



SONOMA MOUNTAIN VILLAGE

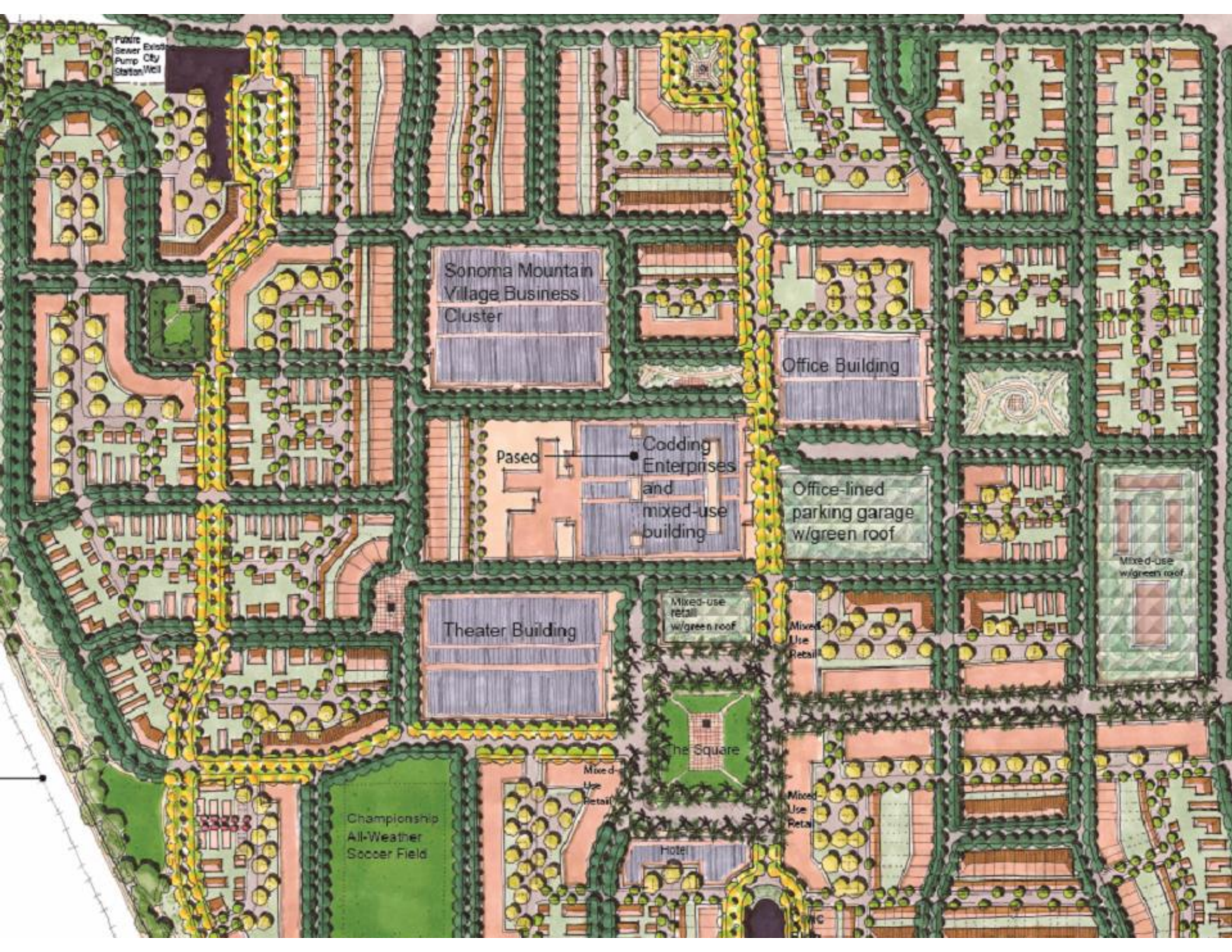


Developing a One Planet Community

Kirstie Moore, LEED AP
Coddling Enterprises



WWW.SOMO.COM



Public Sewer Pump Station/Well

Sonoma Mountain Village Business Cluster

Office Building

Paseo
Cording Enterprises and mixed-use building

Office-lined parking garage w/green roof

Mixed-use w/green roof

Theater Building

Mixed-use retail w/green roof

Mixed Use Retail

The Square

Championship All-Weather Soccer Field

Mixed-Use Retail

Hotel

Mixed-Use Retail

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200-acre redevelopment

Mixed-use, pedestrian oriented

1892 homes

600,000 sq. ft. commercial

LEED-ND (pilot) targeting Platinum



5
Minute
Living



1.14 MW Array – so far...



16,870

Tons of CO₂ from buildings in a LEED Platinum SoMo Village

4 million

Number of mature trees required to absorb that carbon



ONE PLANET COMMUNITIES





BioRegional

1. Zero Carbon
2. Zero Waste
3. Sustainable Transport
4. Local & Sustainable Materials
5. Local and Sustainable Food
6. Sustainable Water
7. Natural Habitats and Wildlife
8. Culture and Heritage
9. Equity and Fair Trade
10. Health and Happiness



ZERO CARBON



ZERO USE OF FOSSIL FUELS FOR BUILDING ENERGY

- Exceed CA Title 24 by 50-80%
- 100% on-site renewable energy
- 100% renewable heating & cooling
- Promote low energy use





ZERO WASTE



97% reduction in
Construction Waste

- Recyclable Materials, adaptive re-use



98% reduction in Resident &
Commercial waste

- Make it convenient, incentivize, leasing requirements, Zero Waste Culture





Sustainable Transportation



Reduce Transportation Emissions by 82%

- Reduce the need to travel
- Make walking and bicycling easy safe & fun
- Widespread use of NEV's
- Promote plug-in hybrid car-share
- Convenient carpool/ride-sharing
- Alternative fuel shuttle
- Aim for a 25% reduction in Air Travel





- Less than 1/2 a mile from Cotati train station
- Shuttle's will be provided to train station and SSU in inclement weather



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BE COOL
WALK TO SCHOOL



They're all doing it. RUcarsharing.com?





LOCAL & SUSTAINABLE MATERIALS

Manufacture at least 20% of materials on-site



Buy and additional 40% of materials within 500 miles

- Create Standard Specifications
- Healthy Materials Standard
- Track Embodied Carbon in Materials and Activities





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LOCAL & SUSTAINABLE FOOD



65% of all food from local farms & on-site gardens

- Daily Farmers Market
- Sustainable Food Grocery Store
- At least 6 Community Gardens
- Create Edible Landscape
- Encourage a Healthy Organic School Lunch Program
- Leasing Preference for Restaurateurs featuring Local Organic Food





SUSTAINABLE WATER



NO NEW WATER ALLOCATIONS

- Exceed stormwater runoff/treatment standards
- Irrigate with reclaimed water
- 6 Million gallons of rainwater collection
- Ultra-efficient fixtures
- HOA rules regulate pesticides, fertilizers etc.

(!) Flush toilets without using drinking water

(!) Greywater systems





NATURAL HABITATS & WILDLIFE



20% of site as Greenspace

10% of site restored to Native Habitat

Meet LEED lighting criteria

Water will flow across the site





CULTURE & HERITAGE

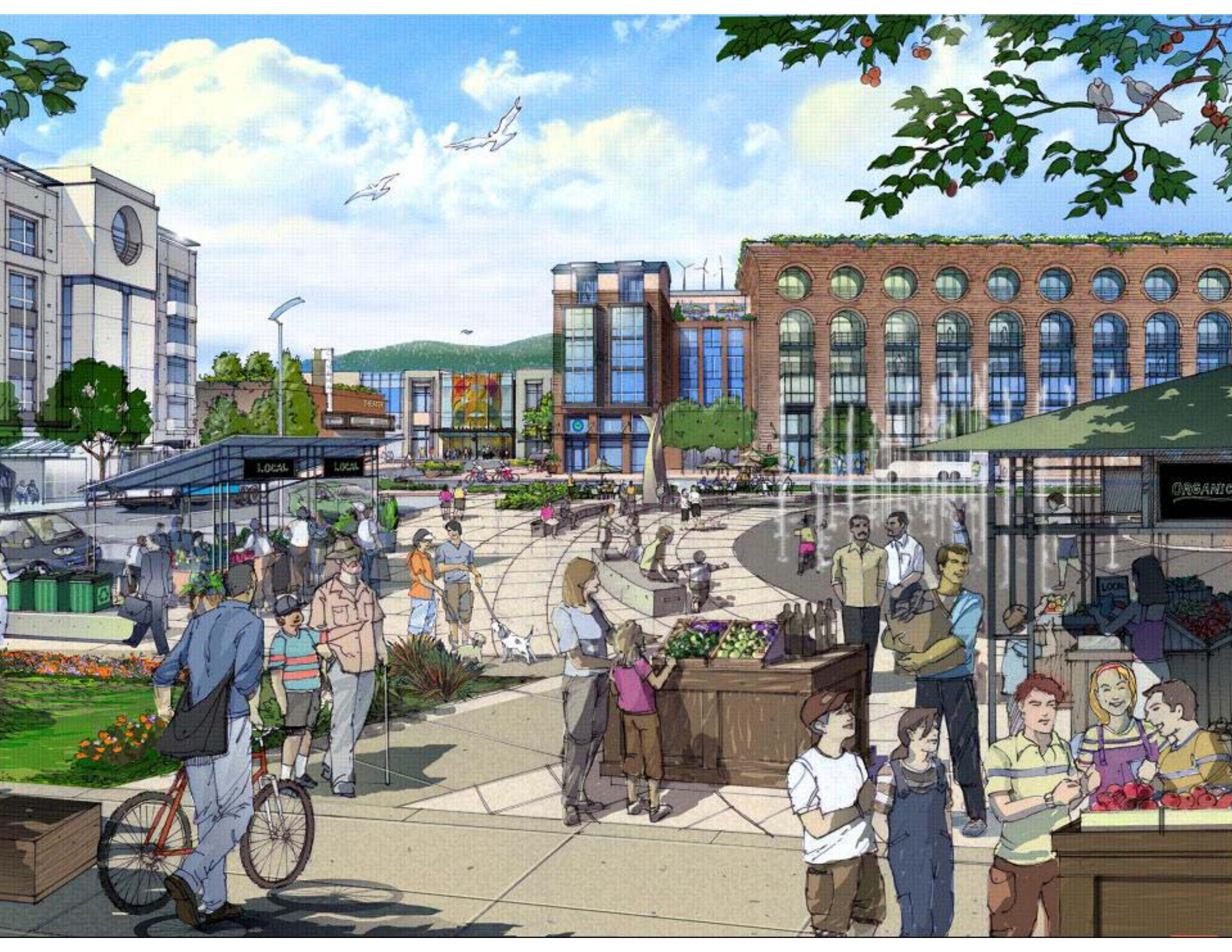


Create a Living Culture where the present actively connects the past to the future

- The past will be showcased in the Town Square
- Host local festivals, markets and celebrations
- Local culture will influence the architecture
- Commission public art
- Parks near every home



Rohnert Park before construction.
(Photo courtesy of the Sonoma County Library).





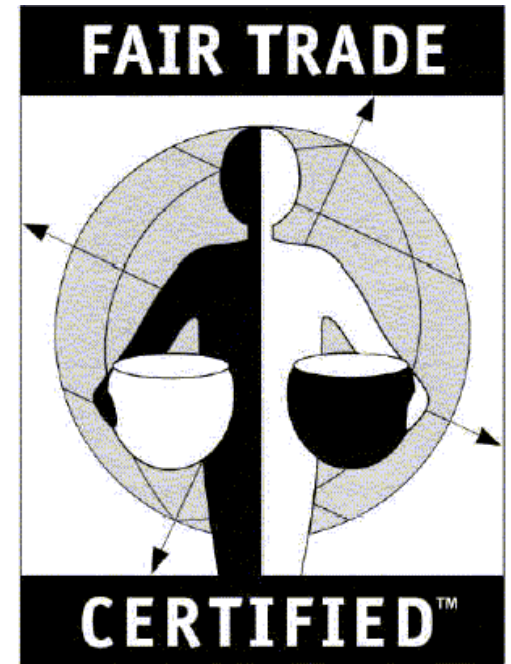
EQUITY & FAIRTRADE



25% Affordable Housing

4400 New Jobs

- Incubating Sustainable Businesses
- Consumer Choice is a Responsibility
- Promote Fair Trade and Local Business
- Accessible to all





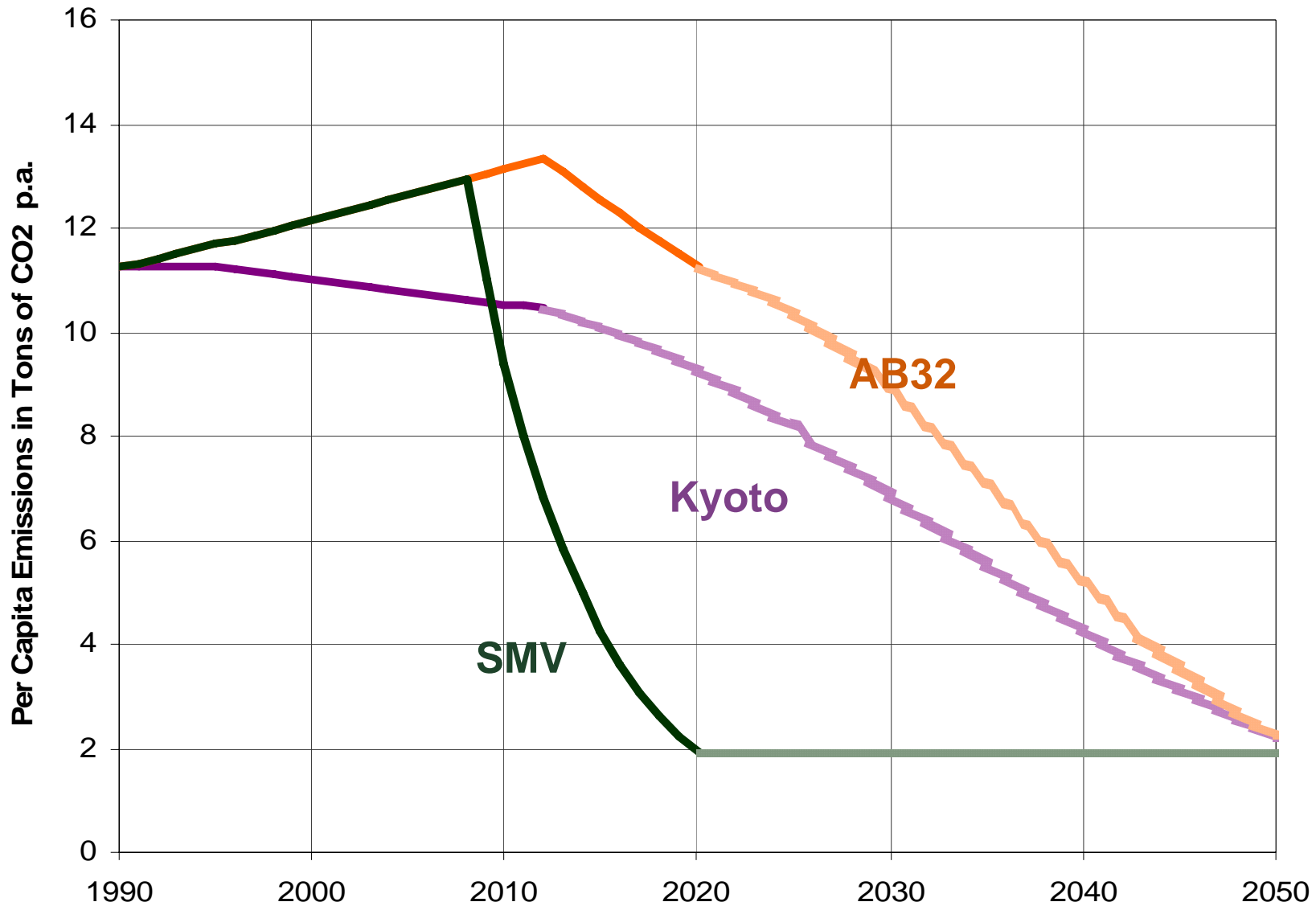
HEALTH & HAPPINESS



Health & Happiness Surveys

- 5 Minute Living
- Friendlier
- Healthier
- Safer
- Closer





SMV will meet AB32 emissions reduction law 5 years early and will vastly exceed by 2020
Graph also show the 7% reductions that would have been required had the USA signed onto the
Kyoto Protocol



“One Planet Communities offers us a very simple option: the next time we chose a place to live, we can choose one that ignores environmental concerns, or one that actually invests in the sustainability of our planet.”

Achim Steiner

Executive Director, UNEP



Kirstie Moore, LEED AP

Coding Enterprises

707-795-3550

WWW.SonomaMountainVillage.COM

