

**Mitigation Measures and Adaptation Strategies for the CAT Implementation Plan**

Agriculture Working Group					Priority			Type
Scoping Plan Measure Number(s)	CAS Section & Strategy Number	Strategy/Measure or Other Task/Action	Responsible Agency	Brief Description:	1. Currently being implemented	2. Will begin before 2011	3. Long-term - give estimate of implementation start date	Adaptation (A) Mitigation (M) or Both (B)
A-1		Facilitate expansion of dairy digesters	CDFA	(1) CDFA has entered into memoranda of understanding with several Central Valley dairy farmers, a power provider and a dairy digester manufacturer to facilitate the development of several dairy digesters. CDFA will assist in project coordination. (2) CDFA is participating and assisting in funding the programmatic environmental impact report (PEIR) for manure digester and co-digester facilities on individual dairies, on groups of dairies linked by gas collections systems, and at centralized locations within the Central Valley region. CVRWQCB is the lead.	X	X		M
		Contribute to agricultural GHG emissions research	CDFA	(1) CDFA has entered into a three year contract with CSU Fresno to study baseline N2O emissions from acorn, cotton, and vegetable crops. The research is being coordinated with similar research on other common California crops. (2) In another study funded by specialty crop block grant, CDFA will administer contract to study the affect of BMP implementation of reducing GHG emissions and nitrogen leaching from vineyards.	X	X		M
		Facilitate adoption of clean, renewable, farm-based energy sources	CDFA	CDFA has been collaborating with Western United Resource Development (WURD) to study various commercialization options to upgrade dairy biomethane for use in vehicles	X	Unknown		M

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Air Resources Board					Priority			Type
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		Cap-and-Trade	ARB	The Cap-and-Trade Regulation will provide economy-wide emission reductions of about 34.4 MMTCO <sub>2</sub> e in 2020.			2012	M
	T-1	Passenger Vehicle Programs <ul style="list-style-type: none"> <li>• Pavley I &amp; II</li> <li>• LEV</li> <li>• ZEV</li> </ul>	ARB	Together, Pavley I and Pavley II/LEV III will reduce emissions by 31.8 MMTCO <sub>2</sub> e in 2020. Pavley I began with the 2009 model year and will be phased-in through the 2016 model year. Beginning with the 2017 model year, the Pavley II/LEV III standards will further strengthen vehicle tailpipe emission standards. ARB is also working to integrate GHG and criteria pollutant considerations into its vehicle and other programs. Since 1990, LEV standards have been reducing both criteria pollutant and GHG emissions. Together with ZEV standards, these programs reduce emissions directly and indirectly in conjunction with both the Low Carbon Fuel Standard and our Pavley GHG standards. By both mitigating GHG emissions and reducing criteria pollutants this work will also help us adapt to future air quality problems that are expected to result from longer and more extreme heat events that exacerbate the formation of ozone and unhealthy air.	1990 (LEV/ZEV) 2004 (Pavley I)		2017 (Pavley II)	B
	E-3	Renewable Portfolio Standard (RPS) and Renewable Electricity Standard (RES)	ARB, PUC, CEC	Together, the RPS and RES will reduce emissions by 21.3 MMTCO <sub>2</sub> e in 2020 as well as provide for adaptation in that they will both diversify and increase the potential supply of electricity to better meet additional demand from more air conditioner use and cooling centers because of longer and hotter heat waves.	2002 (RPS)	July 31, 2010 (RES)		B
	E-1	Electricity Efficiency and Natural Gas Efficiency	ARB, PUC, CEC	Together, Electricity Efficiency and Natural Gas Efficiency will reduce emissions by 19.5 MMTCO <sub>2</sub> e in 2020 as well as provide for adaptation in that they both will reduce existing energy demands to better meet increased demands given a more variable and more extreme California climate.	1970's (Lighting)	New programs for homes and commercial buildings	New programs for homes and commercial buildings	B
	T-2	Low Carbon Fuel Standard	ARB	The Low Carbon Fuel Standard requires a reduction of at least 10 percent in the carbon intensity of California's transportation fuels by 2020 and will reduce emissions by 16 MMTCO <sub>2</sub> e in 2020.	2009			M
	T-3	Regional Transportation Related Targets (SB 375)	ARB together with Local Governments and Regional Planning Agencies	SB 375 requires ARB to set regional 2020 and 2035 targets for passenger vehicle GHG emissions. If regions develop plans that meet SB 375 targets, new projects can be relieved of certain CEQA review requirements. ARB appointed a Regional Targets Advisory Committee on January 23, 2009 and the Committee provided recommendations on factors to be considered and methodologies to be used in setting targets in September 2009. ARB must propose draft targets by June 30, 2010, and adopt final targets by September 30, 2010.			2020 and 2035	M

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Biodiversity Working Group					Priority			Type
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	Bio 1	Establish a System of Sustainable Habitat Reserves	DFG	The intent of this strategy is to identify and preserve a statewide landscape reserve system to protect the maximum number of representative plant and animal species in California. Near-term actions include organizing collaborating entities, making best use of the CA Wildlife Action Plan, and setting priorities for DFG's Areas of Conservation Emphasis (ACE).	X			A
	Bio 2	Management of Watersheds, Habitat, and Vulnerable Species	All	This strategy entails actions that promote ecosystem resilience and enable ecosystem response, or realigns restoration and management activities to reflect changing conditions. Near-term actions include integrating climate change into field management practices, using and improving existing conservation efforts, continuing field restoration and land stewardship practices, and work to restore aquatic habitat.	X			A
	Bio 5	Education and Outreach	All	Education and outreach is essential to foster greater understanding of the effect of climate change on biodiversity and build support for adaptation and mitigation strategies. Near-term actions include public outreach efforts and environmental education in the states classrooms.	X			A
	Water 5	Enhance and Sustain Ecosystems	DWR DFG	Statewide, adaptation strategies aim to fundamentally improve water and flood management systems and, at the same time, enhance and sustain ecosystems. Near-term actions include working with dam operators, federal agencies, and other stakeholders to introduce or reintroduce anadromous fish to upper watersheds, provide the habitat range for tidal wetlands to adapt to sea-level rise at the SF Bay/Delta boundary, and act to protect, enhance and restore upper watershed forests and meadow systems that act as natural water and snow storage.	X			A

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Coastal and Ocean Climate Adaption Team (CO-CAT)					Priority			Type
Scoping Plan Measure Number(s)	CAS Section & Strategy Number	Strategy/Measure or Other Task/Action	Responsible Agency	Brief Description:	1. Currently being implemented	2. Will begin before 2011	3. Long-term - give estimate of implementation start date	Adaptation (A) Mitigation (M) or Both (B)
	Oceans #6	Support essential data collection and information sharing		The state, in cooperation with federal partners, should fund the collection of high-resolution mapping, tidal datum collection and ecosystem research	X			A
	Oceans #5	The state should complete a statewide sea-level rise vulnerability assessment every five years.		The state should complete a statewide sea-level rise vulnerability assessment every five years.	X			A
	Oceans #1	Establish State policy to avoid future hazards and protect critical habitat.		The state should establish a state policy that among other things identifies priority conservation areas and recommends lands that should be considered for acquisition and preservation. State agencies should consider project alternatives that avoid significant new development in areas that cannot be adequately protected and where new development is necessary, structures should be designed to withstand potential flood or erosion events.		X		A

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Climate Change - Land Use and Infrastructure Working Group					Priority			Type
Scoping Plan Measure Number(s)	CAS Section & Strategy Number	Strategy/Measure or Other Task/Action	Responsible Agency	Brief Description:	1. Currently being implemented	2. Will begin before 2011	3. Long-term - give estimate of implementation start date	Adaptation (A) Mitigation (M) or Both (B)
	Key 8	Develop and Disseminate Information and Guidance		Develop and disseminate information and guidance for local agencies to use to assess land use, housing and transportation proposals that could impact public health, GHG emissions and community resilience for climate change.	X			B
		CEQA Guidelines and Land Use Regulatory Tools		Use existing laws and regulations, and revise as needed, to require evaluation of climate change impacts in land use decisions.	X			B
		Williamson Act / Other Land Conservation Incentive Programs and Tools		To the extent possible, use existing programs to influence land use decisions to help mitigate and/or adapt to climate change impacts .	X			B
		SB375: Regional Transportation-Related Greenhouse Gas Targets		ARB to set passenger vehicle GHG emission reduction targets by September 2010. Staff is currently evaluating numerous approaches to develop this target, this exercise is occurring in conjunction with MPO data gathering and scenario development efforts. Draft regional targets are scheduled to be released in June.	X			M

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Energy Working Group					Priority			Type
Scoping Plan Measure Number(s)	CAS Section & Strategy Number	Strategy/Measure or Other Task/Action	Responsible Agency	Brief Description:	1. Currently being implemented	2. Will begin before 2011	3. Long-term - give estimate of implementation start date	Adaptation (A) Mitigation (M) or Both (B)
E-1 E-2	Infrastructure #1	Energy Efficiency	CEC and CPUC	Meet the Energy Efficiency Goals Outlined in AB32 Scoping Plan – The Air Resources Board’s (ARB) Scoping Plan has identified 26.3 MMTCO <sub>2</sub> e that will be reduced by 2020 through increased use of building and appliance efficiency standards, efforts to develop zero net energy buildings, increasing performance of HVAC equipment, and increased combined heat and power generation. In addition to its role as a mitigation measure to reduce GHGs, energy efficiency has also been identified as an adaptation strategy in that it will help ease projected energy demand increases and possible supply disruptions from climate change.	X			B
E-3 E-4	Infrastructure #2	Renewable Resource Development	CEC and CPUC	The electricity sector is undertaking a number of programs to encourage the development of new renewables, and the agencies should continue to assess long-term benefits of renewable energy generation in reducing GHG emissions that also provide environmental co-benefits. The state shall encourage additional development of the most suitable and efficient renewable technologies in the least sensitive environmental areas to maintain natural habitats and healthy forests through efforts such as is the Desert Renewable Energy Conservation Plan. Additionally, the state should encourage de-centralized generation and on-site renewable energy generation systems where appropriate to reduce GHG emissions and help meet the expected increase in electrical demand due to climate change. Specific programs currently underway include: (a) the 20% RPS program, which currently projects that Investor Owned Utilities will meet 20% of their retail sales load by 2012-2013; (b) the 33% Renewable Energy Standard being developed by ARB by Executive Order S-21-09 in September 2009 (the new program requires that an additional 13% of the retail load be served through eligible renewable resources by 2020); (c) the Million Solar Roofs program, which has a goal of installing 3,000 MW of rooftop solar via provision of a subsidy based on performance to help buy-down the cost of rooftop solar PV on residential and commercial buildings; (d) in reponse to AB 1470, the CPUC is increasing the use of solar hot water heating in consideration of the results of the San Diego pilot program; (f) the Self Generation Incentive Program, which currently includes only Fuel Cells and Wind Turbines, but SB 412 provides the CPUC with the authority to include new technologies that are GHG beneficial; (g) new feed-in tariffs for the purchase of up to 480 MW of renewable generating capacity from small facilities throughout California in response to AB1969. All efforts to create renewable power are considered both adaptation and mitigation.	X			B

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		Assess environmental impacts from climate change in siting and re-licensing of new energy facilities.	CEC	The Energy Commission will assess GHG impacts for power plant siting cases through its Integrated Energy Policy Report, and consider the potential impact of sea-level rise, temperature increases, precipitation changes and extreme events, where relevant. The Energy Commission’s PIER regional climate modeling and related study efforts will be used to assess the potential impacts of climate change on energy infrastructure from sea-level rise, precipitation, and temperature changes and other impacts. The Energy Commission will determine additional actions on its siting and planning programs based on this work. The Energy Commission will develop an energy-use “hot-spot” map to identify areas in the state where increases in temperature, population, and energy-use will make communities most vulnerable to climate change impacts. The Energy Commission will include in this analysis how the lowest-income communities in hot spot areas will be impacted. Also, assess impacts of climate change on tribal lands and ability of tribes to adapt to changing conditions.	X	X		A
		Electricity Sector Carbon Policy	CPUC, for IOUS. CEC for POUs	The Emissions Performance Standard creates rules that baseload generation to serve California consumers will be from power plants that have emissions no greater than a combined cycle gas turbine plant.	X			M
		Alternative Fuel Vehicles (Natural Gas and Electric Vehicles)	CPUC	The CPUC launched an Alternative Fuel Vehicle Rulemaking in August 2009. This rulemaking focuses on rates and infrastructure for Electric and Natural Gas vehicles.	No	No	2011	M
	Infrastructure #3 and #4	Hydropower Decision Support Tool and Climate Research Outreach	CEC (lead), DWR	a. Expand Scientific Climate Research – The Energy Commission and the DWR will continue to support and develop enhancements and demonstration of modern decision support systems for the management of existing major water reservoirs in California to adapt to current levels of climate variability and increase our resilience to increased levels of climate variability and change in the future. b. Public Interest Energy Research – The Energy Commission’s PIER program will sponsor research on climate change factors influencing hydropower generation – for example, how hydropower generation would be affected by requirements to release additional water to attenuate increased water temperatures in rivers and streams for environmental purposes. c. Develop Partnerships –Partner with hydropower generators particularly vulnerable to climate change to identify how public-private partnerships could reduce long-term risks to hydropower generation. d. The Energy Commission’s PIER program will research how climate change impacts could influence the goals of AB32, AB118, and EO S-13-08. For example, climate change will influence wind speeds and patterns, temperature density, etc. that will affect power levels from wind turbines, photovoltaics, etc. In addition, biomass feedstocks could be reduced due to decreased water levels and increased wildfire. It is unclear how this will impact long-term projections for meeting our 2020 and 2050 renewable energy goals. Also, the Energy Commission will develop a website that will synthesize existing California climate change scenarios and climate impact research to encourage its use in a beneficial way for local decision makers.	X	X		B

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		Bioenergy Action Plan	CEC, BIWG	Executive Order S-06-06 established targets for the state to produce 20 percent of its biofuels within California by 2010, 40 percent by 2020 and 75 percent by 2050. Regarding the use of biomass and biogas for electricity, the executive order sets a target for bioenergy to provide 20 percent of the state goals for renewable generation for 2010 and 2020. The first Bioenergy Action Plan was published in 2006. The 2009 IEPR recommended updating the Bioenergy Action Plan to address continuing barriers to the development and deployment of bioenergy. As lead agency in the Bioenergy Interagency Working Group, the Energy Commission is developing an updated Bioenergy Action Plan to increase the sustainable use of biomass resources. The 2010 Bioenergy Action Plan will be based on public documents, including research and policy developments in biopower and biofuels, and input from stakeholders and working group agencies.	X	X		B

Note: The following agencies are members of the Bioenergy Interagency Working Group (BIWG): Air Resources Board, California Energy Commission, California Environmental Protection Agency, California Resources Agency, California Department of Food and Agriculture, Cal Fire, Department of General Services, Cal Recycle, California Public Utilities Commission, Water Resources Control Board.

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Forestry—Interagency Forestry Working Group (IFWG)					Priority			Type
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	Forest 1.c, 2.a	Forest and Range Resource Assessment (FRAP)	CAL FIRE	CAL FIRE is required by both state and federal statute to periodically assess the condition and availability of the state's forest and rangeland natural resources. The update will expand upon the previous climate change chapter to inform the Board of Forestry and Fire Protection's (BOF) climate policy, strategic plan and climate change actions. The draft plan will be developed, reviewed by the public, and finalized in 2010.	X			B
F-1	Forest 1.b	IFWG Task 1: Forest Inventory	ARB CAL FIRE	Develop and fund activities to improve the technical foundation of the State greenhouse gas inventory for the forest sector. The key deliverable is a technical proposal for developing and periodically updating estimates of carbon emissions and sequestration associated with California's forests, urban forests, and rangelands using accepted methods and available input data to support the State's overall greenhouse gas inventory objectives.	X			M
F-1	Forest 1.b	IFWG Task 2: Review of Regulations	Board of Forestry	Determine the effect of the State's existing forest and rangeland regulations (i.e., Sustained Yield Plans, Non Timber Management Plans, wildlife, water quality, erosion protection, etc.) and related forestry assistance programs (eg CA Forest Improvement Act, forestland conservation, Vegetation Management Program, etc) on meeting the state's GHG goals; and whether simple adjustments are needed, or whether more significant action is needed. Consider risks to carbon, opportunities to reduce those risks, and barriers to long term GHG reduction.	X		X	B

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F-1	Forest 1.b	IFWG Task 3: Sustainable Biomass Energy	CEC CAL FIRE	Identify or develop scientific, empirically-based sustainability provisions or guidelines for energy projects using forest woody biomass and forest sector greenhouse gas emissions reduction projects that can be used consistently by all state and federal agencies. The goal is to better coordinate multiple state and federal programs developed to 1) meet greenhouse gas reduction goals for the forest sector and 2) produce sustainable, low-carbon transportation fuels and electricity from forest biomass feedstocks.	X			B
	Forest 3.c	Reduce Fire Risk, Hazards and Emissions	CAL FIRE	CAL FIRE will work with state agencies such as Fish and Game, Parks and Recreation, Sierra Nevada Conservancy, Tahoe Conservancy and Dept. of Water Resources, with landowners and local government, and with federal agencies, including USFS and others, to identify high value and high risk natural resource areas (e.g., habitats and corridors, watersheds, parks, timberlands) and to increase fuels management and restore fire resistant forest conditions where appropriate through mechanical and prescribed fire fuel treatments.			X	A
	Forest 3.a.iii	Support Urban Forestry	CAL FIRE	Funded through Propositions 40 and 84, CAL FIRE's Urban Forestry Program will continue to assist local entities with tree planting and urban forest management. This will help protect and expand urban forests that serve to buffer the impacts of local wildland forests, and provide sequestration, watershed, water quality and habitat co-benefits	X			B

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Public Health Working Group					Priority			Type
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	Public Health #1	Evaluation of Mitigation and Adaptation Strategies with Public Health Co-Benefits	DPH ARB OEHHA	a) Conduct health impact assessment (HIA) of Cap and Trade Program. Consider how Cap and Trade could be designed so as to maximize public health benefits and minimize any negative health impacts.	X			M
			DPH	b) Conduct HIA of an AB 32 mitigation measure (in addition to Cap and Trade HIA). Examine potential public health benefits or potential adverse consequences of the proposed mitigation measure.			X <sup>a</sup>	M
			DPH	c) Conduct HIA of a greenhouse gas adaptation strategy, examining potential public health benefits or potential adverse consequences of the proposed strategy.			X	A
	Public Health #2	Outreach, Training and Technical Assistance	DPH	Provide training and technical assistance to build the capacity of local organizations to promote mitigation strategies with health co-benefits.		X		M
	Public Health #3	Improve Public Health Preparedness and Emergency Response	DPH	Preparedness response: CDPH and local health departments should refine existing emergency preparedness plans and should develop plans for anticipated impacts. Improve preparedness for heat-related events by developing a model heat preparedness plan for local health departments. <sup>b</sup>		X		A

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	Public Health #4	Surveillance and Data Collection	DPH	a) Monitor outcomes at state and local level: Monitor deaths and illnesses associated with heat-related events. Maintain operation of the California Environmental Health Tracking Program, and begin to incorporate the climate health indicators recommended by the Council of State and Territorial Epidemiologists.	X			B
			DPH	b) Heat warning systems: Work with the CDPH Emergency Preparedness Office (EPO), CalEMA, and local health and emergency response agencies to develop heat warning systems for regions of the State that have not yet adopted them. These systems should be coupled with existing heat emergency response plans.			X	A
			DPH	c) Develop and implement surveillance systems to evaluate the public health impacts of AB 32 mitigation measures, including any disparate impacts on vulnerable communities.			X	M
	Public Health #5	Promote Community Resilience to Reduce Vulnerability to Climate Change	DPH BTH NRA EPA OPR HHSA	a) Develop climate change communication tools that promote active community engagement and strong social support networks to reduce vulnerability to extreme heat events.b		X		B
			DPH	b) Develop guidelines for health impact assessment.	X			B

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	Public Health #7	Research and Program Evaluation	<b>DPH</b> <b>CEC</b> <b>NRA</b>	a) Vulnerability assessments: Conduct detailed vulnerability assessments for all the leading climate change health outcomes utilizing scaled-down emergency and environmental shift scenarios, including assessments of impacts on vulnerable populations and cumulative impacts, and risk and resilience factors.	X*			A
			<b>DPH</b>	b) Work with the California Energy Commission PIER program on public health research agenda. Develop a closer working relationship with universities and NGOs involved with climate change analysis and impacts. Provide greater input to Federal agencies conducting climate change research to increase funding and focus on public health impacts.			X	B

Where multiple agencies are listed, lead agency is shown in **bold**.

\* CEC currently funding vulnerability assessment in Bay Area.

<sup>a</sup> Implementation prior to 2011 contingent on resource availability.

<sup>b</sup> Focus on heat-related events subject to change pending further discussions with workgroup members and local health departments.

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Research Working Group					Priority			Type
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		Research Catalog	All, with CEC lead	State agencies are creating a catalog of in-house and sponsored climate research, to aid researchers, State staff, and the public in accessing research results and coordinating future work.	X			B
	Comprehensive Strategy 4b	Vulnerability Assessment	CEC	Develop a California Climate Vulnerability Assessment (CCVA) to ensure the best available science informs climate adaptation decision making. State agencies will work through the CNRA to develop the state's first CCVA focused on sharing information, providing opportunities for public discussion on climate risk research and policies, and developing cross-sector strategies. The development of a CCVA will include public outreach to prioritize risk reduction strategies and will be completed by January 1, 2011 (depending on contracting and funding this study by January 1, 2010). The final CCVA will allow policy-makers the ability to develop a more systematic approach to funding risk reduction efforts. Every effort will be paid to identify and assist those communities expected to be most at risk from future climate change.	X			A
		Research Coordination	All	Agencies will discuss a process to share research plans and seek opportunities for collaboration.	X			B

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State Operations Working Group					Priority			Type
Scoping Plan Measure Number(s)	CAS Section & Strategy Number	Strategy/Measure or Other Task/Action	Responsible Agency	Brief Description:	1. Currently being implemented	2. Will begin before 2011	3. Long-term - give estimate of implementation start date	Adaptation (A) Mitigation (M) or Both (B)
		Statewide Inventory	Cal/EPA	Move toward state-wide, consolidated GHG inventory over the long-term. This will be facilitated in the near-term by pursuing a state-wide contract to provide guidance specific to State of California agencies for preparing GHG inventories in a consistent and uniform manner.		X		M
		Reducing GHG impacts of State Buildings: Building envelope	DGS	Broad range of strategies will be implemented to increase efficiency of new construction, renovations, single occupant leases, and existing owned/leased buildings.	X			B
		State Water Project Energy Efficiency	DWR	Reducing indirect GHG emission through increased efficiency of State Water Project pumps and motors.	X			M
		State Water Project Fossil Fuel Replacement	DWR	Reduce carbon intensity of purchased electricity.			2013	M
		State Fleet Improvement	DGS, CEC	Pursue wide-ranging policies to improve efficiency and efficient use of the vehicles making up the State's fleet.	X			M

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Water Energy Climate Action Team (WET-CAT) Working Group					Priority			Type
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W-1	Water 3	20 x 2020 Program: 20 percent reduction in per capita water use by 2020 for the urban water use and measures for implementing agricultural water use efficiency.	DWR SWRCB Local Agencies	Implement strategies to achieve a statewide 20 percent reduction in per capita water use by 2020. The State Water Resources Control Board (SWRCB) and the California Public Utilities Commission may impose water conservation measures in permitting and other proceedings to ensure water conservation efforts.	X			B
W-2	Water 3	Increase Water Use Efficiency Through Use of Recycled Water	DWR SWRCB Local Agencies	Under the proposed measure, recycled water use would increase. This would be accomplished through six tasks, which are measuring recycled water use, recycled water use planning, recycled water facility funding, agency coordination, regulatory reform, and research.	X			B
W-4	Water 3	Aggressively Increase Water Use Efficiency Through Low-Impact Development Techniques	DWR SWRCB Local Agencies	The focus of this measure is to encourage the use of low impact development (LID) techniques to either infiltrate storm water flows or capture, store and use storm water onsite. Infiltration and/or onsite use of stored storm water is expected to offset the need to import water from remote locations, thus creating energy savings and reductions in green house gases.	X			B
	Water 8	Preserve, Upgrade and Increase Monitoring, Data Analysis and Management- Climate and Water Use Monitoring	DWR SWRCB PUC	With the passage of water bills in 2009, develop water use and water diversion measurement reporting systems including systems for conservation, water recycling, stormwater and water rights diversion. Expand high elevation and wilderness area monitoring of critical variables such as temperature, precipitation, evapotranspiration, wind, snow level, vegetative cover, soil moisture and stream flow to observe and track changes in the rain and snow transition zone.	X			A

Other strategies have been identified for the water sector addressing both adaptation and mitigation that are currently underway as well. Several member agencies are evaluating critical infrastructure needs related to flood management, water storage and water delivery and developing plans to address these needs. The water sector has identified important strategies to enhance and sustain ecosystems such as using water management systems to protect and re-establish habitat and migration movement corridors. Efforts are also underway to identify a sustainable source of funding for measures and strategies that rely on incentives are a high priority, although these efforts are on a more extended timeline for development. The WET-CAT expects three of these significant water related related strategies to be implemented through other sector-specific workgroups. Ecosystem strategies will be assumed by the Biodiversity CAT, sea level rise by the Coastal Ocean CAT, and research by the Research CAT.