

Envision San José 2040

General Plan Update

October 19, 2009

Task Force Meeting #27

Agenda Item #3

Review Consent Items – Proposed Goals, Policies and Implementation Actions

Identify specific items for discussion related to:

- ***Water Supply (Revised)***
- ***Recycling / Zero Waste***
- ***Energy Supply and Conservation***
- ***Green Building***
- ***Clean Technology***

Agenda Item #4

Environmental Leadership

- a) Global Climate Change – Mitigation and Adaptation***
- b) Green Vision Goal 7 – Measurable General Plan***

Climate Action and Envision 2040 Sustainability Goals

Envision San José 2040

General Plan Update Task Force

10/19/09

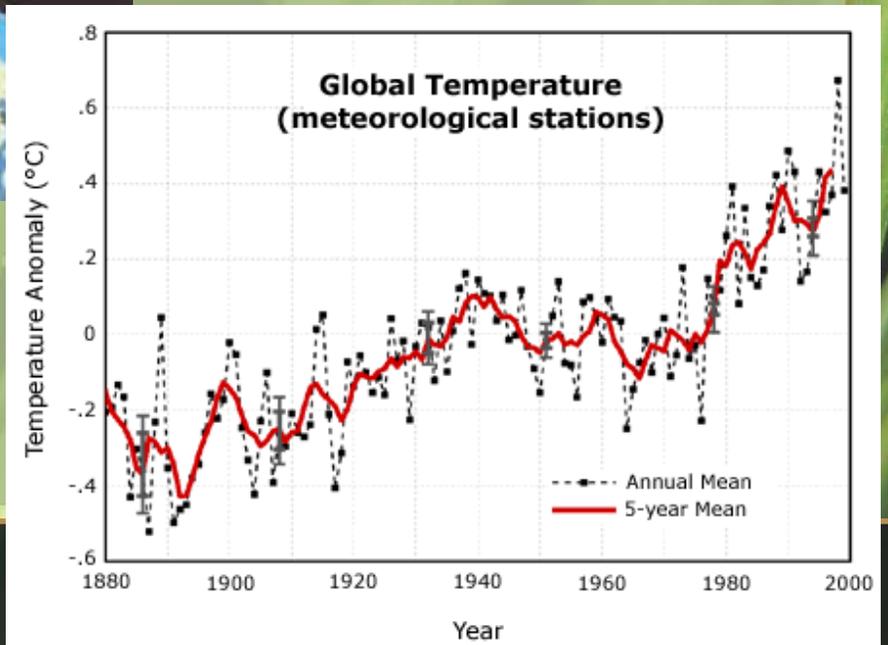
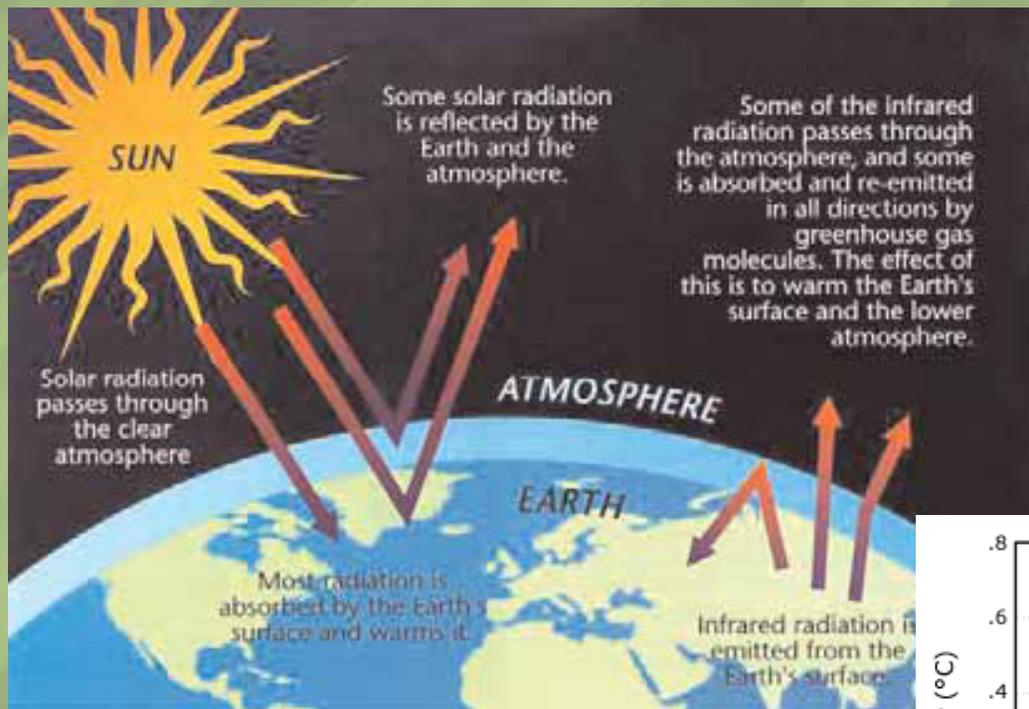


Agenda

1. Climate Change Review
2. Local Climate Change Impacts
3. San José Emissions and Targets
4. San José Environmental Leadership:
Sustainability Goals for 2040
5. San José Mitigation Strategies



Climate Change Review



Local Impacts of Climate Change

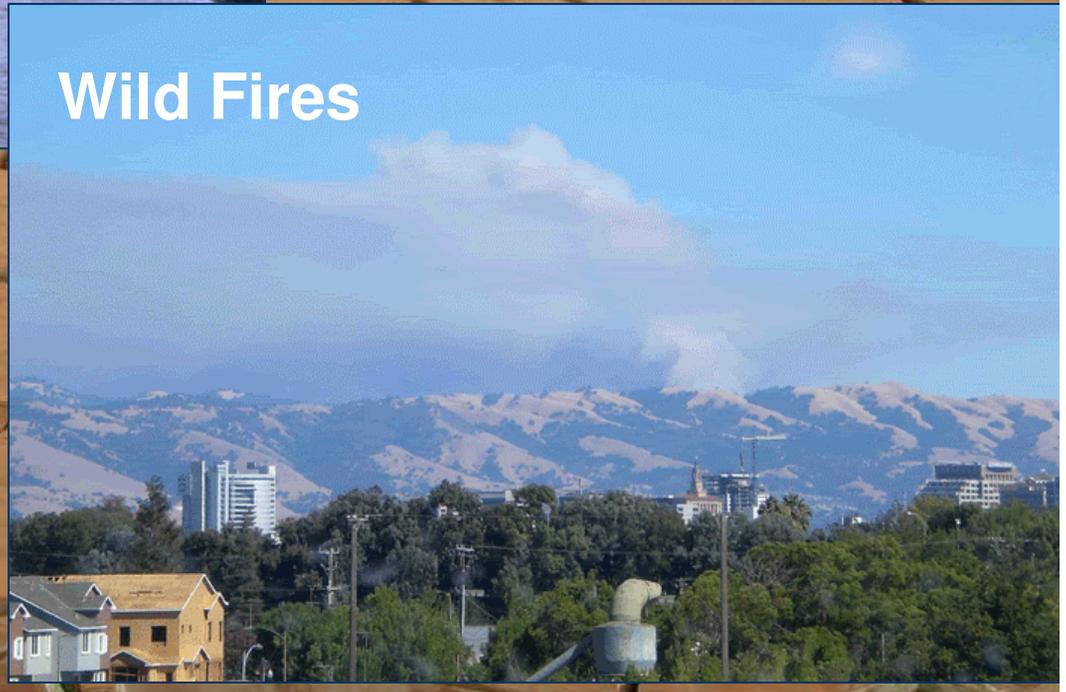
Floods



Natural Disasters & Extreme Weather

1995 San Jose Floods

Wild Fires



Local Impacts of Climate Change

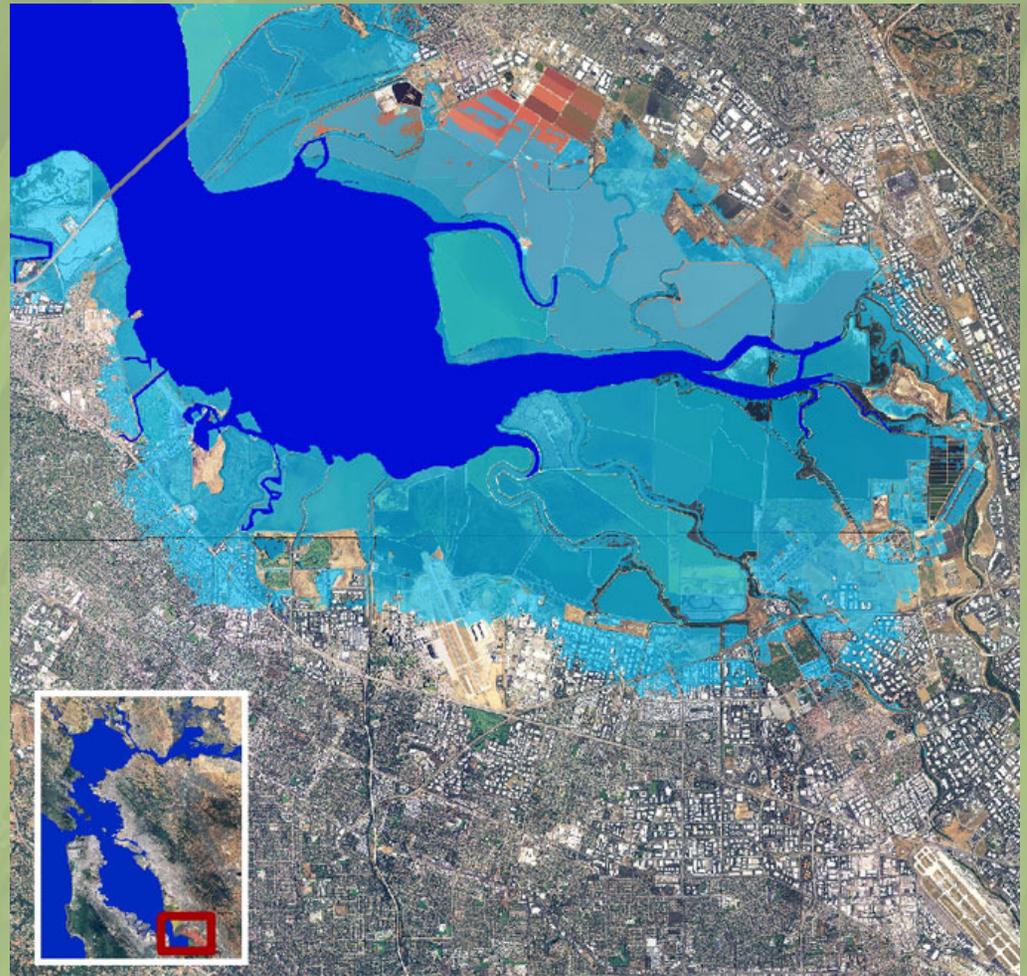
Higher Temperatures
Droughts

Public Health Risks



Local Impacts of Climate Change

Sea Level Rise



0 0.5 1 2 3 Miles

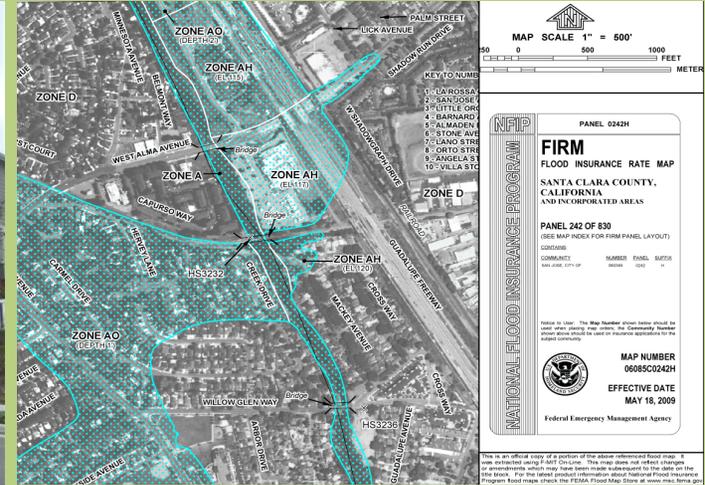


- San Francisco Bay
- 1 m sea level rise

Map is based on USGS 2m DSM and National Agriculture Imagery Program data. Map is illustrative and depicts a potential inundation scenario in 2100. Limitations in the geospatial data available may effect accuracy. Map should not be used for planning purposes.

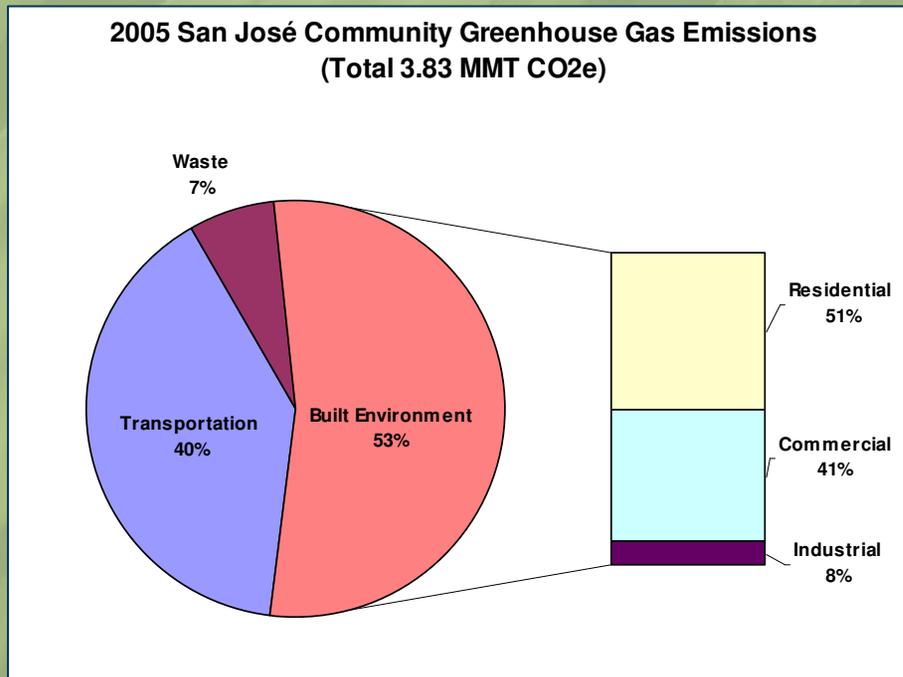
Climate Change Adaptation

- *Floodplain Management*
- *Preserve Riparian, Watershed Habitat and Open Space Areas*
- *Minimize Stormwater / Hydromodification Impacts*
- *Hazard Management Planning*



San José Greenhouse Gas Emissions

San Jose 2005 Emissions = 3.83 MMT CO₂e



Metro Area Comparisons (per capita):

Lowest: Honolulu, HI = 1.36

Average: Cleveland, OH = 2.24

Highest: Lexington-Fayette, KY
= 3.46

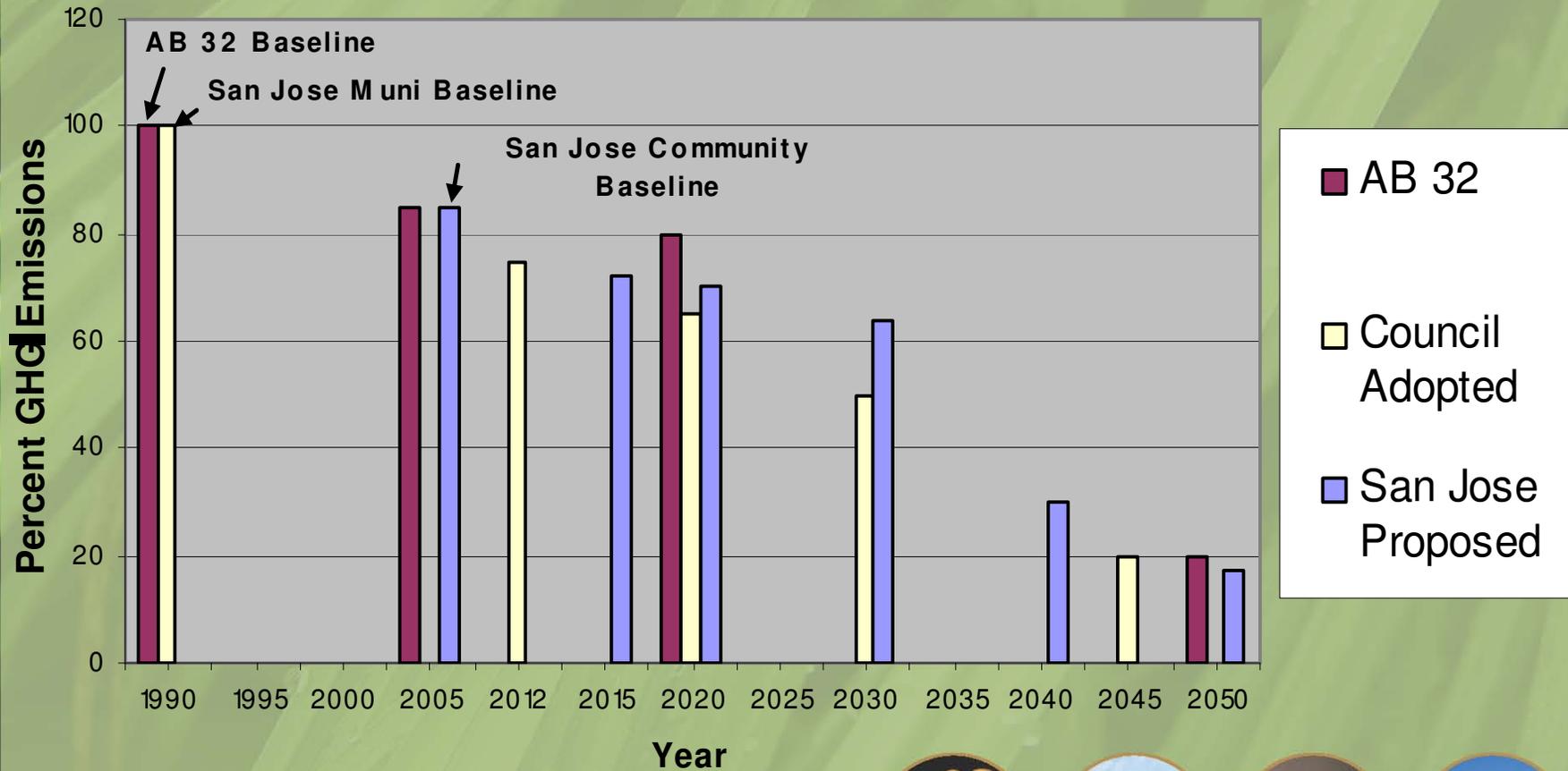
**San José Metro area =
7th lowest emitter: 1.57**

*Calculation generated using STAPPA/ALAPCO
and ICLEI's Clean Air and Climate Associates Inc.*



Greenhouse Gas Emissions Reduction Targets

AB 32 and San Jose GHG Emission Reduction Targets



Mitigation Strategies - San José's Green Vision: 2022

- 25,000 new **Clean Tech jobs**
- **Reduce** per capita **energy use 50%**
- **100% renewable electricity** for San José
- Build or retrofit 50 million square feet of **green buildings**
- **Zero waste** to landfill
- 100% beneficial **reuse of wastewater**
- **General Plan** with measurable **sustainability** standards
- Entire public fleet will use **alternative fuels**
- 100,000 **new trees** and smart, **zero-net streetlights**
- 100 miles of **interconnected trails**



Economic Development Connection

- **25,000 New Clean Technology Jobs**
- **Innovation to Commercialization**
 - Harness San Jose / Silicon Valley entrepreneurial strength
- **Drive the Market**
 - Use our regulatory role (Demand) and our ability to incentivize (Supply) to drive the market for Clean Tech

Example LED Street Lights

Motion sensing, LED lights, charging stations, embedded communications



Mitigation Strategies – Waste Management

Reduce, Reuse, Recycle



Bring Your Own Bag
Skip the plastic. Reduce waste.



Reuse Your Water Bottle
Avoid buying bottled water.



Go Paperless
Online banking and electronic payments.



Mitigation Strategies – Built Environment

Energy



100% renewable energy



Mitigation Strategies – Built Environment

Water



Mitigation Strategies – Built Environment

Land Use & Vegetation



Green Building



Mitigation Strategies – Transportation

Access to Transit



Alternate Fuels



Walking and Biking



Agenda Item #4

Environmental Leadership

- a) Global Climate Change – Mitigation and Adaptation***
- b) Green Vision Goal 7 – Measurable General Plan***



Agenda Item #5

Public Comment



Agenda Item #6

Task Force Recommendations

