



Handout #1 City of Watsonville

Summary of Current and Potential New Actions to Reduce GHG Emissions

These actions would be incorporated into the Climate Action Plan, and will be quantified to the extent possible as directly contributing towards the GHG reduction target.

Water and Wastewater

COMMUNITY-WIDE Water and Wastewater

Action (Project or Program that leads to quantifiable GHG reductions)	Program or Project Status	Document ¹ Number	Emissions Category	Sub-Category
Utility Rebates for toilet replacement and washing machine replacement	Completed	30, 36	Water and Wastewater	Water conservation - Indoor
City-operated water conservation and outreach programs. ²	Ongoing	30	Water and Wastewater	Water conservation - Indoor
Outdoor water landscaping ordinance	Completed	30	Water and Wastewater	Water conservation - Outdoor

Ideas for new policies or programs:

- Expand rebate programs to include other fixtures such as showerheads and faucet aerators
- A voluntary or mandatory program for residential water landscaping, such as Bay Friendly Guidelines, or requiring smart water sensors for all landscaping irrigation projects
- A voluntary or mandatory program to encourage dual plumbing in all new construction to enable future installation of recycled water/greywater systems
- Mandatory outdoor irrigation requirements, such as:
 - o Controlling the number of watering days (two assigned days per week)
 - o Regulating the time of day customers were allowed to water (before 10:00 a.m. or after 5:00 p.m.)
 - o Imposing irrigation time limits (up to 15 minutes per station for spray heads)

¹ See Appendix B for list of resources reviewed for this document.

² Includes the Water Survey Programs for Single Family Residential and Multi Family Residential Customers, Free Residential Retrofit Program, System Water Audits, Leak Detection, and Repair, Metering with Commodity Rates all new connections and retrofit of existing connections, water smart gardening program, the Landscape Water Conservation program service tool.



MUNICIPAL Water and Wastewater

Action (Project or Program that leads to quantifiable GHG reductions)	Program or Project Status	Document Number	Emissions Category	Sub-Category
Water Recycling at the WWTP and increased recycled water storage	Completed	30, 31, 33	Water and Wastewater	Water supply
Pajaro Valley Water Management Agency Basin Projects, including the Coastal Distribution System pipelines, Harkins Slough Recharge Project, 54-inch water import pipeline, conservation, increased recycled water storage, and Watsonville Slough Project.	Ongoing	31	Water and Wastewater	Water conservation
WWTP Cogeneration - Increased gas production by 30%, producing an additional 176,000 Kilowatt-hours (kwh) of electricity per month from the cogeneration plant. (LEED Gold Facility)	Completed	32	Water and Wastewater	Renewable energy
Irrigation control system on municipal property	Ongoing	30	Water and Wastewater	Water conservation

Ideas for new policies or programs:

- Water efficiency for indoors in municipal buildings
- Drought resistant landscaping requirements for municipal landscaping
- Increase or establish use of rainwater catchment and reclaimed/grey water, where appropriate

Transportation

COMMUNITY-WIDE Transportation

Action (Project or Program that leads to quantifiable GHG reductions)	Program or Project Status	Document Number	Emissions Category	Sub-Category
Implement "safe routes to schools program"	Ongoing	23	Transportation	Bike/ped
Provide bicycle and pedestrian amenities	Ongoing	23, 26	Transportation	Bike/ped



Action (Project or Program that leads to quantifiable GHG reductions)	Program or Project Status	Document Number	Emissions Category	Sub-Category
Electric bicycle subsidy program		26	Transportation	Bike/ped
Support car-sharing	Proposed	23	Transportation	Car-sharing
Establish density bonuses for residential projects on transit corridors	Proposed	9	Transportation	Density
Establish graduated density bonus for infill projects	Proposed	23	Transportation	Density
Inter-city passenger rail between Santa Cruz, Watsonville, to San Jose	Ongoing	26	Transportation	Improve transit
Establish distribution points for alternative fuels within Watsonville for general use by the public.	Proposed	9	Transportation	Low carbon fuels
Promote electric vehicle infrastructure	Proposed	28	Transportation	Low carbon fuels
Reduce minimum parking requirements in areas with good alternatives and clustered parking	Proposed	23	Transportation	Parking management
Encourage parking "cash out" and "commuter check" programs	Proposed	23	Transportation	Parking management
Encourage alternative work schedules and telecommuting (for city staff) and for the community (this may be out of the purview of Watsonville).	Proposed	23	Transportation	Reduce VMT
Support Santa Cruz County's Commute Solutions for ridesharing through a regional traveler information system to increase vehicle occupancy.	Ongoing	26	Transportation	Ridesharing
Neighborhood Traffic Calming projects	Completed	11	Transportation	Speed control
Street light synchronization	Completed	9, 11	Transportation	Speed control
Use Intelligent Transportation Systems (ITS) to re-route congested traffic, meter on-ramps and inform transit riders about when the next bus or train is coming.		23	Transportation	Speed control



Action (Project or Program that leads to quantifiable GHG reductions)	Program or Project Status	Document Number	Emissions Category	Sub-Category
Provide incentives to employers, hospitals and high trip generators for reduced parking requirements, reduced development fees and development intensity bonuses to encourage walking.	Proposed	9, 28	Transportation	TDM

Ideas for new policies or programs:

- Increase public outreach for alternative transportation and sponsor events such as “Bike to Work Day.” Promote other options like scooters and low-emission motorcycles.
- Encourage more biofueling stations as supplies increase
- Formal Bike Lane and Bike Infrastructure Program
- Work with the transit agencies and others to increase local public transit ridership for multiple sectors of the community by a specific goal, such as a 5% increase by 2020.

MUNICIPAL Transportation

Action (Project or Program that leads to quantifiable GHG reductions)	Program or Project Status	Document Number	Emissions Category	Sub-Category
Municipal Fleet - replace conventionally-fueled vehicles with hybrids, electric vehicles, and biodiesel	Completed	4, 9, 11	Transportation	Low carbon fuels
Municipal Fleet - optimize truck routes to reduce fuel usage	Completed	11	Transportation	Reduced VMT
Municipal Electric Vehicle (EV) Charging Stations, reduced emissions associated with VMT	Ongoing	8	Transportation	Low carbon fuels

Ideas for new policies or programs:

- Expand use of biodiesel, especially as local supplies of biodiesel expand
- Develop and implement a municipal idling policy
- Reduce fleet size and/or incorporating car sharing in the municipal fleet
- Subsidize employee bus or transit ridership and incentivize or encourage other modes such as walking, bicycling, carpooling, etc.
- Flexible work schedules
- Establish a Sustainable Transportation and Land Use Team among the Public Works, Planning, and Economic Development and Redevelopment Departments
- Continue to play a leadership role in the county and regional transportation working groups

Solid Waste

COMMUNITY-WIDE Solid Waste

Action (Project or Program that leads to quantifiable GHG reductions)	Program or Project Status	Document Number	Emissions Category	Sub-Category
City-wide curbside recycling program for both residential and nonresidential	Completed	15, 16, 17	Solid Waste	Reduce waste
City-wide residential curbside yard waste pickup	Completed	15, 18	Solid Waste	Reduce waste
Waste reduction, including: 1. City provides free compost bins and training to residents 2. Ban on plastic bags and store charge for single-use carryout bags and plastic reusable bags.	Completed	14, 18	Solid Waste	Reduce waste

Ideas for new policies or programs:

- Curbside green waste pickup for nonresidential
- Curbside food waste pickup for residential and nonresidential

MUNICIPAL Solid Waste

Action (Project or Program that leads to quantifiable GHG reductions)	Program or Project Status	Document Number	Emissions Category	Sub-Category
Methane capture at landfill: A special cap placed on the landfill resulted in the capture of an extra 17 million cubic feet of methane in 2010.	Completed	32	Solid Waste	Methane capture

Note, this should be classified as energy, if it is being used to generate electricity or on-site heating. If it's just being flared, then we can keep it as part of solid waste.

Ideas for new policies or programs:

- Zero waste events, commitment to composting and recycling for city events (maybe big ones, e.g., farmer's market, local fairs?)
- Composting of city green waste, such as waste from parks and medians
- Environmentally Preferable Purchasing Program/Policy
- Establish municipal waste diversion requirement- 75%, 85%, 95% (Tiered structure over time).
- Increase the "waste to energy" capacity at the landfill, if possible.

Energy

COMMUNITY-WIDE Energy

Action (Project or Program that leads to quantifiable GHG reductions)	Program or Project Status	Document Number	Emissions Category	Sub-Category
Encourage permit applicants to pursue utility company rebates for energy efficiency and encourage energy efficient building design. Show leadership in application of green building practices in private sector development and develop public education program related to LEED and other fee credits and incentives.	Proposed	9	Energy	Energy efficiency
Citywide Street Tree Plan: Goal of 40% canopy cover (an additional 1,350 acres of tree canopy, or 46,600 tree plantings)	Proposed	2	Energy	Energy efficiency
Pursue the concept a region-wide Special Energy Financing District concept that provides on-tax bill financing of energy efficiency and renewable energy projects. AMBAG should form a special task force to evaluate this concept and its feasibility.	Proposed	4	Energy	Energy efficiency
Weatherization Services : HEAP applicants may be eligible for Weatherization Services.	Ongoing	5	Energy	Energy efficiency
Utility funded energy efficiency programs and Energy Watch programs. Includes a wide range of activities, such as DI, Ag EE campaign, and Retail EE Initiative.	Ongoing	6	Energy	Energy efficiency
Renewable Energy - Solar Power (Installed To-date and expected growth)	Ongoing	6	Energy	Renewable energy
Renewable Energy - Solar Water Heaters	Ongoing	6	Energy	Renewable energy

Ideas for new policies or programs:

- Additional programs or policies for renewable energy, such as:
 - o Reduce or remove permit fees for solar PV and solar hot water heaters
 - o Other incentives for renewable energy installation
 - o Outreach to businesses and residents regarding financing options for renewable energy, including PACE programs
 - o Bulk purchasing/preferred pricing for local residents and businesses for PV panels or solar hot water heaters
 - o Partner with the school districts to encourage solar on schools



- Discuss options with Energy Watch / AMBAG – what energy efficient programs can achieve greater participation in Watsonville?
 - o Central Coast Energy Services, Inc.
 - o RightLights
 - o PG&E Energy Savings and Rebate Programs
 - o Energy Upgrade California
- Create a Watsonville Citizen’s Climate Action Pledge
- Continue to participate in feasibility study of a Community Choice Aggregation (CCA) Program
- Promote smart meter based energy management systems (EMS)
- Consider residential energy conservation ordinance/commercial energy conservation ordinance

MUNICIPAL Energy

Action (Project or Program that leads to quantifiable GHG reductions)	Program or Project Status	Document Number	Emissions Category	Sub-Category
LED Streetlight Retrofits	Completed	8, 11	Energy	Energy efficiency
Municipal Buildings - Energy Efficiency Retrofits	Completed	8, 11	Energy	Energy efficiency
Municipal Buildings and Infrastructure - install PV panels	Completed	8, 11, 30, 32	Energy	Renewable energy
Consider requiring city facilities (>2000 sq ft) to be LEED certifiable, at a minimum, and Consider adopting an ordinance requiring LEED silver for city facilities	Proposed	4, 9	Energy	Green building
Install energy efficient equipment and procedures for municipal IT equipment	Completed	Noted by City staff	Energy	IT

Ideas for new policies or programs:

- Strengthen requirement for city facilities to LEED Gold or Platinum OR Calgreen Tier 1.
- Urban Forest Management Plan
- Building Commissioning and Retro-commissioning, if applicable.
- Partner with UCSC and other stakeholders to implement pilot projects that support development of emerging alternative energy technologies.
- “Lights off at Night” program for municipal buildings



Green buildings/Green business and local foods

COMMUNITY-WIDE Green Buildings/Green Business and Local Foods

Action (Project or Program that leads to quantifiable GHG reductions)	Program or Project Status	Document Number	Emissions Category	Sub-Category
Landscaping Guidelines	Completed	34	Multiple Categories	Green building
Green Building Ordinance: Reduction of water and energy use and increased use of alternative transportation.	Ongoing	7	Multiple Categories	Green building
Green Roof Design Policy Goals	Proposed	1	Multiple Categories	Green building
Energy, water, and waste reductions from the Green Business Program	Ongoing	13	Multiple Categories	Green business
Community Gardens:	Ongoing	21	Multiple Categories	Local foods

Ideas for new policies or programs:

- Update the Green Building Ordinance to align with CalGreen or new LEED standards
 - o Require certain CalGreen measures to be mandatory, such as cool roofs/green roofs or solar readiness
- Mandatory landscaping guidelines
- Point-of-Sale ordinance requiring energy retrofits at the time a building is sold or leased
- Weekly or monthly food swap for residents or businesses with extra produce from local trees or gardens
- Increase participation in the Green Business Certification Program; potentially set a goal such as 90%-100% participation by a certain year



Appendix A. Summary of Actions

These actions will be incorporated into the Climate Action Plan, but are not quantifiable towards the GHG reduction target.

Action (Project or Program that leads to quantifiable GHG reductions)	Document Number ³	Emissions Category	Why Not Quantified
Residential Plumbing Retrofit. In 1992, the City started providing residents with free plumbing retrofit kits that included low-flow showerheads and hose nozzles. Kitchen and bathroom faucet aerators have since been made available as well. The City conducted a summer and fall door-to-door educational campaign in 2000 and 2004.	30	Water and Wastewater	The activity began prior to 2005, the baseline year
Large Landscape Conservation Programs and Incentives. In 2000, the Watsonville Municipal Code was revised to guide new development within the City, and to shape water conservation programs. These programs have since been superseded by the California Water Efficient Landscape model ordinance (WELO) which the City enforces. The City intends to adopt its own WELO in 2011, which will be consistent with the State model.	30	Water and Wastewater	The activity began prior to 2005, the baseline year. New WELO from 2011 is captured in a separate action.
School Education Programs. The City employs one full time Environmental Education Coordinator who provides classroom presentations and field trips to twenty five schools in the City of Watsonville water service area. Water curriculum and videos are also provided at each school site. On average, more than 3,000 students, teachers, and parents participate in the program each year. The grade-leveled program has been designed to increase water conservation awareness and behavior in Watsonville students and their families.	30	Water and Wastewater	No methodology available to quantify reductions
Conservation Programs for Commercial, Industrial, and Institutional Accounts. The City's Source Control Program (part of the Wastewater Enterprise) works with commercial and industrial users to reduce water use. Annual inspections of the larger industrial facilities (wastewater flows > 25,000 GPD) focus on pollution prevention and water conservation.	30	Water and Wastewater	No methodology available to quantify reductions

³ See Appendix B for list of resources and documents reviewed.



Action (Project or Program that leads to quantifiable GHG reductions)	Document Number ³	Emissions Category	Why Not Quantified
Water use by industrial and large commercial users is measured monthly.			
Water Conservation Coordinator. The City employs an Environmental Projects Manager in charge of water conservation efforts. This position receives additional support from various groups within the Utilities Department including Water Operations, Customer Service (metering) and Engineering. Tasks include oversight and implementation of the conservation programs, program reporting, and communication of water conservation issues within the City organization and to the public.	30	Water and Wastewater	No methodology available to quantify reductions. Related reductions included in other actions, i.e. utility rebates for toilet and washing machine replacements.
Increasing the amount of non-polluting, renewable energy is the primary opportunity for the City to implement a climate change mitigation measure.	30	Water and Wastewater	No specific details are included that allow quantification. This is a general policy statement
Water Conservation. Implementation of the Water Conservation 2000 plan will provide up to approximately 5,000 acre-feet per year per year of reduced water demand through agricultural and domestic water conservation programs. The City has made a good faith effort to promote water conservation efforts in a variety of ways including; public education methods, the use of local print and electronic English and Spanish language media, articles in the City’s quarterly newsletter, and inserts in the City utility bills.	30	Water and Wastewater	Began in 2000 and no methodology available to quantify educational programs
“No-Waste” Ordinance. Adopted in 1992, it includes prohibitions on various wasteful water uses such as lawn watering during midday hours, excessive washing of sidewalks and driveways with potable water, and allowing plumbing leaks to go uncorrected.	30	Water and Wastewater	The activity began prior to 2005, the baseline year
Sec. 6-3.433. Water Conservation in Development . (§ 1, Ord. 1088-00 C-M, eff. April 14, 2000). All development shall utilize water conservation, water recycling, and xeriscaping to the maximum extent possible.	30	Water and Wastewater	The activity began prior to 2005, the baseline year
Sec. 6-3.434. Landscape Water Meters . (§ 1, Ord. 1088-00 C-M, eff. April 14, 2000)	30	Water and Wastewater	The activity began prior to 2005, the baseline year



Action (Project or Program that leads to quantifiable GHG reductions)	Document Number ³	Emissions Category	Why Not Quantified
Separate landscape water meters shall be required in locations with a combined landscaped area greater than five thousand (5,000) square feet.	30	Water and Wastewater	The activity began prior to 2005, the baseline year
Irrigation systems shall be designed and maintained to avoid run-off, over-spray, low head drainage or other similar conditions where water flows to waste. Turf shall not be used in median strips, parking islands, or in areas less than eight (8) feet wide, or on slopes that will result in excess irrigation water run-off. These limitations may be exempted if required for storm water erosion control by the Public Improvement Standards	30	Water and Wastewater	The activity began prior to 2005, the baseline year
Sec. 6-3.437. Water Use in Landscaped Areas . (§ 1, Ord. 1088-00 C-M, eff. April 14, 2000). Water use, in combined landscaped areas greater than five thousand (5,000) square feet, shall be monitored for comparison to the Maximum Applied Water Allowance (MAWA) ⁴ . Landscaped areas with water use lower than or equal to the MAWA shall be designated as water efficient. Landscaped areas with water use greater than MAWA will require an audit.	30	Water and Wastewater	The activity began prior to 2005, the baseline year
Resolution Confirming Participation in Pre-Development & Technical Feasibility Phase of Community Choice Aggregation (CCA) for Monterey Bay Region, Without Financial Obligation. Authorizing City Manager or Designee to Serve on Project Development Advisory Committee (PDAC); & Authorizing City Manager to Request, on Behalf of City of Watsonville, the PDAC, & PADAC's Consultants, Energy Usage Load Data from Pacific Gas & Electric Company for Use in Technical Feasibility Study	3	Energy	This is not yet a reduction measure but should be tracked.



Action (Project or Program that leads to quantifiable GHG reductions)	Document Number ³	Emissions Category	Why Not Quantified
<p>Establish a mechanism to accurately account for energy savings that are achieved in the region through accounting for energy efficiency program activity. 2008 UPDATE: Energy Watch Program has been tracking its own program metrics for savings in the municipal, hospitality business and residential sectors in terms of kilowatt hours and therms.</p> <p>Figures as of March 15, 2008: Municipal: 5,201,582 kWh; 198,352 therms (includes energy savings completed and committed) Hospitality: 17,697,292 kWh Residential: 1,293,653 kWh</p>	4	Energy	While the reduction numbers are important, setting up the tracking system is not a quantifiable action.
<p>CO2 emissions were calculated from the conditioned data, using ICLEI's Clean Air and Climate Protection (CACP) software. The findings were then entered into a narrative report template, provided by ICLEI and edited by AMBAG Energy Watch staff, which was provided to each jurisdiction.</p>	6	Energy	Important, but not a quantifiable GHG reduction action for Watsonville
<p>By 2010, 100% of AMBAG governments will have completed the local government operations protocol. All 18 inventories were completed in a very short time; ICLEI provided training courses at key points in the process. During the first phase of the project, interns worked with jurisdictional staff to collect all of the raw data relevant to the GHG inventory.</p>	6	Energy	Important, but not a quantifiable GHG reduction action for Watsonville
<p>Payment Assistance: California Alternate Rates for Energy (CARE) is a discount rate program offered by PG&E which gives eligible low-income households a 20% discount on their energy bill.</p>	5	Energy	Good program, but not a GHG reduction action.
<p>Payment Assistance: The Home Energy Assistance Program(HEAP) provides payment assistance with home energy bills. The one time per calendar year payment varies depending on income, household size, and funding. Households facing shutoff (customer has received 15-day or 48-hour notice) may receive immediate help at emergency service sites centrally located in Santa Cruz and Monterey counties.</p>	5	Energy	Good program, but not a GHG reduction action.



Action (Project or Program that leads to quantifiable GHG reductions)	Document Number ³	Emissions Category	Why Not Quantified
<p>Support any efforts to influence Congress and the Department of Transportation (if appropriate) to begin to increase the fuel economy of new passenger cars and light trucks (CAFE standards).</p>	4	Energy	Very important action, but not a quantifiable GHG reduction action for Watsonville.
<p>Conduct an annual assessment of the local information and training needs of the region. 2008 Update: The formation of the AMBAG Energy Watch Program, a regional local government partnership with PG&E, has enabled a significant increase in energy training that is conducted in the region and made available to regional consumers.</p>	4	Energy	Good program, but not a GHG reduction action.
<p>Conduct an assessment of local availability of energy products. Develop an action plan to expand their availability. 2008 Update: AMBAG is working under its CEC grant with several local constituents to develop a “Green Business Directory” that provides a list of locally available products.</p>	4	Energy	Not quantified to avoid double counting. Will quantify all AMBAG EE work in one measure.
<p>Take advantage of existing funding and technical resources to pursue energy efficiency, including participation in programs such as the ABAG/AMBAG Local Government Energy Partnership Program. 2008 UPDATE: AMBAG has partnered with Pacific Gas & Electric (PG&E) to form the AMBAG Energy Watch Program, which helps reduce energy use in the tri-county area by providing free resources to eligible PG&E customers, which include residential and hospitality business customers as well as the city and county governments located within Monterey, San Benito and Santa Cruz counties. These free resources include energy assessments and audits, direct installation of energy efficient equipment, technical assistance and financial incentives for energy efficient retrofits in municipal buildings, energy efficiency seminars and information on other PG&E energy efficiency programs and services. http://ambag.org/programs/EnergyWatch/energy_watch.html</p>	4	Energy	Not quantified to avoid double counting. Will quantify all AMBAG EE work in one measure.



Action (Project or Program that leads to quantifiable GHG reductions)	Document Number ³	Emissions Category	Why Not Quantified
<p>Work to develop and promote a comprehensive portfolio of energy efficiency, demand reduction, renewable and distributed generation programs targeting all sectors to help realize the region's long-term potential 2008 UPDATE: See AMBAG Energy Watch 2009-2011 program proposal. Also, work under CEC Rebuild America Grant to promote green building and energy efficiency.</p>	4	Energy	Not quantified to avoid double counting. Will quantify all AMBAG EE work in one measure.
<p>Evaluate various implementation and financing mechanisms to promote energy efficiency and demand reduction projects in all sectors. 2008 UPDATE: AMBAG Energy Watch Program.</p>	4	Energy	Not quantified to avoid double counting. Will quantify all AMBAG EE work in one measure.
<p>Evaluate energy retrofits and design options using life-cycle cost analysis that considers all costs of the building including first costs as well as future operational costs.</p>	4	Energy	Not quantified to avoid double counting. Will quantify all AMBAG EE work in one measure.
<p>Encourage purchase of Energy Star products whenever cost-effective (considering life-cycle costs). 2008 UPDATE: AMBAG Energy Watch Program is working to promote awareness of Energy Star products.</p>	4	Energy	Not quantified to avoid double counting. Will quantify all AMBAG EE work in one measure.
<p>Encourage new commercial and residential buildings to exceed minimum efficiency standards through public-good programs or local government incentives (e.g. plan check fee reduction or expedite). 2008 UPDATE: Promoting under CEC Rebuild America Grant. The following jurisdictions are considering or implementing government green building/energy efficiency programs for commercial and residential buildings: City of Capitola, City of Monterey, City of Santa Cruz, City of Scotts Valley, City of Watsonville and the County of Santa Cruz.</p>	4	Energy	Not quantified to avoid double counting. Will quantify all AMBAG EE work in one measure.
<p>Encourage the upgrade of older, existing buildings to meet energy codes upon resale through the consideration of a time-of-sale energy efficiency rating and certification process similar to Monterey County Water Resources Agency Ordinance No. 3932.</p>	4	Energy	Not quantified to avoid double counting. Will quantify all AMBAG EE work in one measure.



Action (Project or Program that leads to quantifiable GHG reductions)	Document Number ³	Emissions Category	Why Not Quantified
The Low Interest Loan Program available through the CEC would be a good option for local government agencies to fund additional projects that are identified by Energy Watch assessments but might not be pursued due to lack of funding.	4	Energy	Not quantifiable but a supporting measure
Urban Water Management Plan: Adopt Method 3, Urban Water Use Targets for Hydrologic Regions. Achieve 95% of the applicable state hydrologic region target as set forth in the State's 20x2020 Water Conservation Plan. The City has chosen to comply with SBx7-7 as an individual agency and will include its reporting requirements in the 2010, 2015, and 2020 UWMPs.	30	Water and Wastewater	Not a quantifiable action.
Conservation Pricing. Since 1995, the City has had an inclining multi-block water rate structure. A billing unit is one hundred cubic feet (748 gallons), commonly abbreviated CCF. The City has implemented a tiered rate structure, most recently revised in October 2010. The City will continue to evaluate the effectiveness of rate blocks and how to increase the financial incentives to conserve water.	30	Water and Wastewater	This action goes back to 1995, before the 2005 baseline.
AMBAG should work with PG&E to track all projects implemented in region, including those that occur in other PG&E and third-party programs.	4	Energy	Not quantifiable but a supporting measure
When PG&E's Strategic Plan is approved by the CPUC (expected late 2008), the EAC should reconvene to evaluate strategies to ensure that all PG&E and third party programs achieve maximum penetration in the region (as is currently the case with the Energy Watch Program).	4	Energy	Not quantifiable but a supporting measure
Seek funding to support the development of a public information program on transportation energy conservation and efficiency. 2008 UPDATE: AMBAG Rideshare program/public outreach. Tri-county rideshares: SCCRT and SB County COG quantify the amount of money spent, the number of participants and the economic/environmental benefits.	4	Energy	Not a quantifiable action.

Action (Project or Program that leads to quantifiable GHG reductions)	Document Number ³	Emissions Category	Why Not Quantified
<p>Seek funding to complete a more comprehensive transportation energy study that better defines the potential fuel and cost savings through more efficient use of transportation technologies. 2008 UPDATE: The region has a long-range Metropolitan Transportation Plan (2010-2035), which incorporates all planned projects in the region—all are eligible for federal funding. Additionally, each county has a long-range plan; updating now (2005)</p> <p><http://www.sccrtc.org/pdf/2005_rtp_eir_nop.pdf> > Also, Regional Transportation Plans (RTPs) exist for each region/county.</p>	4	Energy	Not quantifiable and outdated.
<p>Complete an assessment of potential renewable and distributed generation resources, including but not limited to wind, solar and potentially municipal waste energy production capacity from landfill gas that is not yet productive. 2008 UPDATE: The magnitude and scope of this action step exceeds the scope and funding of the current CEC Rebuild America Grant funding.</p>	4	Energy	These seem to be actions to be done at the regional level by AMBAG
<p>Evaluate various implementation and financing mechanisms to promote and encourage renewable and distributed generation resources in all sectors</p>	4	Energy	These seem to be actions to be done at the regional level by AMBAG
<p>Work with PG&E to leverage the existing Self-Generation Program to promote and maximize the utilization of clean, distributed generation resources in the region (e.g. through local workshops, case studies, etc).</p>	4	Energy	Likely a supporting action - not quantifiable.



Appendix B. List of Resources Reviewed

Document Number	Plan or Policy Document Name	Link	Emissions Category
1	Green Roof Design Criteria	http://cityofwatsonville.org/public-works-utilities/urban-greening-plan	Energy
2	Citywide Street Tree Plan	http://cityofwatsonville.org/download/Public%20Works/Urban_Greening/Citywide_Tree_Plan/Citywide%20Street%20Tree%20Plan_Part1.pdf	Energy
3	CCA Feasibility Study	http://cityofwatsonville.org/download/City_Council/City_Council_Documents/2013/032613/Agenda.pdf	Energy
4	Monterey Bay Regional Energy Plan	http://www.ambag.org/programs/EnergyWatch/documents/RegionalEnergyPlan%202008.pdf	Energy
5	Programs from the Central Coast Energy Services	http://www.energyservices.org/	Energy
6	AMBAG Energy Watch Programs	See packet provided by AMBAG	Energy
7	Green Building Ordinance	See files saved here.	Energy
8	Municipal retrofits (LED streetlights, renewable energy, EV charging stations)	http://cityofwatsonville.org/city-of-watsonville/conserving-energy-making-a-difference-energy-efficient-street-lighting/attachment/led-street-lights-before-watsonville-300x199	Energy
9	General Plan and General Plan EIR	http://cityofwatsonville.org/permits-plans/major-projects	Multiple Categories
10	Conservation Outreach and Education Program	http://cityofwatsonville.org/public-works-utilities/conservation_outreach_and_education_program	Multiple Categories
11	City Major Engineering Projects	http://cityofwatsonville.org/public-works-utilities/projects/projects	Multiple Categories
12	Corralitos Creek Water Supply and Fisheries Enhancement Project	http://www.doi.gov/news/pressreleases/upload/FY11_WEEG_NewsRelease_051711_Project-Descriptions-FINAL.pdf	Multiple Categories



13	Monterey Bay Area Green Business Program	http://cityofwatsonville.org/public-works-utilities/garbage-recycling-waste-reduction/business-recycling-program/listing-of-green-businesses	Multiple Categories
14	Single Bag Use Ordinance	http://cityofwatsonville.org/public-works-utilities/garbage-recycling-waste-reduction	Solid Waste
15	Garbage and Recycling Service	http://cityofwatsonville.org/public-works-utilities/garbage-recycling-waste-reduction	Solid Waste
16	Curbside Recycling Program	http://cityofwatsonville.org/public-works-utilities/garbage-recycling-waste-reduction/recycling-services	Solid Waste
17	Business Recycling Program	http://cityofwatsonville.org/public-works-utilities/garbage-recycling-waste-reduction/business-recycling-program	Solid Waste
18	Composting	http://cityofwatsonville.org/public-works-utilities/garbage-recycling-waste-reduction/composting	Solid Waste
19	Household Hazardous Waste and "No Drugs Down the Drain"	http://cityofwatsonville.org/public-works-utilities/garbage-recycling-waste-reduction/hazardous-waste	Solid Waste
20	Recycling used motor oil and filters	http://cityofwatsonville.org/public-works-utilities/garbage-recycling-waste-reduction/used-motor-oiltires	Solid Waste
21	Community Gardens Program	http://cityofwatsonville.org/public-works-utilities/urban-greening-plan	Transportation
22	City of Watsonville Trails and Bicycle Master Plan	http://cityofwatsonville.org/public-works-utilities/urban-greening-plan/draft-trails-and-bicycle-master-plan	Transportation
23	AMBAG Blueprint	http://www.ambag.org/sites/default/files/documents/6-2011_Blueprint_Document_Compressed.pdf	Transportation
24	AMBAG SCS	Need to update link	Transportation
25	AMBAG Metropolitan Transportation Plan FSEIR	http://ambag.org/pdf/2010_%20MTP_FSEIR.pdf	Transportation
26	Monterey Bay Area Mobility 2035	http://ambag.org/programs/met_transp_plann/reports/mtp_amend_1%20&%202.pdf	Transportation
27	Safe Routes to School Program	http://cityofwatsonville.org/city-of-watsonville/city-of-watsonville-receives-funding-for-safe-routes-to-school	Transportation



28	Santa Cruz County Regional Transportation Commission - Regional Transportation Plan	http://sccrtc.org/funding-planning/long-range-plans/rtp/	Transportation
29	Wetlands Trails Master Plan	http://www.californiawetlands.net/upfiles/4230/trailsplan.pdf	Transportation
30	City of Watsonville 2010 Urban Water Mangement Plan	http://www.water.ca.gov/urbanwatermanagement/2010uwmps/Watsonville,%20City%20of/UWMP%202010%20FINAL.pdf	Water and Wastewater
31	Pajaro Valley Water Management Agency Basin Management Plan	http://www.pvwma.dst.ca.us/about-pvwma/assets/bmp_2000/2002_BMP_Complete_Document.pdf	Water and Wastewater
32	Wastewater Treatment Plant - methane capture	http://cityofwatsonville.org/public-works-utilities/wastewater-treatment-plant	Water and Wastewater
33	Water Recycling Project	http://cityofwatsonville.org/public-works-utilities/wastewater-treatment-plant	Water and Wastewater
34	Landscape Guidelines and Policies	http://cityofwatsonville.org/public-works-utilities/urban-greening-plan	Water and Wastewater
35	Storm Water/Storm Drain System Prevention	http://cityofwatsonville.org/public-works-utilities/sewer-storm-drains	Water and Wastewater
36	Utility Rebates	http://cityofwatsonville.org/public-works-utilities/rebates	Water and Wastewater
37	Water Conservation Programs	http://cityofwatsonville.org/public-works-utilities/water/water-conservation	Water and Wastewater