

Memorandum

**TO: Envision San José 2040
Task Force**

FROM: Andrew Crabtree

**SUBJECT: October 19, 2009
TASK FORCE MEETING**

DATE: October 12, 2009

This memo provides information to assist you in preparing for the October 19, 2009 Envision San José 2040 Task Force Meeting.

Agenda Item 3 – Review Consent Items – Proposed Goals, Policies and Implementation Actions

The Task Force has been provided with draft goals, policies and implementation actions for several General Plan topics related to Environmental Leadership (Water Supply, Recycling / Zero Waste, Energy Supply and Conservation, Green Building and Clean Technology). Each of these documents has been prepared through extensive coordination with staff in multiple City departments and build upon the City's existing policies to further the Envision San José 2040 Environmental Leadership key element. The Goals, Policies and Implementation Actions for Water Supply have been revised to incorporate the feedback received from the Task Force at the September 28th Task Force meeting.

Task Force members will be asked to identify which of the proposed goals, policies or implementation actions are of interest for further discussion. All remaining items (e.g., the proposed Goals, Policies and Implementation Action Items which are not specifically identified) will be considered to have received the endorsement of the Task Force as "consent" items. Task Force members can make recommendations for modification of the proposed goals and/or policies related to the identified topics. Following an opportunity for comment by members of the public (Agenda Item 5), the Task Force will then have an opportunity to further discuss and vote on those recommendations as well as endorse the consent items (Agenda Item 6).

Agenda Item 4 – Environmental Leadership – Proposed Policies to Address Global Climate Change and Green Vision Goal #7

Global Climate Change

State law (AB32) requires that local jurisdictions consider global climate change and specific measures to address the reduction of greenhouse gas (GHG) emissions as part of the General Plan Update process. The City is preparing a Climate Action Plan which meets these requirements concurrently with the Envision process. A draft of the Climate Action Plan is anticipated to be available for review by the Task Force and members of the public in June of 2010. The Climate Action Plan will be based in large part upon the contents of the General Plan Update, as the preferred Land Use Scenario and the draft goals, policies and implementation actions will be the basis for analyzing San José's future GHG emissions and will serve to identify the specific measures that the City will take to reduce those

emissions (see additional packet materials). The GHG reduction goals being proposed by City staff would meet or exceed the requirements being set forth under AB32.

The City's specific GHG reduction targets are also incorporated into the Green Vision 2040 goals discussed below. Staff is currently recommending targets based on a community-wide target baseline year of 2005 as follows:

2015: GHG emissions 15% below baseline year

2020: GHG emissions 20% below baseline year

2030: GHG emissions 35% below baseline year

2040: GHG emissions 65% below baseline year

These targets are intended to represent the highest level reasonably achievable by the City. They exceed the State's requirements, per AB32, and will therefore continue to support San José's Environmental Leadership role. As noted, numerous policies and land use decisions will need to be used in concert to achieve these GHG reduction targets. As transportation is a significant contributor to GHG emissions, the selection of a preferred Land Use Scenario, scheduled to take place by March 2010, and the traffic analysis prepared for that scenario, will play a key role in the analysis of the City's ability to meet these targets and may ultimately influence the Task Force recommendation for specific target numbers.

The Task Force is being provided with this information as important background context and to facilitate their ongoing discussion and decision making process as described in the Envision Task Force Work Program.

Green Vision 2040

On October 30, 2007, the San José City Council adopted the Green Vision, "a fifteen-year plan to transform San José into a world center of Clean Technology innovation, promote cutting-edge sustainable practices, and demonstrate that the goals of economic growth, environmental stewardship and fiscal responsibility are inextricably linked." The Green Vision includes 10 goals to be achieved by the year 2022. One of these goals specifically addresses the General Plan Update process:

Goal 7: Adopt a General Plan with measurable standards for sustainable development.

The community-based General Plan Update, currently underway, provides an opportunity to establish sustainability goals beyond the 15 year Green Vision. The Envision San José 2040 General Plan will be a blueprint for the future of the city, identifying land uses, transportation systems and connections, open space, natural resource protections, etc. The Plan will also address the provision of critical services, such as police and fire protection, parks, etc., to ensure a balanced and well-functioning city. This Plan builds on prior efforts by exploring opportunities for residents and employees to walk or bicycle to retail, entertainment venues, parks, and schools throughout the city. The General Plan Update, Envision San José 2040, will include clear and measurable standards for sustainable development.

Accordingly, the Envision process should consider: 1) "measurable standards for sustainable development" and 2) sustainability goals for San José that extend to 2040. Because the current Green Vision goals address a wide variety of General Plan topic areas, measurable standards and goals developed for the Envision process will be incorporated into goal, policy and action sections

throughout the General Plan text, including the sections already reviewed or currently being reviewed by the Task Force.

The Task Force will be asked to consider a proposed set of goals which extend the Green Vision to 2040. In some cases specific numbers are being provided which reflect the continuation of current City policies as well as the input of the Task Force. In other cases, the Task Force is being asked to consider and provide input on what items to measure with the understanding that the specific numeric target will be determined later in the Envision process.

It is challenging to extend the Green Vision goals beyond 2022 to 2040 for several reasons, including the already ambitious nature of the goals set forth for 2022 and the uncertainty associated with anticipating the nature of San José's growth 30 years into the future. With this challenge in mind, the proposed Green Vision 2040 goals are intended to be reasonable and ambitious, consistent with the approach used in developing the goals for Green Vision 2022. The proposed Green Vision 2040 goals are summarized in a separate packet handout and also briefly discussed below.

Clean Tech

- Clean Tech Provide for the creation of 50,000 new Clean Tech jobs by 2040.
- Provide (TBD) acres of land suitable for the development of light or heavy industry type Clean Tech jobs.

The four Land Use Study scenarios selected by the Task Force include job growth capacity ranging from approximately 350,000 to 530,000 new jobs. All four scenarios anticipate that between 400 and 500 acres of land in Alviso (currently WPCP buffer lands) could be made available for future industrial use supporting up to 21,000 new jobs with a potential focus on Clean Tech industries. Based upon the Envision Industrial Lands Demand Analysis completed earlier this year, particular portions of the planned job growth capacity in North San Jose (85,000 to 97,000 new jobs) and Edenvale (38,000 to 48,000 new jobs) are expected to be suitable for Clean Tech industries. The proposed target for 50,000 new jobs anticipates that San Jose will be successful in achieving at least the Association of Bay Area Governments (ABAG) forecast portion of the planned job growth by 2040 and that Clean Tech will occupy a growing share of that job growth, increasing from approximately 4% of the job growth forecast for 2020 to 7% of the job growth forecast for 2040.

Energy

- Maintain net aggregate energy consumption levels equivalent to 2022 (Green Vision) level.
- Continue to receive 100% of electrical power from clean renewable sources.

The Green Vision 2022 goal includes a reduction in per capita energy consumption to 50% of 2008 levels. The proposed goal will maintain the City's total energy consumption levels at a constant from 2022 forward as the City's employment and population continues to grow. This will require increased conservation and efficiency.

Green Building

- Build or retrofit an additional 50 million square feet for a total of 100 million square feet of green building by 2040.

The Green Vision 2022 goal calls for the construction or retrofit of 50 million square feet according to Green Building standards by 2022. Since in the future all new construction will likely be considered to meet today's Green Building standards, and the forecast amount of job and housing growth is likely to generate at least 100 million square feet of new construction (equivalent to build-out of the Land Use

Study Scenario #1 with very conservative assumptions about square footage per resident/employee) adding an additional 50 million square feet is a relatively modest proposal that represents a continued commitment to use Green Building techniques. It is quite possible that the definition of Green Building techniques will evolve over the next several years, so that it will be necessary to reconsider and update this goal as time progresses.

Greenhouse Gas Emissions

- Reduce total Greenhouse Gas Emission in San José from 2005 levels: 20% by 2020, 35% by 2030 and 65% by 2040.

The proposed GHG reduction targets are set at a level to exceed the State requirements, insuring that San José will continue to demonstrate Environmental Leadership.

Land Use

- Reduce PMT (People Miles Traveled regardless of mode) per capita by TBD% through improved access to services and urban design measures.
- Increase to TBD% of jobs and TBD% of population located within ½ mile of transit.
- Increase access so that TBD% of population is within ½ mile of schools, parks, and retail services including grocery stores and restaurants

Staff is suggesting several Green Vision 2040 goals related to Land Use with specific targets for each goal to be determined based upon the selection of a Preferred Land Use Scenario. These goals are intended to advance the Green Vision 2022 goal for a measurable General Plan and to reflect the values and interests of the Task Force related to environmentally beneficial community building. The Task Force may choose to suggest additional types of measures/goals or to modify the proposed goals.

Transportation

- Reduce VMT per capita by TBD% by 2040
- Create 500 miles of bikeways and interconnected trails in combination.
- Increase non-single occupant automobile mode share (including targets for transit, bicycle, walk, and carpool mode shares to be determined based upon preferred land use scenario and proposed transportation policies) for commute to work to TBD%.

As with the Land Use goals, specific targets for the Green Vision 2040 Transportation goals will depend upon the selection of a Preferred Land Use Scenario. This scenario, along with the specific Transportation goals, policies and actions scheduled to be developed by the Task Force at the December Task Force meeting, will be input into a traffic modeling analysis which will in turn provide specific output that will be used to set aggressive targets. The proposed goals were selected to reflect indices that would be both measurable and meaningful.

Urban Forest

- Plant an additional 150,000 trees between 2020 and 2040.

The proposed goal would continue and slightly accelerate the already ambitious Green Vision 2022 goal of planting 100,000 trees by 2022.

Water

- Increase San José's water conservation savings by 250% to achieve half of the annual countywide savings goal.
- Reduce potable water consumption to 85 gallons per day per capita.

In addition to continuing to beneficially reuse 100% of the City's recycled water supply, staff is proposing to add two Green Vision 2040 goals related to Water Supply. Both of these goals are incorporated into the draft Water Supply goals, policies and implementation actions included in the Task Force packet and directly address Task Force input from the September 28 Task Force meeting. These two goals were included as qualitative goals in the previous draft Water Supply policies, and have been expanded with numeric targets, as requested by the Task Force, to be ambitious but realistic based on industry best practices and San José specific data.

Zero Waste

- Continue to divert 100% of the waste from our landfill and convert waste to energy. For Green Vision 2040 staff proposes to continue the ambitious 2022 goal for 100% diversion of waste from the City's landfills.

Announcements

The City Council has provided direction to convene a separate Task Force to specifically consider the delivery of health care services and planning for health care facilities in parallel to the Envision process. The first Health Care Planning Task Force meeting is anticipated to take place in early December.

The Wikiplanning website has been live since August 1st and, thus far, approximately 3,700 people have visited the website. We have until October 31st to reach our goal of 10,000 participants. Please help promote the Wikiplanning website.

Correspondence for a particular Task Force Meeting must be received at least eight days in advance of the Task Force meeting in order to be posted as part of the packet materials for that meeting. Materials received less than eight days in advance will be posted as part of the correspondence materials in the packet for the next Task Force meeting. Members of the Task Force or public who wish to distribute materials following the packet deadline should bring approximately 70 copies of the document to the Task Force meeting in order to provide adequate copies for all Task Force members and the public.

Reading Materials

To prepare for the discussion of Global Climate Change and the Green Vision (Agenda Item 4), the Task Force is being provided with four reading material items:

- San Jose Green Vision – a high level summary of the City's adopted 15-year (2022) Green Vision
- San Jose Green Vision Annual Report 2008 – an expanded discussion of the Green Vision goals and data charting the City's progress towards the accomplishment of those goals.
- "Neighborhood Stores and Global Warming" – an article discussing the relationship between land use planning and Global Climate Change.
- AB32 – Fact Sheet on CA Global Warming Solutions Act of 2006 – a succinct summary of the contents of AB32 prepared by the California Air Resources Board.
- Climate Change, the California Environmental Quality Act and General Plan Updates – an FAQ document prepared by the California Attorney General's Office to specifically address State requirements for addressing Climate Change as part of a General Plan Update.

Links to these materials are posted on the Envision website.

Resource Materials

The October 19 Task Force meeting covers a wide variety of topics and the Task Force is being provided with access to several additional resource or reading materials organized by topic. These materials are intended to provide access to additional information for Task Force members that they may utilize according to their interest in the respective topic areas. For the October 19 Task Force meeting, materials are provide related to Clean Tech, Climate Change, Energy, Green Building, the Green Vision, Recycling / Zero Waste and Water Supply.

Links to these materials are posted on the Envision website.

Task Force Correspondence

Prior to the September Task Force meeting, but subsequent to posting of the previous packet, Task Force Member Michele Beasley provided a copy of correspondence to Albert Balagso, Director of Department of Parks, Recreation and Neighborhood Services, related to the proposed parks and recreation goals, policies and implementation actions. A copy of this letter is being provided for your review as part of the Task Fore materials.

Public Correspondence

The Task Force received two items of correspondence related to Global Climate Change (from Annie Stauffer and David Marsland of the Sierra Club and from Michele Beasley of Greenbelt Alliance) and one piece of correspondence related to “Smart Growth” (from Lowell Gratton). Links to these materials are posted on the Envision website.

Next Meetings

The next meeting is scheduled for Monday, October 26, 2009. Topics include the development of policies for Historic Preservation, Healthy Neighborhoods and Environmental Leadership.

If you have any questions, please contact either me or Michael Brilliot. I can be reached by phone at (408) 535-7893 or by email at: andrew.crabtree@sanjoseca.gov. Michael can be reached by phone at (408) 535-7831 or by email at: michael.brilliot@sanjoseca.gov.

Andrew Crabtree
Envision San José 2040