

what if?

alternative growth scenarios



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for projections 2009

# Performance Targets

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↓ 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

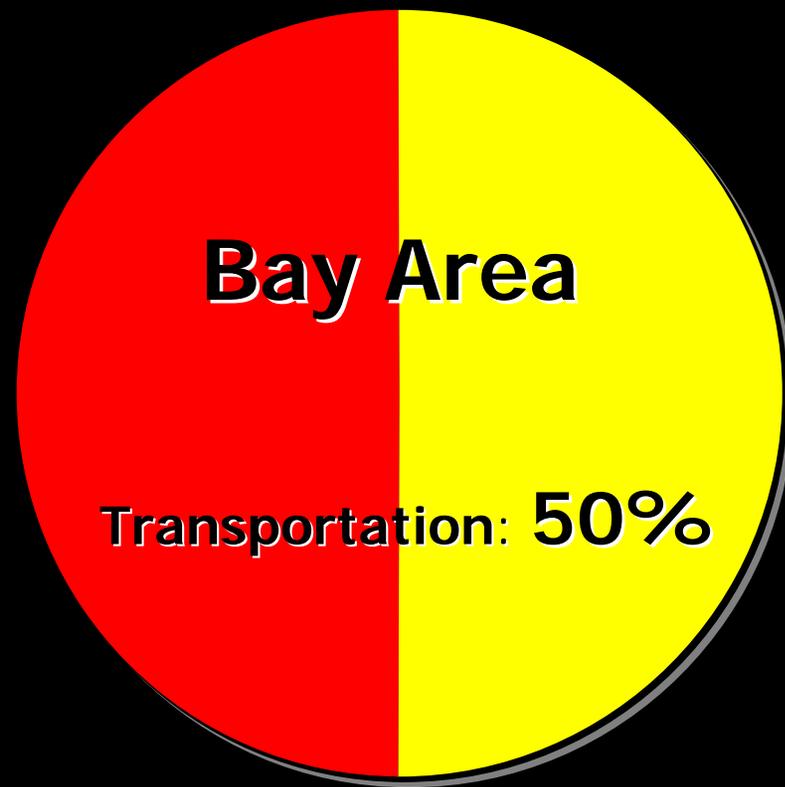
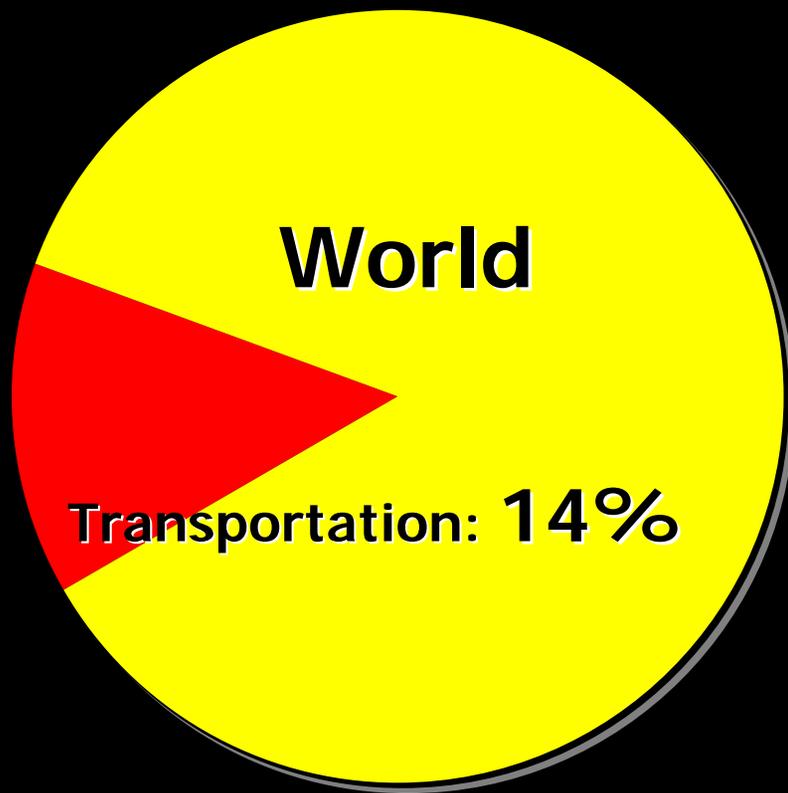
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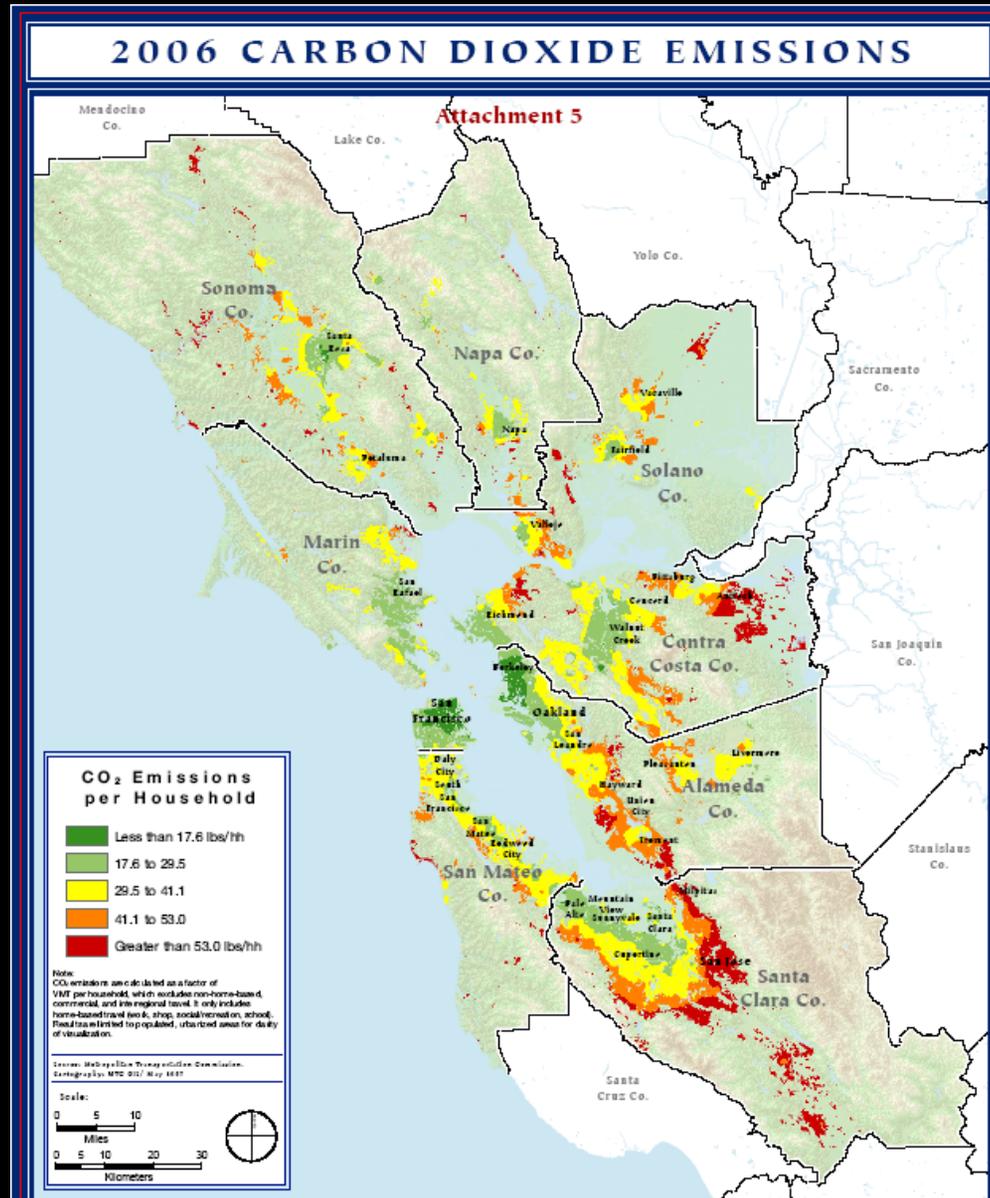
# CO<sub>2</sub> Sources, Bay Area vs. World

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Sources: USEIA, BAAQMD

# CO<sub>2</sub> & Location & Mobility Choices



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

# Two Futures, Circa 2035

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## 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

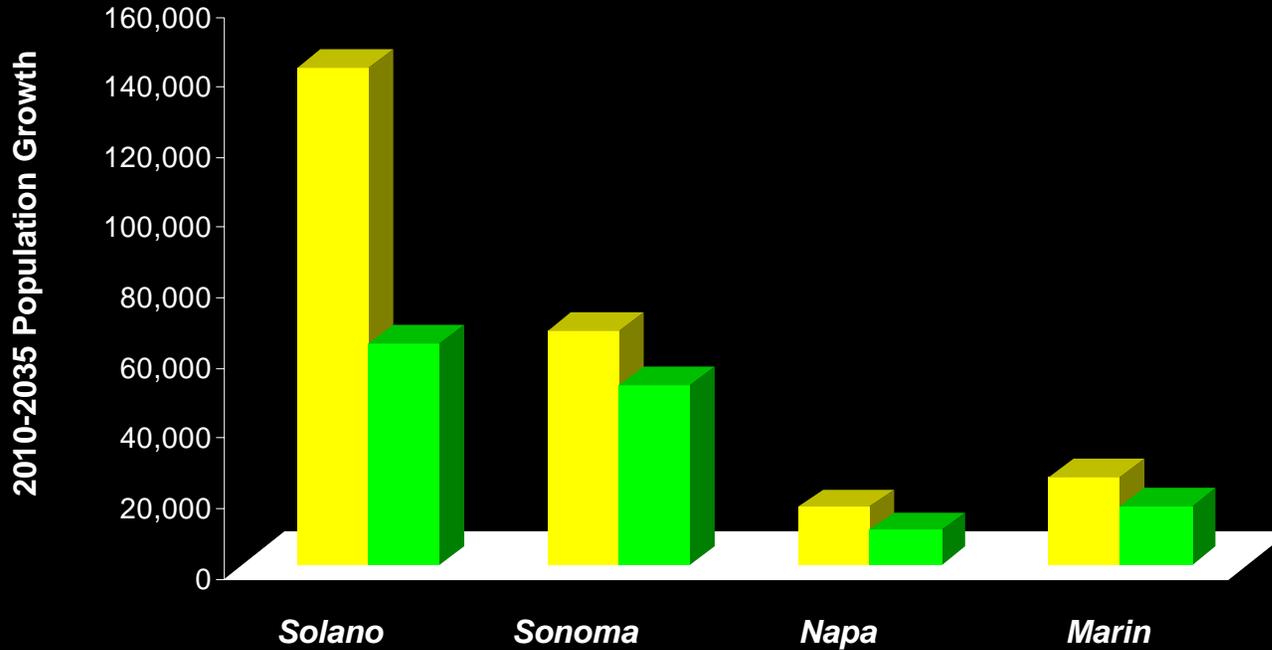
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# Two Futures, Circa 2035

## Total Population North Bay



■ Scattered Success  
■ Focused Future

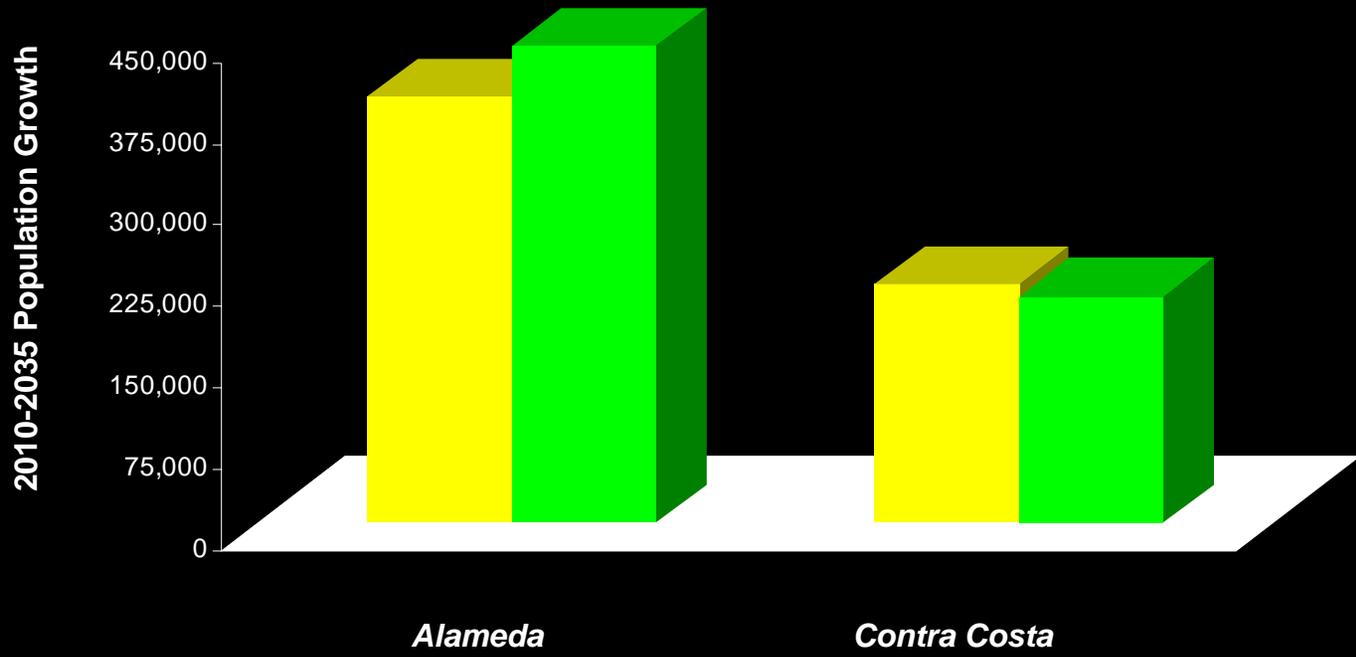
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# Two Futures, Circa 2035

## Total Population East Bay



Scattered Success  
Focused Future

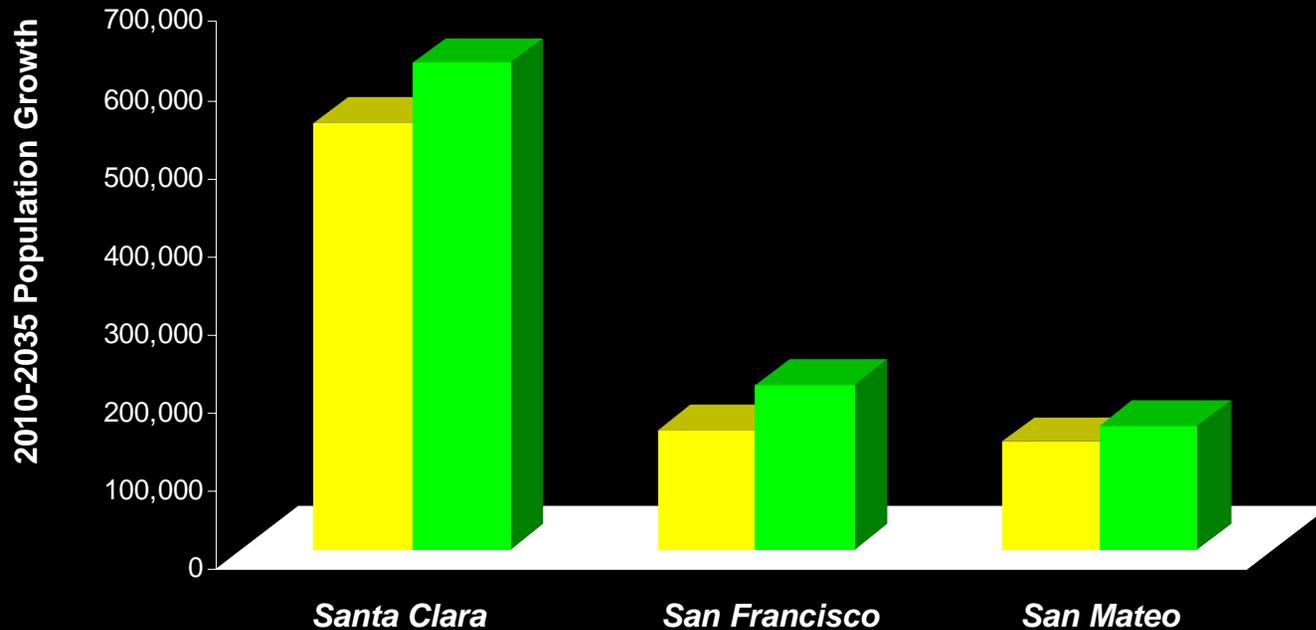
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# Two Futures, Circa 2035

## Total Population Santa Clara, San Francisco, San Mateo



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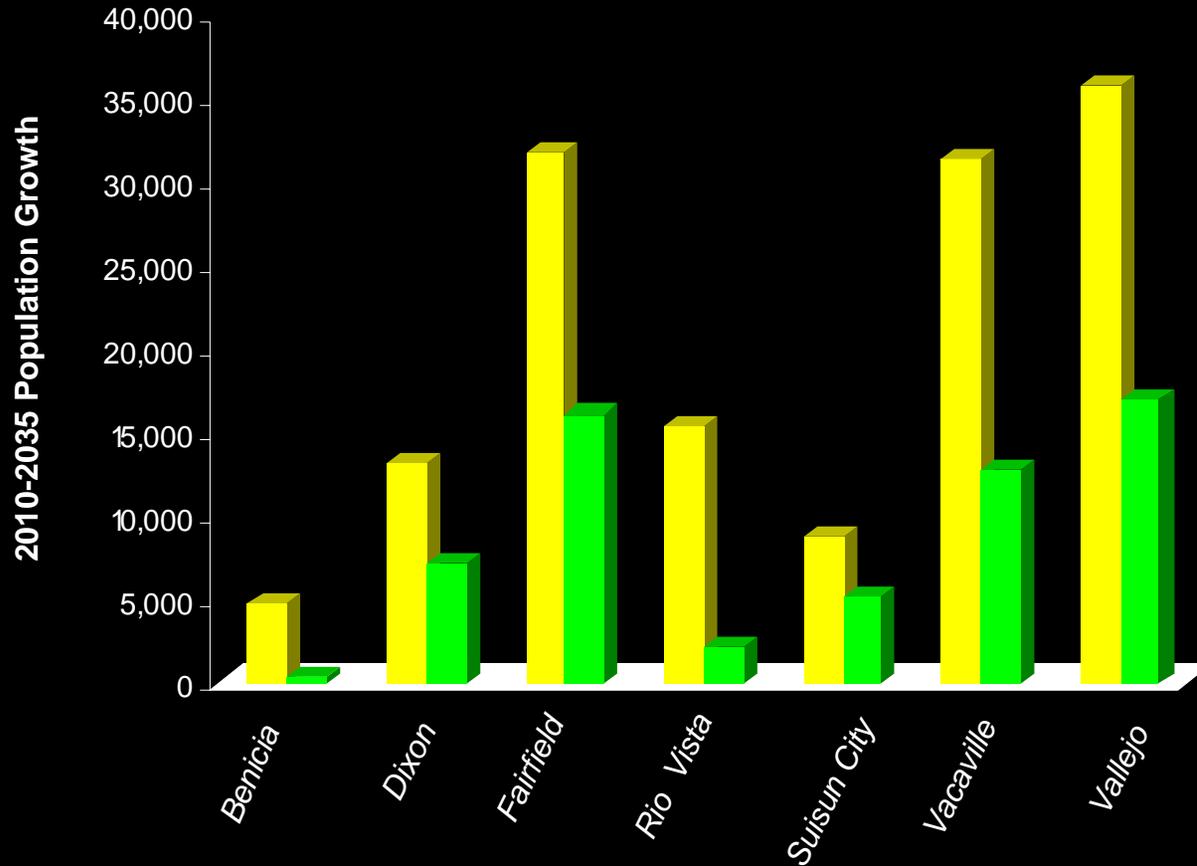
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Scattered Success  
Focused Future

# Two Futures, Circa 2035

## Solano County Population Growth



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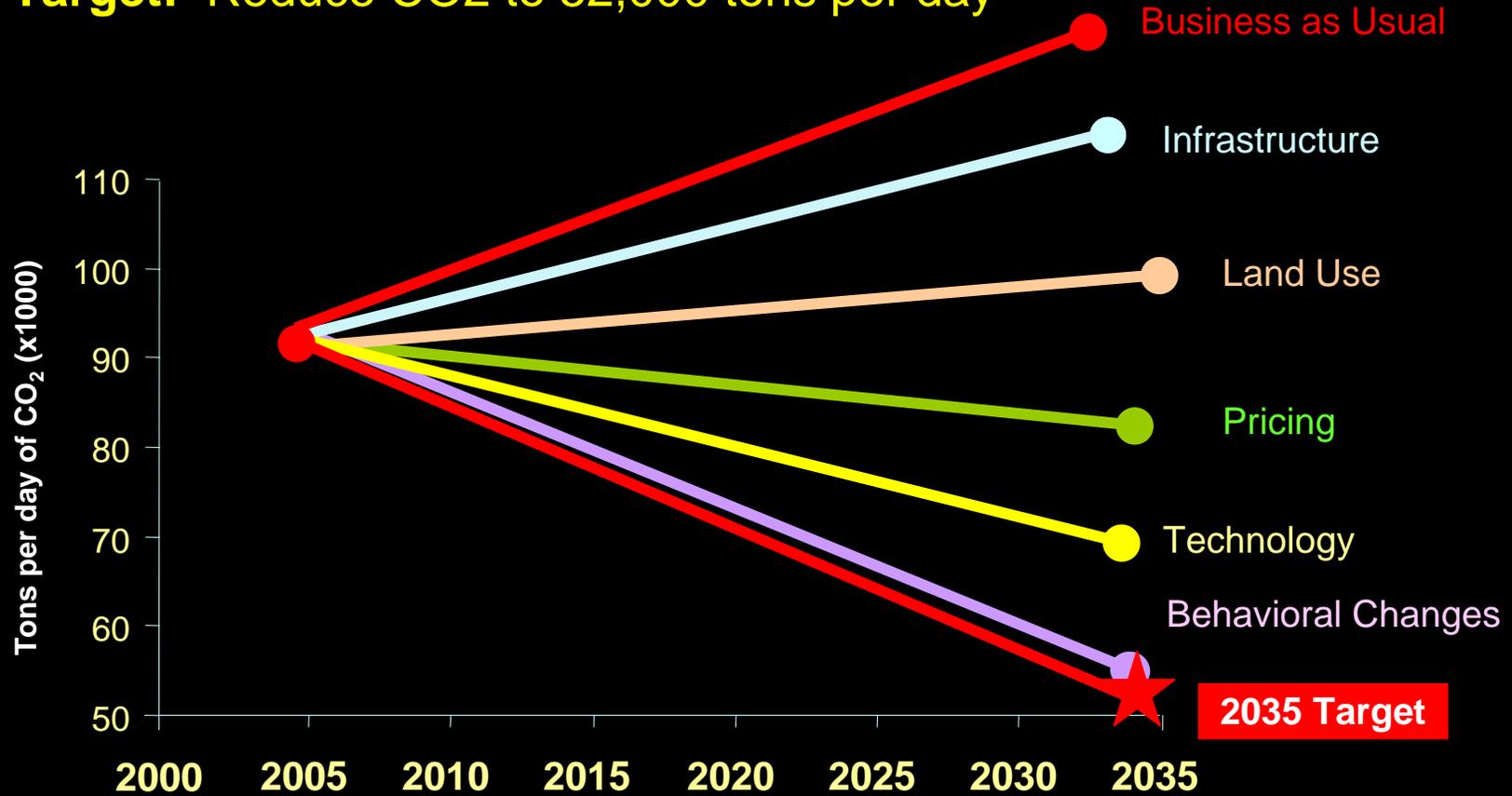
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Scattered Success  
Focused Future

# Land Use Necessary, Not Sufficient

**Target:** Reduce CO<sub>2</sub> to 52,000 tons per day



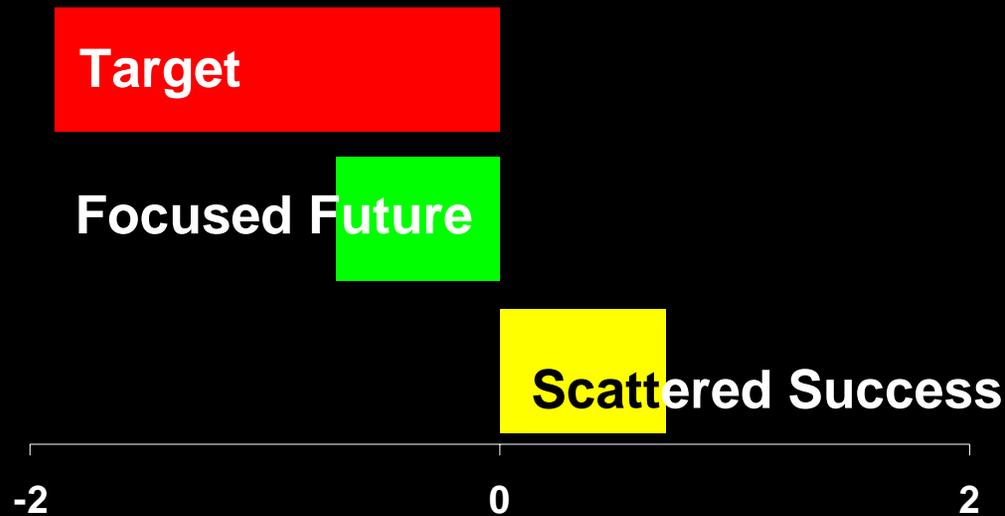
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# Land Use Performance

Regional VMT per/capita



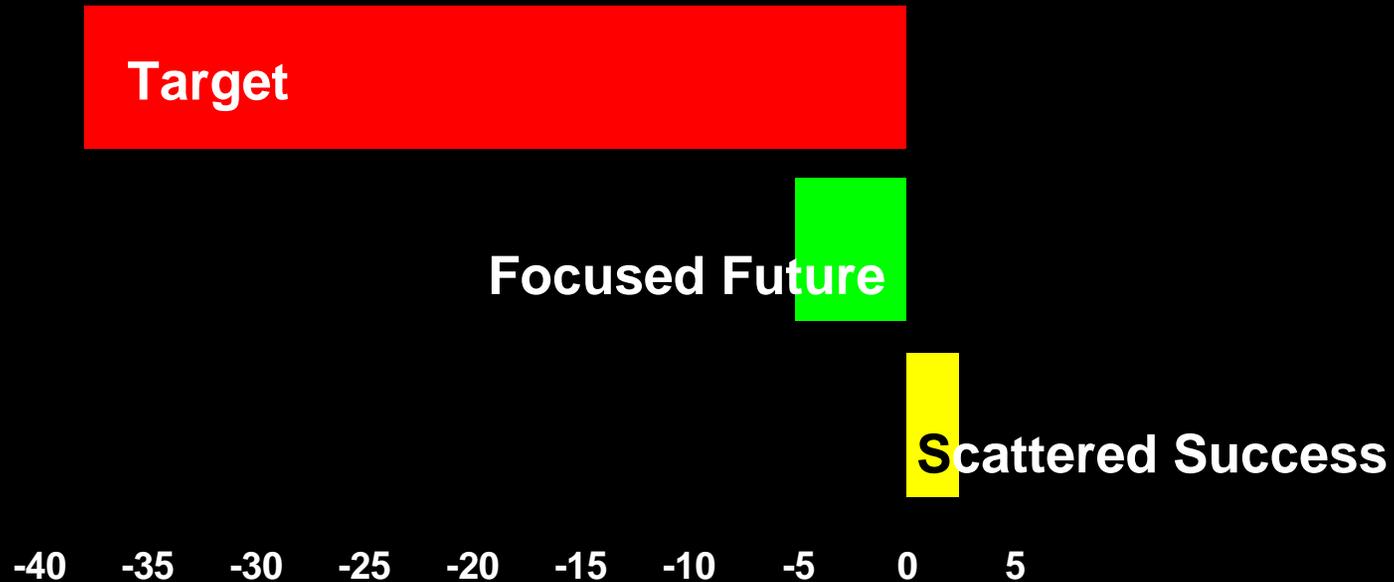
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# Land Use Performance

## Regional CO<sub>2</sub> Emissions



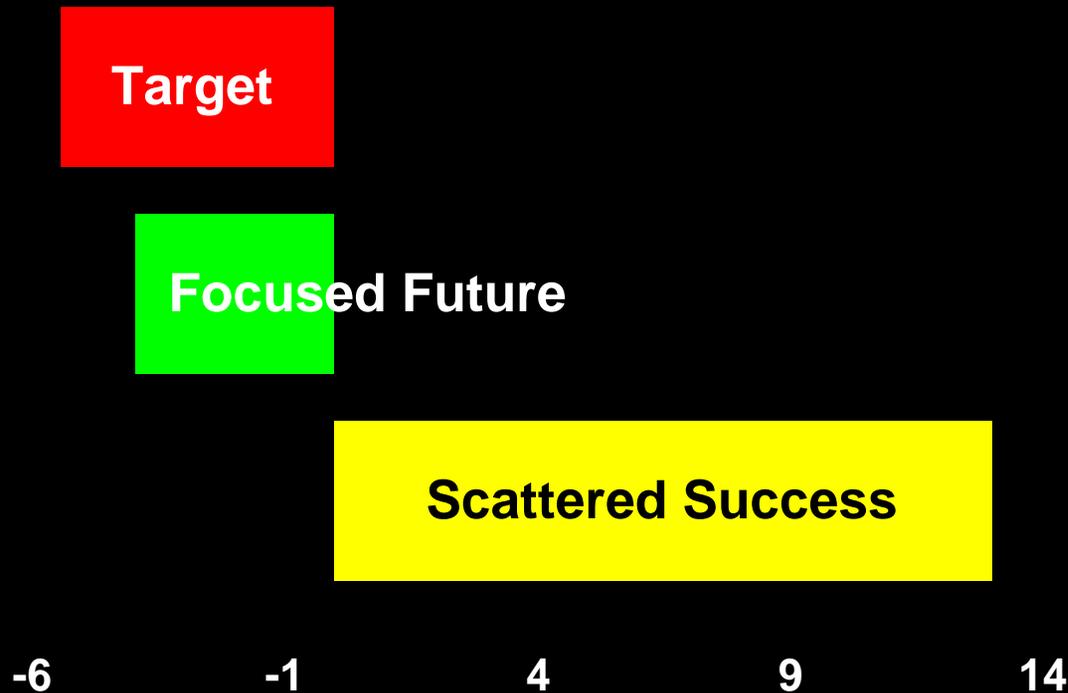
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# Land Use Performance

**Regional Delay** per/capita



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# Land Use Performance

## Regional Particulate Matter<sub>10</sub>

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

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## Regional Particulate Matter<sub>2.5</sub>

Target

Focused Future

Scattered Success

-3

-1

1

3

5

7

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# Land Use Performance

## Greenfield Development



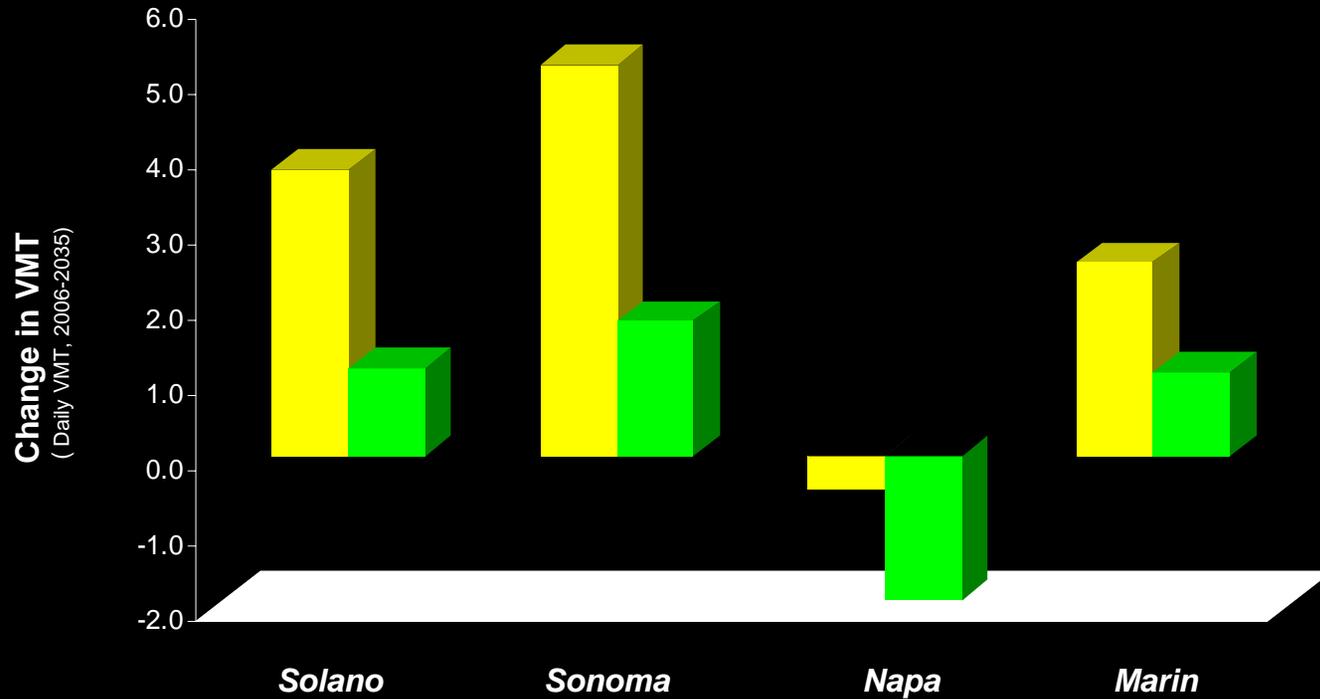
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# Two Futures, Circa 2035

## Alternative Futures Driving (VMT/capita)



■ Scattered Success  
■ Focused Future

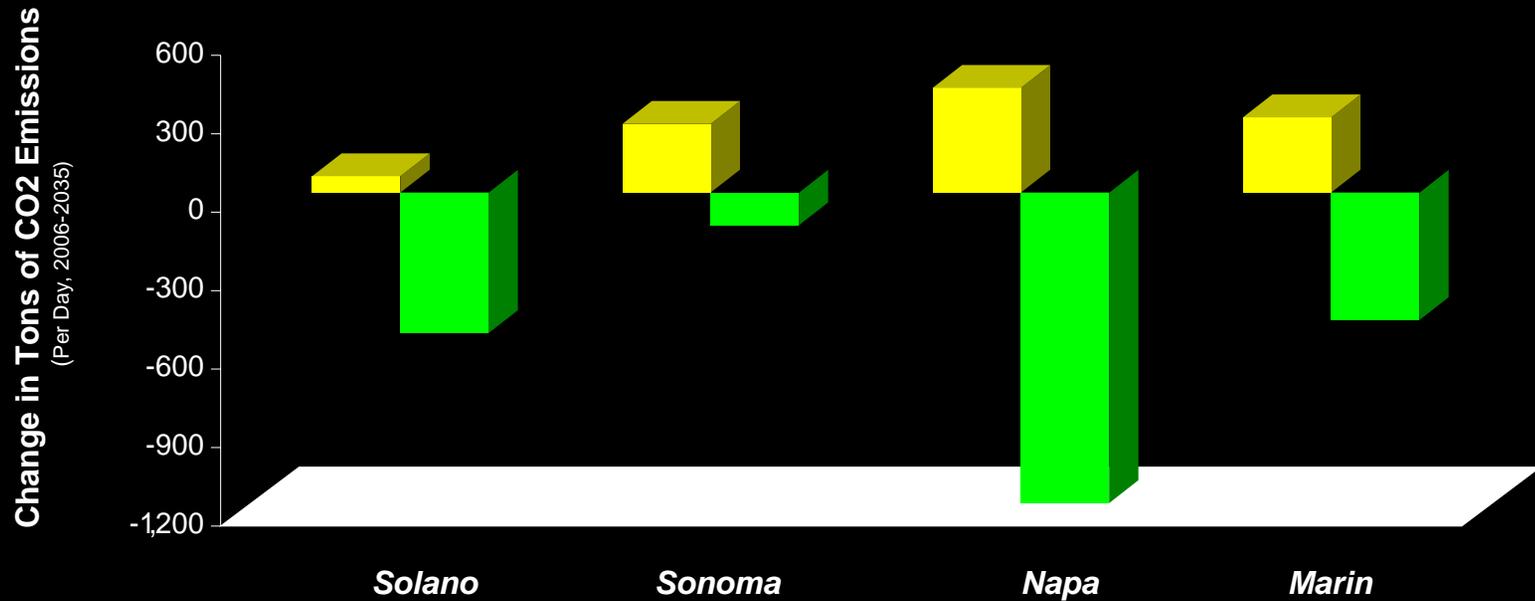
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# Two Futures, Circa 2035

## Alternative Futures CO<sub>2</sub> Emissions



■ Scattered Success  
■ Focused Future

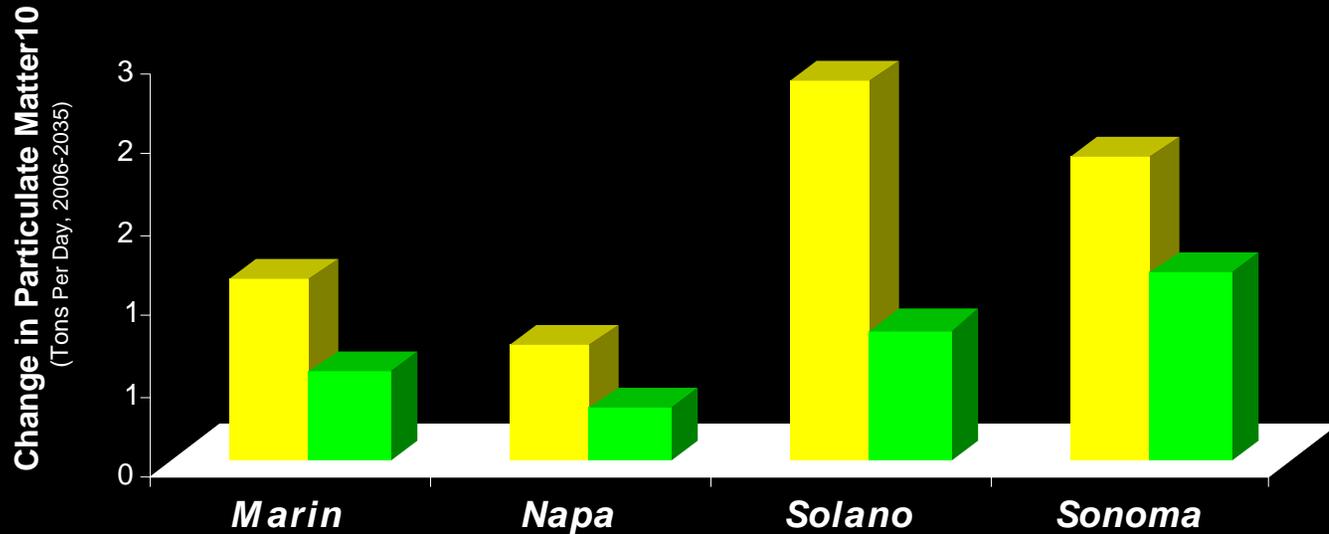
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# Two Futures, Circa 2035

## Alternative Futures Particulate Matter<sub>10</sub>



■ Scattered Success  
■ Focused Future

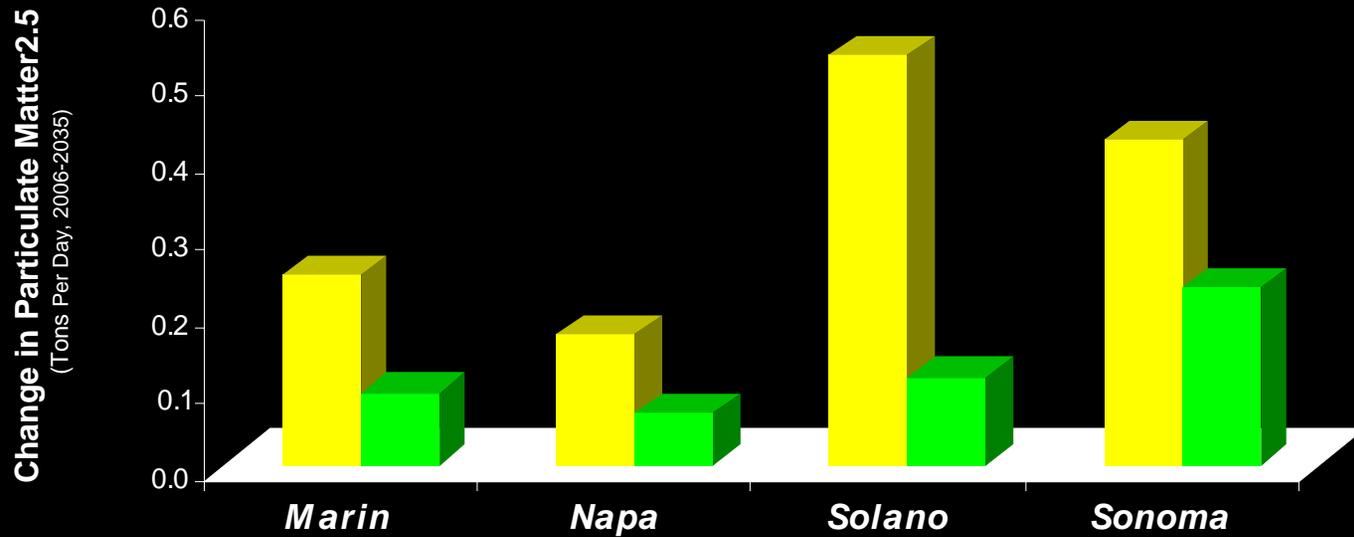
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# Two Futures, Circa 2035

## Alternative Futures Particulate Matter<sub>2.5</sub>



■ Scattered Success  
■ Focused Future

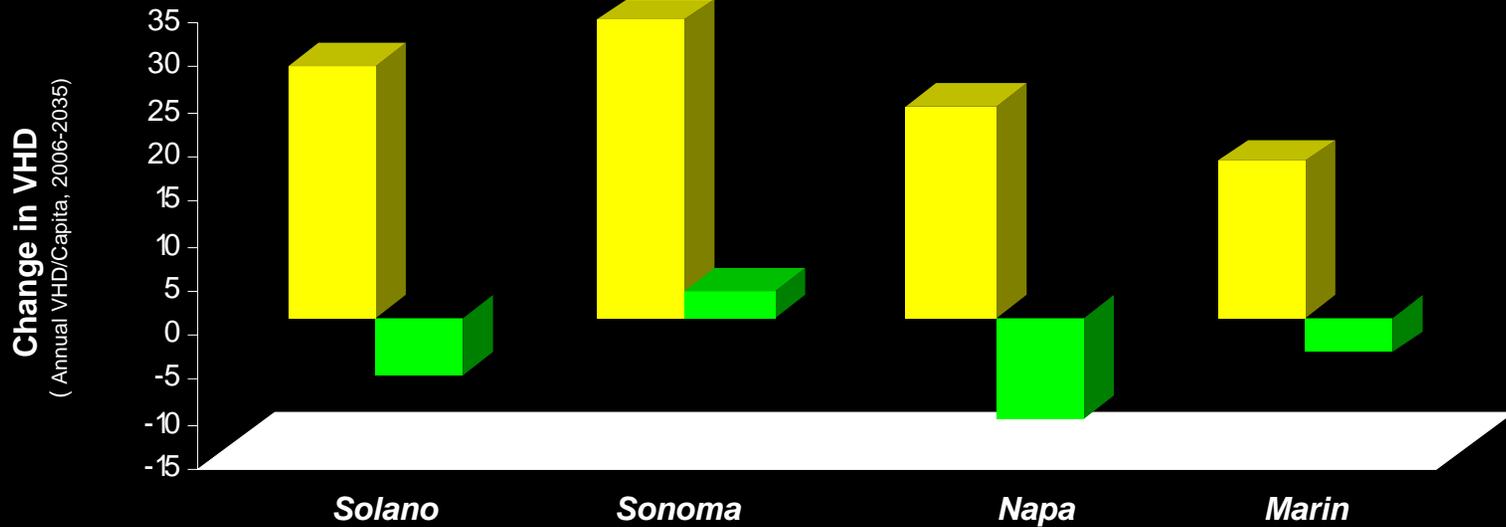
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# Two Futures, Circa 2035

## Alternative Futures Annual Delay (VHD/capita)



■ Scattered Success  
■ Focused Future

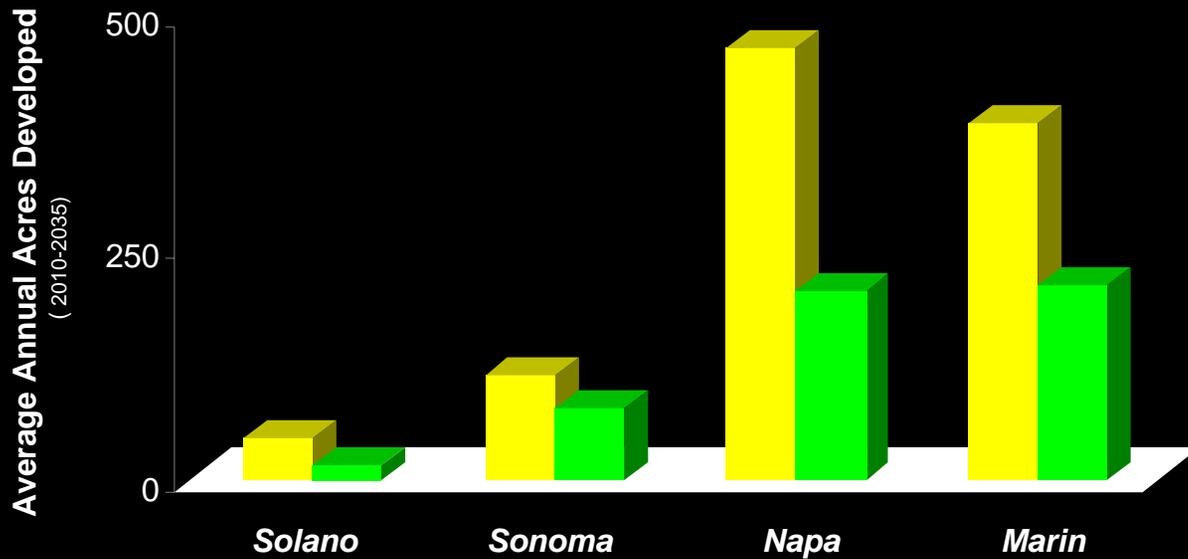
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# Two Futures, Circa 2035

## Alternative Futures Greenfield Development



■ Scattered Success  
■ Focused Future

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