Stopping High Speed Sprawl: How the San Joaquin Valley can manage growth around the proposed system

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• Connecting business, environmental, academic, and government leaders

• Addressing environmental and energy needs
Policy Reports
More Extreme Weather

Chart 1: Weather catastrophes worldwide 1980-2012

Source: Münchener Rückversicherungs-Gesellschaft, Geo Risks Research, NatCatSERVICE – As at January 2013

- Climatological events (Extreme temperature, drought, forest fire)
- Hydrological events (Flood, mass movement)
- Meteorological events (Storm)
California Weather Report: Sunny and Hot

Figure 1. California Historical & Projected July Temperature Increase 1961-2099
Economic Impacts & Bottleshock
Climate Change and Transportation

Figure 4: Statewide 2011 GHG Emissions by Sector

Transportation 38%

- Industrial 21%
- Electric Power 19%
- Commercial and Residential 10%
- Agriculture 7%
- High GWP 3%
- Recycling and Waste 2%

The 3-Legged Stool

- Vehicles
- Fuels
- VMT

Center for Clean Air Policy
2020 & 2050 Greenhouse Gas Reduction Goals

The graph illustrates the projected and baseline emissions from 1990 to 2050. The target shows a significant reduction in emissions, especially noticeable from 2010 to 2020. The baseline, indicated by the red line, shows an increase in emissions. The 2020 target is marked with a yellow square, showing a substantial decrease from the baseline. The 2050 target is projected further down the graph, indicating a continued decrease in emissions.
Electrifying transportation & decarbonizing efficient electricity use
San Joaquin Valley

- $43B agriculture
- 14.9% unemployment
- 3.8M pop. in 2010 to 7.47M by 2050
Development Pressures
Traffic, Pollution & Blight
High Speed Rail Benefits
Barriers to Organized Development

• No coordinated regional/local land use planning

• Insufficient funding for local planning

• Lack of financing for supportive land use

• Ongoing support for sprawl
Solutions

- Federal & state funding
  - Supporting regional effort

- Coordinated local land use
  - Valley vision
  - Funds for planning
  - Implement SB 375
Solutions

• Station-Connected Projects
  – Public-private infill partnerships
  – tax increment finance
  – Empowerment zones
  – Infrastructure grants/bank
  – Pensions/state funds
  – Pop-up culture

• Stopping Sprawl
  – True cost accounting
  – Differential fees
  – SB 375 implementation
  – Greenprints
Next Stops

• State Actions
  – Court decisions
  – Cap-and-Trade funds
  – Redevelopment 2.0

• Local Actions
  – Commitment to downtowns & infrastructure
  – Actions on low-density, outlying housing
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