

## Energy and Climate Action Plan Implementation Progress Report

Through the work of multiple internal departments and external partners, the City has begun implementation of many actions included in the Draft Energy and Climate Action Plan (ECAP). This document provides an implementation progress report for the period of 2010 through October 2012.

### Status of Priority Actions Supported by Existing Resources

The draft ECAP identified a number of actions that can be accomplished with existing resources, or with the aid of anticipated external support (e.g., grants). These Priority Actions Supported by Existing Resources were identified to move forward with existing or anticipated resources, for implementation during the period of 2011-2013. Table 1 provides a summary of the status of each of these Priority Actions Supported by Existing Resources.

**Table 1. Status of Priority Actions Supported by Existing Resources**

Priority Action	Implementation Status
PA 1 Identify and Adopt Priority Development Areas	<b>Complete</b> – The City has identified Corridors and Station Areas as Priority Development Areas.
PA 2 Launch and Develop a Funding Plan for the Downtown Shuttle	<b>Complete</b> – The City launched the Free B Shuttle and service is continuing.
PA 3 Advance Bus Rapid Transit (BRT) in Oakland	<b>Complete</b> – The City and AC Transit have approved a BRT plan, and implementation is moving forward.
PA 4 Participate in Quarterly SB 375 Discussions	<b>Complete</b> – The City has participated in regional planning resulting in ABAG and MTC approval of “Plan Bay Area” and a “Preferred Land Use and Transportation Investment Strategy.”
PA 5 Call for Port of Oakland GHG Reduction Targets and Plans	<b>Underway</b> – City staff have participated in Port of Oakland energy and climate planning discussions. The Port has undertaken multiple GHG reduction initiatives, including installation of electric shorepower and electric vehicle charging infrastructure.
PA 6 Call for Climate Action by Port Tenants	<b>Underway</b> – City staff have participated in Port of Oakland energy and climate planning discussions.
PA 7 Adopt a Green Building Ordinance for Private Development	<b>Complete</b> – The City Council adopted a Green Building Ordinance for Private Development in 2010.
PA 8 Offer Property-Based Energy Financing	<b>Mixed</b> – Offerings are available in Oakland for commercial sector customers to use property assessed clean energy (PACE) financing. Offerings for residential customers are on hold pending resolution of issues with Fannie Mae and Freddie Mac at the federal level.
PA 9 Launch a Downtown Commercial Retrofit Program	<b>Complete</b> – Oakland Shines performed 600 building audits and 200 energy upgrade projects, resulting in annual energy savings of 4.5 million kWh of electricity and 55,000 therms of natural gas, saving Oakland businesses nearly \$600,000 per year in energy costs.
PA 10 Encourage Participation in Local Energy Efficiency Programs	<b>Underway</b> – The City continues to encourage businesses and residents to participate in energy programs such as Oakland Shines, Smart Lights, Energy Upgrade CA, and others via outreach at events and through targeted outreach opportunities.
PA 11 Launch a Residential Green Retrofit Program	<b>Complete</b> – City staff participated in the planning and launch of Energy Upgrade California, which provides assistance and rebates to Oakland homeowners making home energy upgrades.
PA 12 Conduct a Multi-Family Affordable	<b>Complete</b> – The City partnered with the San Francisco Mayor’s Office of

Housing Retrofit Pilot	Housing, Enterprise Community Loan Fund, and the Low Income Investment Fund to develop protocols for predicting energy savings in multi-family properties and successfully advocated for policy changes that allow state and federal energy efficiency funding to better serve low-income residents in multi-family housing. The pilot served 98 affordable family housing units in downtown Oakland.
PA 13 Expand Weatherization Program Delivery	<b>Complete</b> – The City expanded weatherization program delivery to single family and multi-family homes using time-limited ARRA funds, including improving energy efficiency in 862 Oakland homes, including 780 affordable housing units in 13 multi-family properties in Oakland.
PA 14 Launch the Weatherization and Energy Retrofit Loan Program	<b>Complete</b> – The City launched the Weatherization and Energy Retrofit Loan Program which has provided energy retrofits for 20 single-family homes to date.
PA 15 Create an Oakland-Specific Water-Efficient Landscaping Ordinance	<b>Pending</b> – This action is on hold due to budget-related staffing reductions.
PA 16 Implement Advanced Operating Procedures for City Facilities	<b>Underway</b> – The City added digital control procedure documentation for upgraded lighting and/or HVAC controls in the Dalziel Garage, Police Administration Building, and City Administration Building. New operating procedures are under development for utility cost management and energy efficiency modifications to City facilities.
PA 17 Improve Energy Performance of New City Facilities	<b>Pending</b> – This action will proceed after the completion of advanced operating procedures for City facilities.
PA 18 Retrofit City Facilities to Improve Energy Performance	<b>Complete</b> – The City has completed energy upgrades to: the Police Administration Building’s lighting and HVAC equipment; the City Administration Building’s automated HVAC controls; Data Center servers; and lighting systems at the Municipal Services Center, Dalziel Garage and 20 community ball fields.
PA 19 Restructure Solid Waste Management System	<b>Complete</b> – The City has released an RFP for delivery of zero waste services in Oakland that includes a restructuring of the solid waste management system to help achieve zero waste goals.
PA 20 Refine Implementation of C&D Recycling Ordinance	<b>Complete</b> – The City has improved implementation through use of online software for data submission, tracking and evaluation.
PA 21 Promote Waste Reduction at Community Events	<b>Complete</b> – The City has completed an event recycling guide and model contract and posted these on the City website, and now requests waste reduction and recycling plans as part of the event permitting process.
PA 22 Develop Regulations Enabling Urban Food Production	<b>Underway</b> – Planning staff have developed a draft update to zoning regulations to clarify and enable urban food production.
PA 23 Encourage Land Owners to Lease Space for Food Production	<b>Pending</b> – This action is pending completion of new regulations enabling urban food production.
PA 24 Provide Additional Information on Energy and Climate Issues Through Existing City Channels	<b>Complete</b> – The City has begun to distribute information on energy and climate issues through existing City channels such as through postcards and flyers at Earth Day, Art and Soul, National Night Out, and Creek to Bay Day events, bookmarks distributed through the Oakland Public Library’s Summer Reading Program, material at the Building Counter, and more content on the City website.
PA 25 Expand Outreach on Energy and Climate Issues Through Partnerships with Local Organizations	<b>Underway</b> – The City has partnered with local organizations in the Oakland Climate Action Coalition to recruit participants for a workshop on advancing energy efficiency in multi-family housing, and in evaluating projected local climate impacts, vulnerabilities and adaptation strategies.

PA 26 Convene Community Climate Forums	<b>Pending</b> – The City plans to hold a community climate forum in the first quarter following City Council adoption of the ECAP.
PA 27 Report on Energy and GHG Reduction Progress	<b>Underway</b> – This document represents the first implementation progress report.
PA 28 Support Local Green Jobs Programs	<b>Underway</b> – The City’s former Redevelopment Agency funded a pilot Green Works development program with \$200,000 from 2009 to 2011 in the Coliseum Redevelopment Area. Funds were used to provide 40 East Oakland young adults with green education and training via special courses taught through the Peralta Community College District, including green landscape construction and site design. Project participants worked with neighborhood stakeholders to help construct green landscape design-build projects that improved neighborhood parks and public places in the Coliseum area of East Oakland.
PA 29 Participate in Regional Climate Adaptation Discussions	<b>Underway</b> – The City is working with BCDC and other partners to study climate change impacts, vulnerabilities and potential adaptation strategies.

### **Implementation Progress on Other Actions**

In addition to the Priority Actions Supported by Existing Resources listed above, the City and its partners have made implementation progress on approximately 50 other actions included in the draft ECAP where unforeseen resources and partnerships have enabled progress. Below are brief summaries of the implementation status of these actions.

**Table 2. Status of Other Actions Underway**

<b>Action</b>	<b>Implementation Status</b>
PA 30 Develop a Comprehensive Transportation Policy Plan	<b>Underway</b> – The City has begun a process to develop a shared vision, criteria and process for future transportation planning and project prioritization, which represents one portion of this project.
PA 34 Accelerate Completion of Bicycle and Pedestrian Plans	<b>Underway</b> – The City implemented a record setting 17 miles of bikeway projects in 2011 to expand and improve the network, and is moving forward with several new major projects including along 27 <sup>th</sup> St, East 12 <sup>th</sup> St, the Broadway Corridor, MacArthur Blvd, and elsewhere.
PA 35 Establish Alternative Mechanisms for Meeting Parking Requirements	<b>Underway</b> – Planning staff is currently exploring alternative parking strategies in the process of preparing zoning updates for off-street parking.
PA 36 Conduct a Citywide Dynamic Parking Pricing Study	<b>Underway</b> – The City is analyzing the results of three pilot studies to test parking strategies to increase availability, match demand to supply, and benefit local businesses and the community. The pilot areas are the Jack London Square mixed business and housing area, Temescal commercial area, and Montclair business area.
PA 37 Plan for Electric Vehicle Infrastructure	<b>Underway</b> – As a member of the Bay Area Electric Vehicle Strategic Council, the City is partnering with other Bay Area cities, regional agencies and private sector partners to develop an electric vehicle infrastructure plan to make EV charging infrastructure widely available throughout the Bay Area. Regional agencies were awarded more than \$500,000 for this work in 2011.
PA 38 Develop an Urban Forestry Master Plan	<b>Underway</b> – The City is taking initial steps by analyzing overall tree canopy coverage across the city and considering the stormwater and water quality effects of tree species selection and planting methods in its Urban

	Greening Retrofit Plan. The City has applied for a grant from the CAL FIRE Urban and Community Forestry Program to support this work.
PA 39 Accelerate City Fleet Vehicle Replacement	<b>Underway</b> – The City has recently retired a number of older vehicles and replaced them with more fuel efficient vehicles. The City is in the process of replacing Geo Tracker SUVs with the Toyota Prius C for parking enforcement. Five CNG street sweepers will replace six existing diesel sweepers, and one CNG refuse packer will replace a diesel version.
PA 41 Discontinue Subsidizing Parking for City Employees	<b>Complete</b> – The City discontinued providing free parking for many downtown City employees in 2010.
PA 42 Engage Largest Electricity Consumers in Energy Retrofits	<b>Underway</b> – The City has engaged with PG&E and neighboring cities to form the East Bay Environmental Network, a peer learning forum helping larger companies in the region discuss energy management approaches.
PA 43 Market Energy Retrofit Opportunities to All Oakland Businesses	<b>Underway</b> – The City expanded the Oakland Shines program to make it available to businesses citywide, and staff from the former Redevelopment Agency promoted it citywide.
PA 44 Create a Renter-Occupied Residential Energy Retrofit Program	<b>Underway</b> – The City is collaborating with the Cities of Berkeley and Emeryville to develop recommendations for policies and programs to advance energy savings in multi-family and renter-occupied housing.
PA 47 Encourage the Creation of On-Bill Financing for Energy Retrofits	<b>Underway</b> – The City encouraged PG&E to make on-bill financing available to help all customers afford the cost of energy upgrades. PG&E began offering zero-interest on-bill financing in their 2010-2012 program cycle.
PA 48 Seek Resources to Support Energy Programs	<b>Underway</b> – The City partnered with other local governments, PG&E and ABAG in development of two separate funding proposals to the CPUC for use of energy efficiency funds to help support energy efficiency in Oakland.
PA 49 Encourage Citywide Energy Conservation and Efficient Product Purchasing	<b>Underway</b> – The City distributed postcards, bookmarks and flyers and added web content promoting steps that residents can take at home toward energy conservation and efficient product purchasing.
PA 51 Encourage PG&E to Offer Green Power Options	<b>Underway</b> – PG&E announced in April 2012 that it plans to begin offering a 100% green power option to its customers in early 2013.
PA 52 Monitor Community Choice Energy	<b>Underway</b> – The City is monitoring CCA efforts of nearby jurisdictions and has responded to an inquiry from EBMUD, which is exploring the idea of developing a CCA.
PA 54 Conduct Residential Social Marketing Campaigns and Business Outreach	<b>Underway</b> – The City engaged a local Oakland contractor specializing in environmental social marketing to develop ideas for promoting participation in residential food scraps collection. The work has been focused on engagement of shoppers at Oakland’s farmers markets, and is still being developed.
PA 59 Study Potential Local Climate Impacts	<b>Underway</b> – The City is participating in a sub-regional climate impacts and vulnerability assessment led by the Bay Conservation and Development Commission focusing on the impacts of projected sea level rise and flooding. This project will also develop adaptation recommendations in a later phase.
PA 61 Identify and Act on Opportunities to Improve Resilience in City Plans and Policies	<b>Underway</b> – The City is exploring climate resilience ideas in the context of its West Oakland Specific Plan project.
TLU-5 Prioritize GHG Reductions in Zoning Updates	<b>Underway</b> – Planning staff is currently preparing zoning updates for Urban Agriculture and Off-Street Parking that will include provisions for GHG reductions.

TLU-8	Require Transit-Oriented Development Performance for New Development	<b>Underway</b> – Planning staff is currently updating the City’s requirements for Transportation Demand Management (TDM) programs to emphasize alternative modes of travel for major new development projects.
TLU-9	Encourage New Housing at Range of Price Levels	<b>Underway</b> – Planning staff is currently preparing a number of specific and area plans (Lake Merritt BART Station, Broadway/Valdez District, West Oakland, and Central Estuary). Each of these plans will include affordable housing provisions and will encourage new housing at a range of unit sizes and price levels near transit hubs and corridors.
TLU-11	Promote Vibrant, Safe and Attractive Transit-Oriented Dense Development	<b>Underway</b> – Planning staff is currently preparing a number of specific plans that will address these issues, including for the Lake Merritt BART Station, Broadway/Valdez District, West Oakland, Coliseum City, and Central Estuary areas. In addition, since approval of BRT, staff has been working with AC Transit to establish design requirements for the permanent stations and streetscapes along the route. These station locations are expected to spur additional TOD, beyond the BART station development that is already occurring. Also, Planning staff is currently preparing design guidelines for the city’s mixed-use corridors, with completion anticipated in 2013.
TLU-17	Optimize Street Design for Transit, Bicycling and Walking	<b>Underway</b> – The City is developing “complete streets” criteria for optimizing street design based on the primary and secondary modes each street is designed to serve.
TLU-19	Expand and Enhance Transit Service, Interconnections, Vehicles, and Facilities	<b>Underway</b> – The City has received a grant of \$531,000 from the Safe Routes to Transit program to build a bike station at 19th Street BART and is working with BART to find a location and establish an operating agreement.
TLU-24	Encourage Bike Sharing Programs	<b>Exploring</b> – The City has researched bike sharing programs and recommends joining round two of the regional pilot study now underway, sponsored by MTC.
TLU-26	Enforce Transportation Demand Management Measures in New Development	<b>Underway</b> – The City has developed a Transportation Demand Management Program that is applicable to new large, dense development to ensure that these projects establish programs to reduce vehicle traffic and provide multi-modal options. Yearly reporting is required. See also TLU-8.
TLU-30	Impose Parking Maximums on New Development	<b>Underway</b> – Planning staff is currently considering parking maximums, and other strategies to reduce parking demand, in the process of preparing zoning updates for Off-Street Parking. The Transportation Demand Management program update (see TLU-8) will include updating TDM requirements for major new development projects.
TLU-40	Partner with the Port to Advance GHG Reductions	<b>Underway</b> – City staff have participated in Port of Oakland energy and climate planning discussions.
TLU-51	Collaborate with Local Organizations on Urban Forestry	<b>Underway</b> – The City has begun development of an Urban Greening Retrofit Plan that will include consideration of the stormwater and water quality effects of tree species and planting methods. The City is engaging with local urban forestry organizations in this project.
TLU-56	Enable More City Services to be Accessed Online	<b>Underway</b> – The City has enabled certain City services, including payment of parking tickets, to be accessed online and via phone. Oakland was recently selected to be a 2013 Code for America City (one of seven chosen nationwide), which will entail multiple fellows being deployed to Oakland to help the City further use technology to improve online access to services and reduce waste.
TLU-57	Reduce the Size of the City’s	<b>Underway</b> – The City has reduced the size of its vehicle fleet by 108 units

Vehicle Fleet	over the last two years by removing generally older, less efficient vehicles.
TLU-58 Perform Preventive Maintenance to Optimize Fuel Efficiency	<b>Underway</b> – The City is using telematics devices that provide vehicle diagnostic trouble codes to maintenance supervisors via email daily. These alerts enable the Equipment Services Division to make prompt repairs to engine and fuel system malfunctions that affect emissions.
TLU-59 Expand Staff Training on Fuel Efficient Vehicle Operations	<b>Underway</b> – The City implemented an online motor pool reservation portal that makes creating and changing reservations more user-friendly. It also automates the allocation of vehicles to meet demand.
TLU-60 Expand Capacity to Support Electric and Alternative Fuel Vehicles	<b>Underway</b> – The City is planning to add new electric vehicle charging infrastructure at one downtown public parking garage and at the City’s Municipal Services Center in 2013.
TLU-61 Integrate Fuel Efficient Specialized Vehicles Into City Fleet	<b>Underway</b> – The City plans to add three electric vehicles to its fleet in 2013 thanks to a grant from the Metropolitan Transportation Commission.
BE-8 Explore Opportunities to Enhance Control of Energy Program Funds	<b>Underway</b> – The City has partnered with ABAG and StopWaste.Org to submit a proposal to the California Public Utilities Commission that would provide Bay Area local governments more control of certain energy program funds.
BE-11 Promote Energy Efficiency to Property Owners and Tenants	<b>Underway</b> – The City promoted energy efficiency to many commercial property owners and tenants through the Oakland Shines program, which made contact with more than 1,000 local businesses, and through residential outreach and workshops held through the Energy Upgrade California program.
BE-20 Launch a Commercial Building Energy Challenge Program	<b>Exploring</b> – The City is supporting exploration of creating a 2030 District in downtown Oakland promoting energy and water savings in commercial buildings.
BE-28 Launch a Community Solar Program	<b>Underway</b> – The City is participating in a review of solar permitting requirements with other local governments in the East Bay Green Corridor. The City is also developing a guide to going solar in Oakland to make it easier for residents to add solar panels to their homes.
BE-36 Encourage Use of Rainwater and Greywater Systems	<b>Underway</b> – Oakland households purchased over 1,000 rain barrels through the Oakland Watershed & Stormwater Management Rain Barrel Program by mid 2011, providing the equivalent of 57,000 gallons of rainwater storage.
BE-45 Explore Alternative Energy for City Facilities	<b>Underway</b> – The City is collaborating with Alameda County to develop an RFP to identify a contractor to add solar to City facilities via a power purchase agreement.
BE-46 Upgrade to Energy-Efficient Streetlights	<b>Underway</b> – The City has begun to test advanced technology LED streetlights on local streets and is evaluating proposals from contractors to perform a citywide streetlight retrofit project.
MW-14 Promote Local Green Businesses and Expand Green Business Program	<b>Underway</b> – In fiscal year 2011/2012 the City engaged a local Oakland contractor to provide technical assistance and outreach to businesses to increase the certification of new businesses in the Alameda County Green Business Program. The contractor made contact with over 300 Oakland businesses, registered over 100 with the Green Business Program, obtained 50 complete applications, and completed 25 new certifications. There are currently 163 Green Business in Oakland.
MW-15 Foster Reuse, Repair, Buy Local and Buy Recycled	<b>Underway</b> – The City’s Office of Economic Development is supporting recovery and redistribution of computers with the Oakland Technology Exchange in West Oakland, and the expansion efforts of St. Vincent de

	Paul of Alameda County at its East Oakland construction materials reuse facility, which houses both the Habitat for Humanity ReStore and The Reuse People, both of which recover and resell construction materials for reuse.
MW-16 Recruit Businesses Supporting Zero Waste Goals to Oakland	<b>Underway</b> – As part of continuing efforts of the Oakland/Berkeley Recycling Market Development Zone, the City’s Office of Economic Development is working with approximately 20 businesses that add value to materials diverted from the waste stream. Most recently, the City provided permitting assistance to a pioneering effort to convert asphalt roofing shingles into road patch asphalt, and is working with Oakland-headquartered Ecologic Brands on expanded distribution of their molded paper packaging products, which displace higher toxicity and harder to recycle plastic packaging.
MW-19 Evaluate the Potential of Creating Community Gardens on City-Controlled Public Land	<b>Underway</b> – The City continues to evaluate the potential for new community gardens on a case-by-case basis, and has identified new locations for community gardens at Lowell Park and Dimond Park in the last year. A partnership led by City Slicker Farms and the City of Oakland converted Fitzgerald and Union Plaza parks into community parks with garden spaces and a market farm. A partnership between the City, PUEBLO and Acta Non Verba built sustainable produce-yielding urban farms at Stonehurst and Sobrante Park elementary schools and the Tassafaronga Recreation Center.
MW-29 Advance Economic Development Strategies Supporting Local Food Production	<b>Underway</b> – The City’s Office of Economic Development recently held the first in a series of professional seminars on Logistics, Packaging and Food Safety for the Oakland food & beverage production community. The Office is creating a Food Economic Study as a component of the Economic Development Strategy, with a related Action Plan to continue support for the growth, expansion and location of new food & beverage companies in Oakland. The Office supports the Sector through representation at Trade Shows, seeks out new financing opportunities in partnership with lender agencies, and offers marketing through the Oakland Food & Beverage Trail, to be developed as a web-based program.
MW-30 Review Permitting Requirements for Local Food Distribution Efforts	<b>Underway</b> – The City is considering permitting issues in its review of regulations pertaining to urban agriculture.
AD-6 Encourage Development of Regional Climate Adaptation Strategy	<b>Underway</b> – The City is participating with other local governments and regional agencies toward development of a regional climate adaptation strategy.
AD-11 Install Infrastructure to Reduce Flood Impacts	<b>Underway</b> – Oakland households purchased over 1,000 rain barrels through the Oakland Watershed & Stormwater Management Rain Barrel Program by mid 2011, providing the equivalent of 57,000 gallons of rainwater storage.