

<b>Water-DRAFT</b>		
<b>Objective: Reduce water use by 20%</b>	<b>Relationship to 2010 CAP</b>	<b>Comments</b>
<b>Measure: Encourage residential and commercial users to participate in EBMUD's free water audit program</b>		
Partner with EBMUD and StopWaste to provide water conservation outreach programs and encourage residential and commercial users to participate in free water efficiency audits	WW-2.1A, WW-2.3A	
Promote EBMUD and other rebates for water efficiency projects, including low-flow fixtures and drought-friendly landscaping		
Consider requiring a water efficiency audit at point of sale		
<b>Measure: Reduce residential water use through behavior changes and upgrades</b>		
Adopt a residential retrofit program to encourage or require the installation of water conservation measures		
Consider requiring upgrading plumbing fixtures to current code requirements upon sale of residential building:		
Implement a pool cover rebate program and/or require pool covers by ordinance		
<b>Measure: Promote landscaping that minimizes water use or makes efficient use of space</b>		
Encourage the replacement of high water use landscapes		
Enforce the California Water Efficient Landscaping Ordinance	WW-2.2A	
Consider requiring graywater or rainwater collection systems in new construction	WW-2.2A	
<b>Measure: Reduce use of natural gas heated water</b>		
Set a goal of reducing hot water use in Piedmont by 15%		
Provide educational material on how to install alternatives to traditional, natural gas water heaters		
Promote on-demand tankless water heaters, heat pump water heaters, and solar hot water heaters		
<b>Objective: Conserve and Collect water</b>		
<b>Measure: Promote infrastructure improvements</b>		
Work with homeowners and EBMUD to repair and maintain existing water lines to prevent leaks		
Consider requiring renovated or new residential and commercial landscapes to capture all stormwater runoff on-site		
Provide code or financial incentives to encourage residents to use permeable paving materials		
Consider a mandatory connection for reclaimed water		
<b>Measure: Encourage use of graywater and rainwater collection in existing residential and commercial uses</b>		
Create an outreach program that encourages business and residents to construct graywater and rainwater collection systems on their properties.	WW-2.2A, WW-2.2B	
Provide City staff training regarding State code requirement for graywater systems in order to help interested parties develop systems.	WW-2.2C	

Note: Actions WW-2.4A and WW-2.4B will be addressed under the Municipal Sector measures

<b>Adaptation-DRAFT</b>	
<b>Objective: Reduce damage from storms and flooding</b>	<b>Comments</b>
<b>Minimize flood risks for existing development</b>	
Develop a "maintain-a-drain" campaign to encourage individuals to keep storm drains in their neighborhood free of debris	
Work with the building industry to establish protocols and standards for reducing damages by designing or retrofitting structures to accommodate periodic flooding	
Require 100% on site stormwater management for new development	
<b>Encourage green infrastructure for natural management of stormwater and storm induced flooding, and preserving and restoring natural features to the watershed for both new and existing development, rather than using engineered structures</b>	
Conduct a watershed analysis to determine areas on insufficient capacity in storm drain and natural creek systems and predict impacts of abnormally high rainfall and sea level rise as well as to determine suitable locations for green infrastructure	
Ensure that projects to reduce flooding are compatible with and advance local conservation policies, including restoration and protection of riparian habitat. Protect wildlife through planting and restoration of native habitat.	
Maximize use of compost berms, socks and blankets for erosion and sediment control to prevent erosion and contamination of watersheds from heavy rains	
Incorporate compost requirements into city standards for contractors and department policies (public works, parks, fire departments, etc.)	
Protect bare soil with local recycled compost and mulch	
Plant Trees to intercept rain and build rain gardens, green roofs, and other vegetative stormwater treatment features. Grade surfaces and direct downspouts so that stormwater flows toward vegetated areas	
Encourage the use of pervious pavement in new and existing development including rain gardens, bioswales, porous pavement and disconnected downspouts to reduce runoff	
<b>Protect and restore soil health</b>	

Enhance the drought-and flood resistance of soils in publicly managed lands, including open spaces, and city owned facilities with compost and mulch	
<b>Objective: Reduce risks of extreme heat</b>	
<b>Decrease urban heat islands through increased tree and vegetation planting and maintenance</b>	
Assess the existing vegetative cover and plant health throughout the city	
Identify priority areas to expand urban tree and vegetation planting	
Establish a minimum rootable soil volume for trees to support a healthy urban forest. Retrofit tree wells accordingly. Use compost and maintain layer of mulch to create healthy soils for trees and other vegetation	
Plant vegetation and shade trees with substantial canopies and require, where feasible, site design that uses trees and vegetation to shade parking lots, streets, and other facilities	
Encourage the preservation of mature trees and vegetation. When preservation is not feasible require replacement trees and vegetation and ongoing maintenance measures to avoid net loss of plant coverage	
Provide services, education, and incentives to encourage the planting and preservation of trees and vegetation on private property	
Implement invasive species control	
Protect and connect habitats	
Monitor and maintain biodiversity	
<b>Objective: Reduce risks of damage from extreme events</b>	
<b>Integrate energy assurance actions into citywide planning processes to decrease vulnerability to grid outages during extreme events</b>	
Conduct an assessment to identify the key facilities that support emergency operations, estimate those facilities' energy supply and demand during emergencies to assess vulnerabilities to power loss, and identify potential actions to mitigate those vulnerabilities and supply alternative power sources	

Develop an action plan or integrate considerations into an existing plan to install a reliable energy resource in the form of renewable energy generation, battery storage systems, smart inverters, energy visualization and control systems, and energy	
Diversify fuel sources	
<b>Measure: Reduce urban wildland fire risk</b>	
Manage the risk of urban wildland fires by assessing high priority wildfire risk areas, increase vegetated corridors and buffer zones	

<b>Municipal-DRAFT</b>	
Source of emissions: City Operations	
Pathway to Success: A combination of building energy efficiency, renewable energy, reduced waste, and low-emissions transportation	
Goal: Reduce City emissions 40% below baseline by 2030	
<b>Objective: Reduce emissions from City buildings and energy supply</b>	<b>Comments</b>
<b>Measure: Reduce City building and infrastructure emissions</b>	
When retrofitting City buildings, include opportunities for energy efficiency retrofits or green building certification	
Construct new City buildings to ZNE standards and consider green building certification	
Install energy efficient lighting and appliances in City buildings	
<b>Measure: Monitor building performance</b>	
Consider installing electronic building performance displays in all publicly accessible buildings	
Conduct energy audits of all buildings every 10 years	
<b>Measure: Install cost-effective renewable energy systems on all city buildings and purchase remaining energy from renewable sources</b>	
Evaluate the potential for and install cost-effective renewable energy systems on City Properties	
Opt for higher renewable energy options for grid-delivered electricity	
When constructing new buildings or replacing and structurally upgrading roofs, build solar ready or include the installation of solar in the bid process	
<b>Measure: Reduce emissions from high global warming potential gases</b>	
Eliminate the use of gasoline and diesel leaf blowers and maintenance equipment	
Replace high GWP refrigerant air conditioners and dispose of them properly	
Continue to maintain Piedmont's urban tree canopy and plant new trees where possible to sequester carbon emissions and improve air quality	
<b>Objective: Reduce City waste</b>	
<b>Measure: Reduce waste</b>	
Implement zero-waste City Events, including compostable dinnerware, water refilling stations, and banning plastic water bottles	
Go paper-less for City Council, Commissions, and community meetings	
Enforce and expand the City's environmental purchasing policy	
Conduct a waste audit for City facilities	
Consider meat-free options for City events	
Educate City employees on recycling and composting	
Install hand dryers in City bathrooms	
<b>Objective: Reduce Employee Transportation emissions</b>	
<b>Measure: Reduce employee transportation emissions</b>	

