

AD HOC COMMITTEE ON SUSTAINABILITY

May 22, 2017 12:30 P.M. - 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

- 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. **APPROVE Record of Action for February 21, 2017, Ad Hoc Committee on Sustainability 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, Sustainability Coordinator)
- 4. **RECEIVE report on synergies between Climate Action Plan and Northern Waterfront Economic Development Initiative.** (Rich Seithel, Chief, Annexations & Economic Stimulus, Dept. of Conservation and Development)
- 5. RECEIVE report from the Director of the Department of Conservation and Development (DCD) on DCD implementation of County Climate Action Plan. (John Kopchik, Director, Dept. of Conservation and Development)
- 6. RECEIVE report from the Director of the Department of Public Works (PWD) on PWD implementation of County Climate Action Plan. (Brian Balbas, Deputy Director, Dept. of Public Works)
- 7. **RECEIVE Staff Report comparing County climate action planning documents** with State and regional climate planning documents. (Jody London, Sustainability Coordinator)
- 8. **CONSIDER report of updates from Sustainability Coordinator, and take ACTION as appropriate.** (Jody London, Sustainability Coordinator)
- 9. The next meeting date is scheduled for Monday, July 31, 2017, at 12:30 p.m.

10. Adjourn

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

Any disclosable public records related to an open session item on a regular meeting agenda and distributed by the County to a majority of members of the Ad Hoc Committee on Sustainability less than 96 hours prior to that meeting are available for public inspection at 651 Pine Street, 1st floor, during normal business hours.

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

For Additional Information Contact:

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



Contra Costa County Board of Supervisors

Subcommittee Report

AD HOC COMMITTEE ON SUSTAINABILITY

3.

Meeting Date: 05/22/2017

Subject: APPROVE Record of Action for February 21, 2017, Ad Hoc Committee on

Sustainability Meeting.

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

Department: Conservation & Development

Referral No.: N/A **Referral Name:** N/A

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

Coordinator

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:

Any handouts or printed copies of testimony distributed at the meeting will be attached to this meeting record. Links to the agenda and minutes will be available at the Committee web page, to be announced.

Recommendation(s)/Next Step(s):

Staff recommends approval of the attached Record of Action for the February 21, 2017, Ad Hoc Committee on Sustainability Meeting with any necessary corrections.

Fiscal Impact (if any):

N/A

Attachments

02-21-17 AHCOS Mtg Minutes



AD HOC COMMITTEE ON SUSTAINABILITY

RECORD OF ACTION FOR February 21, 2017 9:00 A.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

Attendees: Jason Crapo, DCD

Jody London, DCD Deidre Hodgers, DCD

Tanya Drlik, CCC Integrated Pest Mgmt Coordinator Michael Kent, CCC Hazardous Materials Ombudsman

Jan Warren

Charles Davidson

Nick Despota

Howdy Goudey

Kimberly Hazard

Jency James

Robert Joe

Mark Thomson

Harry Thurston

Rebecca Verity

Carol Weed

Kimberly Lam

Allan Moskowitz

Carrolyn Phinney

Nick Snyder

Kathy Cutting

Scott Warfe

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 approval of the attached Record of Action for the October 24, 2016, Ad Hoc Committee on Sustainability Meeting with any necessary corrections.

The Record of Action was approved.

Chair John Gioia, Vice Chair Federal D. Glover

AYE: Chair John Gioia, Vice Chair Federal D. Glover Passed

4. **REVIEW, REVISE** as appropriate, and **ADOPT** the 2017 Calendar.

The 2017 calendar was adopted.

Chair John Gioia, Vice Chair Federal D. Glover

AYE: Chair John Gioia, Vice Chair Federal D. Glover Passed

5. **RECOMMEND** that the Board of Supervisors create an additional At-Large seat on the Sustainability Commission for one member who is a resident of Contra Costa County and represents an educational institution in Contra Costa County or research institution located in Contra Costa County or a neighboring County.

The Committee recommends to the Board of Supervisors the creation of an additional at-large seat on the Sustainability Commission for a County resident who works for an educational institution in Contra Costa County or a research institution located in Contra Costa County or a neighboring County. The Committee also recommends to the Board of Supervisors the appointment of alternate representatives to be appointed by each Supervisor.

Chair John Gioia, Vice Chair Federal D. Glover

AYE: Chair John Gioia, Vice Chair Federal D. Glover Passed

6. **INTERVIEW** applicants for the at-large seats on the Sustainability Commission.

The Committee interviewed the following candidates for at-large appointments to the Sustainability Commission: Gretchen Logue, Nick Despota, Charles Davidson, Jency James, Kim Hazard, Robert Joe, Carol Weed, Rebecca Verity, Mark Thomson, Harry Thurston, Allan Moskowitz, Carolyn Phinney, Nick Snyder, Kimberly Lam, Kathy Cutting, Howdy Goudey, Scott Warfe.

7. **RECEIVE** presentation from County staff on improvements in operating the County fleet.

The Committee received a presentation on the County fleet from Carlos Velasquez, Contra Costa County Fleet Manager.

8. DISCUSS and RECOMMEND to the Board of Supervisors candidates for at-large seats on the Contra Costa County Sustainability Commission.

The Committee recommends that the Board of Supervisors appoint the following individuals to the at-large seats on the Sustainability Commission:

Environmental Justice - Doria Robinson

Community Group - Howdy Goudey, Harry Thurston

Business - Nick Snyder, Kathy Cutting

Education/Research Institution - Scott Warfe

Chair John Gioia, Vice Chair Federal D. Glover

AYE: Chair John Gioia, Vice Chair Federal D. Glover Passed

9. **RECEIVE** update from the County's Sustainability Coordinator.

Jody London, County Sustainability Coordinator, provided an update of work underway to implement the County's Climate Action Plan.

- 10. The next meeting is currently scheduled for March 27, 2017, 12:30 pm 2:30 pm
- 11. Adjourn

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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.

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

For Additional Information Contact:



Contra Costa County Board of Supervisors

Subcommittee Report

AD HOC COMMITTEE ON SUSTAINABILITY

4.

Meeting Date: 05/22/2017

Subject: RECEIVE report on synergies between Climate Action Plan and Northern

Waterfront Economic Development Initiative

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

Department: Conservation & Development

Referral No.: N/A **Referral Name:** N/A

<u>Presenter:</u> Rich Seithel, Chief, Annexations & <u>Contact:</u> Rich Seithel

Economic Stimulus (925)674-7869

Referral History:

N/A

Referral Update:

Background

Contra Costa County's Northern Waterfront Economic Development Initiative (Initiative) is a cluster-based regional collaboration (6 cities and several unincorporated communities) that provides a framework for approaching emerging 21st century economic opportunities responsibly, with a focus on job creation and economic well-being. The Northern Waterfront Initiative supports and implements regional prosperity and income mobility with identified beneficial outcomes such as:

- Provide economic opportunities for low and moderate income workers and unemployed individuals;
- Provide jobs near worker housing and priority development areas;
- Promote clean and green manufacturing;
- Reduce greenhouse gas emissions;
- Generate 18,000 additional jobs.

In order to achieve these beneficial outcomes, the Initiative is pursuing a cluster-based strategy. Industry clusters are regional concentrations of related industries. Clusters consist of companies, suppliers and service providers, as well as government agencies and other institutions that provide education, information, research and technical support to a regional economy. Clusters are a network of economic relationships that create a competitive advantage for the related firms in a

particular region. This advantage then becomes an enticement for similar industries and suppliers to those industries to develop or relocate to a region. The Northern Waterfront Initiative is targeting five advanced manufacturing industry clusters: 1) Clean Technology; 2) Advanced Transportation Fuels and Technologies; 3) Biomedical; 4) Food Processing, and; 5) Diversified Manufacturing. These five advanced manufacturing clusters were chosen for the following primary reasons:

- Advanced manufacturing occupations pay a livable wage,
- Potential anchor companies engaged in these industries already exist within the Northern Waterfront area from which to seed a growing cluster and many are located close to priority development areas,
- Advanced manufacturing occupations offer opportunities for middle-skill workers,
- It is estimated that 56% of Contra Costa residents employed in a manufacturing occupation commute out of the County for their job, and approximately 50% of residents out-commute daily, and
- A manufacturing job creates additional jobs by enjoying a multiplier effect of 3-5.

Northern Waterfront Economic Development Initiative and GHG Reduction

In the framework and the beneficial outcomes outlined above is the reduction in greenhouse gas emissions. The Initiative is addressing GHG reduction on several different fronts including land use and transportation, waste, water, energy, brownfields, and rising tides.

Land Use and Transportation: Given that 56% of manufacturing workers out-commute daily, creating manufacturing jobs along the Northern Waterfront will result in reduced vehicle miles traveled. For example, Emerald HCP International's research regarding zip code 94531 (Southeast Antioch), determined that the average commute to work was 1½ hours each way with the majority traveling congested Highway 4. These types of commutes are deleterious to quality of life, as well as GHG emitters. In addition, as noted with the industry cluster adoption, clusters are primed for development around several of the transit-oriented priority development areas.

Several of the potential job opportunity sites offer multi-modal opportunities with access to water transportation, rail, and truck. By attracting companies that utilize water and rail, significant GHG reductions will occur. For example, expanded use of freight rail offers a meaningful way to reduce greenhouse gas emissions without harming the economy. On average, railroads are four times more fuel efficient than trucks. That means moving freight by rail instead of truck reduces GHG emissions by 75 percent. A single freight train can replace several hundred trucks. Moving freight by rail instead of trucks also reduces highway wear and tear and the pressure to build costly new highways.

Waste: The Initiative is addressing waste on several levels: methane, recycling, and advanced transportation fuels.

Currently, Mango Materials is working with Delta Diablo to produce a naturally occurring

biopolymer from waste biogas (methane) that is economically competitive with conventional oil-based plastics. ReThink Green, Inc., a firm we have been working with since 2014, has recently purchased an approximately 8 acre heavy industrial zoned parcel in the unincorporated Martinez area to build a manufacturing facility. ReThink Green is establishing a carpet recycling facility that will process post-consumer carpet tiles, nylon carpet, and polypropylene carpet into PVC crumb, nylon pellets, PP pellets, and CaCO3 concrete additive. This proposed project will significantly help achieve the goals of increasing carpet diversion (AB 2398) and recycling rates (AB 241) while reducing GHG emissions. As information, the U.S. EPA has designated post-consumer carpet as a high priority waste stream with diversion solutions having the second highest potential for reducing overall greenhouse gas emissions. This project will employ 80 to 100 people.

The California Governor's Office of Business and Economic Development has expressed much interest regarding the suitability for the Northern Waterfront to host California-approved green advanced transportation fuel projects, such as biodiesel made from 100% renewable raw materials (vegetable oils).

Water: Ironhouse Sanitary District, Delta Diablo, and Central Sanitary District provide recycled water for residential, commercial, and industrial use along the Northern Waterfront. Between the three District's, over 15 million gallons daily are produced.

Energy (CCE): The Northern Waterfront contains 61% of Contra Costa County's industrial-zoned land, several brownfields, and an energy generation capacity over 3,500 MW. As noted by MRW and Associates in their January 17 Board of Supervisor's presentation, "Community Choice Energy in Contra Costa County", the Northern Waterfront area contains enough technically feasible locations for renewable generation to meet a significant proportion of electricity demand. These clean energy projects will provide jobs and contribute to economic growth without generating pollution. According to the Technical Study for Community Choice Energy Program in Contra Costa County, produced by MRW & Associates, LLC, Economic Development Research Group, Boston, MA, and Sage Renewables, San Francisco, CA, "The CCE could create approximately 500 to 700 additional annual jobs on average in the County."

Brownfields: In working with the Hazardous Materials Commission, it has supported an effort to assess the re-use potential of contaminated vacant or underutilized industrially-zoned sites within the Northern Waterfront Economic Development Initiative for the purpose of maximizing the benefit from their eventual development. The Commission understands that brownfield sites within the Initiative area are not necessarily equally well-positioned for industrial or commercial reuse and that potential can differ based on the cost of clean-up, compatibility with surrounding land uses, impacts from sea level rise, access to amenities and value for other types of uses. The Commission recommends an assessment and prioritization of re-use potential to help determine which sites should be focused on first for development as industrial or commercial uses, and which sites should be developed later or potentially re-purposed for different uses. It is further suggested that the appropriate types of alternative uses may be identified as part of a brownfield reuse assessment through the prism of a Health Impact Assessment.

Rising Tides: As Jody London, Sustainability Coordinator, reported during the April 11, 2017, Northern Waterfront Economic Development Initiative Ad-Hoc Committee meeting in early 2015, the Bay Conservation and Development Commission (BCDC) convened and staffed a planning process, Adapting to Rising Tides (ART), to understand how current and future coastal

planning process, Adapting to Rising Tides (ART), to understand how current and future coastal and river flooding may affect communities and shoreline in Contra Costa County from Richmond to Bay Point.

The project investigated how flooding may impact transportation and utility networks, industrial facilities and employment sites, residential neighborhoods and community facilities, and shoreline park and recreation facilities. The project considered the consequences of flooding, both within and beyond the project area, and in particular the potential for disproportionate impacts on certain community members. Data from the study will inform the upcoming update of the County's General Plan, particularly the safety element, and can be similarly used by the other jurisdictions and organizations in the study area.

The ART study area did not include the eastern part of Contra Costa County. That region is not in BCDC's jurisdiction, even though it will likely experience rising tides due to climate change. The Delta Stewardship Council has approached County staff and BCDC about extending the study to the eastern part of the County, and has funding for this purpose. Staff finds this to be an exceptional opportunity to extend the study at little or no cost to the County. This will assist the cities in eastern Contra Costa County as well as the County and other stakeholders. Although this area is not in BCDC's jurisdiction, BCDC is best positioned to continue the work it started with the western part of the County. When performing studies outside of its geographical boundaries, BCDC requests that affected cities and counties request BCDC's involvement. Staff therefore recommends that the Board of Supervisors invite BCDC to extend the ART planning process to eastern Contra Costa County. The Board will receive a briefing on this on May 23, 2017.

The fiscal impact of participating in the next phase of the study will be zero or minimal, as the grant from the Delta Stewardship Council would include \$10,000 to cover time for County staff, but the information gathered is critical.

| Recommendation(s)/Next Step(s): |
|--|
|--|

N/A

Fiscal Impact (if any):

N/A

Attachments

No file(s) attached.



Contra Costa County Board of Supervisors

Subcommittee Report

AD HOC COMMITTEE ON SUSTAINABILITY

5.

Meeting Date: 05/22/2017

Subject: RECEIVE report from the Director of the Department of Conservation and

Development (DCD) on DCD implementation of County Climate Action Plan.

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

Department: Conservation & Development

Referral No.: N/A **Referral Name:** N/A

Presenter: John Kopchik, Director, Dept. of **Contact:** Jody London

Conservation and Development (925)674-7871

Referral History:

N/A

Referral Update:

BACKGROUND

The Department of Conservation and Development has a lead role in implementing the County's Climate Action Plan. This Report provides an update on DCD's work.

Recommendation(s)/Next Step(s):

RECEIVE report from the Director of the Department of Conservation and Development, and PROVIDE direction to staff as appropriate.

Fiscal Impact (if any):

There is no fiscal impact.

Attachments

DCD - CAP Implementation

Department of Conservation and Development Climate Action Plan Implementation

May 22, 2017

John Kopchik

Director
Department of Conservation and Development
Contra Costa County

Today's Presentation

- Climate Action Plan Framework
- Update on DCD activities to implement 2015 Climate Action Plan
 - Accomplishments
 - Future Work/Opportunities To Do More
- Highlight Potential Areas for Board Guidance and/or Funding

Key Takeaways

- We are making good progress on energy efficiency programs, community choice energy, energy financing programs, and solid waste diversion.
- For transportation goals, given the network and connected attributes, it is critical for success to have active partners County departments, cities, Contra Costa Transportation Authority, State.
- There are several areas where direction from the Board would be useful:
 - Potential updates to ordinances: with Board direction, DCD will examine these opportunities further and seek to identify staffing and resources.
 - Electric Vehicle Master Plan: having a Countywide plan that includes cities, community colleges, and PG&E will better position the County for funding opportunities.

Climate Action Plan Framework

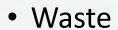
• Energy Efficiency



Renewable Energy



 Land Use and Mobility





Water



Where the work happens:

- Government operations
- Industrial
- Commercial
- Residential

Energy Efficient Buildings

Accomplishments

| Energy Efficiency Single-Family Projects Completed 2013- 2016 | | |
|--|--------------------|--|
| | | |
| Community | Projects Completed | |
| Alamo | 62 | |
| Bay Point | 10 | |
| Blackhawk | 1 | |
| Byron | 1 | |
| Crockett | 2 | |
| Discovery Bay | 16 | |
| El Sobrante | 25 | |
| Pacheco | 4 | |
| Rodeo | 4 | |
| Total | 125 | |

Opportunities to do more

 Greater collaboration with Green Business program

Low Income Energy Efficiency

June 1, 2015 to December 31, 2016: Served 488 Unduplicated Households

| Program – Households | Total Direct Services by Program |
|---------------------------------------|----------------------------------|
| Dept Of Energy Weatherization | \$ 81,788 |
| Assistance Program – 43 | |
| Low Income Home Energy | \$659,577 |
| Assistance Program – 417 | |
| Emergency Cooling and Heating | \$254,823 |
| Services – 148 | |
| Low Income Weatherization | \$343,902 |
| Program – 222 | |
| | |
| Grand Total of Direct Services | \$996,188 |

Energy Efficient New Buildings

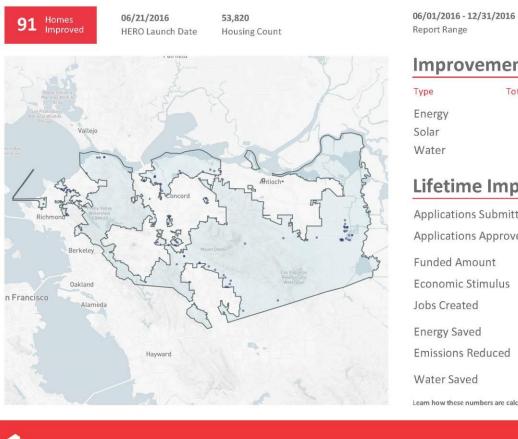
Accomplishments

 Through East Bay Energy Watch and BayREN, County has good outreach capacity

- Incorporate zero net energy into messaging
- Once the State indicates how ZNE will be reflected in code, the County can identify how to accelerate progress in this area
- Explore updates to ordinances

Property Assessed Clean Energy (PACE) Financing

Contra Costa County Unincorporated



Improvements

| Туре | Total Installed | Bill Savings |
|--------|-----------------|--------------|
| Energy | 116 | \$1.64M |
| Solar | 70 | \$3.68M |
| Water | 7 | \$42.0K |

Lifetime Impact

| Applications Submitted | 282 |
|--|----------------------------|
| Applications Approved | 212 |
| Funded Amount | \$2.74M |
| Economic Stimulus | \$4.74M |
| Jobs Created | 23 |
| Energy Saved | 21.4M kWh |
| Emissions Reduced | 5,411 tons |
| Water Saved | 4.91M gal |
| Learn how these numbers are calculated at hi | tos: //www.herogov.com/fao |

Urban Forestry and Paving and Roofing Materials

Accomplishments

- Tree Ordinance requires trees and planter islands when a development has more than 70 parking spaces
- Solar energy systems are allowed on or over parking areas

- Could explore updating ordinances to encourage:
 - Pervious paving materials
 - Bioswales
 More high-albedo materials that reflect heat
 - Trees in smaller projects

Alternative Energy Installations in County

<u>Accomplishments</u>

- County's process with cities for streamlined, online solar permitting, developed in 2011, was model for subsequent State legislation.
- Staff received grant from Strategic Growth Council to study renewable resource potential and needed zoning changes to deploy more renewables.

- Explore opportunities to install renewable resources at brownfield sites.
- Work with MCE to site renewable energy projects.

Alternative Energy Installations in County

The number of permits for residential rooftop solar in unincorporated County has climbed since Contra Costa County streamlined the permitting process in 2011.

| Year | # Permits Approved |
|--------------------|--------------------|
| 2012 | 550 |
| 2013 | 1108 |
| 2014 | 1396 |
| 2015 | 1689 |
| 2016 | 1458 |
| 2017 (as of March) | 257 |
| Grand Total | 6458 |

Community Choice Energy

Accomplishments

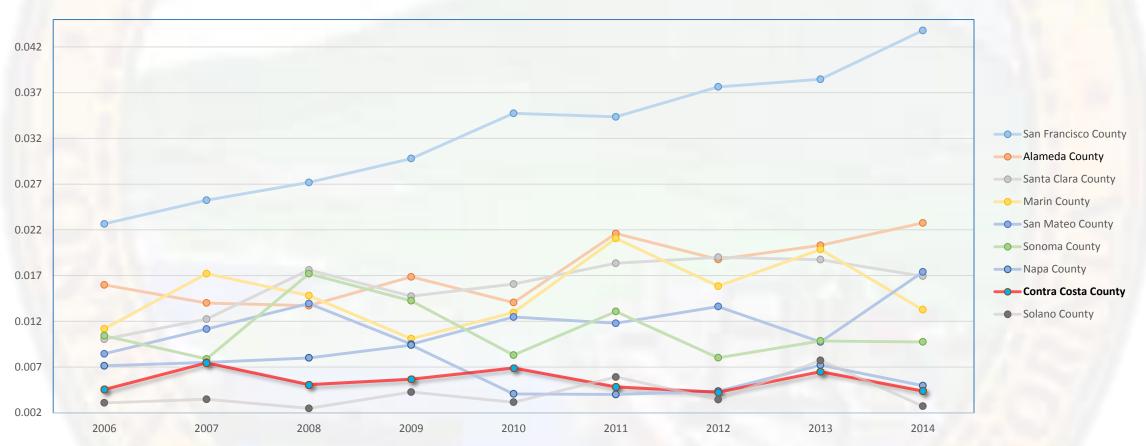
- Final Technical Study published March 13, 2017
- Board voted May 2 to join MCE
- Several cities have also voted to join MCE
- Outreach to community and cities is ongoing

Opportunities to do more

 When final CCE decisions are made by County and cities, staff can engage with the CCE on renewable energy opportunities in Contra Costa County.

ALTERNATIVE TRANSPORTATION: Nowhere To Go But Up

Bicycling in Bay Area Counties



Expanded Pedestrian, Bicycle, and Transit

Accomplishments

- DCD works with Contra Costa Transportation Authority and Public Works on growth management program, Priority Development area guideline development, and County Transportation Plan and Transportation Expenditure development
- County consistently applies for transportation funds for priority development areas in unincorporated County

- Networks of bike trails and BART stations are foundation for much higher bicycle usage, with a strategic investment in facilities and support across the County.
- Pending release of SB 743 guidelines (vehicle miles traveled replacing level of service) will promote alternative modes.
- An improved walk/bike to school rate is possible with strategic investments. New State curriculum on bike and pedestrian safety, local surveys indicate that driver behavior/unsafe driving/speeding is a barrier.

Alternative Fuel Infrastructure

Accomplishments

- DCD and Public Works received grant to install 7 electric vehicle chargers; two were slated for 651 Pine and will be returned.
- County adopted new electric vehicle ordinance in 2015 that exceeds State requirements for electric vehicle charger readiness in residential and commercial facilities.

- Electric Vehicle Master Plan for network of charging facilities across the County. Be wellpositioned for:
 - BAAQMD grant programs.
 - PG&E awarded \$130 million to install electric vehicles across its service territory.
 - VW settlement for \$800 million investment in zero emission vehicles and infrastructure over 10 years.

Agricultural Land Use

Accomplishments

- The General Plan has been amended to allow for urban farming in North Richmond only.
- Voter-approved urban limit line protects agricultural lands and open space from urban development.

Opportunities to do more

 The General Plan update provides an opportunity to expand and refine policies encouraging urban agriculture and community gardens.

Fleet Vehicles and Equipment

<u>Accomplishments</u>

Some waste haulers voluntarily use compressed natural gas

- Investigate other County contracts that maintain fleets (i.e., street sweeping)
- Work with waste haulers to minimize vehicle miles travelled without compromising need to expand the composting of green waste.

Reducing Vehicle Miles Traveled

<u>Accomplishments</u>

- County is developing housing near BART stations in unincorporated areas, including advocating for an increase in density for Block C of Contra Costa Centre
- County is establishing priority development areas in communities with access to express bus routes
- ABAG is considering creating a Priority Economic Development designation; several areas of the Northern Waterfront and North Richmond would be ideal for such a designation.

- State requirements to charge for parking at rail stations could encourage more bicycling
- Continue pursuing transportation funds for priority development areas

Waste Reduction

Accomplishments

- Amount of unincorporated area waste reported to have been disposed of in landfills in 2015 equates to a diversion rate of 69%.
- Ongoing public outreach.
- Mandatory annual reporting to State helps update and track waste management program.

Opportunities to do more

Public-private partnership formed by East County wastewater agency and waste management company to divert more organic waste from landfills. They are collectively pursuing cap and trade grant funding to plan and build two proposed projects that would increase organic waste diversion capacity at the Transfer Station that serves East County:

- 1. Develop processing capacity at the Transfer Station site to extract and pre-process organic component of solid waste stream so it can be sent via existing pipeline to the nearby Sanitary District's anaerobic digester that has excess operating capacity which will increase the amount of energy that the District produces.
- 2. Develop conversion facility at the Transfer Station site to generate energy from a combination of wastewater treatment biosolids generated at the nearby Sanitary District and wood waste, which is much tougher to divert from landfills now that there is no longer a wood recycling market.

Landfill Management

Accomplishments

- Ongoing verification of compliance with State methane control measures
- Two of the County's franchises were amended in 2015 and 2017 to require source-separated organics waste collected by haulers be composted and no longer used as cover.
- Board approved changes to one of the Conditions of Approval in the County issued LUP governing the Keller Canyon Landfill that requires the operator to proactively seek to ensure adequate composting capacity is available by 2020 to manage green waste currently used as ADC.

Opportunities to do more

 Level of GHG emissions reductions projected in the CAP associated with this measure may need to be cut in half based on recent documentation released by the Air Resources Board related to the State's Landfill Methane Rule.

[Projected reduction based on increasing methane capture rate from 75% to 80% rather than up to 85%.].

Conserve Water

<u>Accomplishments</u>

- Data from nine water purveyors within Contra Costa County indicates, on average, a 20% reduction as compared to potable water use in 2013. This is a direct consequence of the Governor's Executive Orders on Drought.
- Sustainable Groundwater Management Act.
 - On April 25, 2017, Board proceeded with creating a groundwater sustainability agency for eastern County.
- The County, through the Current Planning Section of DCD, is administering the State's Model Water Efficient Landscape Ordinance for new and existing construction projects. For development applications seeking building permits, Current Planning verifies new projects through a "Compliance Review" application and requires self-certification for "over the counter" permits.

Opportunities to do more

(including identifying staffing and other resources)

- Explore opportunities for the following:
 - Develop dual water system ordinance (see next slide)
 - Coordinate with water districts
 - Improve online resources for water conservation, including landscaping modifications

Alternative Water Supplies

<u>Accomplishments</u>

 The drought California has experienced, is experiencing, has heightened awareness of alternative water supplies. The County has benefited from the State's informational material found on their website and via email blasts.

Opportunities to do more

(including identifying staffing and other resources)

 Explore writing, implementing, and administering a Dual Water Systems Ordinance. To date the County has permitted less than ten of these systems.





Contra Costa County Board of Supervisors

Subcommittee Report

AD HOC COMMITTEE ON SUSTAINABILITY

6.

Meeting Date: 05/22/2017

Subject: RECEIVE report from the Director of the Department of Public Works (PWD)

on PWD implementation of County Climate Action Plan.

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

Department: Conservation & Development

Referral No.: N/A **Referral Name:** N/A

Presenter: Brian Balbas, Deputy Director, Dept. **Contact:** Jody London

of Public Works (925)674-7871

Referral History:

N/A

Referral Update:

BACKGROUND

The Department of Public Works has a lead role in implementing the County's Climate Action Plan. This Report provides an update on DPW's work.

Recommendation(s)/Next Step(s):

RECEIVE report from the Director of the Public Works Department, and PROVIDE direction to staff as appropriate.

Fiscal Impact (if any):

There is no fiscal impact.

Attachments

PWD - CAP Implementation

PUBLIC WORKS DEPARTMENT CLIMATE ACTION PLAN IMPLEMENTATION

MAY 22, 2017

Julie Bueren, Director Public Works Department Contra Costa County





TODAY'S PRESENTATION

Similar to our partners from DCD...

- Update on Public Works activities to implement 2015 CAP
 - Accomplishments
 - Opportunities To Do More
- Highlight Potential Areas for Board Guidance and/or Funding





KEY TAKEAWAYS

- Like our partners in DCD, Public Works is making good progress on many components of the CAP.
- Public Works partners with DCD on transportation, land use and government operation components of the CAP.
- Public Works is completing the recruitment of an Energy Manager to assist our Department with implementation of the CAP.
- Public Works is a partner in working with other County departments and the Board of Supervisors to realize the goals included in the CAP.





ENERGY EFFICIENT BUILDINGS

Accomplishments

- Continued retrofit on County buildings with LED light conversions.
- Working with partners to improve climate control on County buildings.
- Completed installation of new boilers on County buildings – replacing old less efficient ones.

- More collaboration with partners and vendors to enhance climate control.
- Develop more utility monitoring systems to control costs.
- Develop Countywide policy to increase departments incentive to participate.
- Work with CAO to develop facility disposition list.





ENERGY EFFICIENT NEW BUILDINGS

Accomplishments

- New building construction goal is to meet LEED – Silver.
- More energy efficient building designs being realized.

- Highlight cost/benefit aspects to zero net energy.
- Incorporate zero net energy aspects into building design as practical.
- Funding zero net energy design and construction costs in buildings has not been embraced.



URBAN FORESTRY AND PAVING AND ROOFING MATERIALS

Accomplishments

- Incorporated street trees and drought tolerant landscaping into roadways and landscape areas.
- Solar energy systems in parking areas.
- Incorporated roofing materials that reflect more heat into new roofs.

- Need funding to pursue and develop additional projects and cover staff time.
- Additional maintenance funds often required for street trees.
- Develop more proactive project development for renewable energy projects.



URBAN FORESTRY



Willow Pass Road/Port Chicago Highway

- Installed artificial turf and planted three trees for a nice drought tolerant landscaped area that is aesthetically pleasing.
- Low maintenance and water usage.
- Community is happy with the improvements.



EXPANDED PEDESTRIAN, BICYCLE AND TRANSIT

Accomplishments

- Worked with partners to develop alternate transportation facilities.
- Have successfully received grant funds to develop and construct pedestrian and bicycle facilities.
- Constructed and have many projects underway for pedestrian and bicycle facilities.

- Continue outreach to groups to identify pedestrian and bicycle needs.
- Continue work with various communities to identify project needs.



EXPANDED PEDESTRIAN AND BICYCLE FACILITIES





San Pablo Dam Road Downtown Improvements

Constructed sidewalk project that included planting approximately eighty (80) street trees in the downtown El Sobrante area.

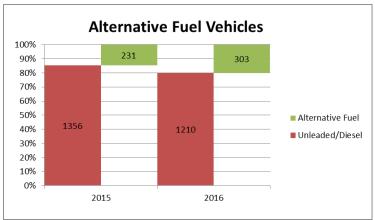
Canal Road Bicycle and Pedestrian Improvements

Pedestrian and bicycle improvements.

ALTERNATE FUEL INFRASTRUCTURE

Accomplishments

- Received grant to install 7 public facing electric vehicle chargers; working to install at two facilities this year.
- Increasing number of alternative fuel (hybrid, CNG, and electric) vehicles in County fleet.

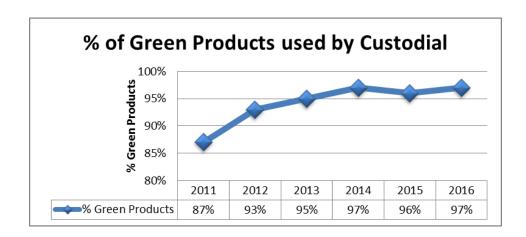


- Work with DCD to establish Electric Vehicle charger Master Plan for network of charging facilities across the County.
- Establish funding source to provide local match for EV charging grants.
- Develop solar project development plan for County facilities that account for future EV deployment.

ENVIRONMENTAL PURCHASING POLICY

Accomplishments

At least 95% of the custodial supplies used by PWD custodial staff is Certified Green Products.



Opportunities to do more

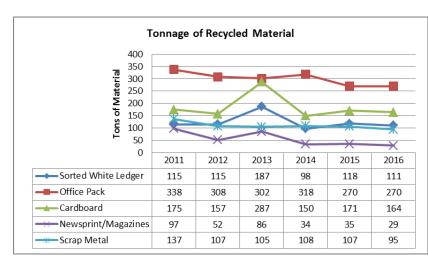
Continue to work with purchasing staff and County departments to develop further environmental purchasing policy implementation.

WASTE REDUCTION

Accomplishments

- Grounds Maintenance grinds tree and clean wood waste to make mulch for use on County landscape.
- Ongoing public and departmental outreach.
- ❖ Public Works Materials Management Division recycles an incredible amount of items annually and provides surplus material, supplies, equipment, and furniture for reuse by departments.

- Continue to provide recycling opportunities to County departments through outreach and education.
- Develop additional programs to maximize tree and wood waste recycling.

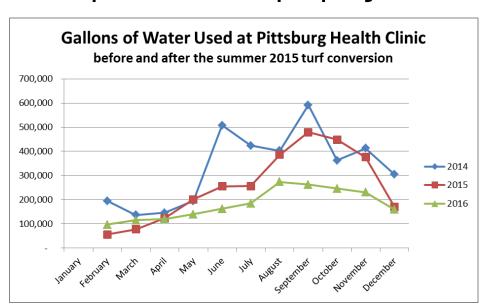


CONSERVE WATER

Accomplishments

- County Grounds Maintenance staff have implemented water reducing measures and smart irrigation technology in landscaping areas throughout the County.
- County Grounds Maintenance in process of bidding out to landscape contractors to increase installation of turf conversions and drought tolerant landscaping.
- Turf conversion project at Pittsburg Health Center have saved 2.5 million gallons of water over 2 years.

- Additional funding must be identified to complete landscape projects.
- County should develop ways to incentivize departments to complete landscape projects.





THANK YOU



Contra Costa County Board of Supervisors

Subcommittee Report

AD HOC COMMITTEE ON SUSTAINABILITY

7.

Meeting Date: 05/22/2017

Subject: RECEIVE Staff Report comparing County climate action planning documents

with State and regional climate planning documents.

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

Department: Conservation & Development

Referral No.: N/A **Referral Name:** N/A

Presenter: Jody London, Sustainability **Contact:** Jody London, 925-674-7871

Coordinator

Referral History:

None.

Referral Update:

The Ad Hoc Sustainability Committee Chair requested a report from staff comparing actions in the County's climate planning documents (the 2008 Municipal Climate Action Plan focused on County operations and the 2015 countywide Climate Action Plan) with actions in recently updated climate planning documents from the California Air Resources Board (Scoping Plan Update), and the Bay Area Air Quality Management District (BAAQMD; Clean Air Plan). A chart that details this analysis is attached. This report provides an overview of areas where the various documents align, and areas where there are differences.

In general, all the documents share the objectives of reducing greenhouse gas emissions and providing public health benefits. The general theme of energy efficient buildings, transit oriented land use, more renewable energy, cleaner fleets, more waste diversion, and lower water consumption are shared across all the documents. The County documents are more specific about particular actions and measures and have more focus on funding and outreach. The BAAQMD Clean Air Plan includes a section on reducing emissions from the stationary source sector that the County documents do not include because BAAQMD is the lead agency for regulating stationary sources, and the County's authority is very limited in this area. The ARB and BAAQMD also include measures on short-lived climate pollutants that are not included in the County documents, again because the County has no regulatory authority over such pollutants.

Energy Efficiency

All the documents have a goal of using energy more efficiently. The County's Climate Action Plan (CAP) focuses more on measures related to participation in energy efficiency incentive

programs. The Air Resources Board (ARB) Scoping Plan Update recommends the

programs. The Air Resources Board (ARB) Scoping Plan Update recommends the implementation of energy storage in commercial and industrial buildings as a strategy for controlling peak energy loads. The County's documents do not include energy storage. The County's documents include operational measures related to LED lighting, facility siting, and use of materials that are not as prominent in the ARB or BAAQMD documents. The County also has more specificity about outreach and education activities, building design and construction, funding opportunities, workforce development, and zero net energy goals than the ARB and BAAQMD documents.

Renewable Energy

The County and State both identify installing renewable energy on public properties and using renewable energy for government operations. The County and BAAQMD both identify bulk procurement programs for rooftop solar systems – the County for municipal use and BAAQMD for community scale programs. The County names several topics under renewable energy which neither ARB nor BAAQMD do: cogeneration; financing for municipal, residential, and business renewable energy and energy efficiency installations; grid infrastructure preparedness; and community choice energy.

Land Use and Transportation

All the documents focus on active transportation, particularly increased access to safe routes for walking and bicycling, and better transit. For the County, success with transportation goals is linked with actions taken by other entities, particularly the Contra Costa Transportation Authority. The County's Municipal Climate Action Plan includes a number of measures that provide alternatives to Single Occupant Trips, all of which are mentioned in the other documents and some of which have been acted on since the Municipal Plan was adopted in 2008, particularly with the County fleet. Opportunities for the County to do more include increased use of flexible employee work schedules and telecommuting, carpools, and pretax benefits for mass transit and carpools.

The County, ARB, and BAAQMD all talk about the importance of increasing transit ridership and expanding transit service.

The County CAP and the BAAQMD Clean Air Plan both mention Safe Routes programs that identify and eliminate barriers to safe access to and from school and work when walking, biking, or taking transit; the State does not. On the issue of complete streets policies that facilitate the design and buildout of streets that allow easy walking and bicycling and include amenities such as lighting, vegetation, and drainage, the State urges these policies as well, while BAAQMD does not mention them.

The State and BAAQMD both recommend traffic circulation policies that promote intelligent traffic management systems and freeway and arterial street efficiency. Similarly, the State and BAAQMD both discuss smart driving strategies and pilots; the County does not.

The State and BAAQMD recommend policies that charge for parking for individual vehicles and prioritize parking for carpools, electric vehicles, and/or vanpools near major employment areas. The County Municipal CAP recommended a user fee for employee parking, with the surplus allocated to incentives for commute alternatives; no action has been taken on this issue.

The development policies in the County CAP align with the ARB and BAAQMD documents on the overarching goal of reducing vehicle miles travelled through land use policies, particularly by adopting an urban limit line, building more housing near transit stops and stations, and establishing specific plans/Priority Economic Development Areas. The State goes farther in naming policies that specify incentives for development plans and projects that use green building standards. The County CAP is the only document that mentions the siting of schools in agricultural areas as a practice to discourage.

BAAQMD's Clean Air Plan is the only document that names cleaner aircraft engines and renewable jet fuel, and technologies to reduce emissions from harbor craft. The BAAQMD Clean Air Plan also is the only document to recommend identifying pollution emissions from economic and population growth that can accompany a project, for example, by generating more vehicle trips.

The County and the ARB documents both recognize it is important to identify funding for low-carbon transportation. ARB recommends developing a transportation impact fee program for this purpose. The County similarly discusses funding transit through development applications and other methods.

The County, BAAQMD, and ARB all recognize the importance of reducing emissions from vehicle fleets. The County CAP names waste haulers specifically, while the BAAQMD Clean Air Plan talks about goods movement and the ARB talks about joint purchase agreements. It should be noted that the County already takes advantage of joint purchasing for vehicles with the State. The County, BAAQMD, and ARB also all recognize the importance of reducing emissions from off-road equipment used for agriculture, landscaping, and gardening.

Both the County and ARB address vehicle idling. The County Climate Action Plan discusses idling in the context of off-road and heavy equipment, while the ARB Scoping Plan Update restricts all idling, especially in sensitive areas such as schools. The BAAQMD is sponsoring an Idle Free Bay Area program that some Contra Costa County schools and community groups have adopted. The Board of Supervisors took the Idle Free Pledge on April 25, 2017, and encourages County employees and residents to do the same.

Similarly, all four documents identify alternative fuel vehicles both for fleet use and for personal use and the infrastructure to charge them. The County has made good progress in changing out the vehicles in its fleet and using cleaner types of diesel fuel. The County's ability to pursue funding opportunities for electric vehicle chargers would be enhanced if the Board allocated matching funds required in the grant applications from BAAQMD; currently, individual departments determine whether they wish to allocate funds for electric vehicle charging equipment.

Solid Waste

All the plans emphasize diverting waste from landfills, doing more to compost and recycle. All the documents also state zero waste goals, although the ARB anticipates meeting those goals by 2020 while the County's zero waste goal is for 2035. The County's Municipal Climate Action Plan does not discuss composting in County facilities, while the State discusses organics collection and edible food recovery programs in all residential and commercial facilities, as well as requiring new construction to include bin space for recycling organic materials.

The County's Department of Conservation and Development is piloting a composting program in its office currently in cooperation with the waste hauler for Martinez, where the office is located.

As in other issue areas, the County Climate Action Plan includes a focus on education and outreach that the ARB and BAAQMD documents do not. All the documents also discuss opportunities to install anaerobic digesters, a form of renewable energy, at landfills and wastewater treatment plants.

The ARB Scoping Plan Update contains recommended actions around construction and demolition waste practices, carbon sequestration, and requirements for landscapers that are not mentioned in the County or BAAQMD documents.

Water

All the documents provide goals and actions for conserving water. The ARB has more recommendations, including developing a plan for water recycling and greywater reuse that are not included in the BAAQMD or County documents. Both the County and ARB discuss removing turf, using instead water efficient landscaping. The ARB and BAAQMD both identify reducing greenhouse gas emissions from publicly operated treatment works, which the County does not. The State also recommends working with local water agencies to evaluate the impact of proposed new development and land use on groundwater and long-term water supply.

Recommendation(s)/Next Step(s):

RECEIVE staff report comparing County Climate Action Plan and Municipal Climate Action Plan with California Air Resources Board Scoping Plan Update and Bay Area Air Quality Management District Clean Air Plan and **PROVIDE DIRECTION** regarding areas of focus for staff in short-, medium-, and long-term.

| Fiscal Impact (if any): | | |
|-------------------------|--|--|
| None. | | |
| | | |
| | | |

Attachments

Comparison of climate action documents

| | А | В | С | D | Е |
|---|-------------------|--|---|---|--|
| 1 | | Contra Costa County Climate Action Plan (2015) | Contra Costa County Municipal Climate Action Plan (2008) | 1701 / Draft (Ilmate (nange Sconing | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| | Energy Efficiency | | | | Framework: |
| 2 | | | | | · Increase energy efficiency and the use of onsite renewable energy. |
| | Energy Efficiency | Energy Efficiency Incentive | | Energy Efficiency Incentive | |
| | = - | Programs: | | Programs: | |
| 3 | | · Continue and expand single-family, multi-family, and commercial customer participation in established rebate programs, including BayREN and East Bay Energy Watch. · Increase participation in low-income weatherization programs and seek additional program funding. · Work with PG&E to advertise and promote a residential appliance rebate program with a focus on properties with potential high appliance energy use. | | Create incentive programs to promote building energy efficiency projects. | |

| | A | В | С | D | E |
|---|-------------------|--|--|---|---|
| 1 | | Contra Costa County Climate Action Plan (2015) | Contra Costa County Municipal Climate Action Plan (2008) | California Air Resources Board 2017 Draft Climate Change Scoping Plan Update | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| | Energy Efficiency | Energy Efficient Operations: | Energy Efficient Operations: | Energy Efficient Operations: | Energy Efficient Operations: |
| 4 | | Complete LED upgrade of traffic signals, street lighting, and other public lighting located in the unincorporated areas of the County. Support various programs to plant and maintain trees in urban and rural areas. Site County facilities that have more than 50 personnel in close proximity to infrastructure and services that support alternative commute modes. Continue to conduct audits of existing and recently acquired facilities, prioritize improvements, and upgrade County facilities to save energy. | Set the default on all County copying/printing machines to duplex (double-sided) mode for all print jobs and possibly copy jobs. Purchase energy efficient copiers, computers, and other office equipment. Install thermally resistant window films on County buildings. Ensure HVAC controls and recommissioning programin County buildings. Install LEDs in all County-owned streetlights and traffic signals. | Replace public lighting with energy-efficient lighting. Implement large-scale energy storage in commercial and industrial buildings to control peak loads. Implement building energy audit and retrofit programs and residential solar programs. Require energy conserving applicances, programmable thermostats/timers, reporting of energy use by large residential and commercial developments. Set per capita energy use targets. | Limit the installation of space and water heating systems and appliances powered by fossil fuels. |

| | A | В | С | D | E |
|---|-------------------|--|---|---|--|
| 1 | | Contra Costa County Climate Action Plan (2015) | Contra Costa County Municipal Climate Action Plan (2008) | 12017 Draft Climate Change Scoping | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| | Energy Efficiency | Energy Efficiency Policies: | | Energy Efficiency Policies: | |
| 5 | | · Develop policies related to powering off lights and appliances in County buildings after hours and after dark. | | Adopt local ordinances to require energy-efficiency upgrades for existing buildings at the time of a major remodel or change of ownership. Reduce permit fees and streamline permitting requirements for energy-efficiency- and renewable energy-related building renovations. Require all new construction to achieve third-party green building certifications. | |

| | А | В | С | D | E |
|---|-------------------|---|--|--|---|
| 1 | | Contra Costa County Climate Action Plan (2015) | Contra Costa County Municipal Climate Action Plan (2008) | California Air Resources Board 2017 Draft Climate Change Scoping Plan Update | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| | Energy Efficiency | Energy Efficiency Outreach: | Energy Efficiency Outreach: | | Energy Efficiency Outreach: |
| | | Create a prioritized list of energy-intense facilities to target for additional education and/or financial support; Inform nonresidential building owners about the savings potentials from retrocommissioning, retrofits, and deep retrofits; Inform the business community about the monetary benefits associated with energy-efficient appliances; Engage with PG&E to provide multilingual and culturally relevant educational material to residents and businesses to increase awareness and use of real-time energy consumption data; Work with the Bay Area Green Business Program to highlight examples of energy-efficient local businesses. | Create an employee energy awareness program to promote energy conservation and efficient use of County facilities. | | Decrease energy use in the Bay Area by increasing consumer awareness about energy efficiency through education and outreach and tracking electricity use. |
| 6 | | | | | |

| | А | В | С | D | Е |
|---|-------------------|--|---|--|---|
| 1 | | Contra Costa County Climate Action Plan (2015) | Contra Costa County Municipal Climate Action Plan (2008) | California Air Resources Board 2017 Draft Climate Change Scoping Plan Update | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| | Energy Efficiency | Energy Financing: | | Energy Financing: | Energy Financing: |
| 7 | | Develop outreach materials that explain the opportunities for financing energy efficiency retrofits such as a PACE program, low-interest energy efficiency loans through the CEC, integration of energy efficiency retrofit projects into capital lease structures, and mortgage refinancing; Identify staffing and a revenue stream to develop a shared landlord-tenant program to support the financing of energy efficiency retrofits to renter-occupied buildings; Collaborate with local organizations to develop and implement the outreach approaches outlined in this measure. | | · Promote property-assessed clean energy financing districts or other financing mechanisms to fund permanent energy-efficiency, water-efficiency, and renewable energy improvements in the residential and commercial sectors. | · Facilitate market-based solutions to reduce greenhouse gas emissions. |

| | A | В | С | D | E |
|---|-------------------|--|---|---|--|
| 1 | | Contra Costa County Climate Action Plan (2015) | Contra Costa County Municipal Climate Action Plan (2008) | California Air Resources Board 2017 Draft Climate Change Scoping Plan Update | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| | Energy Efficiency | Building Design and Construction: | | Building Design and Construction: | Building Design and Construction: |
| | | Encourage increased use of higher albedo materials for surfaces including roofs, parking areas, driveways, roads, and sidewalks; Encourage developments with parking lot areas to shade these areas with vegetation or solar panels when appropriate; Continue to promote the use of low-impact development (LID) strategies and reduction in impervious surface area of new development; Encourage increased use of cool roof materials on new and existing buildings to reduce the urban heat island effect and corresponding cooling energy consumption. | | Adopt guidelines for incentivizing new buildings to maximize energy conservation designs. Develop strategies and goals to reduce urban heat islands through cool roofs, shade trees, and cool non-roof surfaces, including covered parking areas with PV systems to provide shade. Require cool roofs and/or green roofs on new construction. Require cool paving and/or light reflective permeable surfaces in sidewalks, patios, driveways, parking lots, or other paved areas. Adopt green building standards that exceed minimum State building standards. Require residential unites to be "solar ready." | Reduce the "urban heat island" (UHI) by increasing application of "cool roofing" and "cool paving" technologies. |
| 8 | | | | | |

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| 1 | | Contra Costa County Climate Action Plan (2015) | Contra Costa County Municipal Climate Action Plan (2008) | California Air Resources Board 2017 Draft Climate Change Scoping Plan Update | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| | | Funding: Monitor grants from cap-and-trade revenue and other funding sources, and inform applicable County agencies; Create a framework for revenues from cap-and-trade offsets or | | | |
| 9 | | allocations to fund energy efficiency and resource conservation programs, such as those proposed in this CAP, to be used locally, particularly within recognized impacted communities or areas. | | | |
| 10 | | Workforce Develpment: · Work with the Contra Costa Community College District and the Contra Costa Workforce Development Board to encourage and develop workforce training programs for green jobs, including energy efficiency audits, energy retrofits, and renewable energy installation. | | | |

| | А | В | С | D | E |
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| 1 | | Contra Costa County Climate Action Plan (2015) | Contra Costa County Municipal Climate Action Plan (2008) | California Air Resources Board 2017 Draft Climate Change Scoping Plan Update | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| | Energy Efficiency | Zero Net Energy (ZNE): | | Zero Net Energy (ZNE): | |
| 11 | | Identify and remove barriers to ZNE construction in the County's regulatory framework. Work with developers, property owners, and financial donors to construct and publicize example ZNE homes prior to the adoption of ZNE building codes by the CA Energy Commission. Provide information about ZNE buildings at public events, on the County website, and in the development review process. Include information about ZNE buildings in other energy efficiency education efforts. Explore making new and significantly retrofitted County buildings zero net energy. | | Adopt residential and commercial energy conservation, renewable energy, and/or zero net energy ordinances. | |

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|----|------------------|---|---|--|---|
| 1 | | Contra Costa County Climate Action Plan (2015) | Contra Costa County Municipal Climate Action Plan (2008) | California Air Resources Board 2017 Draft Climate Change Scoping Plan Update | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| | Renewable Energy | Zoning and Permitting: | | Zoning and Permitting: | |
| | | Amend the County Zoning Code to designate areas and development standards that are appropriate for and supportive of small- and medium-sized alternative energy and energy storage installations not covered by AB 2188. Create development standards allowing for the ministerial approval of rooftop energy systems on commercial buildings, with a focus on warehouses and other structures with large surface area roofs. Train planning staff to provide guidance and information on the | | Streamline permitting and environmental review and reduce fees for small-scale renewable energy systems. Permit renewable energy generation facilities as of right in zones with compatible uses. Require new residential and commercial construction to install solar or be solar ready. Require on-site renewable energy generation by large-scale residential and commercial projects. Encourage the development of brightfields – brownfields that are | |
| | | streamlined process and available | | used to develop solar energy – | |
| | | incentives. | | through tax incentives, | |
| | | | | streamlining, and use of locally- | |
| 12 | | | | owned land. | |

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| 1 | | Contra Costa County Climate Action Plan (2015) | Contra Costa County Municipal Climate Action Plan (2008) | California Air Resources Board 2017 Draft Climate Change Scoping Plan Update | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| | Renewable Energy | Operations: | Operations: | Operations: | Operations: |
| | | Increase solar electricity use for County and agency operations. Continue to install alternative energy facilities (e.g., photovoltaic panels and electric vehicle charging stations) on public buildings and lands in the unincorporated County. | · Install additional solar systems at the West County Detention Facility, the Buchanan Airport Field, the Pleasant Hill Library, and the Elections Office. | Encourage the use of renewable energy and storage. Pursue renewable energy development on municipal buildings or purchase renewable energy to power municipal operations. | · Promote and expedite a transiton away from fossil fuels used in electricity generation to greater reliance on renewable energy sources |
| 13 | | | | Require on-site renewable energy | |
| 14 | G, | Procurement: Continue to participate in the Regional Renewable Energy Procurement Project or similar bulk purchasing programs to purchase solar photovoltaic systems for onsite generation at public facilities. Encourage participation in PG&E's green tariff program. | | | Procurement: · Adopt a community solar program to help realize economies of scale and help residents w/out appropriate rooftop space to participate in clean energy generation. |
| 15 | Renewable Energy | Cogeneration: · Work with East Bay Municipal Utility District and other wastewater processors to install cogeneration infrastructure on wastewater treatment facilities. | Cogeneration: Cogeneration plants for buildings that operate 24 hours per day. | | Cogeneration: · Support expansion of dairy digesters. |

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| 1 | | Contra Costa County Climate Action Plan (2015) | Contra Costa County Municipal Climate Action Plan (2008) | California Air Resources Board 2017 Draft Climate Change Scoping Plan Update | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| | Renewable Energy | Financing: | | | |
| | | Improve participation in existing and planned financing mechanisms for renewable energy and energy storage systems, such as PACE and BayREN. Connect businesses and lowincome homeowners with renewable energy rebate and | | | |
| 16 | | financing programs. | | | |
| - | Renewable Energy | Infrastructure Preparedness: | | | |
| 17 | | · Work with PG&E to identify areas where grid capacity may be insufficient to accommodate an increase in renewable energy capacity, and encourage PG&E to upgrade such areas to reduce barriers. | | | |
| | Renewable Energy | Community Choice Energy: | | | |
| 18 | | Continue exploring options for implementing Community Choice Aggregation within the unincorporated area of the County. | | | |

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| | - | Contra Costa County Municipal Climate Action Plan (2008) | 1701 / Draft Climate Change Sconing | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| Land Use and Transportation | Active Transportation: | | Active Transportation: | Active Transportation: |
| | nonprofits, and other stakeholders to expand bicycle and pedestrian facilities and existing public transportation. Through updates to the Contra Costa Transportation Authority's (CCTA) Countywide Bicycle and Pedestrian Plan, identify opportunities to improve access to community-wide bicycle and pedestrian networks. Cooperate with CCTA and adjoining jurisdictions in updating and implementing the Countywide Bicycle and Pedestrian Plan and local plan, including 2020 mode share goals, and integrating the goals into future General Plan | | Adopt and implement a bicycle and pedestrian master plan which includes targets for trips taken by bicycle and on foot. Require the design of bike lanes to connect to the regional bicycle network. Provide on-site bicycle parking and storage in multi-family residential and non-residential projects. Provide on- and off-site safety improvements for bike, pedestrian, and transit connections. | · Improve and expand bicycle and pedestrian facilities. |
| | Land Use and Transportation | Contra Costa County Climate Action Plan (2015) Land Use and Transportation Collaborate with local transportation, land use agencies, nonprofits, and other stakeholders to expand bicycle and pedestrian facilities and existing public transportation. Through updates to the Contra Costa Transportation Authority's (CCTA) Countywide Bicycle and Pedestrian Plan, identify opportunities to improve access to community-wide bicycle and pedestrian networks. | Contra Costa County Climate Action Plan (2015) Land Use and Transportation Collaborate with local transportation, land use agencies, nonprofits, and other stakeholders to expand bicycle and pedestrian facilities and existing public transportation. Through updates to the Contra Costa Transportation Authority's (CCTA) Countywide Bicycle and Pedestrian Plan, identify opportunities to improve access to community-wide bicycle and pedestrian networks. Cooperate with CCTA and adjoining jurisdictions in updating and implementing the Countywide Bicycle and Pedestrian Plan and local plan, including 2020 mode share goals, and integrating the goals into future General Plan | Contra Costa County Climate Action Plan (2015) Land Use and Transportation Collaborate with local transportation, land use agencies, nonprofits, and other stakeholders to expand bicycle and pedestrian facilities and exiting public transportation. Through updates to the Contra Costa County Municipal (2008) Active Transportation: Active |

| | Α | В | С | D | Е |
|----|-----------------------------|---|--|---|--|
| 1 | | Contra Costa County Climate Action Plan (2015) | Contra Costa County Municipal Climate Action Plan (2008) | California Air Resources Board 2017 Draft Climate Change Scoping Plan Update | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| | Land Use and Transportation | Alternatives to Single Occupant | Alternatives to Single Occupant | Alternatives to Single Occupant | Alternatives to Single Occupant |
| | | Trips: | Trips: | Trips: | Trips: |
| 20 | | Continue to promote voluntary trip reduction programs such as school buses, Rideshare, Spare-the-Air Days, Bike to Work Day, employer shuttles, and alternative work schedules. Support and increase the use of carpooling services such as rideshare or casual carpool. | Flexible employee work schedules. Institute compressed work weeks in all County departments. Expand the telecommuting program by identifying opportunities to increase employee participation to 30%. Purchase of 86 hybrid vehicles for fleet. Employee carpool and vanpool programs. Allow County employees to use pre-tax dollars to pay for mass transit or carpool expenses. | Require employer-based trip reduction programs and provide funding to support them if feasible. Promote ridesharing and last-mile connections. Develop a rideshare program targeting commuters to major employment centers. | Mandatory (e.g., pre-tax) and voluntary trip reduction program. Increase the number of employees who telework. Promote ridesharing services. |

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| 1 | | Contra Costa County Climate Action Plan (2015) | Contra Costa County Municipal Climate Action Plan (2008) | California Air Resources Board 2017 Draft Climate Change Scoping Plan Update | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| | Land Use and Transportation | Safe Routes: | | Safe Routes: | Safe Routes: |
| | | Assist with Safe Routes to School program implementation. Work with the Contra Costa Transportation Authority, local school districts, and advocacy organizations such as the East Bay Bicycle Coalition to encourage bicycle safety classes in all schools. | | Promote safe routes to school program that encourages youth to walk or ride bicycles to school. Promote safe routes to transit programs for pedestrians and bicyclists. | · Facilitate safe routes to schools and transit. |
| 21 | Lond House of Transportation | Complete Character | | Consulate Character | Committee Character |
| 22 | | Update County road standards, as opportunities arise, to accommodate all modes of transportation in local street designs (i.e., complete streets). Implement standards as part of routine maintenance and striping. | | · | Plant trees in urban settings. |

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| 1 | | Contra Costa County Climate Action Plan (2015) | Contra Costa County Municipal Climate Action Plan (2008) | California Air Resources Board 2017 Draft Climate Change Scoping Plan Update | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| | Land Use and Transportation | Development Policies: | | Development Policies: | Development Policies: |
| | | Work to increase densities within half a mile of BART and Amtrak stations, and within a quarter of a mile of stops for express bus routes. Continue the County's policy of encouraging the establishment of Priority Economic Development Areas in residential communities. Work to increase densities within half a mile of BART and Amtrak stations, and within a quarter of a mile of stops for express bus routes. Continue to discourage schools being sited in agricultural areas. | | Streamline permitting and environmental review and reduce fees for construction of secondary units to promote infill in targeted areas. In appropriate locations, adopt: 1) as-of-right zoning, and 2) design standards and guidelines, to enable mixed use, walkable, compact, infill development that includes a range of housing types and affordability levels. Provide incentives for certifying development plans and projects using LEED for Neighborhood Development or similar third-party certification system. Require local specific plans for rideshare-designated parking spaces, new bus stops, employment centers, and commercial areas. Adopt an urban growth boundary. | Support land use patterns that reduce vehicle miles traveled (VMT). |
| 23 | | | | | |

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| 1 | | Contra Costa County Climate Action Plan (2015) | Contra Costa County Municipal Climate Action Plan (2008) | California Air Resources Board 2017 Draft Climate Change Scoping Plan Update | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| | Land Use and Transportation | | | Circulation: | Circulation: |
| 24 | Land Use and Transportation | Senate Bill 743: | | Promote intelligent traffic management systems to improve traffic flow. Senate Bill 743: | Improve the performance and efficiency of freeway and arterial systems |
| 25 | | · Revise the County CEQA guidelines to reflect implementation of Senate Bill 743 | | Update Lead Agency's transportation impact analysis guidelines and congestion management plans to comply with SB 743. Adopt a jurisdiction-wide transportation demand management plan which sets numeric targets or caps for the proportion of non-single occupancy vehicle (SOV) trips associated with new development, and/or an overall vehicle miles traveled (VMT) target. | |
| | Land Use and Transportation | | | | Rail: |
| 26 | | | | | · Improve rail service. |

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| 1 | | • | Contra Costa County Municipal Climate Action Plan (2008) | California Air Resources Board 2017 Draft Climate Change Scoping Plan Update | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| | Land Use and Transportation | Funding: | | Funding: | |
| 27 | | Identify funding sources to support increased walking and bicycling activity. Continue to explore funding transit with development applications and other alternative transportation finance methods. | | · Develop a transportation impact fee program to fund low-carbon transportation. | |

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| | Land Use and Transportation | Vehicle Fleets: | | Vehicle Fleets: | Vehicle Fleets: |
| 28 | | As opportunities arise, include alternative-fuel use goals in franchise agreements for waste hauling and contracts with other vehicle fleets. Partner with waste haulers and other fleets with regular routes to reduce the frequency of routes where possible. | | compared to current practices (e.g., through use of renewable fuels, route optimization plan, etc.). | Regional programs to reduce emissions associated with goods movement. Provide and encourage other organizations to provide incentives for purchase of medium and heavyduty trucks. |

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| | Land Use and Transportation | Alternative Fuel Vehicles: | Alternative Fuel Vehicles: | Alternative Fuel Vehicles: | Alternative Fuel Vehicles: |
| 29 | | · Support development of alternative-fuel vehicle infrastructure such as biofuel and electric vehicle (EV) charging stations and designated parking spots with chargers, including amending parking design and layout section of the County Zoning Code to locate alternative fuel vehicle infrastructure in areas of high visibility and easy access. · Pursue grant funding opportunities to install public EV chargers or other alternative fuel charging stations. | Purchase 100 more hybrid vehicles for the fleet. Purchase 50 more CNG vehicles for the fleet. Install an above-ground 5,000-gallon E85 ethanol fuel tank for the County's 70 FlexFuel vehicles as well as other users (CHP and CALTRANS). Change to B20 biodiesel fuel for diesel fleet. | Streamline local permitting and siting for hydrogen fueling and electric vehicle (EV) charging infrastructure. Adopt and implement EV and hydrogen readiness plans. +D8 Replace public fleet vehicles and trips with electric or alternative fueled vehicles as much as feasible and provide EV chargers in public spaces. Replace public fleet vehicles and trips with electric or alternative fueled vehicles as much as feasible and provide EV chargers in public spaces. Support biogas use in the transportation sector. Require all buildings to have EV charging. | · Expand the use of Zero Emission Vehicles. |
| | Land Use and Transportation | | | Smart Driving: | Smart Driving: |
| 30 | | | | Promote smart driving strategies through public education and outreach. | Implement a smart driving pilot program. |

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| | Land Use and Transportation | | Parking Policies: | Parking Policies: | Parking Policies: |
| | | | Institute a user fee for parking spaces owned or leased by the County and allocate the surplus revenue to incentives for use of commute alternatives. | Update code of ordinances to reduce parking requirements and eliminate parking minimums; impose parking maximums. Adopt a Transportation Management Ordinance to require carpool, electric vehicle, and/or vanpool preferential parking spaces close to the major employment areas. Require preferential parking spaces for park and ride or carpools, vanpools, bus, electric vehicles, and rail use. Allow for new construction to install fewer on-site parking spaces than required by municipal code. | · Regional and local policies that charge for parking. |
| 31 | Land Use and Transportation | | | | Education and Outreach: |
| 32 | · | | | | · Include various public outreach campaigns to educate the public about the health effects of air pollution. |

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| | Land Use and Transportation | | | - | Indirect Source Review: |
| 33 | | | | | · Indirect source review (ISR) measure addresses potential increases in air pollutant emissions related to economic and population growth. |
| - | Land Use and Transportation | | | | Aircraft: |
| 34 | | | | | Cleaner aircraft engines and renewable jet fuel. |
| | Land Use and Transportation | Transit: | | Transit: | Transit: |
| 35 | | · Collaborate with BART and other transit providers to increase ridership in the County. | | · Expand transit and rail services | Improve existing transit service. Improve transit efficiency through 511 transit, Clipper fare payment system and Transit Hub Signage Program. |
| | Land Use and Transportation | | | | Ships and Harbors: |
| 36 | | | | | · Support control technologies that could be deployed on commercial harbor craft to reduce emissions. Replicate the Green Ship Program. |

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| | | | | Carbon Sequestration and Offsets: | Carbon Sequestration and Offsets: |
| 37 | | | | Encourage applicants to consider generating or purchasing local and California-only carbon credits for | · Increase carbon sequestration in rangelands and wetlands by providing technical and research assistance to local governments, regional agencies, and property owners. |

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| | | | | | Refineries and other Stationary |
| | | | | | Sources: |
| | | | | | · Reduce particulate matter |
| | | | | | emissions from fluid catalytic |
| | | | | | cracking units. |
| | | | | | · Reduce odors and emissions of |
| | | | | | total organic gases, sulfur dioxide, |
| | | | | | particulate matter, nitrogen oxide, |
| | | | | | carbon dioxide, methane from a |
| | | | | | range of industrial operations, |
| | | | | | including refineries, oil and gas |
| | | | | | facilities, commercial cooking |
| | | | | | equipment, backup generators, |
| | | | | | wood smoke, construction sites, |
| | | | | | asphalt, acid plants. |
| | | | | | · Reduce frequency and magnitude |
| | | | | | of flaring events. |
| | | | | | · Enhance New Source Reveiw |
| | | | | | permit requirements. |
| | | | | | · Lower the threshold for Best |
| | | | | | Available Control Technology. |
| | | | | | · Reduce emissions of voluntary |
| | | | | | organic compounds from coatings, |
| | | | | | solvents, lubricants, and adhesives, |
| 38 | | | | | digital printing. |

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| | Land Use and Transportation | Off-Road Equipment: | | Off-Road Equipment: | Off-Road Equipment: |
| | | · Work with BAAQMD to: increase the use of alternatively fueled equipment in agricultural operations through education, incentives, or revisions to existing regulations. · Incentivize the use of battery-powered lawn and garden equipment. · Provide support for BAAQMD's voluntary exchange program for residential lawn mowers. | | Create incentives for electric landscaping power tools and off-road equipment. Provide electric outlets to promote use of electric landscape maintenance equipment to extent feasible on parks and public lands. | Reduce emissions from off-road equipment used in construction, freight and farming industries by offering financial incentives between 2015 and 2025 to retrofit engines or upgrade to electric or Tier IV; develop more fuel-efficient engines and; work with local communitites, contractors, freight handlers, farmers and developers to encourage use of renewable electricity and fuels. Voluntary exchange program for commercial all lawn and garden equipment with older engines. |
| 39 | | | | | |

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| | Land Use and Transportation | Agriculture: | | Agriculture: | Agriculture: |
| | | Continue to support local farmers markets, community gardens, school gardens, and other urban agricultural practices, including in areas with poor food access. Amend the Zoning Code to allow urban agriculture in appropriate areas. Amend the General Plan to add a policy that encourages community gardens in new residential developments. Encourage partnerships between local food growers and local food retailers, local food growers and local institutions such as schools, hospitals, colleges, and correctional facilities. Encourage retention of agricultural land to maintain the County's agricultural base and enable long-term carbon sequestration. | | converted into community gardens. Provide incentives for carbon sequestration and carbon based conservation farming techniques. Promote value-added alternatives, such as compsting, energy, biochar, and wood porducts, and prohibit open burning | processes). Reduce emissions of particulate matter, ammonia, and organic |
| 40 | | | | | |

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| | Land Use and Transportation | Idling: | | Idling: | |
| 41 | | Consider an amendment to the County Building Code that would prohibit unnecessary idling of off- road and heavy equipment. | | Restrict idling for all vehicles, especially in sensitive areas such as near schools. | |
| | Solid Waste | Diversion: | Diversion: | Diversion: | |
| | | • Achieve a local 75% waste | Divert organic waste from parks | · Require implementation of | |
| | | diversion rate, in support of the | and landscaping to on-site compost. | | |
| | | 2020 state target diversion rate of | · Paper recycling program. | recycling, organics collection, and | |
| | | 75% (AB 341): Establish new and | | edible food recovery programs. | |
| | | enhanced programs to collect | | · Require new construction to | |
| | | organic material from businesses | | include bin space for organics | |
| | | and residents in order to recover | | recycling. | |
| | | their material, energy, and nutrient | | | |
| | | values. Develop interim waste | | | |
| | | diversion/reduction goals for | | | |
| | | County. | | | |
| | | Develop a recycling and | | | |
| | | composting program for County | | | |
| 42 | | facilities. | | | |

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| | Solid Waste | | | Green Waste: | Green Waste: |
| | | | | Implement a green-waste and/or food waste collection program. Require generators of edible food to have contracts/ agreements with food rescue organizations and prohibit edible food from being disposed or destroyed. Require food waste reduction at commercial facilities such as restaurants, hotels, hospitals, etc., including food donations. | · Reduce total amount of green waste by diverting it to other uses. |
| 43 | | | | | |
| 44 | | Outreach and Education: Increase public outreach to promote participation in existing waste diversion and prevention programs. Educate and train County staff to recycle and compost appropriately. | | | |

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| | Solid Waste | Anaerobic Digestion: | | Anaerobic Digestion: | Anaerobic Digestion: |
| | | Work with private owners and operators of solid waste transfer stations and landfills, as well as with publicly owned wastewater treatment plants, to establish anaerobic digesters to treat and recover energy from food waste | | treatment plants to allow them to accept food waste. | Require best management practices from South Coast and San Joaquin Valley air districts. Reduce flares from landfills and anaerobic digesters. |
| 45 | | and other organic waste. | | | |
| 46 | | • Update the County's Source Reduction and Recycling Element, Household Hazardous Waste Element, and other relevant components of the Countywide Integrated Waste Management Plan to include an updated list of measures, actions, and programs supportive of this CAP. • Annually verify compliance with the California Air Resource Board's landfill methane control measures. | | | Reduce emissions of methane and non-methane organic compounds from landfills by increasing standards for landfill gas collection control equipment. |

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| Solid Waste | Zero Waste: | | Zero Waste: | Zero Waste: |
| 47 | Achieve zero-waste County operations by 2035. | | Adopt ordinances to meet zero waste goals by 2020. Adopt an ordinance for zero waste from construction and demolition waste. Require zero waste public events. | · Strengthen recycling programs and develop additional waste reduction strategies. |
| Solid Waste | Landfill Requirements: | | Landfill Requirements: | |
| 48 | Request that landfill operators consider implementing additional reduction actions, including but not limited to: Reducing landfilled materials with high methane-generation potential. Reducing idling time for diesel equipment; Encouraging adequate maintenance of rolling stock. Establishing standards beyond those required by regulation for landfill gas collection system leak detection and prevention. Excluding the use of green waste as a material for alternative daily cover, consistent with AB 1594. | | Prohibit disposal of organic materials at landfills and/or prohibit the jurisdictions' hauler(s) and self-haulers from taking organic material to landfills. Create an effective solid waste management plan to reduce source generation and to divert waste from landfills to achieve emission reductions. | |

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| | Solid Waste | Planning and Zoning: | | Planning and Zoning: | |
| 49 | | Amend the General Plan and Zoning Code to allow renewable energy generation, such as solar and wind, on closed landfill areas. Market renewable energy on closed landfill areas to potential stakeholders (energy providers and landfill owners). | | Require that collected organic materials be used in edible food recovery programs or as feedstock for composting and anaerobic digestion Include assessment of 15 years organics recycling capacity needs in the General Plan Provide appropriate zoning in compatible areas for large and community-scale composting and | |
| | Solid Waste | | | Construction Practices: | |
| 50 | | | | Adopt a construction and demolition waste recycling ordinance. | |
| | Solid Waste | | | Carbon Sequestration: | |
| 51 | | | | Ensure compost materials meet standards to be used in rural lands application for carbon sequestration. | |

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| 52 | Solid Waste | | | Landscapers: Require large commercial landscapers to use compost-based nutrients and soil amendments on landscaping and plants instead of artificial fertilizers and soil amendments. | |
| 53 | | Conservation: Continue to reduce potable water use by at least 20% by 2020 through conservation efforts in new and existing development. | | Conservation: Develop a plan requiring water recycling, and greywater and rain water reuse and provide funding for incentives and other program delivery mechanisms if feasible. Develop a residential water efficiency auditing program. Create an incentive program to promote efficient water use projects. Require residential and commercial buildings to use low flow water fixtures. | Conservation: • Promote water conservation. |

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| | Water | Landscaping: | | Landscaping: | |
| 54 | | Continue to enforce water conservation requirements in new developments per the State Model Water Efficient Landscape Ordinance. Where possible, remove turf from County-owned facilities. Continue to install water-efficient landscaping on County properties. | | Adopt water-efficient landscaping ordinances, including the use of compost and mulch, to reduce water use and encourage use of greywater for landscaping, when available. Eliminate Homeowner Association requirements for lawns and landscaping. | |
| 54 | Water | Rainwater Collection: | | | |
| 55 | | Promote rainwater collection for irrigation purposes. | | | |
| | Water | | | Publicly Owned Treatment Works: | Publicly Owned Treatment Works: |
| 56 | | | | Develop a plan to quantify and reduce GHG emissions at publicly operated treatment works (POTWs). | Explore regulatory action to reduce GHG emissions from publicly owned treatment works (POTWs). |
| | Water | Recycled Water: | | | |
| 57 | | Update the Dual Water Systems Ordinance to allow the use of recycled water for irrigation in residential and nonresidential areas. | | | |

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| 1 | | - | Contra Costa County Municipal Climate Action Plan (2008) | California Air Resources Board 2017 Draft Climate Change Scoping Plan Update | Bay Area Air Quality Management District Draft 2017 Clean Air Plan |
| 58 | Water | | | Work with local water agencies to evaluate the impact of proposed new developments and land use plans on groundwater and longterm water supply. | |



Contra Costa County Board of Supervisors

Subcommittee Report

AD HOC COMMITTEE ON SUSTAINABILITY

8.

Meeting Date: 05/22/2017

Subject: CONSIDER report of updates from Sustainability Coordinator, and take

ACTION as appropriate.

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

Department: Conservation & Development

Referral No.: N/A **Referral Name:** N/A

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

Coordinator

Referral History:

N/A

Referral Update:

This report provides an update to the Ad Hoc Sustainability Committee on the work of the County's Sustainability Coordinator since the Commission last met in February 2017. Key activities during this period included:

- Assisted the Board of Supervisors in taking the Idle Free Pledge on April 25, in conjunction with Earth Day. The Board was recognized on local media as the first local government in the Bay Area to take the Pledge.
- Facilitated administrative processes for the Board of Supervisors to appoint members and alternates to the Sustainability Commission. Assisted members and alternates in preparing for their first meeting which will occur on Monday, June 26, 2017, at which time the Commission will establish a standing meeting day/time.
- Convened April 19 quarterly meeting of the Sustainability Exchange, a venue for anyone in Contra Costa County who works for a city, county, special district, or other organization with a governing board of elected officials. The meeting included a presentation from Betsy Burkhart, Director of the County's Office of Communications and Media. The Sustainability Exchange continues to draw multidisciplinary staff from diverse local government organizations. The next meeting will be hosted by the City of Concord.
- Received notification that Contra Costa County's application to the Strategic Growth Council and Governor's Office of Planning and Research for a grant that will fund a Renewable Resource Potential Study has been accepted. This Study will (1) identify areas that are best sites for renewable resources, including solar, wind, biomass, and biogas, (2) identify modifications to current zoning ordinances that would facilitate deployment of

renewable resources, and (3) work with disadvantaged communities in unincorporated areas to determine how they can benefit from local renewable energy. Staff is developing grant acceptance documents to bring to the Board of Supervisors for approval. Staff also is developing a Request for Proposals for the first task and coordinating with the cities to determine their interest in potentially participating in that study.

- Coordinated with the Delta Stewardship Council and the Bay Conservation and Coordinated with the Delta Stewardship Council and the Bay Conservation and Development Commission (BCDC) on an opportunity to extend the Adapting to Rising Tides (ART) study to eastern Contra Costa County. The Department of Conservation and Development (DCD) and BCDC will be presenting the results of the initial ART study to the Board on May 23, 2017. DCD will at that meeting recommend that the Board of Supervisors invite BCDC to extend the project. The Delta Stewardship Council is offering a grant to BCDC and the County to cover the costs of this work.
- Presented the County's position on land use and school siting at a noontime seminar sponsored by SPUR on the recently approved State school facilities bond (Prop 51). Participated in the technical advisory group for the County's Green Infrastructure plan. Participated in planning meetings for the new County Administration building and Emergency Operations Center.
- Collaborated with County staff working on topics including land use and transportation, Northern Waterfront Economic Development Initiative, North Richmond Urban Greening, Planning Integration Team for Community Health (PITCH), codes, solid waste, energy. Participated in regional activities.

Recommendation(s)/Next Step(s):

RECEIVE update from the County's Sustainability Coordinator.

Fiscal Impact (if any):

There is no fiscal impact.

Attachments

No file(s) attached.