



City of San Jose Energy Efficiency and Climate Change Activities

Mary Tucker, City of San Jose
Office of Sustainability



ABAG Workshop
July 11, 2007

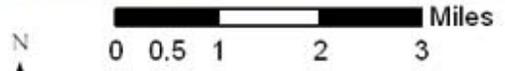
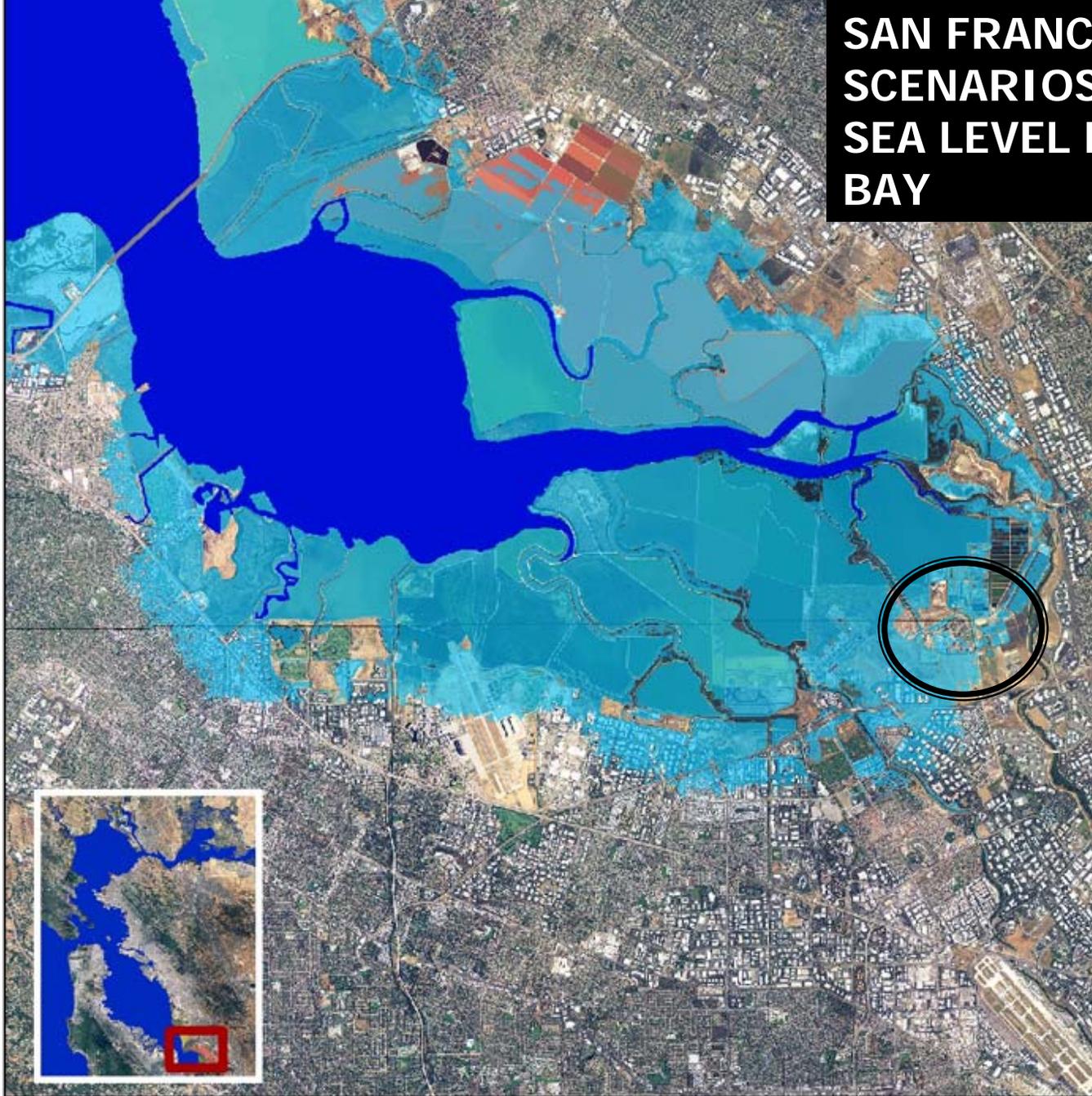


Implementation Strategies— Making it Happen—Some Lessons Learned

- **Data for informed decision-making**
- **Leadership**
- **Commitment and Collaboration**



SAN FRANCISCO BAY SCENARIOS FOR 1 Meter SEA LEVEL RISE IN SOUTH BAY





March 20, 2007 City Council

- **U.S. Conference of Mayor's Climate Change Agreement**

April 28, 2007 Rules Committee

- **Presented Workload Assessment/Process; given direction to return with:**
 - **Municipal Operations Goal**
 - **Clarity on Policy Framework**
 - **Community Leadership opportunities**

June 5, 2007 City Council

- **Adoption of Municipal Goals**

TIME

SAN JOSE
GROWS GREEN!
SUSTAINABLE DEVELOPMENT
SUSTAINS THE ECONOMY



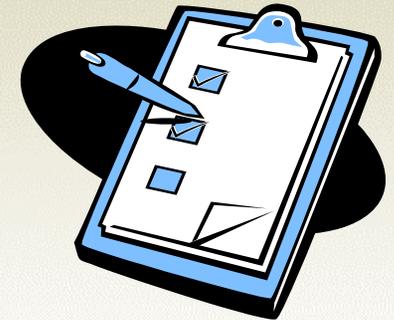
Sustainable City Strategy

Policies

- Energy
- Greenprints
- Green Building
- Garbage/Recycling
- Smart Growth
- Water Policy

Agreements and Benchmarks

- Green Building/LEED™
- Sustainable Silicon Valley
- Urban Environmental Accords
- City Service Areas—Performance Measures





Sustainable Energy Policy

Work Plan FY 2007-08

- **Goal I: Lead by example in pursuing the most efficient use of energy in City facilities and activities**
- **Goal II: Explore opportunities to improve energy reliability, supply and price stability to meet current and future energy needs**
- **Goal III: Promote collaboration on energy issues**
- **Goal IV: Promote and achieve a cleaner and healthier environment, including improving air quality and reducing greenhouse gas emissions**
- **Goal V: Encourage the development and use of renewable energy sources and alternative fuels**



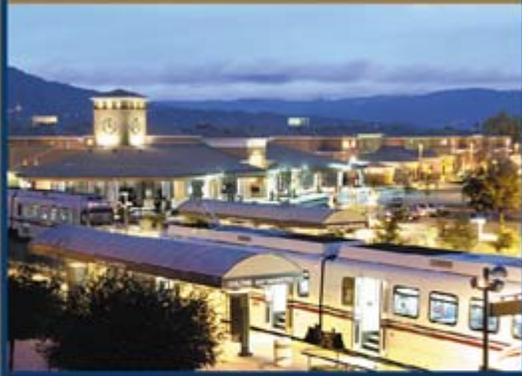
Overall Reductions in City Facilities since 2001

- **Over \$20M in estimated avoided electricity expenditures**
- **20% reduction compared to established baseline (2001)**
- **196M kWh reduced**
- **124,000 metric tons of CO² reduced**

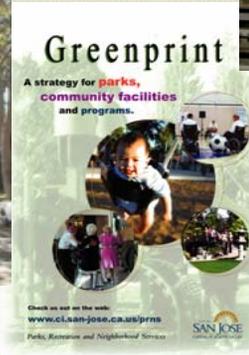
Supportive City Activities



SMART GROWTH



Managing growth, fostering economic and housing development, and preserving open space.



SILICON VALLEY
energy
watch



CITY OF
SAN JOSE
CAPITAL OF SILICON VALLEY

	San Jose <small>(Municipal)</small>	Kyoto Protocol	California AB32	San Francisco	Oakland	Berkeley	San Diego	Boston	New York
2010			Reduce to 2000 emission levels		15% (1990)	15% (1990)	15% (1990)		20% (1995)
2012	25% (1990)	7% (1990)		20% (1990)				7% (1990)	
2015	30% (1990)								25% (1995)
2020	35% (1990)		Reduce to 1990 levels						30% (1995)
2030	50% (1990)								
2045	80% (1990)								
2050			80% (1990)					80% (1990)	

Joint Policy Committee





 Association of Bay Area Governments
 Bay Area Air Quality Management District
 Bay Conservation and Development Commission
 Metropolitan Transportation Commission



Silicon Valley Leadership Group

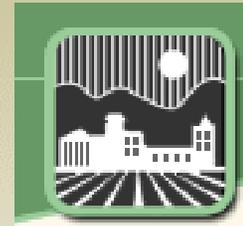
Silicon Valley
"Clean & Green"
Energy Action Plan

San José State UNIVERSITY

Joint Venture
SILICON VALLEY NETWORK

PG&E Pacific Gas and Electric Company

Climate Smart Program



Air Resources Board

ICLEI Local Governments for Sustainability
ICLEI Global

Green Challenge 07 09
Be an incredible family. Volunteer to green the Bay Area.

Volunteer Center OF SILICON VALLEY
Connecting Volunteers with Community Needs

Family Volunteer Day
A National Program of the Points of Light Foundation & Volunteer Center National Network
Sponsored by **Disney**

League of California Cities
2007 Annual Conference

Cities

Shaping California's Future

September 5 - 8, 2007
Sacramento Convention Center

SUSTAINABLE SILICON VALLEY

Guadalupe Group

SIERRA CLUB FOUNDED 1892

coolcities
Solving Global Warming One City at a Time

CITY OF **SAN JOSE**
CAPITAL OF SILICON VALLEY



Summary of Adopted Recommendations

- **Greenhouse Gas Reduction Goal for Municipal Operations**
- **Initiate discussions with regional organizations**
- **Return to T&E**
 - **Fall 2007: Community Assessment & Baseline Inventory**
 - **Spring 2008 with Municipal Operations Climate Action Plan**



Making it happen..

Municipal Operations

- **Establishing emissions inventory (1990, 2000, 2006)**
- **Working with Interdepartmental Team**
- **Joined California Climate Action Registry**
- **Developing draft Climate Action Plan**
- **Education and Outreach with City employees...ideas**

Community/Region

- **Silicon Valley Joint Venture Climate Task Force—coalition of local governments**
- **Discussions with key stakeholders—how to do a community approach**
- **Learning what others are doing and identifying areas of collaboration**



Implementation Activities

*4 new green building
& energy positions
approved in
FY07-08 Budget*

- **Envision San Jose 2040—Sustainable General Plan**
- **Green Fleets Policy**
- **Solar Installations**
 - RFQ for solar assessment of city facilities—size, type, funding
 - Department of Energy *Solar America Initiative* technical assistance award
 - Subsequent release of bid package for installation
- **Green Buildings**
 - *“Go for the Gold!”*
 - **LEED for Existing Buildings—New City Hall**
 - **Private Sector Incentives and Education**
- **Energy Efficiency**
 - **Local Government Partnership—Silicon Valley Energy Watch**
 - **Energy Efficiency projects at city facilities—ABAG Energy Watch**
 - **Use of energy rebates to fund energy officer position and future projects**



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