

what if?

alternative growth scenarios



what if?

alternative growth scenarios

for projections 2009

Performance Targets

↓ Driving per capita by 10 percent

↓ Carbon emissions by 40 percent

↓ PM2.5 by 10 percent

↓ PM10 by 45 percent

↓ Congestion by 20 percent

↓ Greenfield Development

↑ Non-auto access to jobs and services by 20 percent

what if?

alternative growth scenarios



Two Futures, Circa 2035

Scattered Success

- Consistent w/ Projections 2007
- Some growth in urbanized areas, near job centers and transit
- Within cities, growth mostly continues as projected within local plans
- Continued growth in areas far from jobs, without transit or walkability, i.e. North Bay and eastern Contra Costa

Focused Future

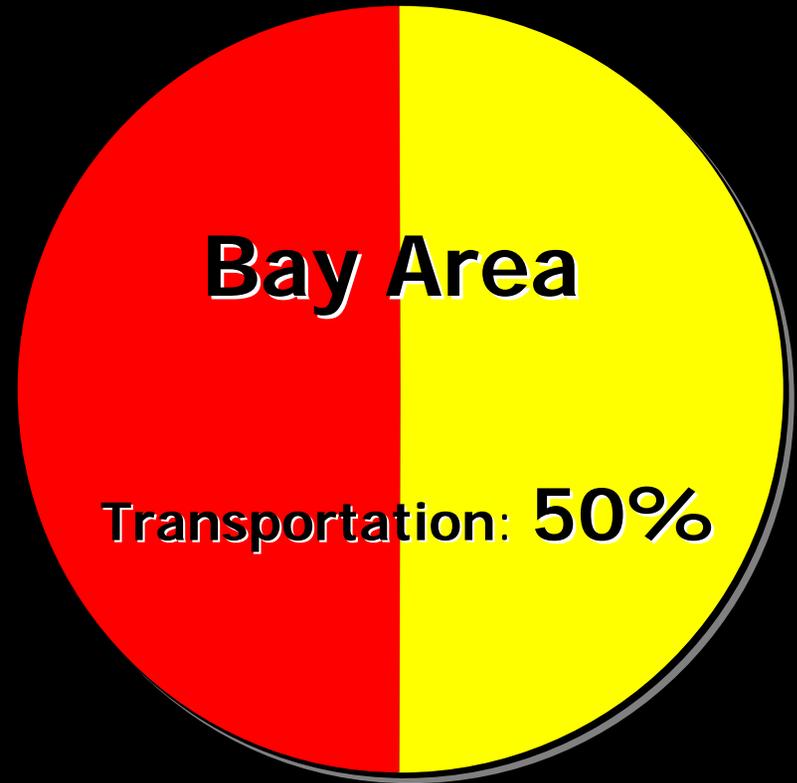
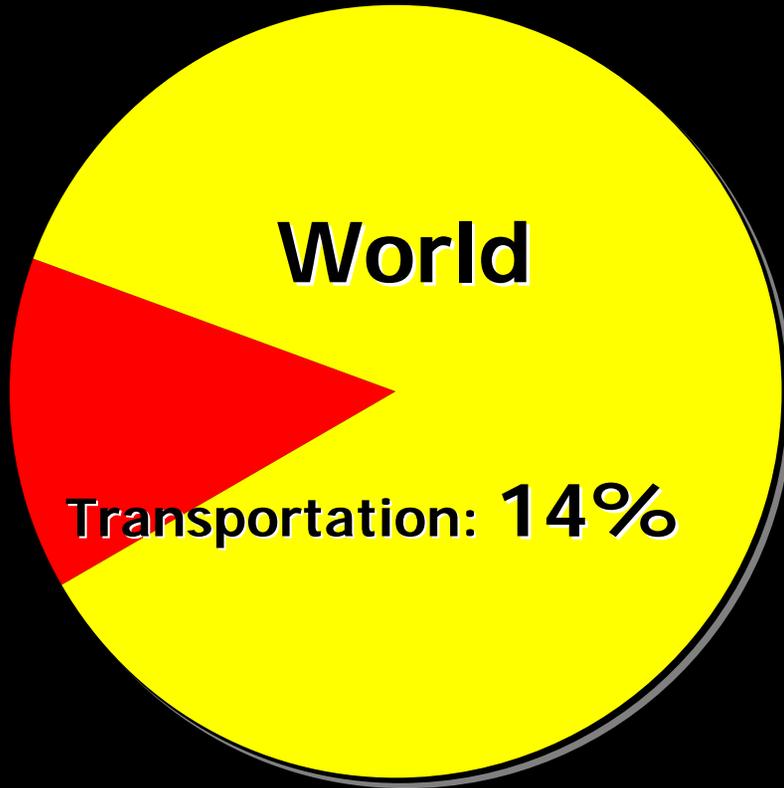
- More aggressive than Proj. 2007
- Most growth in urbanized counties, near jobs and transit
- Within counties & cities, growth directed to downtowns and transit areas to promote, non-auto mobility
- Nominal growth in areas without transit or jobs, i.e. North Bay counties, eastern Contra Costa

what if?

alternative growth scenarios

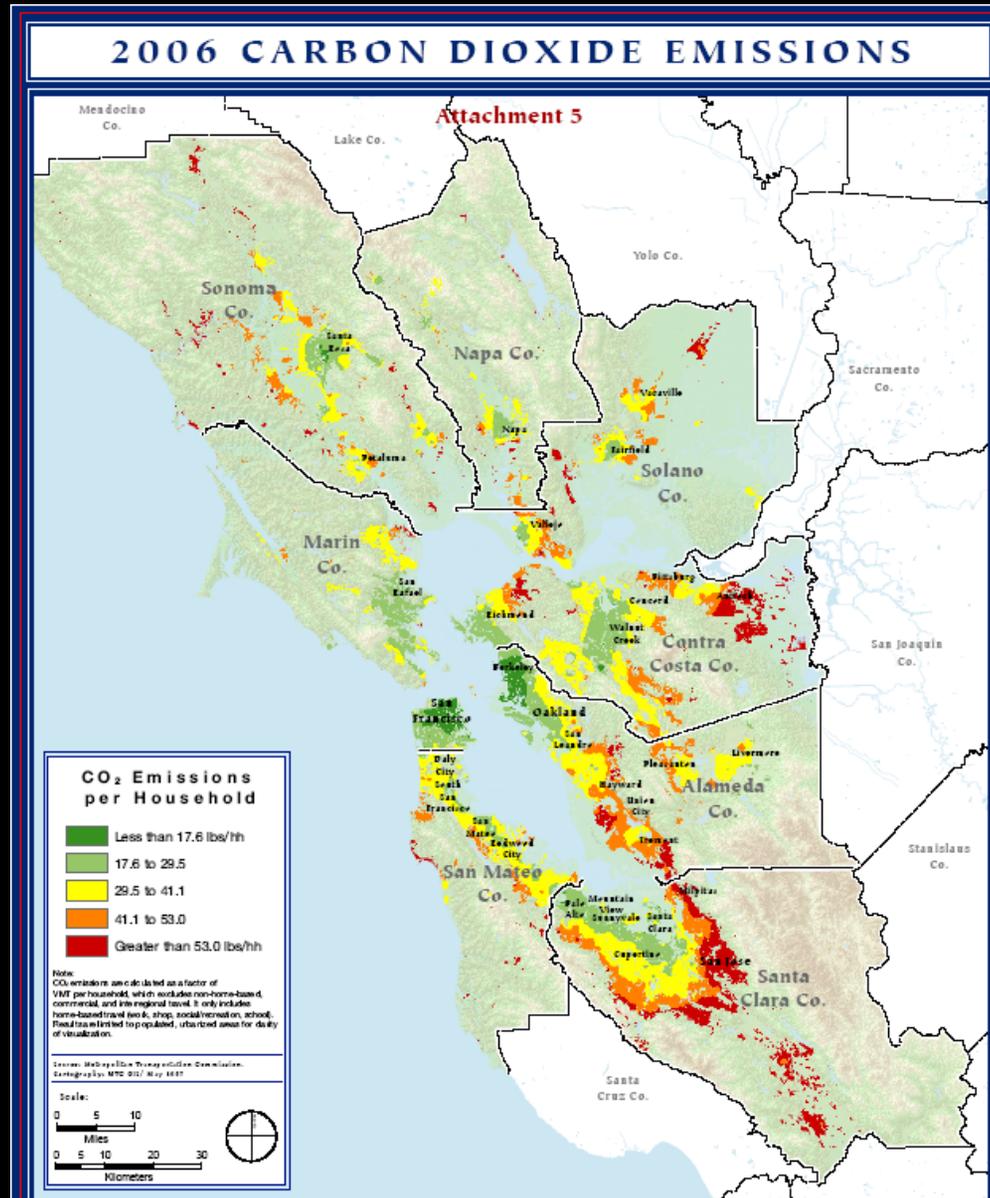


CO₂ Sources, Bay Area vs. World



Sources: USEIA, BAAQMD

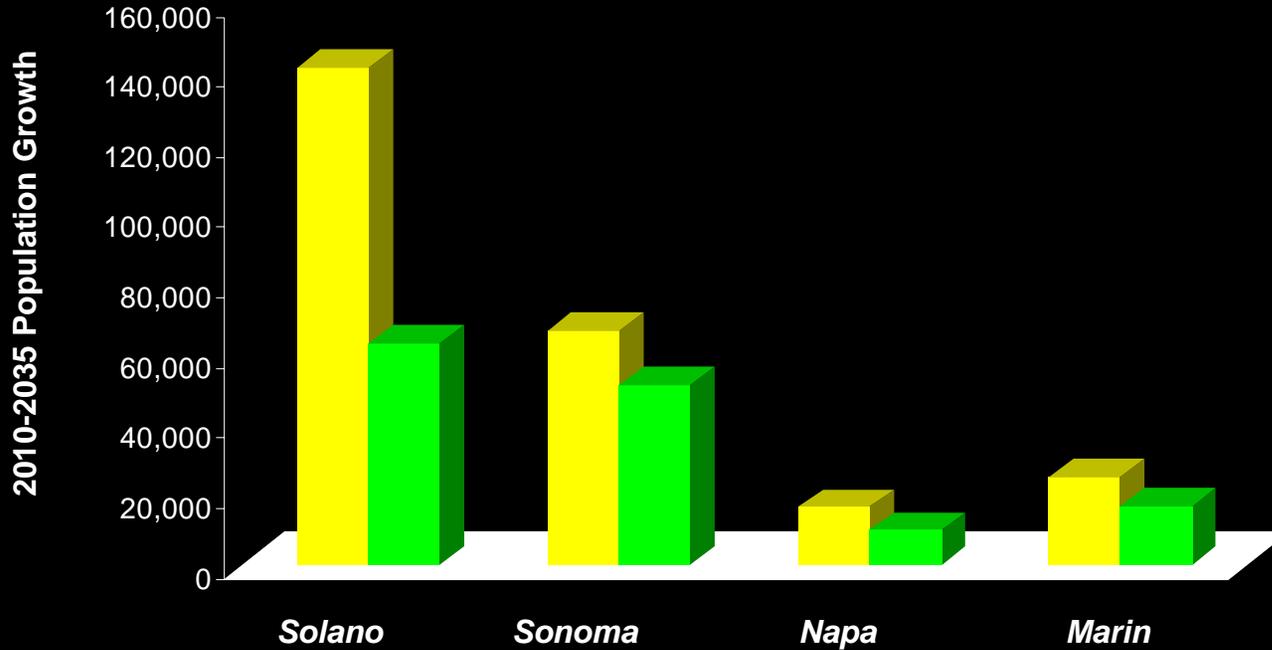
CO₂ & Location & Mobility Choices



Carbon Dioxide Emissions per Household by
Zone-of-Residence: Year 2006 Average Weekday

Two Futures, Circa 2035

Total Population North Bay



■ Scattered Success
■ Focused Future

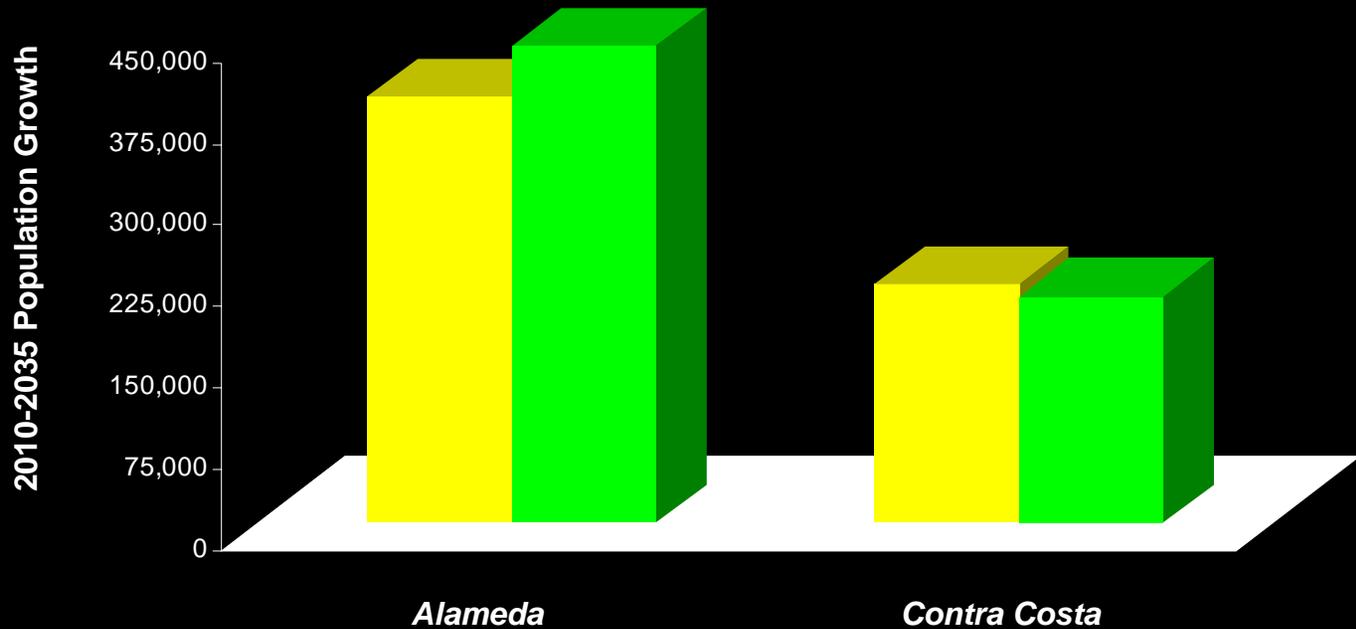
what if?

alternative growth scenarios



Two Futures, Circa 2035

Total Population East Bay



Scattered Success
Focused Future

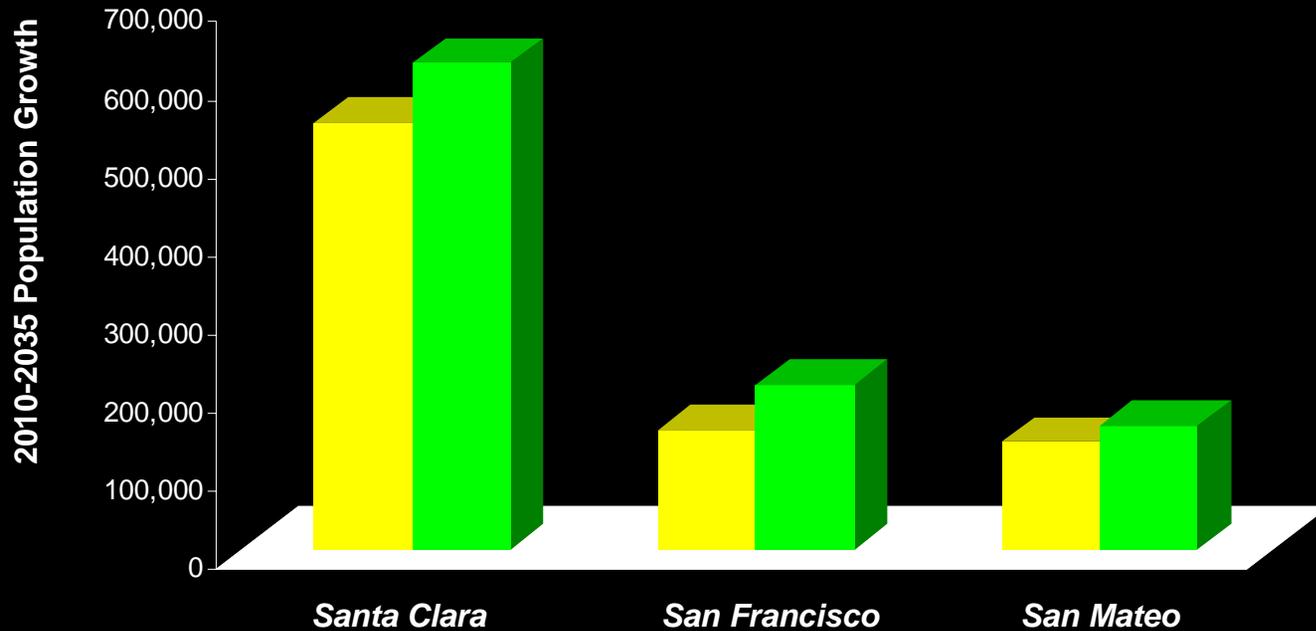
what if?

alternative growth scenarios



Two Futures, Circa 2035

Total Population Santa Clara, San Francisco, San Mateo



what if?

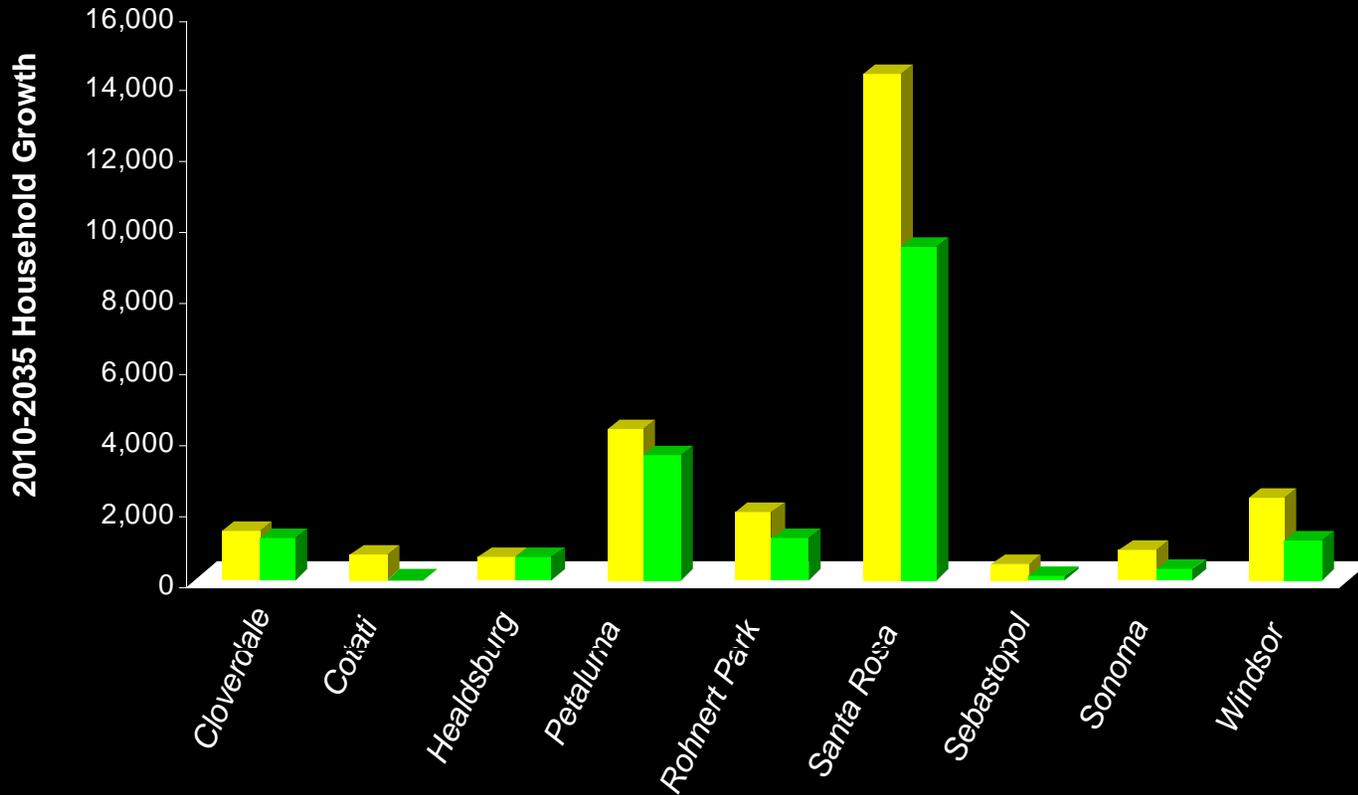
alternative growth scenarios



Scattered Success
Focused Future

Two Futures, Circa 2035

Sonoma County Housing



what if?

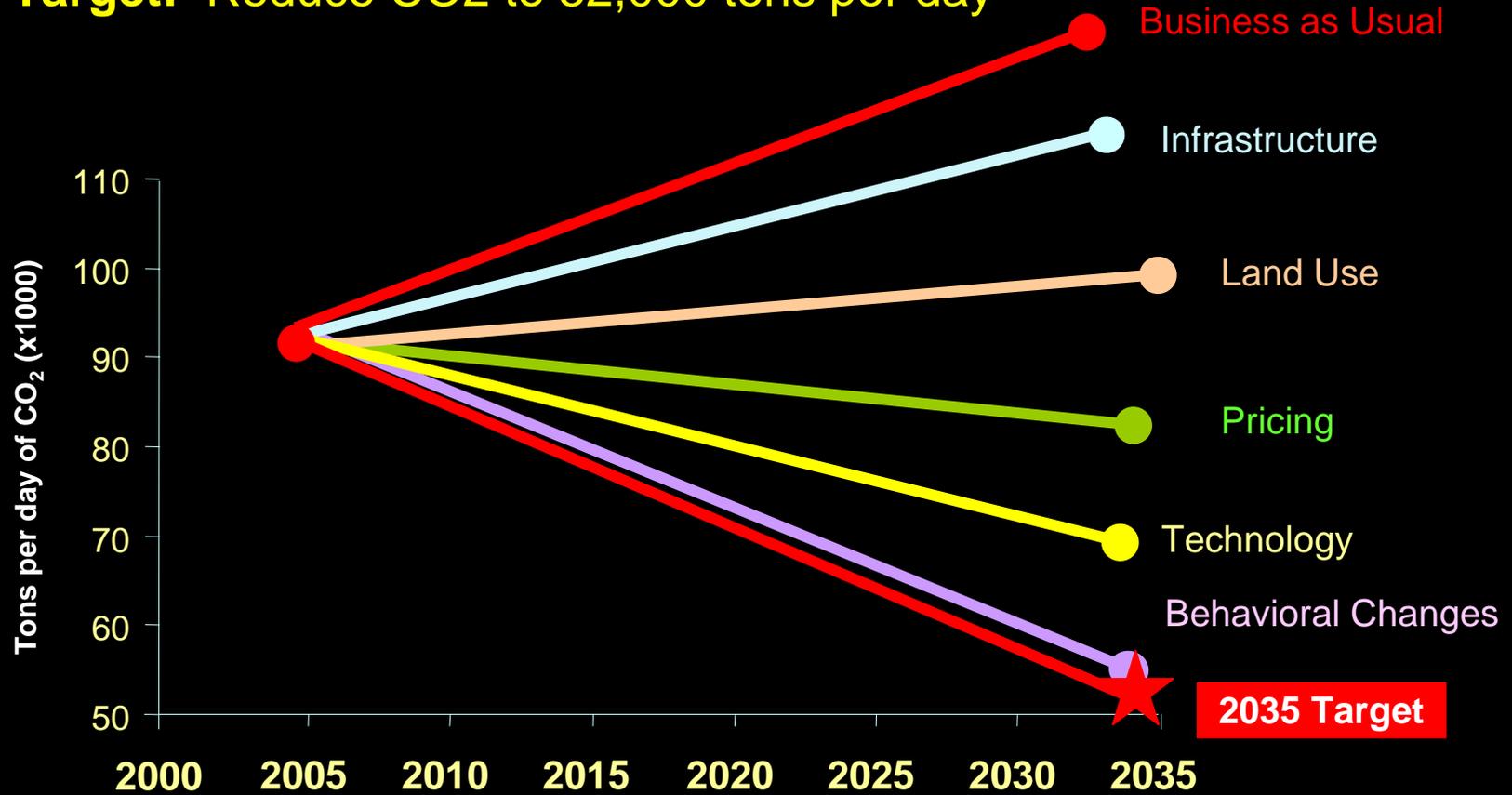
alternative growth scenarios



■ Scattered Success
■ Focused Future

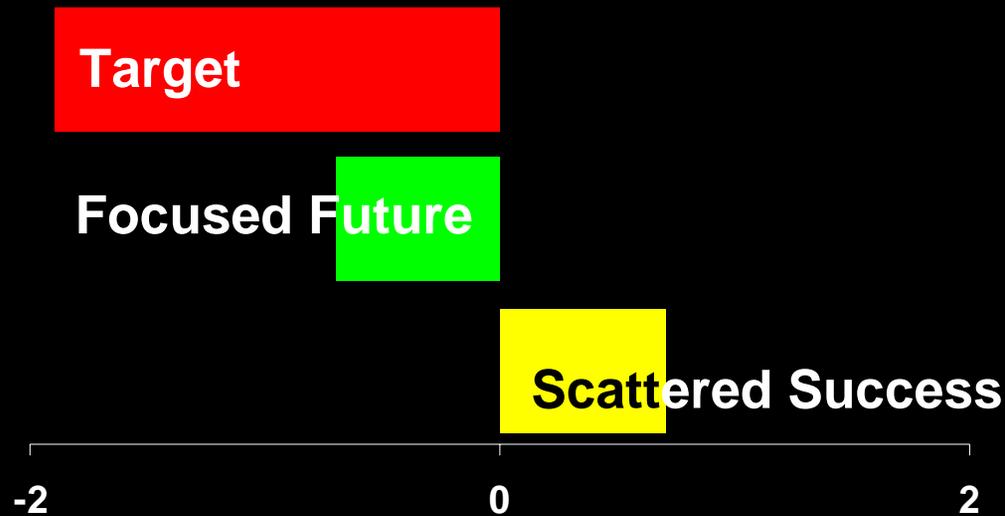
Land Use Necessary, Not Sufficient

Target: Reduce CO₂ to 52,000 tons per day



Land Use Performance

Regional VMT per/capita



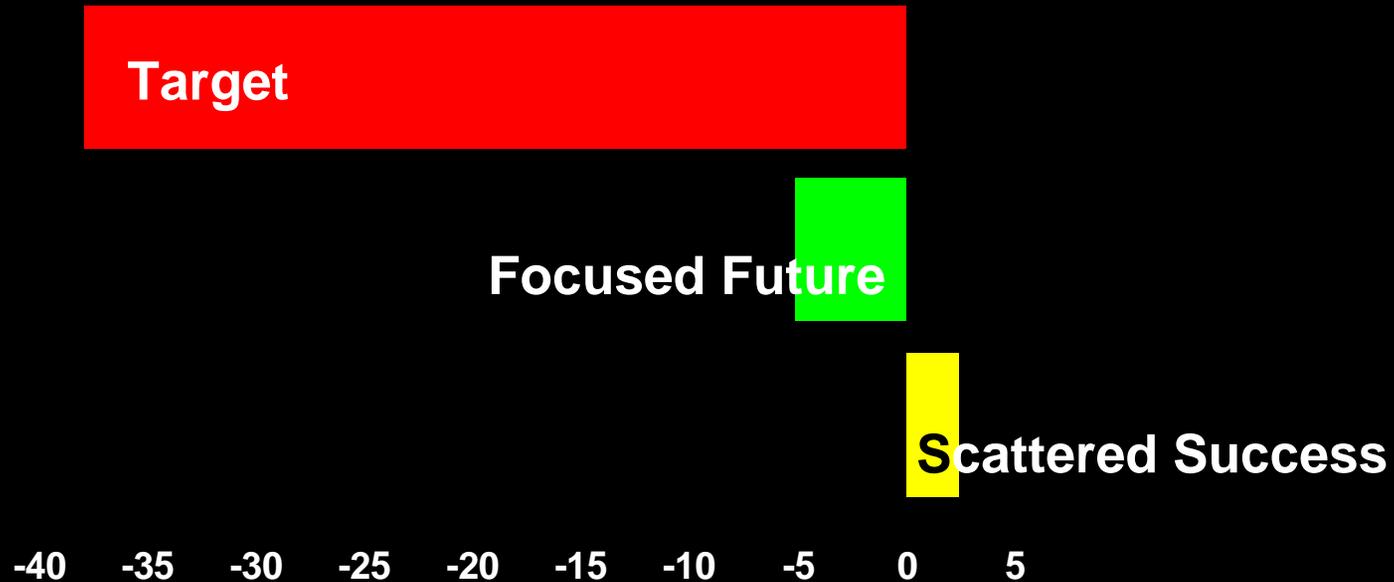
what if?

alternative growth scenarios



Land Use Performance

Regional CO₂ Emissions



what if?

alternative growth scenarios



Land Use Performance

Regional Delay per/capita

Target

Focused Future

Scattered Success

-6

-1

4

9

14

what if?

alternative growth scenarios



Land Use Performance

Regional Particulate Matter₁₀

Target

Focused Future

Scattered Success

-31 -26 -21 -16 -11 -6 -1 4 9 14 19 24 29

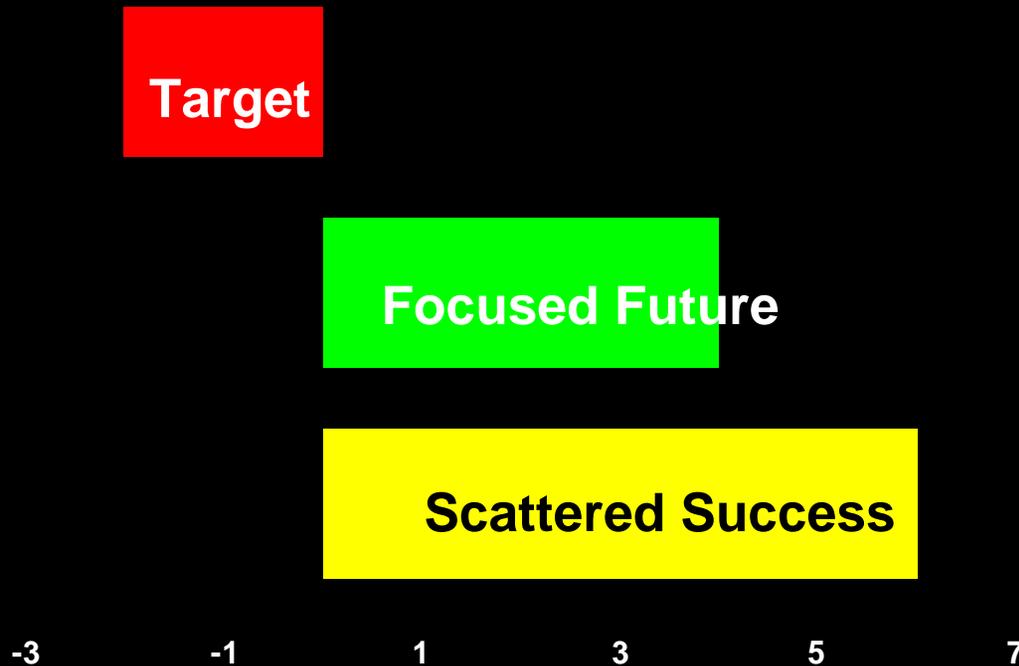
what if?

alternative growth scenarios



Land Use Performance

Regional Particulate Matter_{2.5}



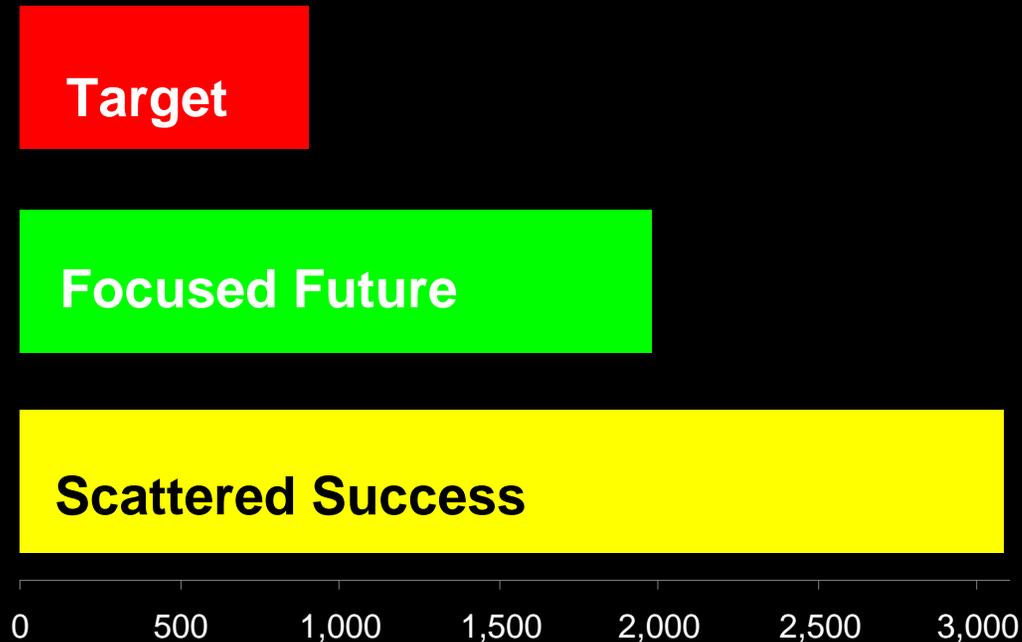
what if?

alternative growth scenarios



Land Use Performance

Greenfield Development



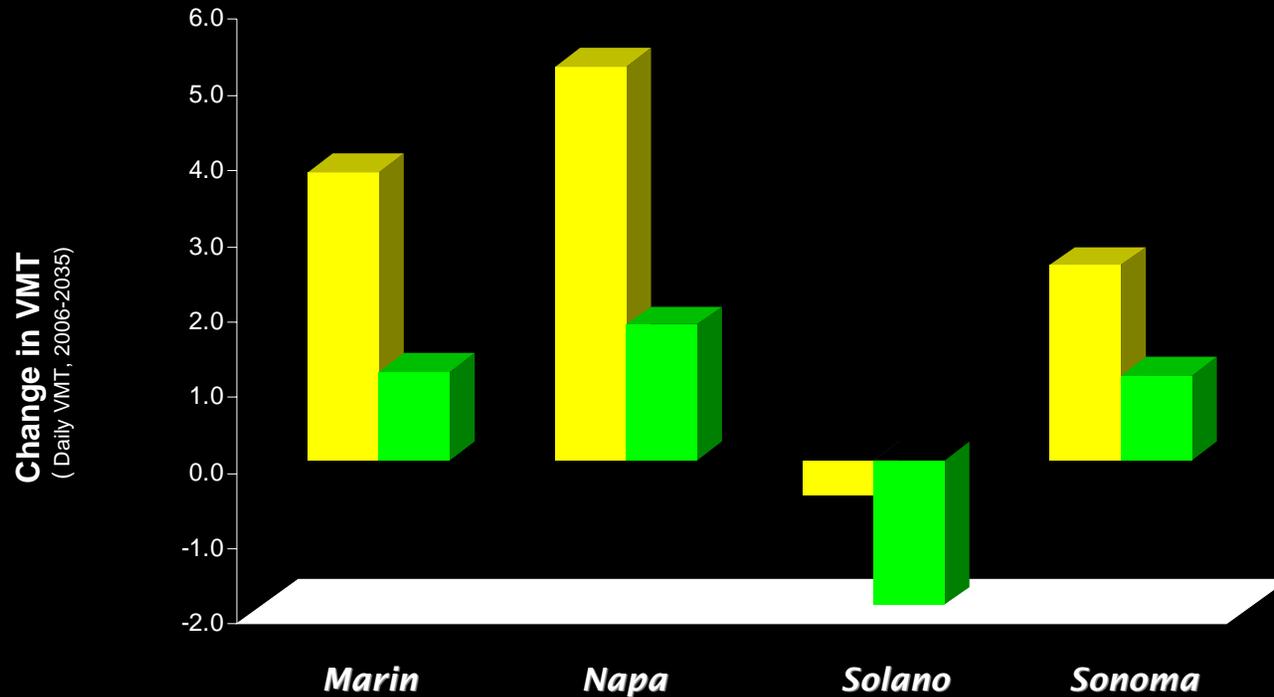
what if?

alternative growth scenarios



Two Futures, Circa 2035

Alternative Futures Driving (VMT/capita)



■ Scattered Success
■ Focused Future

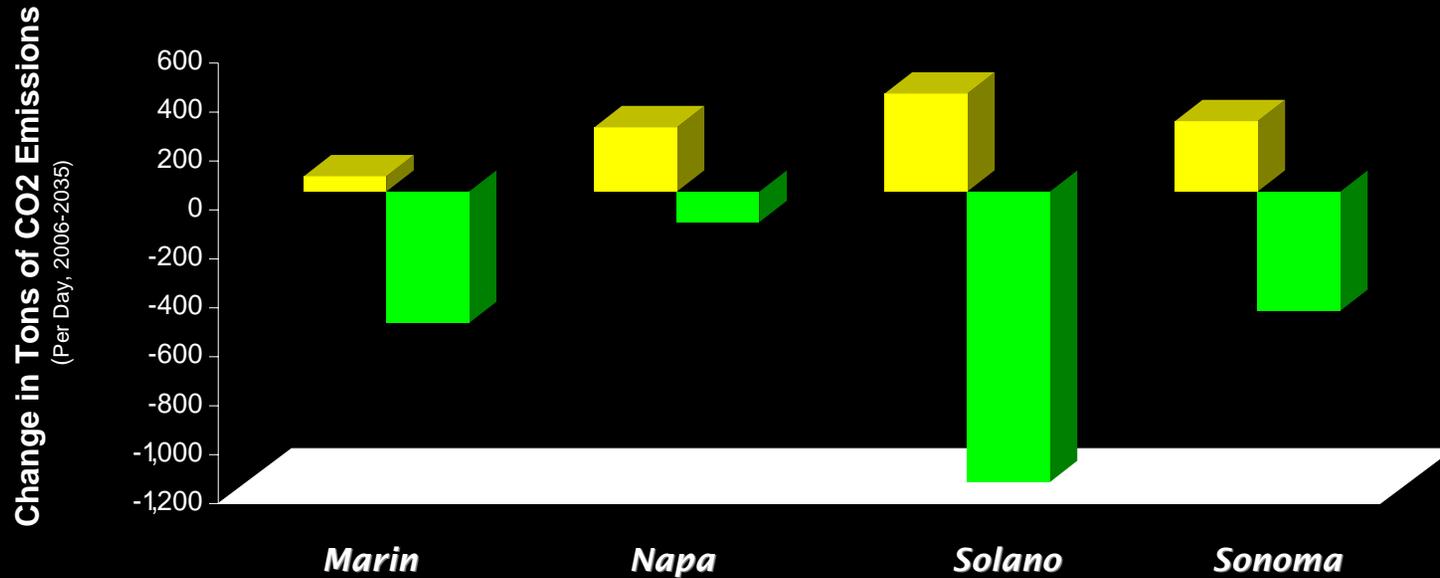
what if?

alternative growth scenarios



Two Futures, Circa 2035

Alternative Futures CO₂ Emissions



Scattered Success
Focused Future

what if?

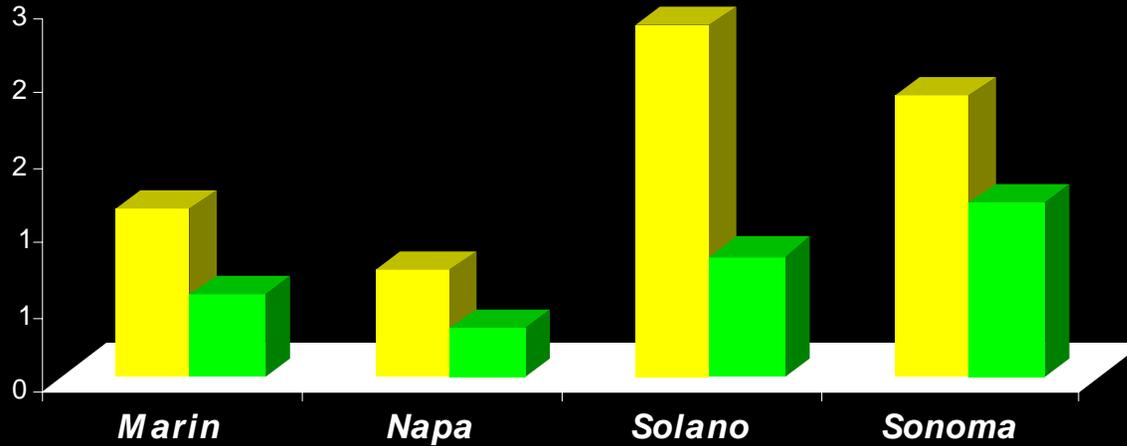
alternative growth scenarios



Two Futures, Circa 2035

Alternative Futures Particulate Matter₁₀

Change in Particulate Matter₁₀
(Tons Per Day, 2006-2035)



■ Scattered Success
■ Focused Future

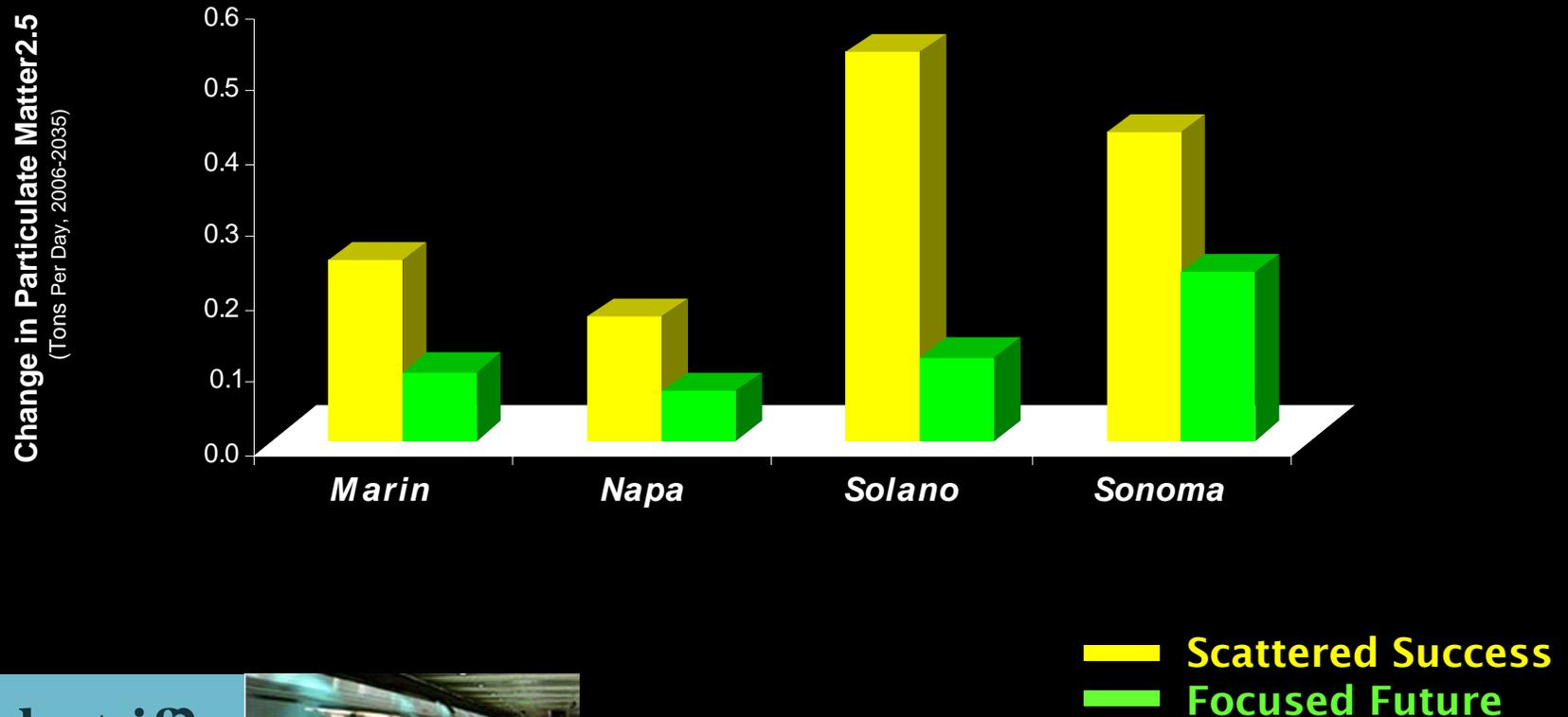
what if?

alternative growth scenarios



Two Futures, Circa 2035

Alternative Futures Particulate Matter_{2.5}



what if?

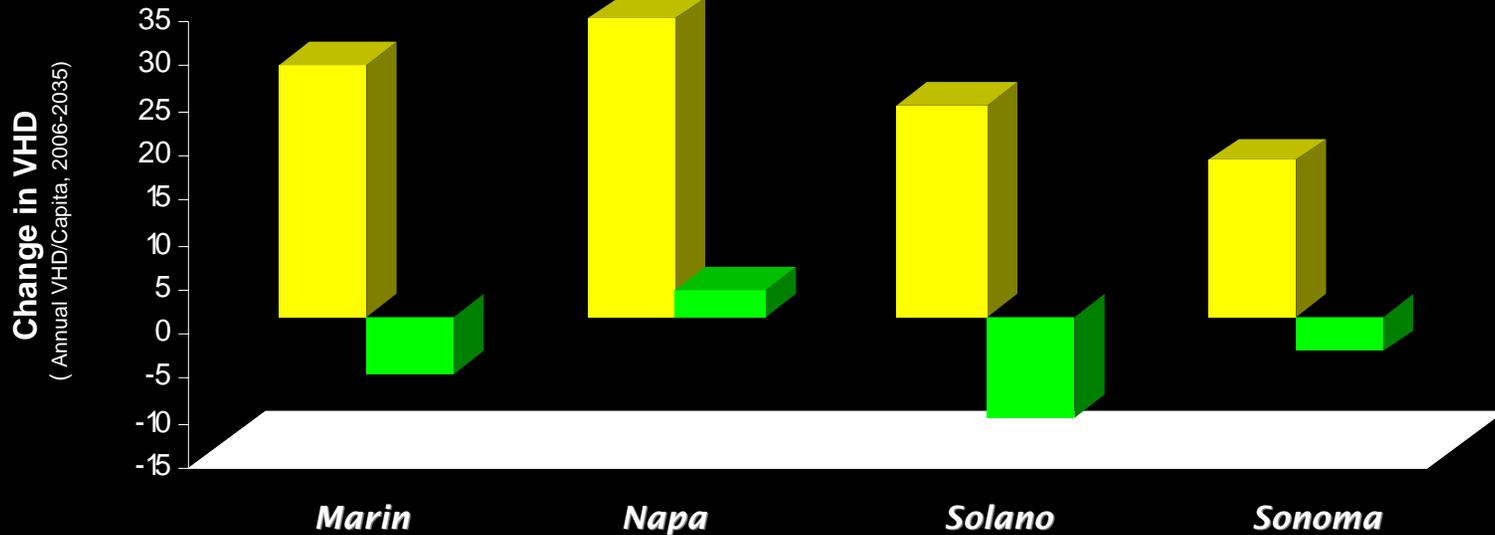
alternative growth scenarios



■ Scattered Success
■ Focused Future

Two Futures, Circa 2035

Alternative Futures Annual Delay (VHD/capita)



■ Scattered Success
■ Focused Future

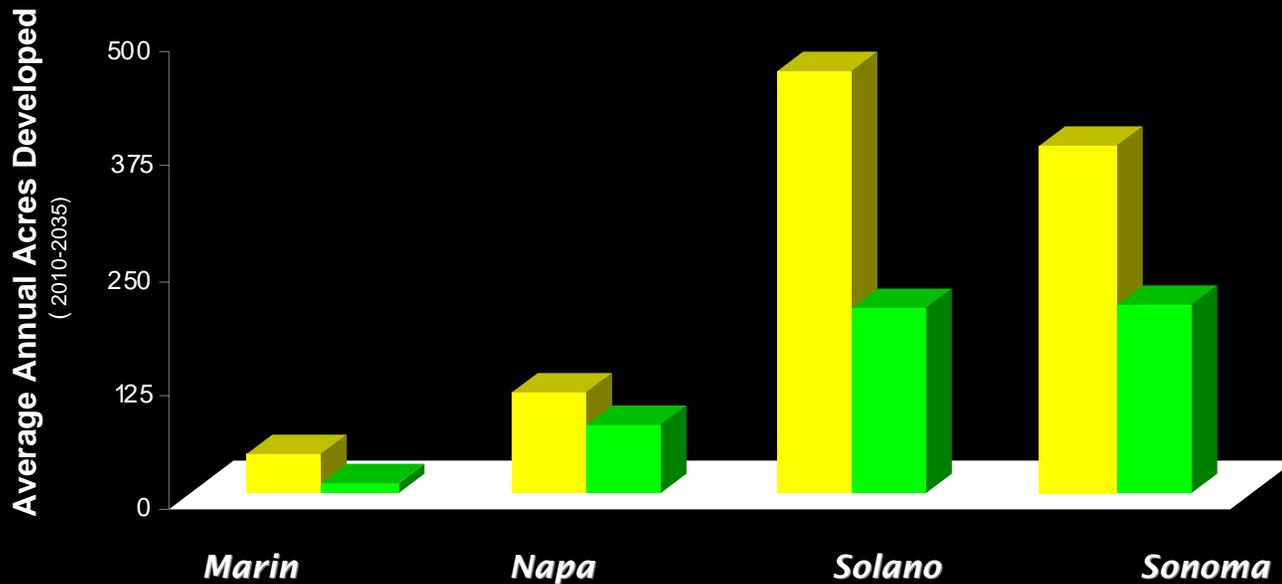
what if?

alternative growth scenarios



Two Futures, Circa 2035

Alternative Futures Greenfield Development



■ Scattered Success
■ Focused Future

what if?

alternative growth scenarios

