



Memorandum

TO: HONORABLE MAYOR
AND CITY COUNCIL

FROM: John Stufflebean

SUBJECT: URBAN ENVIRONMENTAL
ACCORDS IMPLEMENTATION
WORKPLAN

DATE: 10-09-07

Approved

Date

10/17/07

COUNCIL DISTRICT: City-Wide

RECOMMENDATION

1. Adopt a goal for San José to achieve Global Sustainable City status through implementing 19 to 21 Actions that make up the Urban Environmental Accords covering energy/climate change, waste reduction, urban design, urban nature, transportation, environmental health and water.
2. Approve the attached table describing a 5-year implementation workplan with specific tasks and activities. The following specific actions will be brought forward for Council consideration in Fiscal Year 2007/2008:
 - A “zero waste” goal,
 - A water conservation plan,
 - Greenhouse gas emission reduction goals, and
 - The Las Plumas Master Plan.

OUTCOME

Achieving Global Sustainable City status will create many benefits for the residents of San José including improvements to the environment, resource conservation and pollution prevention, and environmental health benefits. The Urban Environmental Accords (Accords) workplan provides a framework through which to begin implementation of many of the Green Vision goals over the next five years and an umbrella under which to work towards many other environmental goals. In addition, adopting a Global Sustainable City goal will enable the City to further implement its Sustainable City Major Strategy as well as other environmental policies such as the Environmentally Preferable Procurement Policy, the Green Building Policy, the Water Policy Framework, and the Energy Policy. Implementing the Urban Environmental Accords will help address numerous environmental issues we face both locally and globally, helping to preserve our environment and resources while improving the health and safety of our residents.

The City lacks direct control over the achievement of Action 13 (having public transit access within 1/3 mile of every City resident) and Action 15 (reducing the number of single-occupancy commute trips). However, the City continue to support regional efforts such as supporting associated legislation, infrastructure improvements and commute services that help achieve these objectives.

BACKGROUND

The City's 2020 General Plan includes a Sustainable City Major Strategy, stating San José's desire to become an environmentally and economically sustainable city. A "sustainable city" is designed, constructed, and operated in ways that minimize waste, use natural resources efficiently to manage and conserve them for the use of present and future generations.¹ Consistent with this, the Green Vision establishes aggressive goals for energy conservation, utilization of solar and clean renewable energy, clean and green technology development, "zero waste" and widespread implementation of green building standards.

In 2005, mayors around the world began identifying local environmental sustainability initiatives that cities could implement. More than half of the world's people now live in urban areas, so the actions taken by cities will have a significant impact. Two of the agreements developed during that year include the Urban Environmental Accords (Council approved becoming a signatory in November 2005), and the Mayors Climate Protection Agreement (adopted by the Council in March 2007). These two agreements have different strategies but the same goal: coordinated local action to make a global difference.

The Accords were developed by cities as part of the United Nations World Environment Day (June 2005) to provide a roadmap to cities as they work towards sustainability. More than 100 cities worldwide are signatories. The number of Actions a city achieves determines its sustainability ranking; local (achieving 8 – 12 Actions), national (achieving 13 – 15 Actions), regional (achieving 16 – 18 Actions), or global sustainable city status (achieving 19 – 21 Actions). The Accords document is included as Attachment C.

The Environmental Services Department has coordinated a team of City staff from various departments to evaluate the Actions, to determine the level of San José's completion of Actions, and to develop an implementation workplan. The team includes the Environmental Services, City Attorney's office, Office of Economic Development, Department of Transportation, Airport, the San José Redevelopment Agency, General Services, Finance, Public Works, Police, Fire, Library, Planning, Building and Code Enforcement, and Parks, Recreation, and Neighborhood Services. In February 2007, staff provided an update to the Transportation and Environment Committee on the goals, status of planning, and a timeline for developing an implementation workplan.

¹ Sustainable Major Strategy, San José General Plan 2020

ANALYSIS

In addition to providing a vehicle for initiating many aspects of the Green Vision, the Accords align with the 2020 General Plan's Sustainable City Major Strategy and supporting policies and programs such as the Green Building Policy, Water Policy Framework, Energy Policy, and the Environmentally Preferable Procurement Policy (EP3). See Attachment A for correlation between Urban Accords and Green Vision. In addition, existing regulatory programs address many of the Accords' Actions. Based on staff's analysis, a majority of the Actions are currently being implemented in existing programs or will be part of anticipated initiatives.

The Accords encompass seven major categories. The following synopsis describes the categories, the status and proposed activities for each Action. A detailed workplan for the next five years is provided as Attachment B.

Energy/Climate Change: The three Actions related to energy and climate change are: expanding the use of renewable energy, reducing peak loads, and reducing greenhouse gas emissions.

Status: Existing and planned City policies and programs satisfy or exceed these Action requirements. Specific examples include:

- Implementing the City's Energy Policy,
- Implementing the Climate Action Plan, including municipal greenhouse gas reduction goals,
- Significant energy savings achieved at the San José/ Santa Clara Water Pollution Control Plant (Plant),
- The Green Fleet Policy,
- The Tree Preservation Program,
- Implementation of energy and climate-related components of the Green Vision,
- Green Streets Program.

Workplan: The Greenhouse Gas Reduction workplan, developing a community greenhouse gas reduction goal and implementation strategy are underway. Further energy efficiency, renewable energy options, and innovative technologies at the Plant, the largest municipal user of energy, will be explored through the Plant Master Plan process. Additional clean renewable energy sources will be considered through the implementation of the Green Vision.

Waste Reduction: The three Actions related to waste reduction are: implementing a recycling program, a zero waste policy, and reducing the use of disposable, toxic, or non-renewable products.

Status: Existing and planned City policies or programs satisfy several of these Action requirements. Specific examples include:

- San José recycles 62 percent of its waste. Additionally, the City recently implemented recycling at large events and venues,
- The Environmentally Preferable Procurement Policy (EP3) addresses reducing use of toxic products, increasing use of recycled content and re-usable or recyclable products, and considering life-cycle costs,

- Examination of Extended Producer Responsibility (product ‘take-back’) policies as a means to reduce the City’s costs for collection and disposal of Household Hazardous Waste (such as fluorescent bulbs) and environmental liability associated with improper landfill disposal of such items.

Workplan: These Actions will be achieved through: a redesign of the commercial recycling program, improvements to the Household Hazardous Waste program through the Las Plumas Eco-Park Master Plan, continued support of product stewardship and producer responsibility initiatives, and increased organics recycling, and implementation of the waste minimization components of the Green Vision. Additionally, the City is exploring a variety of waste to energy projects and is in the process of establishing cooperative agreements with local public schools to enhance waste reduction and recycling at their facilities as part of the GoGreen School programs.

Urban Design: The three Actions related to Urban Design are: advocate better urban design, green building policies and creating environmental jobs in low-income neighborhoods.

Status: Existing and planned City policies or programs satisfy several of these Action requirements. Specific examples include:

- The City’s 2020 General Plan and Green Building Policy including the recent update of the City’s Green Building Policy requiring new City-owned buildings over 10,000 square feet to meet at least LEED Silver standards,
- The City’s General Plan, Vision North San José, adopted community design and transportation guidelines,
- The Transit-oriented Development Guidelines,
- San José has been home to an Environmental Business Incubator since 1995 and through that has “hatched” over 75 environmental businesses providing local jobs.

Workplan: These actions will be further implemented through the Envision San José 2040 General Plan update which includes a Sustainability Guiding Principle.² The Green Vision focuses on creating a green energy and clean technology industry in San José, which will not only create many environmentally beneficial jobs but also create solutions to global environmental problems that can be used worldwide.

Urban Nature: The three Actions related to Urban Nature are: advocate for parks close to residents, creation of an urban tree canopy, and protecting habitat corridors.

Status: Existing and planned City policies or programs satisfy several of these Action requirements. Specific examples include:

- Existing habitat protection policies address the Action for protection of habitat corridors, in including the 2020 General Plan policies, Habitat Conservation Plan/Natural Community Conservation Plan (HCP/NCCP), Riparian Corridor Policy Study, Uplands, and Wetlands policy, Greenline/Urban Growth Boundary, and the Water Policy Framework,
- The Action related to parks is being addressed by the 2008 Greenprint update (Parks Master Plan) currently underway,
- The Action to increase San José’s street tree canopy is consistent with San José’s Tree Ordinance, the City’s Tree Preservation Program, and San José’s Tree City USA designation.

² Council Memo dated June 4, 2007 on Envision San José 2040 General Plan Update Work Program

Workplan: The Envision San José 2040 General Plan update will include the mechanisms to implement the Urban Environmental Accords and the Green Vision. City Departments will continue to collaborate with partners to achieve the urban canopy goal.

Transportation: The Actions related to transportation call for: creating transportation systems that facilitate public transit use by increasing public transit coverage, reducing single occupancy commute trips and reducing emissions from the municipal fleet.

Status: Existing and planned City policies or programs satisfy only one of these Action requirements.

- The Environmentally Preferable Purchasing Policy (EP3) includes Green Fleet language which has resulted in purchases of low emissions vehicles,
- Existing programs support the expansion of compressed natural gas (CNG) airport buses and alternative fuel vehicles at the airport.

Workplan: Substantial progress can be made on the remaining Actions to improve public transit and reduce commute trips. For instance, San José's Bicycle Master Plan (part of the General Plan) calls for a network of more than 300 miles of bicycle facilities, of which over 150 miles have been completed. Staff will work with VTA and other transportation-related organizations to make progress on these Actions as part of the City's efforts to reduce greenhouse gas and criteria pollutant emissions as well as implementing the Green Mobility focus of the Green Vision.

Environmental Health: The Actions that address environmental health include: eliminate harmful substances from municipal use, promote the use of local organic foods in city and school operations, and improve air quality by adopting an Air Quality Index.

Status: Existing and planned City policies or programs satisfy these Action requirements.

Specific examples include:

- Enhancement of existing Environmentally Preferred Purchasing policies (EP3),
- Integrated Pest Management (IPM) Projects using goats, owls and bats in pest management and weed control efforts,
- San José is also a member of the California Green Cities Initiative, which is using its collective buying power to help move the market towards more products with better environmental performance. Initiatives underway include recycled office paper, bottled water, and local organic food initiatives,
- San José Mineta International Airport is already encouraging organic food in its recent concessions Requests for Proposals (RFPs),
- The third Action to develop an Air Quality Index is currently being implemented by the Bay Area Air Quality Management District (BAAQMD).

Workplan: Planned tasks include: enhancing the existing EP3 program, promoting local and organic food through RFPs, implementation of the Las Plumas Eco-Park Master Plan, and positively influencing our local air quality through grant funded programs and cooperative public outreach with BAAQMD.

Water: The Accords address access to safe and affordable drinking water, promoting water conservation and water recycling.

Status: Existing and planned City policies or programs satisfy these Action requirements.

Specific examples include:

- The City's long-term partnership with the Santa Clara Valley Water District (Water District) has made significant progress on conservation and water recycling projects as well as protection of safe and affordable drinking water,
- The General Plan Sustainable City Major Strategy, the Water Policy Framework, regulatory requirements for the San José/Santa Clara Water Pollution Control Plant, the Water District's water treatment plant operations, the City's participation in the Santa Clara Valley Urban Runoff Pollution Prevention Program, and the Santa Clara Basin Watershed Management Initiative implement the Actions.

Workplan: The Green Vision calls for additional water recycling. The attached workplan includes: adoption of a City-wide water conservation plan, continued collaboration with the Water District on the Advanced Water Treatment Facility project for recycled water, and additional collaboration with water retailers.

The Accords provide an effective framework to implement the Green Vision and the Sustainable City Major Strategy. Through their implementation, San José can create a culture of sustainability, improve San José's environment, and demonstrate global environmental leadership in forging solutions to global environmental problems.

EVALUATION AND FOLLOW UP

Staff will report back to the Transportation and Environment Committee with a progress report in the fall of 2008 and at least annually thereafter, describing the status of Actions, linkages between programs, key achievements, forecasts and other relevant issues. Environmental Services Department performance measure annual reporting will include number of Accords implemented.

POLICY ALTERNATIVES

Alternative #1: Instead of adopting a goal to become a Global Sustainable City (accomplishing 19 to 21 Actions), adopt a Goal to become a Regional Sustainable City (accomplishing 16 to 19 Actions).

Pros: Designation as a Regional Sustainable City could be achieved by implementing no fewer than 15 of the Actions. Although this would require the coordination and alignment of many City activities, this would entail less staff time and fewer resources. If designation as a Regional vs. Global Sustainable City is the selected objective, the forgone Actions would likely include: Action 10 – Parks, Action 11 – Plant and maintain tree cover, and Action 17 – Promoting organic foods.

Cons: The City will be so close to achieving Global Sustainable City status through the pursuit of existing and planned activities that not reaching for this higher standard will lead to obvious missed opportunities for leadership, improving quality of life in the region, and responding to citizen interest.

Reason for not recommending: Through aligning existing efforts and resources achieving Global Sustainable City status is feasible within the 5-year timeframe of this initiative. There are significant direct and indirect benefits associated with striving for such ambitious outcome: leadership, prestige, streamlined and coordinated efforts within and between City departments, and most especially the lasting environmental and quality of life improvements that will result from the dedicated pursuit of these Actions. All of these benefits are within the City's reach.

PUBLIC OUTREACH/INTEREST

- Criteria 1:** Requires Council action on the use of public funds equal to \$1 million or greater.
(Required: Website Posting)
- Criteria 2:** Adoption of a new or revised policy that may have implications for public health, safety, quality of life, or financial/economic vitality of the City. **(Required: E-mail and Website Posting)**
- Criteria 3:** Consideration of proposed changes to service delivery, programs, staffing that may have impacts to community services and have been identified by staff, Council or a Community group that requires special outreach. **(Required: E-mail, Website Posting, Community Meetings, Notice in appropriate newspapers)**

The Environmental Services Department website includes information on the Urban Environmental Accords. Several public inquiries have resulted from this website, as well as inquiries from other signatory cities. Several Actions require outreach, as the public will have a role to play in their successful implementation. Outreach needs will be developed as part of the work planning effort.

COORDINATION

This report and recommendation were coordinated with the following City departments: Environmental Services, Office of Economic Development, Transportation, Library Department, Parks, Recreation and Neighborhood Services, Police, Public Works, General Services, Fire, the San José Redevelopment Agency, Finance, Planning, Building and Code Enforcement, Airport, and Attorney's Office.

HONORABLE MAYOR AND CITY COUNCIL

10-09-07

Subject: Urban Environmental Accords Implementation Workplan

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COST SUMMARY/ IMPLICATIONS

Resource needs for implementing the Actions have been identified in the attached workplan. As part of the annual budget process, specific workplan items will be brought forward for approval by individual Departments.

CEQA

Not a project.



JOHN STUFFLEBEAN
Director, Environmental Services

Attachment

For questions, please contact Kerrie Romanow, Chief Deputy Director Environmental Services, at (408) 535-8552.

Correlation between the Urban Environmental Accords and the Green Vision XX = primary connection x = secondary relationship		GREEN VISION GOALS (by 2022)									
		1 25,000 Clean Tech jobs	2 reduce per capita energy use by 50%	3 100% of electricity from renewables	4 50 M square feet of green buildings	5 divert 100% of waste/waste to energy	6 beneficially use 100% of wastewater	7 sustainable general plan	8 100% of public fleet on alternate fuels	9 100,000 trees and smart lighting	10 100 miles of interconnected trails
URBAN ENVIRONMENTAL ACCORDS (mostly by 2012)											
Energy											
1	10% renewable energy	x		XX	x	x		x	x	x	
2	reduce peak by 10%	x	x		x					x	
3	reduce greenhouse gas by 25% (by 2030)	x	XX	x	x	x	x	x	x	x	x
Waste Reduction											
4	zero waste (by 2040)	x	x	x	x	XX		x			
5	reduce the use of toxics	x			x	x		x			
6	user-friendly recycling program	x		x	x	x		x			
Urban Design											
7	green building policy	x	x	x	XX	x	x	x		x	
8	smart growth	x	x	x	x	x	x	XX		x	x
9	low-income eco-jobs	XX	x	x	x	x		x			
Urban Nature											
10	parks within 1/3 mile of all (by 2015)		x					x			x
11	tree canopy to 50%		x		x			x		XX	
12	protect habitat corridors	x						x	x	x	XX
Transportation											
13	transit within 1/3 mile of all (by 2015)		x		x			x			x
14	reduce fleet emissions by 50%		x	x					XX		
15	reduce SOV trips by 10%	x	x		x			x			x
Environmental Health											
16	reduce or eliminate a toxic	x			x	x					
17	local organic food at city facilities		x								
18	reduce unhealthy days by 10%	x	x	x	x	x		x	x	x	x
Water											
19	reduce water consumption by 10% (by 2015)	x	x		x			x	x		
20	protect the water supply	x				x	x	x			x
21	expand recycled water use by 10%	x	x		x		XX	x		x	x

ATTACHMENT B:
URBAN ENVIRONMENTAL ACCORDS IMPLEMENTATION WORKPLAN

Ongoing/Short-term Actions (begin in FY 2007-2008)

Medium-term Actions (begin in FY 2008 – 2012)

Long-term Actions (begin in FY 2013 – 2030)

Accord Action	Linked Policies/Initiatives and ongoing activities	Existing & Proposed City Goals	Future Activities	Timeframe	Resource Needs	Benefits	Implementing Departments/ Agencies
Action 1. Adopt and implement a policy to increase the use of renewable energy to meet ten percent of CSJ's peak electric load within 7 years.	City Energy Policy	Green Vision goal: by 2022, source 100% of City power from renewables.	Continue local government partnership with PG&E	Short-term	No resource needs beyond those currently dedicated.	Reduced greenhouse gas (GHG) emissions	Environmental Services
	Sustainable City Major Strategy		Solar Assessment Analysis	Short-term		Less demand for petroleum supplies.	General Services
	Most of the jurisdiction's power comes from PG&E with 12% of their energy from renewable sources. The Airport receives energy from the City Santa Clara more than 10% of which comes from renewable sources.		DOE Solar America Initiative—Solar Road Map development.	Short-term			
	San José/Santa Clara Water Pollution Control Plant (Plant) as largest energy user is already using mostly renewable energy.		Explore further use of renewable energy as part of the Plant Master Plan	Medium to Long Term			
Action 2. Adopt & implement a policy to reduce CSJ's peak electric load by 10 percent within 7 years	City Energy Policy	Green Vision goal: Conserve 50% of current electrical energy use by 2022.	Ongoing activities with additional energy use reduction. Analysis of demand response/load shifting and conservation measures.	Short-term	No resource needs beyond those currently dedicated.	Financial savings Reduced GHG emissions.	Environmental Services General Services

Accord Action	Linked Policies/Initiatives and ongoing activities	Existing & Proposed City Goals	Future Activities	Timeframe	Resource Needs	Benefits	Implementing Departments/ Agencies
through energy efficiency, shifting the timing of energy demands, and conservation measures.	Use of rebate funds for further energy efficiency activities		Local Government Partnership Program with PG&E Plant Master Plan will investigate further energy reductions	Short Term Medium to Long Term			
Action 3. Adopt a citywide greenhouse gas reduction plan that reduces the jurisdiction's emissions by 25% by 2030 and which includes a system for accounting and auditing greenhouse gas emissions.	US conference of Mayors Climate Protection Agreement: City Energy Policy Sustainable City Major Strategy. Green Fleet program Tree Preservation Program	Green Vision goal: Achieve the adopted municipal greenhouse gas emission reduction goals and as a region exceed the state's emissions reductions goals by 25%. Municipal Goals: 2012: GHG emissions 25% below 1990 levels 2015: GHG emissions 30% below 1990 levels 2020: GHG emissions 35% below 1990 levels 2030: GHG emissions 50% below 1990 levels 2045: GHG emissions below 80% below 1990 levels	Work with regional climate change organizations to determine best approach for developing a community greenhouse gas reduction goal. Report on Municipal Climate Action Plan due in Spring, 2008. Increased tree planting program with Our City Forest. Investigate shade tree program with PG&E. Green Streets Program	Short-term activities	Budget requirements to be determined.	San José leadership in addressing global warming which will significantly impact the City. Improve livability	ESD All departments Regional cooperation VTA, MTC, BAAQMD, etc. Community (business, neighborhood and environmental groups)
Action 4. Establish	Integrated Waste	State requirement:	Adopt a resolution	Short-term	The Zero Waste	Waste reduction,	ESD

Accord Action	Linked Policies/Initiatives and ongoing activities	Existing & Proposed City Goals	Future Activities	Timeframe	Resource Needs	Benefits	Implementing Departments/ Agencies
a policy to achieve zero waste to landfills and incinerators by 2040.	<p>Management Plan</p> <p>San José Source Reduction and Recycling element, Household Hazardous Waste Element</p> <p>Santa Clara County Household Hazardous Waste Program</p> <p>Watershed Protection Policies</p> <p>Environmentally Preferable Procurement Policy (EP3)</p> <p>CSJ's landfill contracts expire at the end of 2020, with a possible extension; existing landfills within the City will reach capacity by 2030 without increased diversion.</p> <p>Product Stewardship Council participation</p>	<p>50% diversion</p> <p>Green Vision goal: achieve zero waste (meaning 90% diversion) and explore conversion of solid waste to energy by 2022</p>	<p>establishing a 75% waste diversion goal by 2013, and a zero waste goal by 2025.</p> <p>Complete waste characterization studies and return to the Transportation & Environment Committee with those results in August 2008.</p> <p>Continue large event recycling begun in summer, 2007.</p> <p>Sign onto California Product Stewardship Council.</p> <p>Solid Waste Infrastructure Report</p> <p>Implement next set of residential contracts in 2013 and work on creating zero waste by 2025.</p> <p>Explore Waste to Energy projects</p>	<p>activities</p> <p>Short-term activities</p> <p>Long-term activity</p> <p>Short-term activity</p> <p>Medium term activity</p> <p>Long-term activities</p>	<p>Policy and the IWM Master Plan will be prepared using available staff and resources and with stakeholder participation from the Business Community, manufacturers, residents, and other City departments. Resources required for implementation of the Zero Waste Policy will be projected in the IWM Master Plan; they will be substantial.</p>	<p>resource conservation, prolonged landfill life, potential health and safety benefits. Local job creation in processing and secondary manufacturing; potential for renewable energy and fuel production; Environmental Leadership for San José.</p>	<p>Attorney's office</p> <p>Other City Departments that generate waste</p> <p>Residents</p> <p>Business Community</p> <p>Solid Waste Industry</p> <p>County of Santa Clara</p>
Action 5. Adopt a citywide law that reduces the use of a disposable, toxic, or	The City participates in California Product Stewardship Council.	No existing City goal	Analyze potential for ordinances that would reduce use of toxic products.	<p>Short-term activities</p> <p>Short and</p>	Staff time to pursue city, regional, state-wide action	Supports required pollution prevention	ESD Environmentally Preferable Procurement

Accord Action	Linked Policies/Initiatives and ongoing activities	Existing & Proposed City Goals	Future Activities	Timeframe	Resource Needs	Benefits	Implementing Departments/ Agencies
<p>non-renewable product category by at least 50 percent in 7 years.</p>	<p>Santa Clara County Household Hazardous Waste Program; Watershed Protection Policies; Environmentally Preferable Procurement Policy; Integrated Waste Management Plan.</p>		<p>Pursue state-level action and coordinate regionally.</p>	<p>medium term activity</p>		<p>programs; prolongs landfill life with reduced trash; health and safety benefits; promotes product environmental performance improvements.</p> <p>Trash is increasingly being regulated through urban runoff permits in the State.</p> <p>Save staff time on removing trash.</p>	<p>Policy team (EP3) CAO Council</p>
<p>Action 6. Implement "user-friendly" recycling and composting programs, with the goal of reducing by 20% per capita solid waste disposal to landfill and incineration in seven years.</p>	<p>Integrated Waste Management Plan San José Source Reduction and Recycling Element and Household Hazardous Waste Element Santa Clara County Household Hazardous Waste Program; Garbage and Recycling Programs have achieved State-approved diversion rates of 62% since 2000.</p>	<p>State goal is 50% diversion. Green Vision goal: achieve zero waste (meaning 90% diversion) by 2022, explore conversion of solid waste to energy.</p>	<p>Adopt Zero Waste Policy Commence development of Integrated Waste Management Master Plan. Las Plumas Eco-Park Master Plan approval. Overhaul the City's commercial solid waste program to achieve zero waste in downtown.</p>	<p>Short-term activities Short-term activity Medium term activity Medium term activity</p>	<p>Resource needs for Las Plumas to be determined in its Master Planning Process. No additional needs beyond those already committed to IWM programs.</p>	<p>Prolonged landfill life. Resource conservation. Pollution prevention.</p>	<p>Environmental Services</p>

Accord Action	Linked Policies/Initiatives and ongoing activities	Existing & Proposed City Goals	Future Activities	Timeframe	Resource Needs	Benefits	Implementing Departments/ Agencies
	Reuse of soil from construction activities Fluorescent bulb disposal campaign GoGreen School Program		Commercial Program Redesign Continue large event recycling Outreach on fluorescent bulb recycling. Increased organics recycling	Short and medium term activity On-going Medium-term activity Medium-term activity			
Action 7. Adopt a policy that mandates a green building rating system standard that applies to all new municipal buildings.	City Green Building Policy	Green Building Policy: All new City-owned buildings over 10,000 square feet must meet LEED Silver specifications as a minimum with a goal of Gold certification. Green Vision goal: achieve 50 million square feet of LEED/carbon-neutral buildings in San José.	Ongoing activities The new libraries are meeting the LEED silver standard at a minimum.	On-going activities	No resource needs beyond those already committed in 07/08 budget.	Improved environmental performance of municipal buildings: energy, water conservation, reduced GHG emissions. Better occupant health and safety.	Environmental Services, General Services, Department of Public Works, PRNS, Library, Fire, Police, Airport, San José Redevelopment Agency
Action 8. Adopt urban planning principles and practices that advance higher density, mixed use,	The San José 2020 General Plan, Vision North San José and North San José Urban Design Guidelines; Downtown Strategy Plan 2000; Greenline/Urban	PBCE: goals are under development. Specific Plans address this.	Envision San José 2040 General Plan update, "Sustainability Guiding Principle" Housing Element	Short-term activities	None beyond those already committed.	Improved utilization of alternative transportation, energy conservation,	PBCE ESD San José Redevelopment Agency Other agencies:

Accord Action	Linked Policies/Initiatives and ongoing activities	Existing & Proposed City Goals	Future Activities	Timeframe	Resource Needs	Benefits	Implementing Departments/ Agencies
walkable, bikeable and disabled-accessible neighborhoods which coordinate land use and transportation with open space systems for recreation and ecological restoration.	Growth Boundary Urban Runoff C3 requirements/ Hydromodification plan (HMP) Transit Oriented Development (TOD) Guidelines VTA's community Design and transportation guidelines	Green Vision: Sustainable development goal – to be developed.	update CDT grant from VTA	Medium-term activity Short-term activity		reduced GHG emissions, habitat conservation, improved air quality.	Santa Clara County, VTA, BART, MTC, ABAG
Action 9. Adopt a policy or implement a program that creates environmentally beneficial jobs in slums and/or low-income neighborhoods.	Economic Development Major Strategy; Environmental Business Cluster; Recycling processing jobs; Water Pollution Control Plant jobs; Electronic Transportation Development Center; Efforts to create a “green driving industry” in San José.	Green Vision: create 25,000 new jobs in the CleanTech sector by 2022.	Las Plumas Eco-Park Master Plan. Continue existing programs.	Short-term activities	Staff time and resources as listed in the Las Plumas Master Plan and for existing programs.	Social, economic and environmental benefits supporting Sustainability Principle	SJRDA OED ESD PBCE Environmental Business Cluster
Action 10. Ensure that there is an accessible park or recreational open space within half-a-kilometer (1/3 mile) of every city residents by 2015.	The GreenPrint - the Parks masterplan - is currently under revision and striving to meet this goal. General Plan policies Based on the 2000 Greenprint data, there are 26 areas in San José that do not meet the current walking	Current goal is to have a park within ¼ mile of every resident.	Development of the GreenPrint. The GreenPrint will analyze recreational school grounds that could contribute to achieving this action. As per GreenPrint, complete parks	Short-term activities Medium-term activity	Resources required for this item will be analyzed as a component of the 2008 Greenprint update.	Improved quality of life for residents. Increase attractiveness of San José to potential residents and businesses.	PRNS

Accord Action	Linked Policies/Initiatives and ongoing activities	Existing & Proposed City Goals	Future Activities	Timeframe	Resource Needs	Benefits	Implementing Departments/ Agencies
	distance standard (3/4 mile). Staff anticipates that this gap could double by moving to 1/3 of a mile. There are 179 parks in San José.		development that creates parks/open space with 1/3 mile of all City residents by 2015.	Long-term activities			
Action 11. Conduct an inventory of existing canopy coverage in the city; and then establish goal based on ecological and community consideration to plant and maintain canopy coverage in not less than 50% of all available sidewalk planting sites.	City of San José Tree Ordinance; CMO Tree Preservation Program (2007); 306,000 existing street trees with 60,000 available sites; Tree-City USA status; Our City Forest Programs financed in part by DOT and primarily by the State. Upcoming PG & E shade tree initiative	Green Vision: Plant 100,000 new trees by 2022 (18 per day).	Conduct a street tree canopy study to develop a baseline. (Contract has been issued.) Establish an urban forest canopy goal. Update State of the Urban Forest Report. Applying for \$200,000 Prop 40 funds for street tree inventory, including vacant planting sites. Tree Policies are being revised under the Tree Preservation Program. Conduct tree planting and maintenance in available sidewalk planting sites.	Short-term activities Short-term activity Medium term activity Short-term activity Short term activity Medium and long-term activity	LIDAR data for permeable surfaces (already budgeted) Volunteers to verify that there are no conflicts from utilities, signs, lights, signals, driveways for tree planting ~\$15k for GIS data entry / coordination. Continued grant funding for non-profit organization(s) to plant trees. Matching funds for Prop 40 grant	Consistent with greenhouse gas and energy conservation actions, Reduce urban heat island effects, Pollution prevention, improved appearance/ higher property values, enhanced water conservation and flood protection, habitat.	DOT ESD PBCE PRNS PW CalFire Our City Forest
Action 12. Pass legislation that	General Plan Policies; Habitat Conservation	Green Vision: by 2022, achieve 100	PBCE: continue development of	Short-term activities	No additional needs in 07/08.	Habitat protection,	Environmental Services

Accord Action	Linked Policies/Initiatives and ongoing activities	Existing & Proposed City Goals	Future Activities	Timeframe	Resource Needs	Benefits	Implementing Departments/ Agencies
protects critical habitat corridors and other key habitat characteristics (e.g. water features, food-bearing plants, shelter for wildlife, use of native species, etc.) from unsustainable development.	Plan/Natural Community Conservation Plan (HCP/NCCP); Riparian Corridor, Uplands, Wetlands policy; Greenline/Urban Growth Boundary; Water Policy Framework; Sustainable City Major Strategy; Guadalupe River Park; Water Resources Protection Collaborative – Guidelines and Standards; ABAG cooperation; Williamson Act to preserve farmland.	miles of new interconnected trails	HCP/NCCP. Implement best practices for development along creeks. Envision 2040 General Plan update ESD: outreach efforts and participation in Watershed Management Initiative.		Future Budget requirements to be determined.	maintenance of biodiversity.	PBCE Intergovernmental Relations PRNS DOT Public Works Other agencies: Santa Clara Valley Water District County of Santa Clara
Action 13. Develop and implement a policy which expands affordable public transportation coverage to within half-a-kilometer of all city residents in ten years.	General Plan Transportation Policy VTA provides public transit in the City and focuses on those areas with the most demand. Over 80% of residential areas meet the ½ km criteria (VTA is now changing the policy to one based on need). The remaining areas are low-density areas. Transit oriented development Policies	DOT has several 5 year goals to 2012) to complete 60% of planned bikeways, reduce vehicle travel by planning future development along transit corridors. Green mobility in Green Vision.	Pursue option of expanding para transit or community transit options to all City residents ABAG/MTC focus program	Not recommended for full implementation, except medium term activities listed	Significant costs	Consistent with climate protection activities, increased quality of life for residents, improved air quality.	VTA DOT ESD PBCE
Action 14. Pass a law or implement a program that eliminates leaded	Incentives to some residential waste haulers to use biodiesel; Pilot Environmental	Green Vision goals: Ensure that 100% of public fleet vehicles run on alternative	Implement Green Fleet Policy to reduce harmful emissions from City fleets.	Short-term activities	Staff time and training Grant funds to	Improved air quality, potential cost savings in the long-term	Fleet Managers, Airport, General Services, Purchasing,

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gasoline (where it is still used); phases down sulfur levels in diesel and gasoline fuels, concurrent with using advance emission controls on all buses, taxis, and public fleets to reduce particulate matter and smog-forming emissions from those fleets by 50% in 7 years.	Management System addressing fleets; Green Fleet Policy; Numerous municipal efforts including many alternative fuel vehicles, 100% of the City diesel fleet is running on B – 5 biodiesel (35% of total fleet), CNG Airport buses, diesel retrofit project to reduce exhaust particulates, and alternative fuel taxis at the Airport. City’s EP3 policy calls for “best available reduction” in emissions when purchasing non-emergency fleet vehicles.	fuels.	Require Commercial Waste Haulers to use biodiesel with redesign of commercial system in 2009. Transition City diesel fleet to B – 10 biodiesel. Continue to engage VTA and taxi fleets	Ongoing activity Medium-term activity Medium and long-term activity	accelerate removal of older/high mileage City vehicles. Incentives and information infrastructure improvements that assist private fleet/vehicle owners with alternative fuel vehicles.	from reduced use of gasoline, consistent with Greenhouse Gas Reduction Goal and Climate Action Plan process.	Environmental Services VTA Commercial Waste Haulers
Action 15. Implement a policy to reduce the percentage of commute trips by single occupancy vehicles by 10% in seven years.	Bicycle Master Plan (part of General Plan) Energy Policy General Plan Silicon Valley Bicycle Coalition Spare the Air Days San José area has single occupancy commute percentage of 87%, transit use is 3.2%.	DOT goals: by 2012, 60% of the planned bikeway network will be complete; residents are satisfied with the traffic flow on City streets. Green Vision: by 2022, achieve 100 miles of new interconnected trails	Extension of BART would significantly influence transit ridership. Completion of bike trail system in San José.	Long-term activity Long-term activity Overall, not recommended for implementation	Significant staff and financial resources needed. Included in Bicycle MasterPlan	Consistent with climate protection activities, increased quality of life for residents, improved air quality	ESD DOT PBCE
Action 16. Every year, identify one product, chemical, or compound that is used within the City that represent the	Environmentally Preferable Procurement Policy; Pollution Prevention Policy/City Pesticide Management Plan; Watershed Management	The EP3 team has adopted this goal.	Complete the conversion of city fleet from diesel to biodiesel. Continued implementation of EP3,	Short-term activities On-going	No staff needs beyond those already committed to EP3.	Improved environmental performance of municipal operations. Enhanced	Environmental Services Finance Other departments,

Accord Action	Linked Policies/Initiatives and ongoing activities	Existing & Proposed City Goals	Future Activities	Timeframe	Resource Needs	Benefits	Implementing Departments/ Agencies
greatest risk to human health and adopt a law and provide incentives to reduce or eliminate its use by the municipal government.	Initiative; California Green Cities Initiative California Product Stewardship Council		Green Building Policy, pollution prevention programs. Create plan for what to ban annually. San José/Santa Clara Water Pollution Control Plant chlorine initiative and Master Plan project California Green Cities City initiative: office paper and bottled water initiatives	activity Short-term activity Medium-term activity On-going activity	Potential financial requirements for “green” items with better environmental performance.	environmental image for San José	depending on products.
Action 17. Promote the public health and environmental benefits of supporting locally grown organic foods. Ensure that 20% of all city facilities (including schools) serve locally grown and organic food within seven years. (local = California)	Sustainable City Major Strategy Go Green (Schools) Initiative EP3 Several local farmers markets serve the community. PRNS Senior and school Food Programs (no local organic requirements) SJUSD: now has a “farm to school” program to create partnerships with local farmers to educate students	Green Cities California has adopted a goal to only procure local (from within California) foods. To be implemented in late 2007.	Promote the use of organic foods incorporated into Airport concessions. Set up a process to have City/RDA contracts promote California grown organic food Work with City departments that offer food programs such as PRNS Additional outreach to school districts	Short-term activities Medium-term activity Short and medium term activity Medium-term activity	Staff time to write policies and procedures and liaison with school districts Potential additional costs for contracts	Supports sustainable City major strategy, local business/agriculture Improved water and air quality due to reduced use of agricultural chemicals	ESD Fairmont Hotel PRNS Libraries CAE SJRDA OED Airport (Apply this Action to City facilities as we have no jurisdiction over schools.)

Accord Action	Linked Policies/Initiatives and ongoing activities	Existing & Proposed City Goals	Future Activities	Timeframe	Resource Needs	Benefits	Implementing Departments/ Agencies
	and get produce into schools. San José Community Gardens required to be organic. California Green Cities Initiative						
Action 18. Establish an Air quality Index (AQI) to measure the level of air pollution and set the goal of reducing by 10% in seven years the number of days categorized in the AQI range as “unhealthy” or “hazardous.”	Sustainable City Major Strategy City Energy Policy Pollution Prevention Policy VTA Ecopass program/other employee based transit subsidies MTC commute assistance Woodburning stove ordinance BAAQMD: Air Quality Index, 2007 Ozone Strategy and other initiatives	The City has not established air quality goals.	Adopt the BAAQMD’s AQI. Explore more robust approaches to positively influence local air quality Investigate incentives to increase public transit ridership by City employees	Short-term activities Medium-term activity Medium-term activity	Budget requirements to be determined.	Improved air quality for City residents. Public Health benefits	Bay Area Air Quality Management District Environmental Services VTA, MTC
Action 19. Develop policies to increase access to adequate and safe drinking water aiming at access for all by 2015. For cities with potable water	Water Policy Framework; Sustainable City Major Strategy; San José/Santa Clara Water Pollution Control Plant permit includes requirements for reducing discharge flows.	The City is considering a goal to achieve 30,000 acre feet of additional water conservation by 2030. CSA outcome to maintain a safe,	Ongoing Water Conservation Programs in cooperation with the Water District. Adopt and implement San José Water Conservation Plan.	Short-term activities	Budget for conservation programs (approx. \$750,000 in FY 0708).	For City: less need for water infrastructure; more ensured supply, less wastewater to be discharged.	Environmental Services Santa Clara Valley Water District

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consumption greater than 100 liters per capita per day, adopt and implement policies to reduce consumption by 10% by 2015.	Water Efficiency Program South Bay Water Recycling Program	sufficient, reliable water supply and accompanying goals such as volume of recycled water distributed, water quality goals.	Increase outreach. More fully incorporate water conservation into Planning and development. Increased collaboration with water retailers.	Short- and medium term activity Medium-term activity		For residents: lower water, energy and sewer bills; more ensured supply. For environment: more water for environment such as streamflows, less wastewater.	
Action 20. Protect the ecological integrity of the city's primary drinking water source (i.e. aquifers, rivers, lakes, wetlands and associated ecosystems).	Water Policy Framework Urban Runoff Pollution Prevention Program Collaboration with the Water District.	CSA outcome to maintain a safe, sufficient, reliable water supply. Green Vision goal: achieve 100% beneficial reuse of wastewater (50 mgd)	Continue implementation of existing programs.	On-going activities	No additional resources required.	Maintain the quality of our water supply.	Environmental Services Santa Clara Valley Water District Santa Clara Valley Urban Runoff Pollution Prevention Program State Department of Water Resources
Action 21. Adopt municipal wastewater management guidelines and reduce the volume of untreated wastewater discharge by 10% in seven years through the	South Bay Water Recycling Program Urban Runoff Pollution Prevention Program Watershed Management Initiative Action Plan Recycled water deliveries at over 10 mgd in summer	Green Vision goal: achieve 100% beneficial reuse of wastewater (50 mgd) 5 year recycled water goal established in 0708: 23 mgd	Continue implementation of existing programs. Collaboration on Advanced Water Treatment Facility for Recycled Water.	On-going activities Short to Medium Term activities.	No additional resource needs beyond those already committed to achieve this Action. Advanced Water Treatment	Reduced volume of freshwater discharge to the Bay.	Environmental Services Santa Clara Valley Urban Runoff Pollution Prevention Program. Watershed Management

Accord Action	Linked Policies/Initiatives and ongoing activities	Existing & Proposed City Goals	Future Activities	Timeframe	Resource Needs	Benefits	Implementing Departments/ Agencies
expanded use of recycled water and the implementation of a sustainable urban watershed planning process that includes participants of all affected communities and is based on sound economic, social, and environmental principles.	months. Collaboration with the Water District.				Facility cost-sharing.		Initiative. Santa Clara Valley Water District

Table 2: Sustainable City Designations

Number of Actions Achieved	Sustainable City Designation	
8 – 12	Local Sustainable City	Achieved by Actions in Table 1 (11)
13 – 15	National Sustainable City	Achieved with at least two Actions from Table 2 (5)
16 – 18	Regional Sustainable City	Achieved with at least one Action from Table 3 (3)
19 – 21	Global Sustainable City	Achieved with all Actions in Tables 1 - 3