniversary of the CAP's adoption provides the Ad Hoc Sustainability Committee with an opportunity to receive an update from staff on progress in meeting the CAP goals. Staff recommends the Committee direct the working group to reconvene and develop a report on what activities have occurred since the CAP was adopted, identify opportunities to improve on the CAP, and next steps. This report could also include information on goal areas where resources are sufficient, and goal areas where additional resources would be beneficial. This information could help focus where and how the County pursues funding opportunities.

The Department of Conservation and Development is considering whether there is value in establishing an inter-departmental committee on CAP implementation, and welcomes direction from the Committee in this regard.



Contra Costa County Board of Supervisors

Subcommittee Report

AD HOC COMMITTEE ON SUSTAINABILITY

9.

Meeting Date: 08/22/2016

Subject: DISCUSS possible creation of Citizen Advisory Committee on Sustainability.

Department: Conservation & Development

Referral No.: N/A

Referral Name: N/A

Presenter: Jody London, Sustainability Coordinator, **Contact:** Jody London
DCD (925)674-7871

Referral History:

There is no referral history for this item.

Referral Update:

BACKGROUND:

In December 2015, the Board of Supervisors adopted the County's Climate Action Plan (CAP). The CAP establishes goals for reducing greenhouse gas emissions in Contra Costa County by 2020 and 2035. These emission reduction goals are in six sectors: energy efficiency, renewable energy, land use and transportation, waste, water, and government operations. The goals are for the unincorporated areas of the County, and County government operations.

Contra Costa County residents, community groups, and businesses have deep interest, expertise, and experience in sustainability issues. Some gravitate more to specific aspects of sustainability and the CAP, and/or work on these issues in a region of the County. As the County deepens its work on sustainability, it should take advantage of the human resources within the County that can advise on how best to achieve the CAP and sustainability goals, and better prepare the County for climate change.

Below, DCD provides suggestions on how a Citizen Advisory Committee on Sustainability might operate.

Function: The function of the Citizen Advisory Committee would be to provide advice on successful implementation of the CAP, including suggestions on how that work can be performed more efficiently and effectively.

Sunset Date: As an advisory body to the Ad Hoc Sustainability Committee, the Citizen Advisory Committee would expire when the Ad Hoc Committee is disbanded (no date has been determined for that).

A Citizen Advisory Committee would have a membership of nine, with those members reporting to the Board of Supervisors.

There are different options that can be used to comprise the members, described below:

- a. One appointed by each Supervisor (5); Four at-large members appointed by the Board of Supervisors (4),

- b. One appointed by each Supervisor (5); two representing community groups whose mission includes sustainability and/or environmental issues (2); and two representing commercial groups or organizations whose business focuses on sustainability and/or environmental issues (2),
- c. One appointed by each Supervisor (5); two at-large members appointed by the Board of Supervisors (2); one member representing a community group whose mission includes sustainability and/or environmental issues (1); and one member representing a commercial group or organization whose business focuses on sustainability and/or environmental issues (1), and
- d. Eleven seats, as follows (11): two members representing businesses in the County (2); two members representing cities (2); two members representing environmental organizations focused on sustainability (2); one member representing the general public (1); one member from the League of Women Voters (1); and one member representing labor (1). Advisory Committee meetings operate under the County's Better Government Ordinance and are open to the public.

An office term would consist of two years, with initial terms being staggered in order to maintain continuity of committee deliberations. Term limits: none. Compensation: none. Meeting time: to be determined.

Recommendation(s)/Next Step(s):

RECEIVE report from staff recommending that the Ad Hoc Sustainability Committee recommend to the Board of Supervisors the establishment of a Citizen Advisory Committee on Sustainability.

Fiscal Impact (if any):

The fiscal impact of establishing a citizen advisory committee to the Ad Hoc Committee on Sustainability will consist of in-kind time and resources from the County to select and staff the citizen advisory committee. These services can be provided by the Sustainability Coordinator, who is based in the Department of Conservation and Development (DCD).

Attachments

No file(s) attached.



Contra Costa County Board of Supervisors

Subcommittee Report

AD HOC COMMITTEE ON SUSTAINABILITY

10.

Meeting Date: 08/22/2016

Subject: DISCUSS SB 32, Climate Pollution Reduction Beyond 2020, and CONSIDER referral to the Board of Supervisors.

Submitted For: John Kopchik, Director, Conservation & Development Department

Department: Conservation & Development

Referral No.: N/A

Referral Name: DISCUSS SB 32, Climate Pollution Reduction Beyond 2020, and CONSIDER referral to the Board of Supervisors.

Presenter: Jody London, Sustainability
Coordinator, DCD

Contact: Jody London
(925)674-7871

Referral History:

There is no referral history for this item.

Referral Update:

AB 32, the Global Warming Solutions Act of 2006, will expire in 2020. The reduction limits established by AB for emissions of greenhouse gases will remain in place. SB 32 would establish Legislative direction for setting continuing emissions reduction targets. Staff did not have sufficient time to perform an in-depth analysis of the bill. The most current bill text, as well as a fact sheet from the author (Senator Fran Pavley) are attached.

Recommendation(s)/Next Step(s):

DISCUSS SB 32, Climate Pollution Reduction Beyond 2020 Healthier Communities And A Stronger Economy, and consider referral to Board of Supervisors to take a position on the bill.

Fiscal Impact (if any):

There is no fiscal impact.

Attachments

SB32 Text as of 8-17-16

SB 32 Fact Sheet

AMENDED IN ASSEMBLY JUNE 30, 2016
AMENDED IN ASSEMBLY JUNE 10, 2016
AMENDED IN ASSEMBLY SEPTEMBER 10, 2015
AMENDED IN ASSEMBLY SEPTEMBER 4, 2015
AMENDED IN ASSEMBLY AUGUST 31, 2015
AMENDED IN SENATE JUNE 1, 2015
AMENDED IN SENATE MAY 5, 2015
AMENDED IN SENATE MARCH 16, 2015

SENATE BILL

No. 32

Introduced by Senator Pavley

(Coauthors: Senators Allen, Beall, Block, De León, Hancock, Hill, Jackson, Leno, Liu, McGuire, Mitchell, Monning, Wieckowski, and Wolk)

(Coauthors: Assembly Members Bloom, Chau, Chiu, Chu, Cristina Garcia, Eduardo Garcia, McCarty, Quirk, Rendon, Mark Stone, Thurmond, Ting, Williams, and Wood)

December 1, 2014

An act to amend Sections 38505, 38550, 38551, and 38561 of the Health and Safety Code, relating to greenhouse gases.

LEGISLATIVE COUNSEL'S DIGEST

SB 32, as amended, Pavley. California Global Warming Solutions Act of 2006: emissions limit.

The California Global Warming Solutions Act of 2006 designates the State Air Resources Board as the state agency charged with

monitoring and regulating sources of emissions of greenhouse gases. The state board is required to ~~adopt~~ *approve* a statewide greenhouse gas emissions limit equivalent to the statewide greenhouse gas emissions level in 1990 to be achieved by 2020 and to adopt rules and regulations in an open public process to achieve the maximum, technologically feasible, and cost-effective greenhouse gas emissions reductions.

This bill would require the state board to approve a statewide greenhouse gas emissions limit that is equivalent to 40% below the 1990 level to be achieved by 2030. *The bill would also require the state board, on or before January 1, 2018, and each year thereafter, to prepare and submit to the Joint Legislative Budget Committee and appropriate policy committees a report relating to the greenhouse gas emissions reductions achieved toward those limits.*

This bill also would make conforming changes and provide that its provisions are severable.

This bill would become operative only if AB 197 of the 2015–16 Regular Session is enacted and becomes effective on or before January 1, 2017.

Vote: majority. Appropriation: no. Fiscal committee: yes.
State-mandated local program: no.

The people of the State of California do enact as follows:

1 SECTION 1. It is the intent of the Legislature that all relevant
2 provisions of the California Global Warming Solutions Act of
3 2006 (Division 25.5 (commencing with Section 38500) of the
4 Health and Safety Code) apply to the sections of this act amending
5 sections within the California Global Warming Solutions Act of
6 2006 (Division 25.5 (commencing with Section 38500) of the
7 Health and Safety Code).

8 SEC. 2. Section 38505 of the Health and Safety Code is
9 amended to read:

10 38505. For purposes of this division, the following terms have
11 the following meanings:

12 (a) "Allowance" means an authorization to emit, during a
13 specified year, up to one ton of carbon dioxide equivalent.

14 (b) "Alternative compliance mechanism" means an action
15 undertaken by a greenhouse gas emission source that achieves the
16 equivalent reduction of greenhouse gas emissions over the same
17 time period as a direct emission reduction, and that is approved

1 by the state board. “Alternative compliance mechanism” includes,
2 but is not limited to, a flexible compliance schedule, alternative
3 control technology, a process change, or a product substitution.

4 (c) “Carbon dioxide equivalent” means the amount of carbon
5 dioxide by weight that would produce the same global warming
6 impact as a given weight of another greenhouse gas, based on the
7 best available science, including from the Intergovernmental Panel
8 on Climate Change.

9 (d) “Cost-effective” or “cost-effectiveness” means the cost per
10 unit of reduced emissions of greenhouse gases adjusted for its
11 global warming potential.

12 (e) “Direct emission reduction” means a greenhouse gas
13 emission reduction action made by a greenhouse gas emission
14 source at that source.

15 (f) “Emissions reduction measure” means programs, measures,
16 standards, and alternative compliance mechanisms authorized
17 pursuant to this division, applicable to sources or categories of
18 sources, that are designed to reduce emissions of greenhouse gases.

19 (g) “Greenhouse gas” or “greenhouse gases” includes all of the
20 following gases:

- 21 (1) Carbon dioxide.
- 22 (2) Methane.
- 23 (3) Nitrous oxide.
- 24 (4) Hydrofluorocarbons.
- 25 (5) Perfluorocarbons.
- 26 (6) Sulfur hexafluoride.
- 27 (7) Nitrogen trifluoride.

28 (h) “Greenhouse gas emissions limit” means an authorization,
29 during a specified year, to emit up to a level of greenhouse gases
30 specified by the state board, expressed in tons of carbon dioxide
31 equivalents.

32 (i) “Greenhouse gas emission source” or “source” means any
33 source, or category of sources, of greenhouse gas emissions whose
34 emissions are at a level of significance, as determined by the state
35 board, that its participation in the program established under this
36 division will enable the state board to effectively reduce greenhouse
37 gas emissions and monitor compliance with the statewide
38 greenhouse gas emissions limit.

1 (j) "Leakage" means a reduction in emissions of greenhouse
2 gases within the state that is offset by an increase in emissions of
3 greenhouse gases outside the state.

4 (k) "Market-based compliance mechanism" means either of the
5 following:

6 (1) A system of market-based declining annual aggregate
7 emissions limitations for sources or categories of sources that emit
8 greenhouse gases.

9 (2) Greenhouse gas emissions exchanges, banking, credits, and
10 other transactions, governed by rules and protocols established by
11 the state board, that result in the same greenhouse gas emission
12 reduction, over the same time period, as direct compliance with a
13 greenhouse gas emission limit or emissions reduction measure
14 adopted by the state board pursuant to this division.

15 (l) "State board" means the State Air Resources Board.

16 (m) "Statewide greenhouse gas emissions" means the total
17 annual emissions of greenhouse gases in the state, including all
18 emissions of greenhouse gases from the generation of electricity
19 delivered to and consumed in California, accounting for
20 transmission and distribution line losses, whether the electricity
21 is generated in state or imported. Statewide emissions shall be
22 expressed in tons of carbon dioxide equivalents.

23 (n) "Statewide greenhouse gas emissions limit" or "statewide
24 emissions limit" means the maximum allowable level of statewide
25 greenhouse gas emissions, as determined by the state board
26 pursuant to Part 3 (commencing with Section 38550).

27 SEC. 3. Section 38550 of the Health and Safety Code is
28 amended to read:

29 38550. (a) By January 1, 2008, the state board shall, after one
30 or more public workshops, with public notice, and an opportunity
31 for all interested parties to comment, determine what the statewide
32 greenhouse gas emissions level was in 1990, and approve in a
33 public hearing, a statewide greenhouse gas emissions limit that is
34 equivalent to that level, to be achieved by 2020. In order to ensure
35 the most accurate determination feasible, the state board shall
36 evaluate the best available scientific, technological, and economic
37 information on greenhouse gas emissions to determine the 1990
38 level of greenhouse gas emissions.

39 (b) (1) Notwithstanding subdivision (a), the state board shall
40 approve in a public hearing, based on the best available scientific,

1 technological, and economic assessments, a statewide greenhouse
2 gas emissions limit that is equivalent to 40 percent below the 1990
3 level, as determined pursuant to subdivision (a) or Section 39730,
4 to be achieved by 2030.

5 (2) For the purposes of this subdivision, a greenhouse gas
6 emissions limit shall include short-lived climate pollutants, as
7 defined in Section 39730.

8 (c) In furtherance of subdivision (b), the state board shall
9 consider historic efforts to reduce greenhouse gas emissions and
10 objectively seek and account for cost-effective actions to reduce
11 greenhouse gas emissions across all sectors.

12 (d) *On or before January 1, 2018, and each year thereafter, the*
13 *state board shall prepare and submit to the Joint Legislative Budget*
14 *Committee and appropriate policy committees a report detailing*
15 *the amounts, sources, and locations of greenhouse gas emissions*
16 *reductions achieved toward the statewide emissions limits adopted*
17 *pursuant to this section.*

18 SEC. 4. Section 38551 of the Health and Safety Code is
19 amended to read:

20 38551. (a) Each of the statewide greenhouse gas emissions
21 limits shall remain in effect unless otherwise amended or repealed.

22 (b) It is the intent of the Legislature that the statewide
23 greenhouse gas emissions limits established pursuant to Section
24 38550 continue in existence and be used to maintain and continue
25 reductions in emissions of greenhouse gases.

26 (c) The state board shall make recommendations to the Governor
27 and the Legislature on how to continue reductions of greenhouse
28 gas emissions beyond 2030.

29 SEC. 5. Section 38561 of the Health and Safety Code is
30 amended to read:

31 38561. (a) (1) On or before January 1, 2009, the state board
32 shall prepare and approve a scoping plan, as that term is understood
33 by the state board, for achieving the maximum technologically
34 feasible and cost-effective reductions in greenhouse gas emissions
35 from sources or categories of sources of greenhouse gases under
36 this division.

37 (2) The state board shall consult with all state agencies with
38 jurisdiction over sources of greenhouse gases, including the Public
39 Utilities Commission and the State Energy Resources Conservation
40 and Development Commission, on all elements of its plan that

1 pertain to energy-related matters including, but not limited to,
2 electrical generation, load-based standards or requirements, the
3 provision of reliable and affordable electrical service, petroleum
4 refining, and statewide fuel supplies to ensure the greenhouse gas
5 emissions reduction activities to be adopted and implemented by
6 the state board are complementary, nonduplicative, and can be
7 implemented in an efficient and cost-effective manner.

8 (b) The plan shall identify and make recommendations on direct
9 emissions reduction measures, alternative compliance mechanisms,
10 market-based compliance mechanisms, and potential monetary
11 and nonmonetary incentives for sources and categories of sources
12 that the state board finds are necessary or desirable to facilitate
13 the achievement of the maximum feasible and cost-effective
14 reductions of greenhouse gas emissions under this division.

15 (c) In making the determinations required by subdivision (b),
16 the state board shall consider all relevant information pertaining
17 to greenhouse gas emissions reduction programs in other states,
18 localities, and nations, including the northeastern states of the
19 United States, Canada, and the European Union.

20 (d) The state board shall evaluate the total potential costs and
21 total potential economic and noneconomic benefits of the plan for
22 reducing greenhouse gases to California's economy, environment,
23 and public health, using the best available economic models,
24 emission estimation techniques, and other scientific methods.

25 (e) In developing its plan, the state board shall take into account
26 the relative contribution of each source or source category to
27 statewide greenhouse gas emissions, and the potential for adverse
28 effects on small businesses, and shall recommend a de minimis
29 threshold of greenhouse gas emissions below which emissions
30 reduction requirements will not apply.

31 (f) In developing its plan, the state board shall identify
32 opportunities for emissions reduction measures from all verifiable
33 and enforceable voluntary actions, including, but not limited to,
34 carbon sequestration projects and best management practices.

35 (g) The state board shall conduct a series of public workshops
36 to give interested parties an opportunity to comment on the plan.
37 The state board shall conduct a portion of these workshops in
38 regions of the state that have the most significant exposure to air
39 pollutants, including, but not limited to, communities with minority
40 populations, communities with low-income populations, or both.

1 (h) The state board shall update its plan for achieving the
2 maximum technologically feasible and cost-effective reductions
3 of greenhouse gas emissions at least once every five years.

4 SEC. 6. The provisions of this act are severable. If any
5 provision of this act or its application is held invalid, that invalidity
6 shall not affect other provisions or applications that can be given
7 effect without the invalid provision or application.

8 *SEC. 7. This act shall become operative only if Assembly Bill*
9 *197 of the 2015–16 Regular Session is enacted and becomes*
10 *effective on or before January 1, 2017.*

SB 32: CLIMATE POLLUTION REDUCTION BEYOND 2020 HEALTHIER COMMUNITIES AND A STRONGER ECONOMY

AUTHOR: SENATOR FRAN PAVLEY

**(CO-AUTHORS: SENATORS ALLEN, BEALL, BLOCK, DE LEÓN, HANCOCK, HILL, JACKSON,
LENO, LIU, MCGUIRE, MONNING, WIECKOWSKI AND WOLK
ASSEMBLY MEMBERS BLOOM, CRISTINA GARCIA, RENDON, AND MARK STONE)**

CONTINUED CLIMATE PROGRESS

California's landmark climate law, AB 32 (Núñez-Pavley, 2006) requires a reduction in statewide greenhouse gas pollution to 1990 levels by 2020. Since 2006, the state has reduced nearly 100 million tons of greenhouse gases, equal to the pollution from burning 11 billion gallons of gasoline. California has reduced about half the pollution required to meet the 2020 goal.

In the process of reducing pollution, California has attracted \$27 billion in private investment in clean energy businesses, which now employ hundreds of thousands of people. The state is on track to cut pollution-related health costs by \$8.3 billion in the next decade. California is also ensuring that energy remains affordable. The average residential electrical bill has dropped \$44 since 2006 when adjusted for inflation, and the average Californian spends \$305 less overall on energy each year than the national average.

On April 29th, Governor Brown continued California's climate leadership by setting a midterm target, through executive order, of reducing climate pollution to 40 percent below 1990 levels by 2030.

BUSINESSES NEED CERTAINTY

The California Air Resources Board (ARB) is authorized under AB 32 to "maintain and continue" greenhouse gas reductions beyond 2020 and recommend implementation strategies to the Legislature. In the Scoping Plan Update issued in May 2014, the ARB identified a number of cost-effective, technologically feasible pathways to emissions reductions required by 2030, 2040 and 2050 to adequately

protect the health, safety and welfare of Californians from the mounting costs of unabated climate change. However, the Legislature has not yet given direction to shape future reduction strategies.

TARGET TO MEET THAT NEED

Setting clear, achievable climate pollution reduction targets in law and identifying priorities to guide implementation will provide critical accountability, as well as certainty to businesses investing for the long term in California. The state also has an opportunity to build on its first mover advantage as a technology and policy innovation leader as the President, international trading partners such as China and Mexico, and neighboring states, prepare to chart their own pathways to climate progress beyond 2020.

SB 32 sets an enforceable greenhouse gas reduction target of 80 percent below 1990 levels by 2050, the level identified by the international scientific community as necessary to stave off the worst effects of climate change. The measure will also incorporate the Governor's midterm target, to ensure that the state achieves our 2050 goals through the most cost-effective pathway available.

These targets are guided by science, but this bill provides flexibility for the Legislature and responsible agencies to adjust the goal along the way based on changing technological and economic conditions. The legislation also identifies goals to ensure that greenhouse gas reductions advance job creation; public health improvement, especially in disadvantaged

communities; innovation; and policy collaboration beyond our borders.

To achieve its climate goals, California will need to ensure that greenhouse gas targets are integrated with existing complementary policies such as energy efficiency requirements for buildings, appliances and cars, clean power standards, and sustainable land use policies, to maximize the effectiveness of pollution reduction overall.

SUPPORT

Public Health and Medical Groups

- American Academy of Pediatrics, California
- American Cancer Society Cancer Action Network, California
- American College of Physicians, California Service Chapter
- American Heart Association, California
- American Lung Association, California
- Asthma Coalition of Los Angeles County
- Bay Area AQMD
- Baz Allergy, Asthma and Sinus Center
- Breathe CA
- Bonnie J. Adario Lung Cancer Foundation
- California Black Health Network
- California Conference of Directors of Environmental Health
- California Nurses Association
- California Pan Ethnic Health Network
- California Public Health Association, North California Service Chapter
- California Thoracic Society
- Center for Climate Change and Health
- Central California Asthma Collaborative
- Center for Food Safety
- Circulate San Diego
- Climate Parents

- Department of Public Health, Los Angeles County
- Dignity Health
- Doctors for Climate Health
- Health Care Without Harm
- Medical Advocates for Healthy Air
- Moms Clean Air Force
- Physicians for Social Responsibility, Los Angeles
- Physicians for Social Responsibility, San Francisco Bay Area Chapter
- Public Health Institute
- Regional Asthma Management and Prevention (RAMP)
- San Francisco Asthma Task Force
- Santa Clara County Medical Society
- Sonoma County Asthma Coalition
- South Coast AQMD

Business Groups

- Autodesk
- Bagito
- Biosynthetic Technologies
- Business for Innovative Climate and Energy Policy (BICEP)
- Building Doctors
- California Ski Industry Association
- CERES
- Clean Power Finance
- Climate Ready Solutions LLC
- Communitas Financial Planning
- Distance Learning Consulting
- Eagle Creek
- eBay, Inc
- Ecogate, Inc
- Environmental Entrepreneurs (E2)
- Gap, Inc.
- House Kombucha
- Klean Kanteen

- Levi Strauss & Co
- Los Angeles Business Council
- Mercury Press International
- The North Face
- Patagonia Works
- Power2Sustain
- Progressive Asset Management, Inc.
- Purple Wine & Spirits
- Quest
- RC Cubed, Inc
- Sidel Systems USA
- Silicon Valley Leadership Group
- SmartWool
- Sustainable North Bay
- Symantec Corporation
- Tamalpais NatureWorks
- Waterplanet Alliance

Labor, Industry, and Transportation Groups

- Bioenergy Association of California
- Carbon Cycle Institute
- California Energy Efficiency Industry Council
- California Solar Energy Industry Association (CalSEIA)
- California Transit Association
- California Wind Energy Association
- CalSTART
- Communications Workers of America – District 9 (AFL-CIO)
- Coalition for Renewable Natural Gas
- EtaGen
- Large Scale Solar
- NextGen Climate
- Solar Energy Industry Association (SEIA)
- TransForm
- US Green Buildings Council

Local Governments

- City of Oxnard

- City of West Hollywood
- County of Ventura, Board of Supervisors

Agriculture groups

- American Farmland Trust
- California Climate & Agriculture Network (CalCAN)

Faith Groups

- California Interfaith Power & Light
- Catholic Charities, Diocese of Stockton

Environmental and Public Interest Advocates, and Conservation Groups

- Audobon
- Azul
- California League of Conservation Voters (CLCV)
- Californians Against Waste
- CalTrout
- Climate Resolve
- Center for Biological Diversity
- Cleveland National Forest Foundation
- Clean Water Action
- Coastal Environmental Rights Foundation
- Endangered Habitats League (EHL)
- Environment California
- Environmental Action Defense Fund (EDF)
- Environmental Action Committee of West Marin
- Friends of the River
- Greenbelt Alliance
- Humane Society
- Land Trust of Santa Cruz County
- League of Women Voters of California
- National Parks Conservation Association
- Natural Resources Defense Council (NRDC)
- ReLeaf

- Sequoia Riverlands Trust
- Sierra Club
- Southwest Wetlands Interpretive Association
- The Nature Conservancy
- Trust for Public Lands
- Union of Concerned Scientists (UCS)

Elected Officials

- Tom Bates, Berkeley Mayor
- Carmen Ramirez, Mayor pro Tem, Oxnard City
- Linda Parks, Ventura County Supervisor
- Ronald Loveridge, Former Mayor, City of Riverside
- Jared Huffman, US Representative, 2nd District
- Mark DeSaulnier, US Representative, 11th District
- Judy Chu, US Representative, 32nd District
- Ted Lieu, US Representative, 33rd District
- Alan Lowenthal, US Representative, 47th District

Scientific Community

- Ray Anderson, Ph.D.
- Kenneth Arrow, Ph.D.
- Bevin Ashenmiller, Ph.D.
- Roger C. Bales, Ph.D.
- Asmeret Asefaw Berhe, Ph.D.
- Hilda Blanco, Ph.D.
- Lewis Branscomb, Ph.D.
- Monika Calef, Ph.D.
- Juliet Christian-Smith, Ph.D.
- Eugene Cordero, Ph.D.
- Helen Cox, Ph.D.
- David DeSante, Ph.D.
- Michael Dettinger, Ph.D.

- Tim Duane, Ph.D.
- Ann Ehrlich, Ph.D.
- Henry Forman, Ph.D.
- Jed Fuhrman, Ph.D.
- Catherine Gautier, Ph.D.
- Alexander Gershenson, Ph.D.
- Gary Griggs, Ph.D.
- Andrew Gunther, Ph.D.
- Andrew Gutierrez, Ph.D.
- Barbara Haya, Ph.D.
- Elizabeth Herbert, Ph.D.
- Karen Holl, Ph.D.
- Edward Huang, Ph.D.
- Louise Jackson, Ph.D.
- Kathleen Johnson, Ph.D.
- Janet Kubler, Ph.D.
- Emilio Laca, Ph.D.
- Sherman Lewis, Ph.D.
- Michael Loik, Ph.D.
- Wade Martin, Ph.D.
- Edwin Maurer, Ph.D.
- Jean Moran, Ph.D.
- Max Moritz, Ph.D.
- Susanne Moser, Ph.D.
- Gretchen North, Ph.D.
- Edward Parson, Ph.D.
- Richard Plevin, Ph.D.
- Peter Schwartz, Ph.D.
- David Smernoff, Ph.D.
- Richard C.J. Somerville, Ph.D.
- Susan Ustin, Ph.D.
- Jasper Vrugt, Ph.D.
- Charlie Zender, Ph.D.