

what if?

alternative growth scenarios



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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

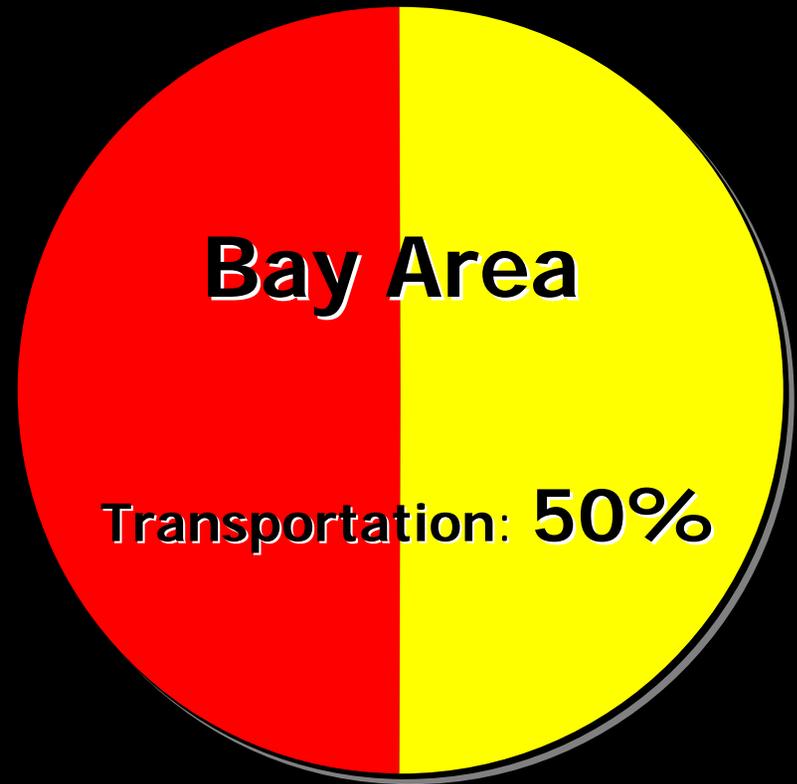
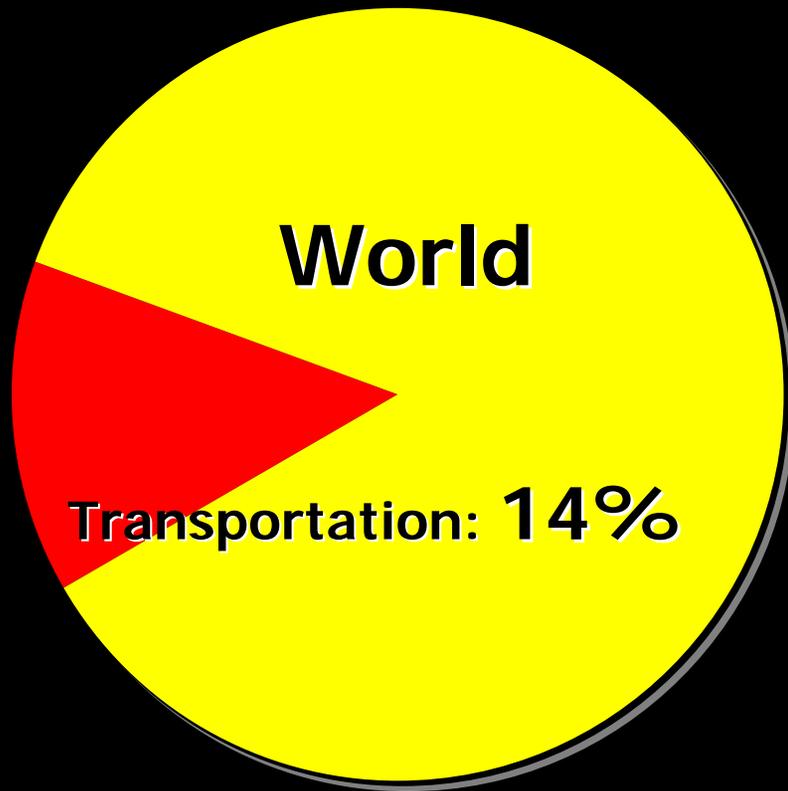
↑ Non-auto access to jobs and services by 20 percent

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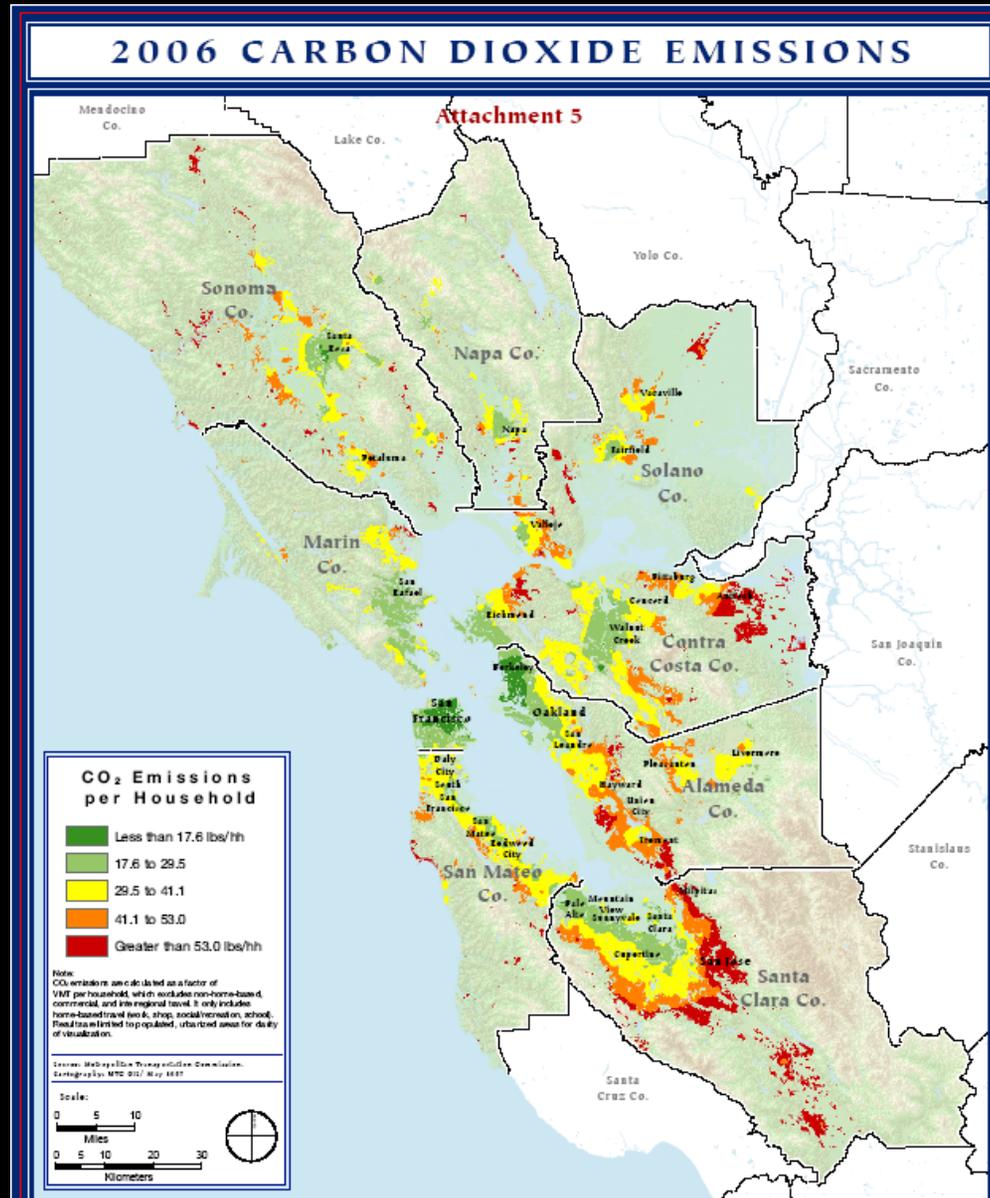


CO₂ Sources, Bay Area vs. World



Sources: USEIA, BAAQMD

CO₂ & Location & Mobility Choices



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

Two Futures, Circa 2035

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

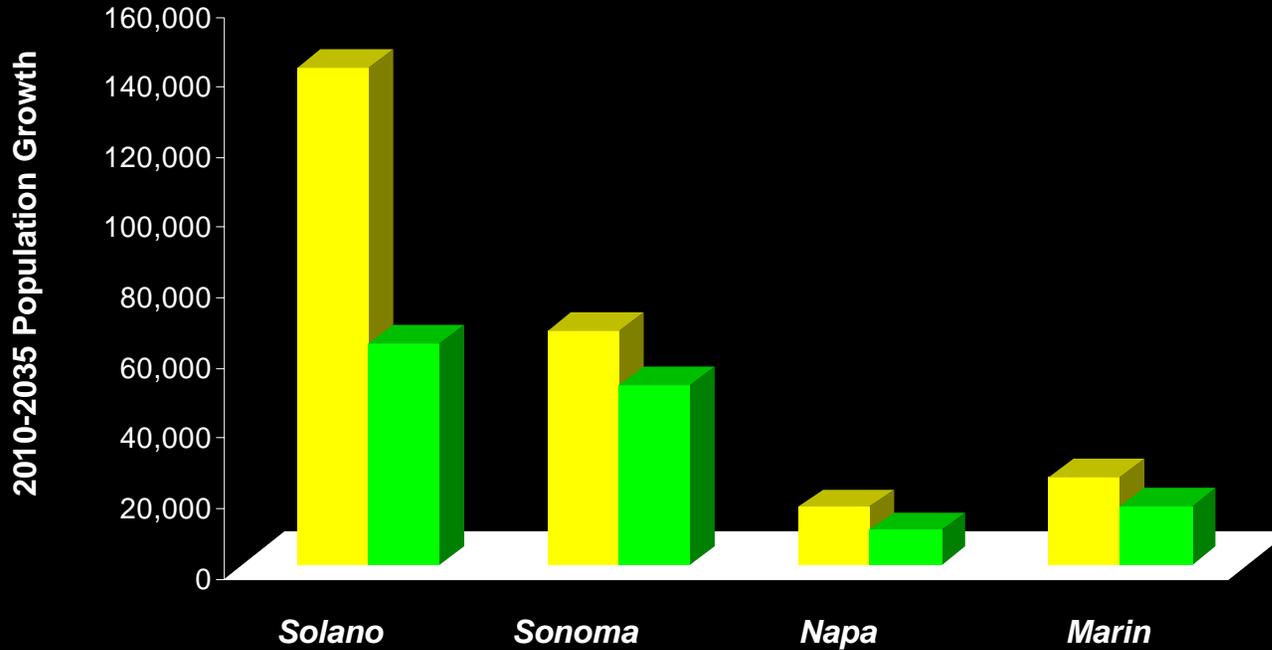
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Total Population North Bay



■ Scattered Success
■ Focused Future

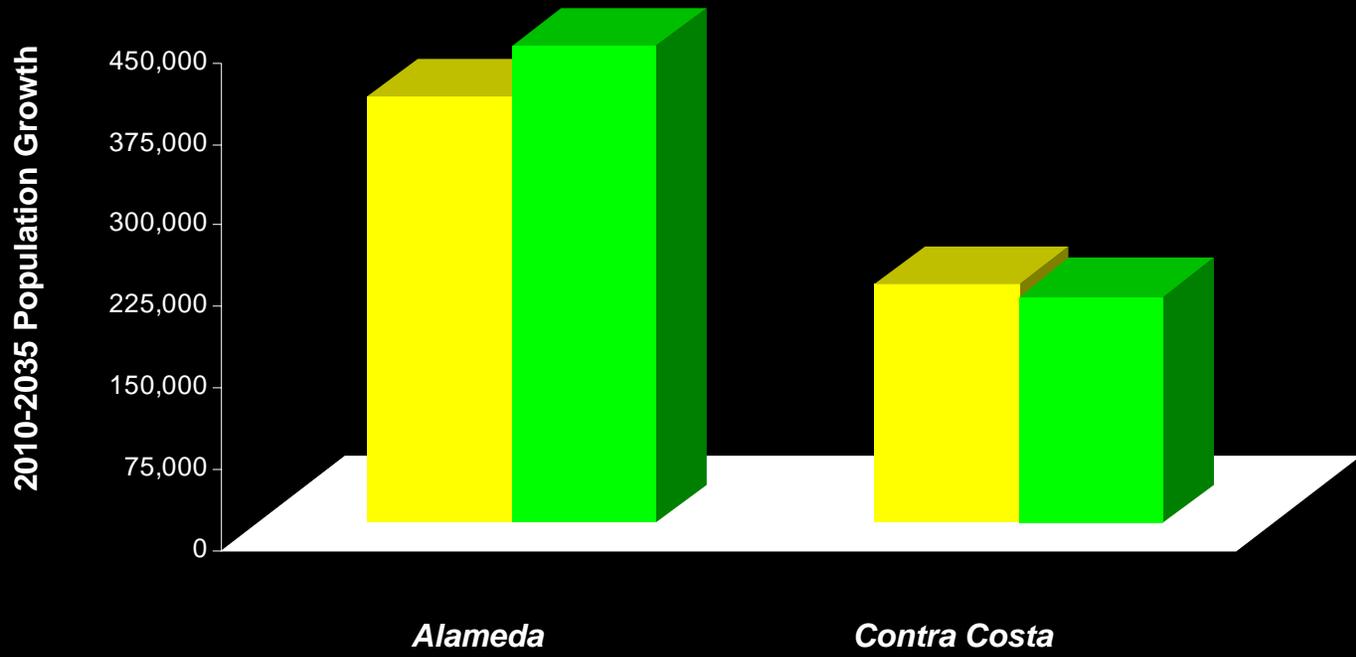
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Total Population East Bay



Scattered Success
Focused Future

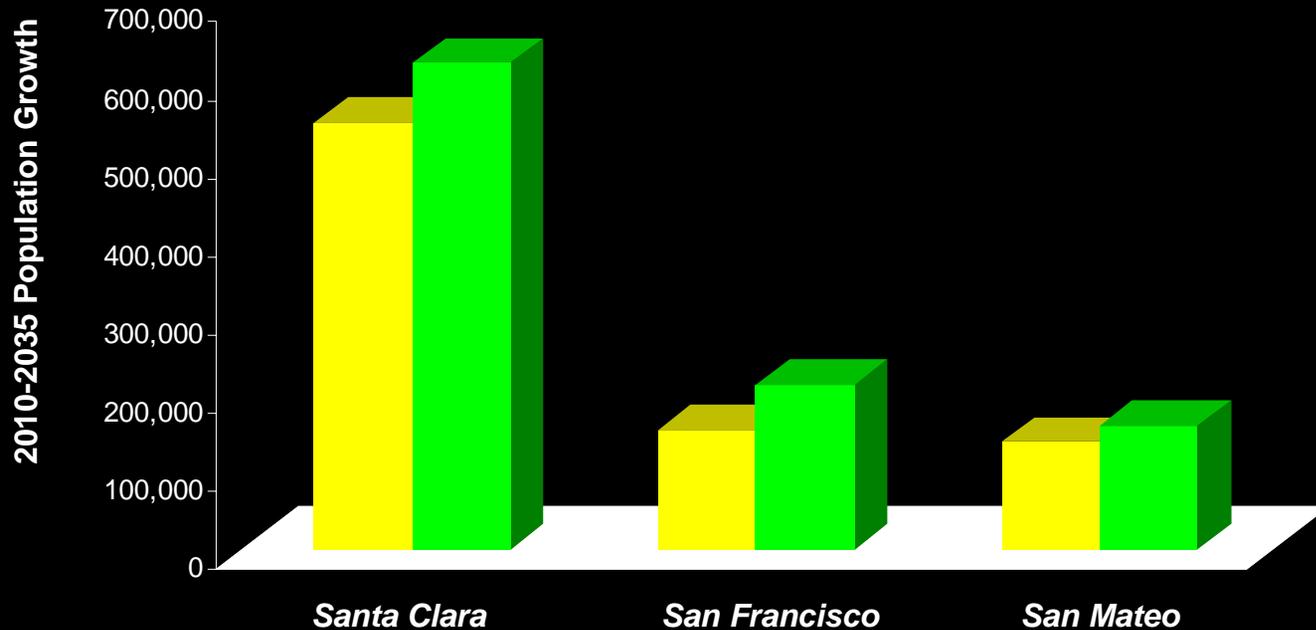
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Total Population Santa Clara, San Francisco, San Mateo



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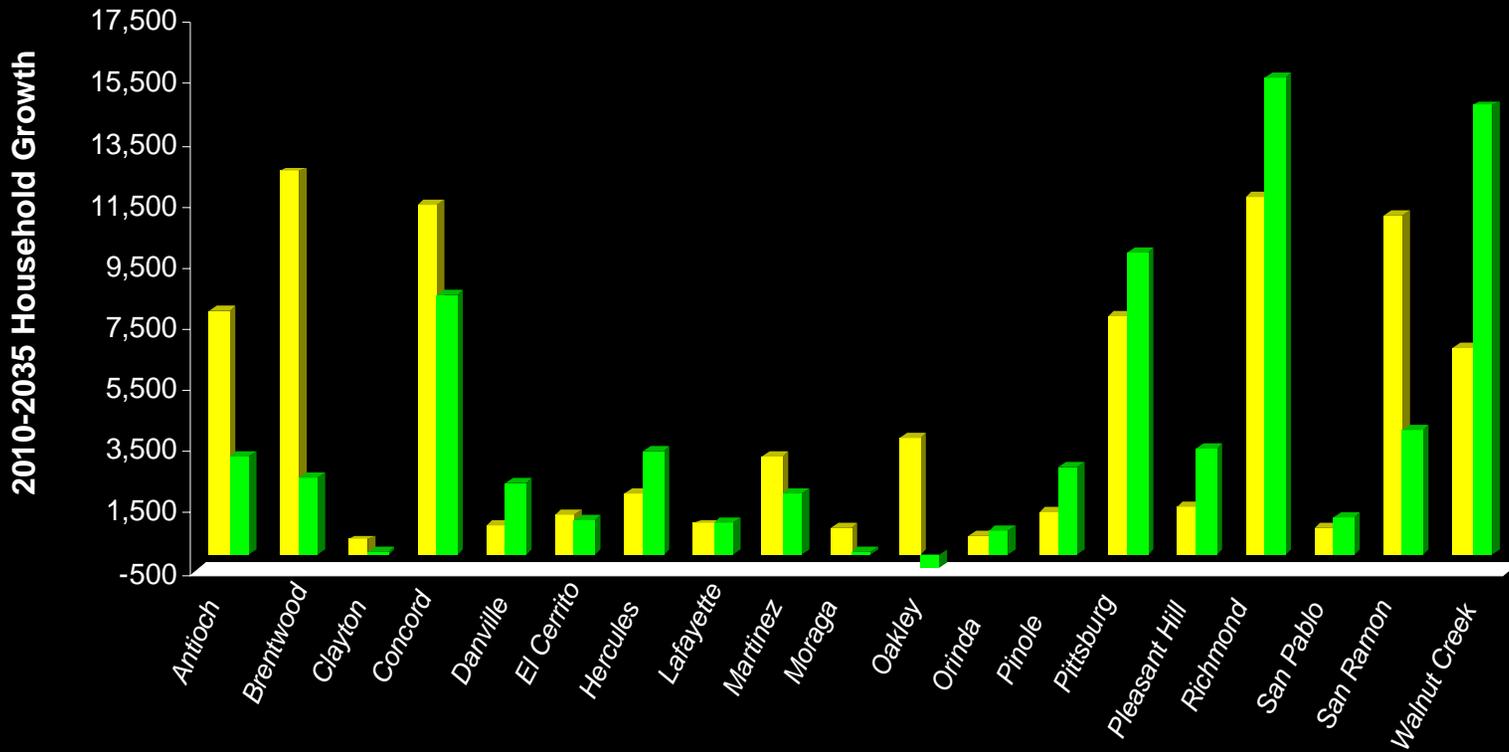
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Scattered Success
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Contra Costa County Housing Growth



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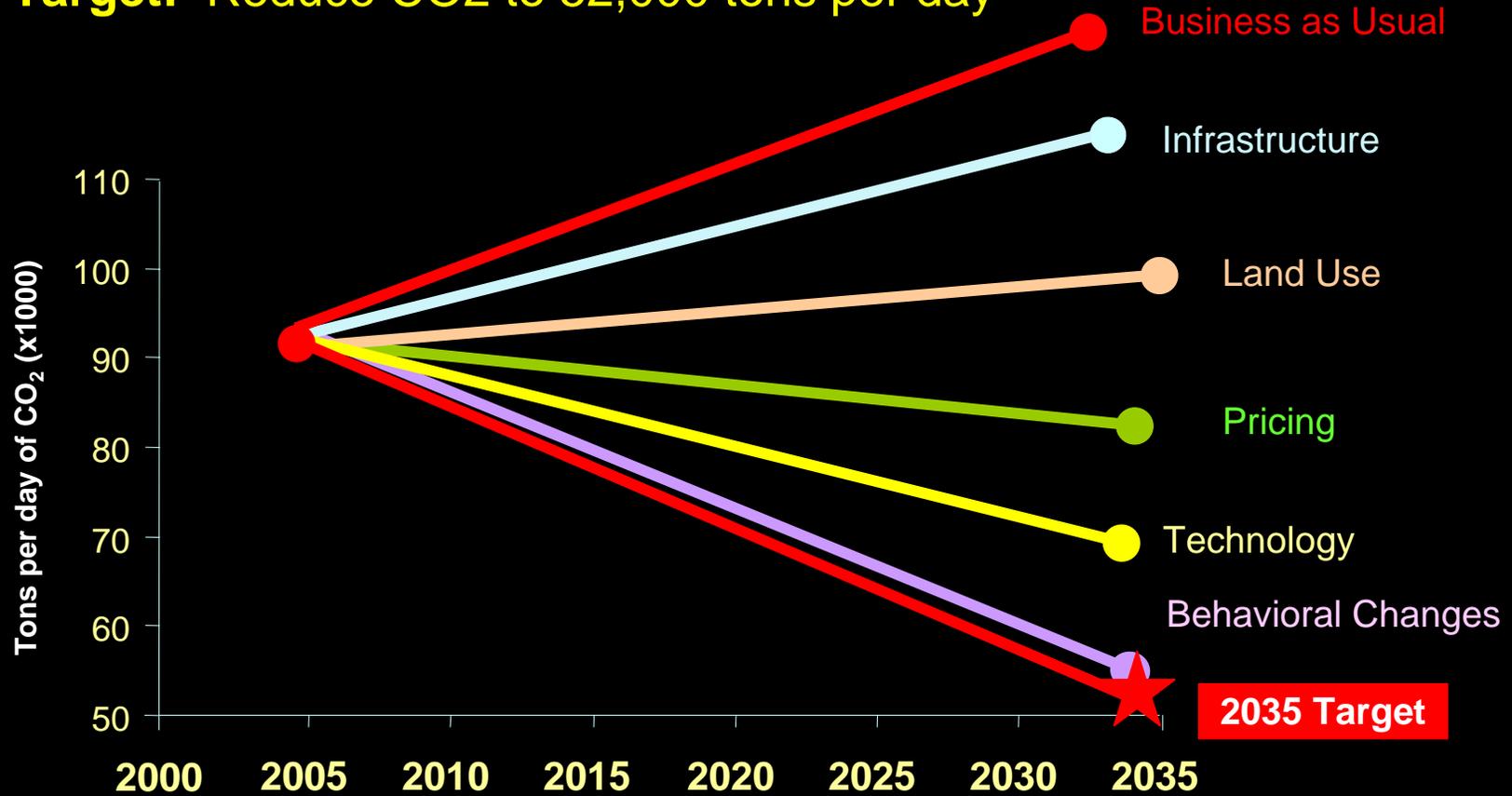
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■ Scattered Success
■ Focused Future

Land Use Necessary, Not Sufficient

Target: Reduce CO₂ to 52,000 tons per day



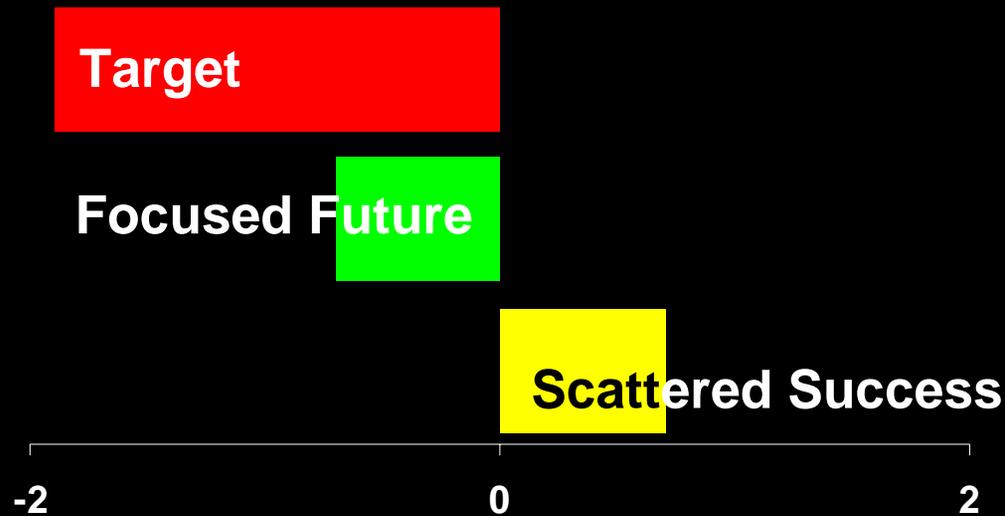
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Land Use Performance

Regional VMT per/capita



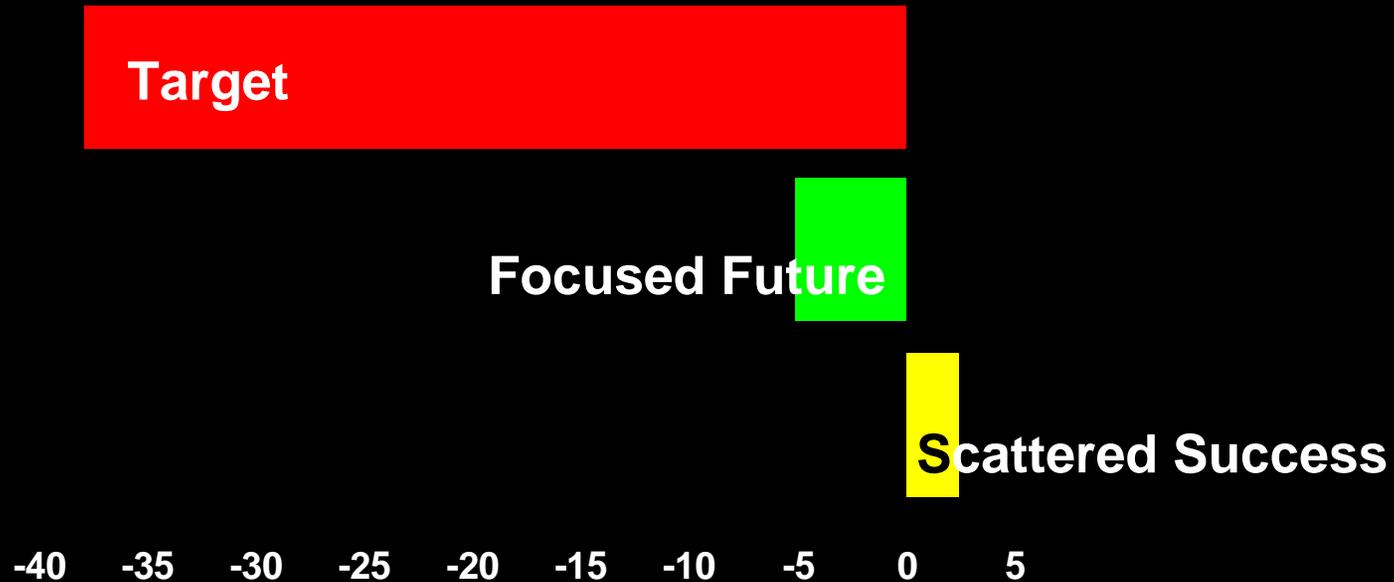
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Land Use Performance

Regional CO₂ Emissions



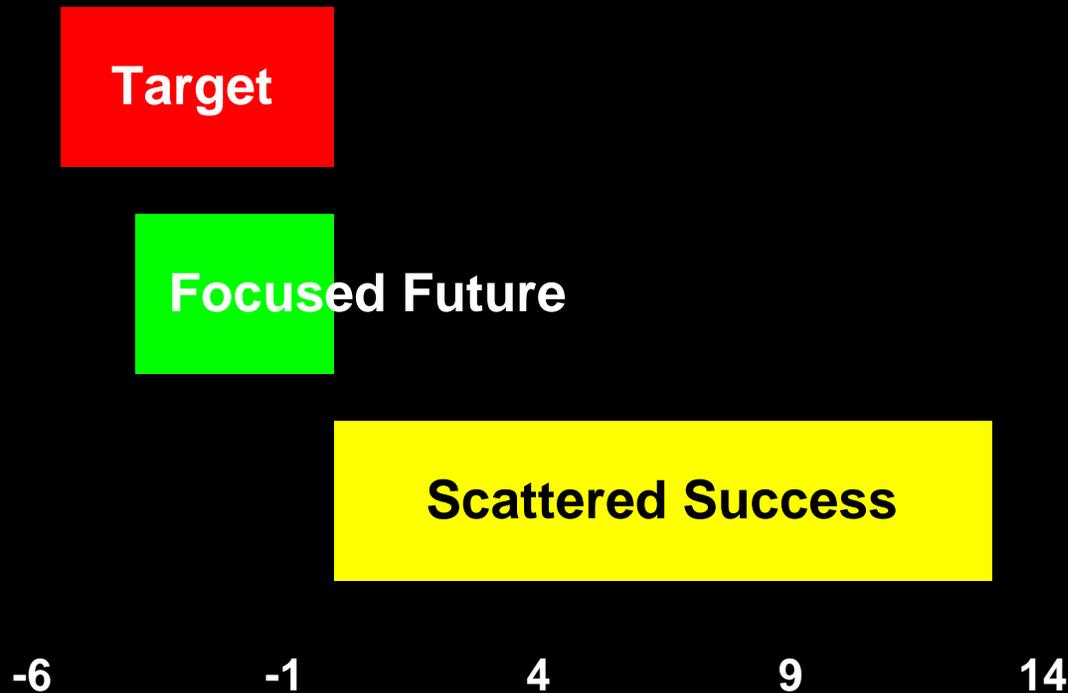
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Land Use Performance

Regional Delay per/capita



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Land Use Performance

Regional Particulate Matter₁₀

Target

Focused Future

Scattered Success

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

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Land Use Performance

Regional Particulate Matter_{2.5}

Target

Focused Future

Scattered Success

-3

-1

1

3

5

7

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Land Use Performance

Greenfield Development



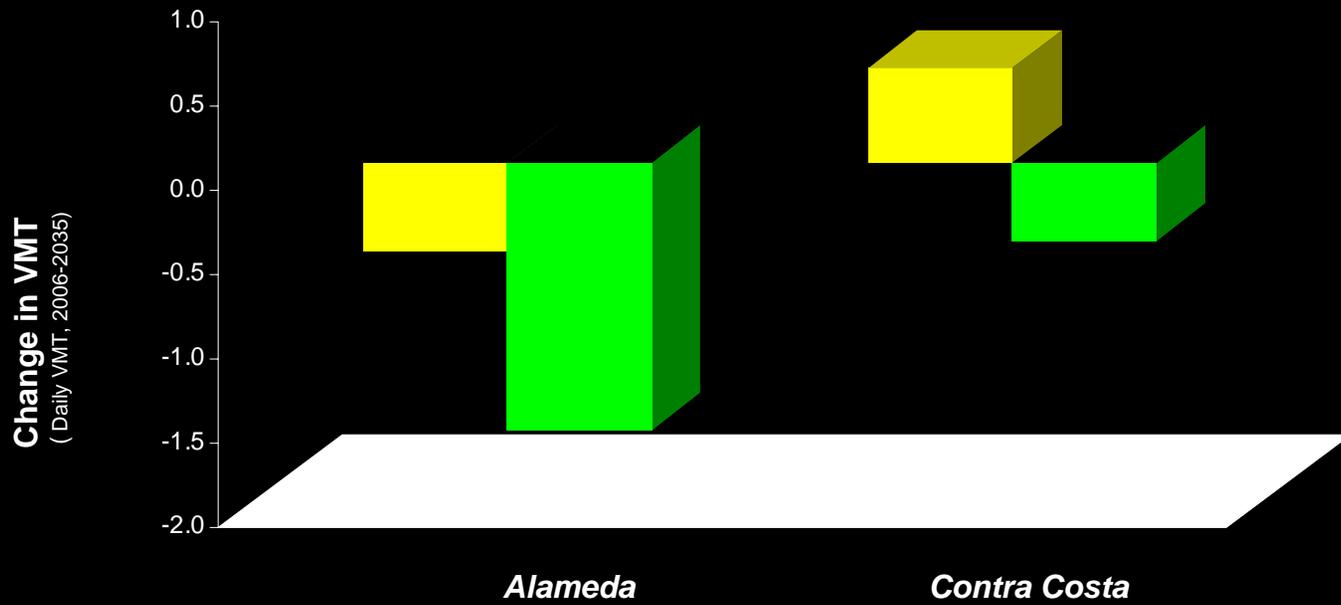
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Alternative Futures Driving (VMT/capita)



■ Scattered Success
■ Focused Future

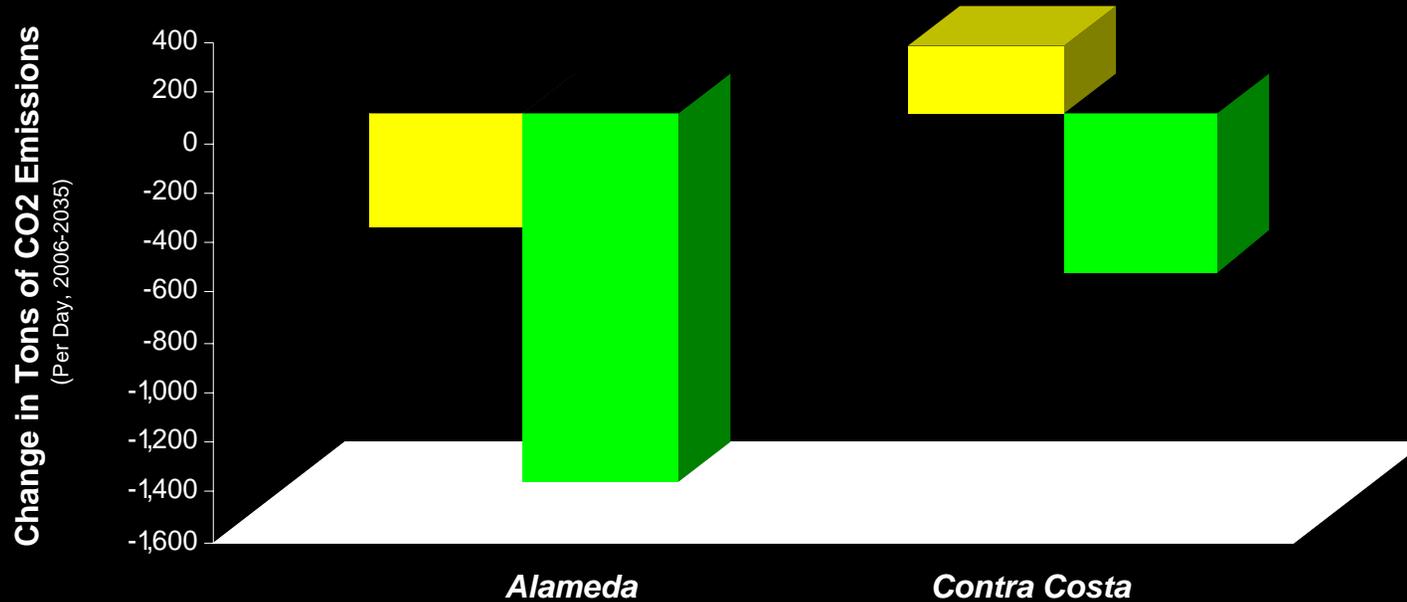
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Two Futures, Circa 2035

Alternative Futures CO₂ Emissions



■ Scattered Success
■ Focused Future

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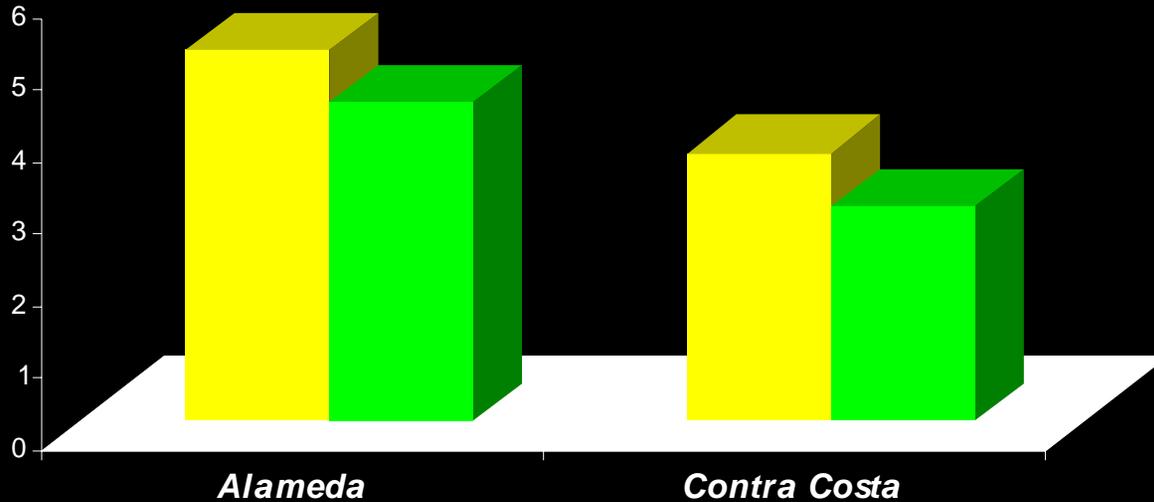
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Two Futures, Circa 2035

Alternative Futures Particulate Matter₁₀

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



■ Scattered Success
■ Focused Future

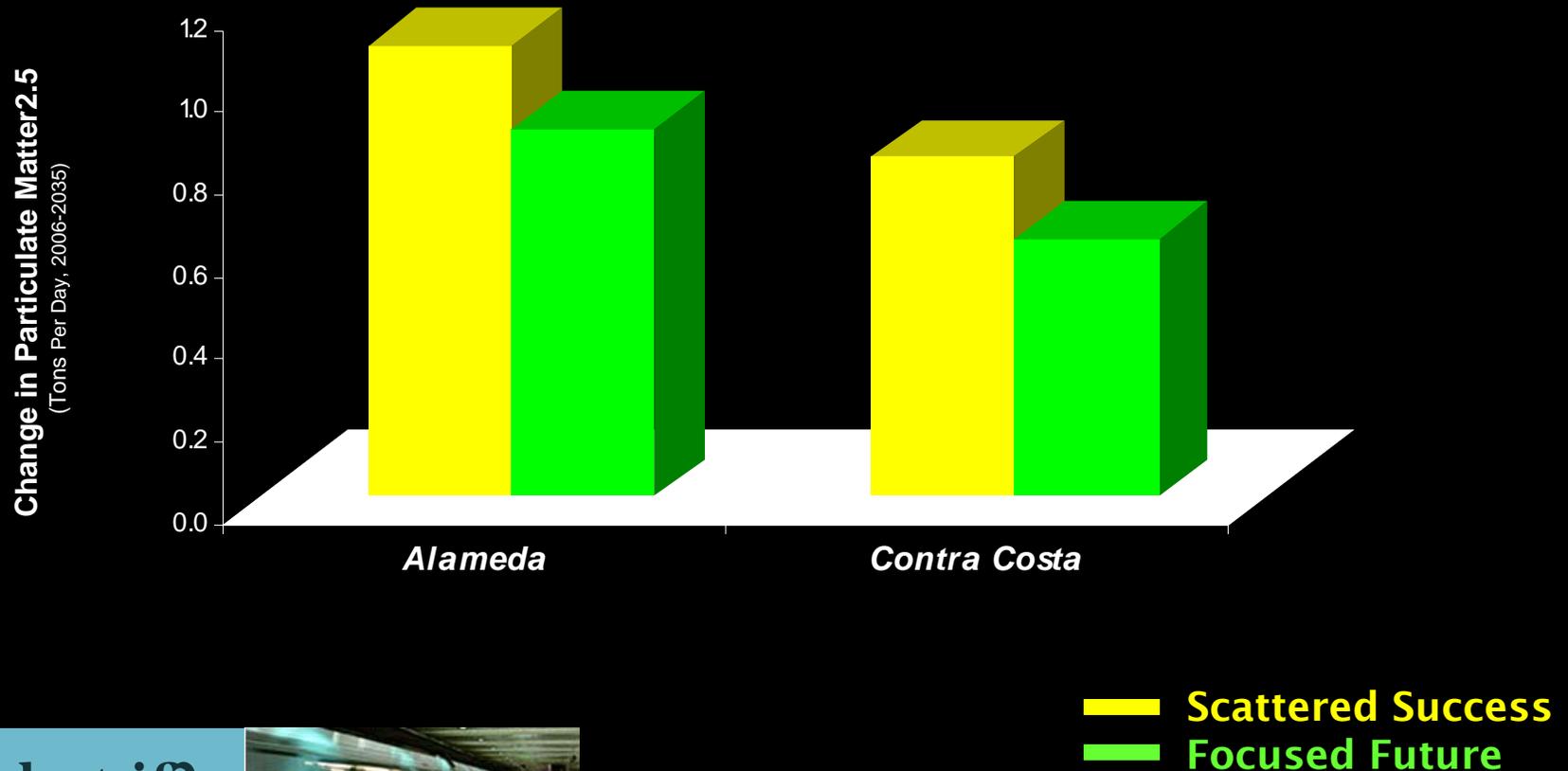
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Two Futures, Circa 2035

Alternative Futures Particulate Matter_{2.5}



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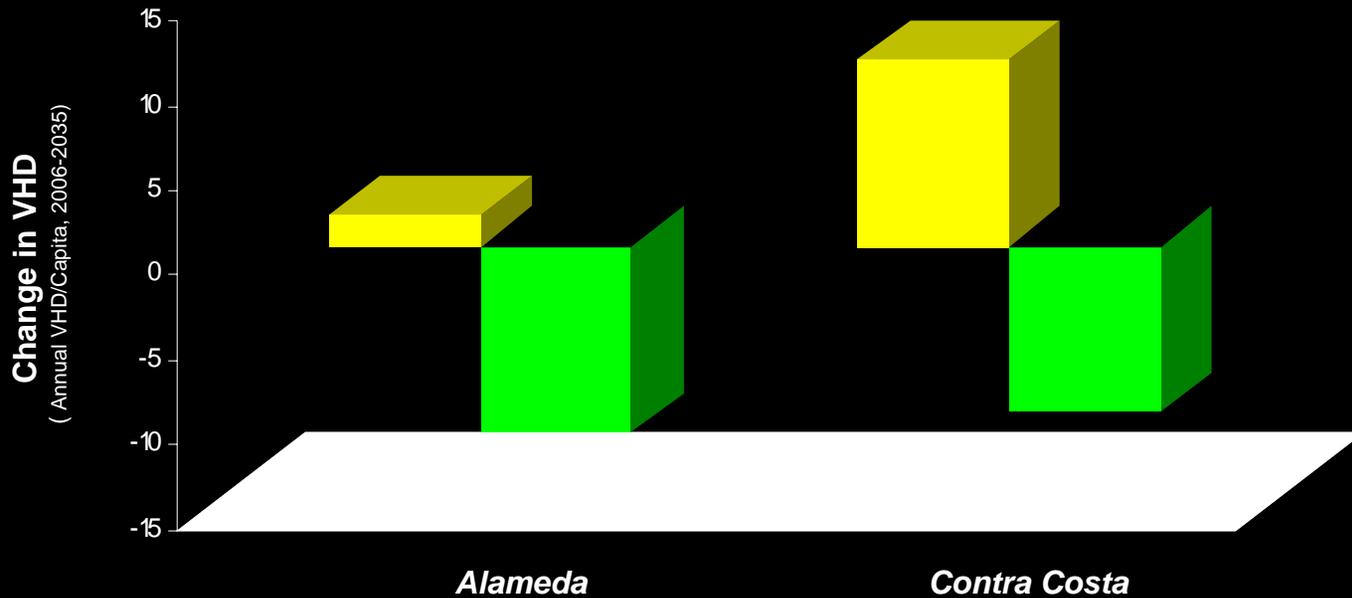
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■ Scattered Success
■ Focused Future

Two Futures, Circa 2035

Alternative Futures Annual Delay (VHD/capita)



■ Scattered Success
■ Focused Future

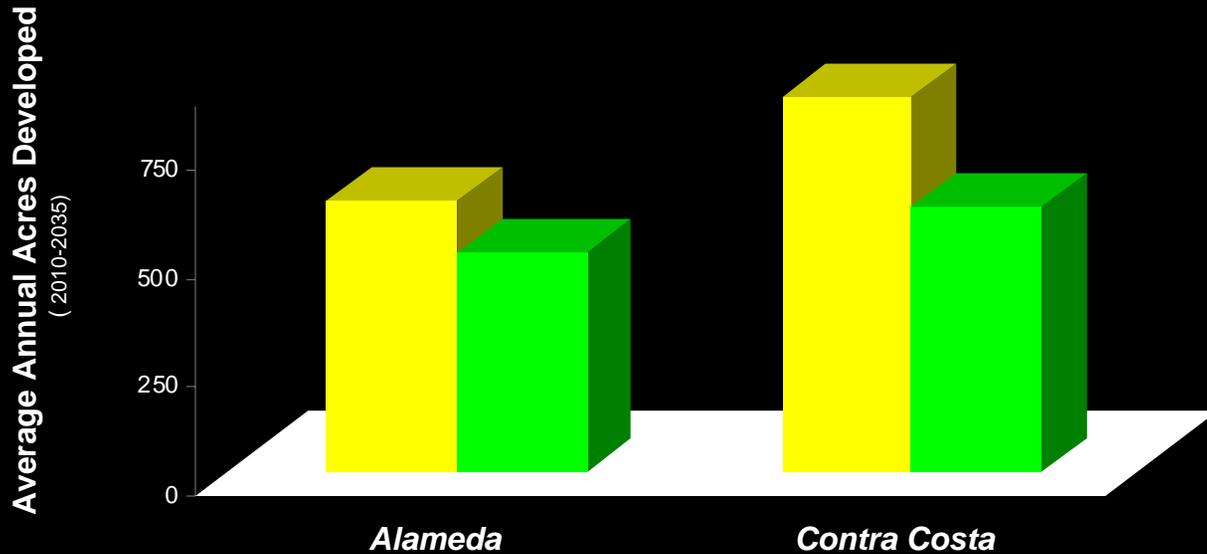
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Two Futures, Circa 2035

Alternative Futures Greenfield Development



■ Scattered Success
■ Focused Future

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