

Outline of Presentation

- 1. Silicon Valley vs. Hollywood: conflict and convergence
- 2. California: one megaregion or two?
- 3. Making the case for high-speed rail in California
- 4. Paying for high-speed rail: can we do it without the federal government?

Silicon Valley and Hollywood: Conflict and Convergence



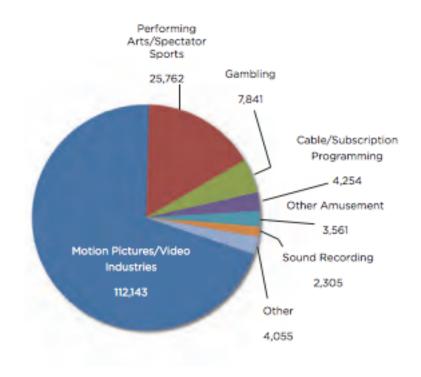






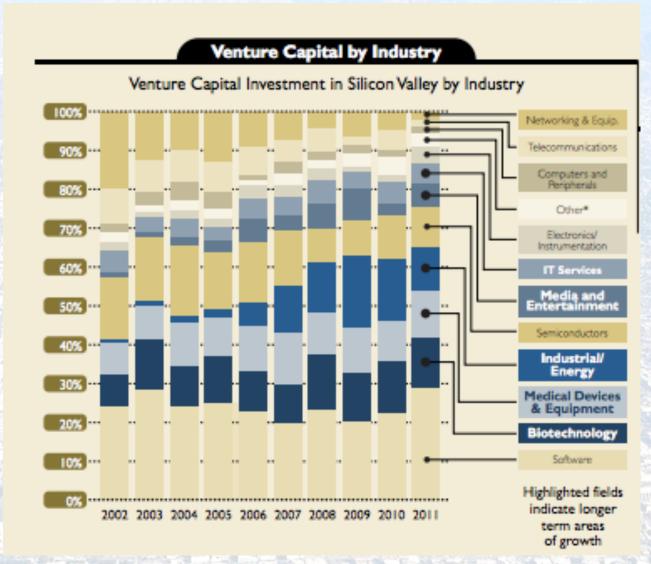
(Entertainment) is the largest "traded cluster" in LA

- 160,000 jobs; 4% of LA County jobs
- 63% of State's entertainment jobs in LA County and 15% of nation's entertainment jobs in LA County
- Average salary = \$110,000 (double the \$53k avg for all jobs in the County)



Traded clusters are 1 million of the County's 3.85 million jobs.

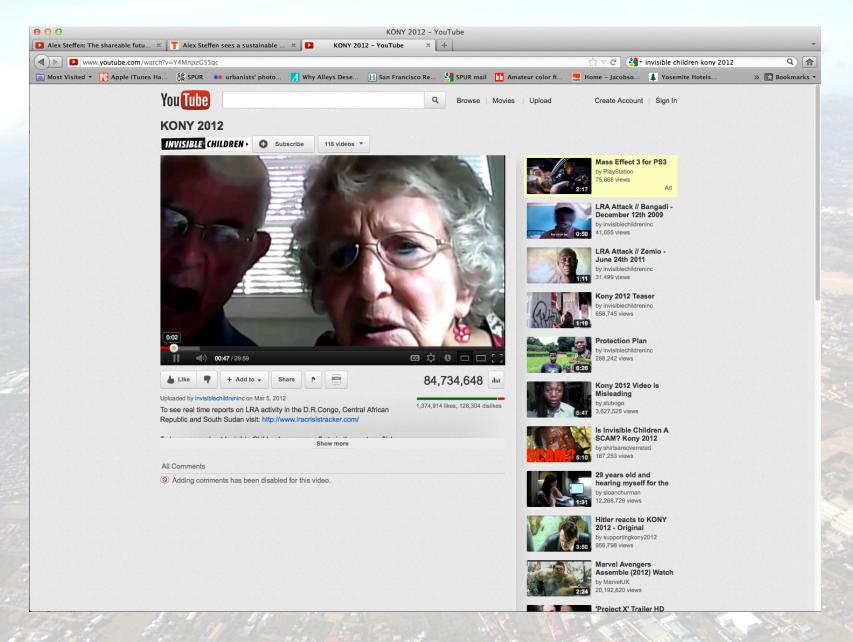
Media and entertainment is growing as a share of VC in Silicon Valley



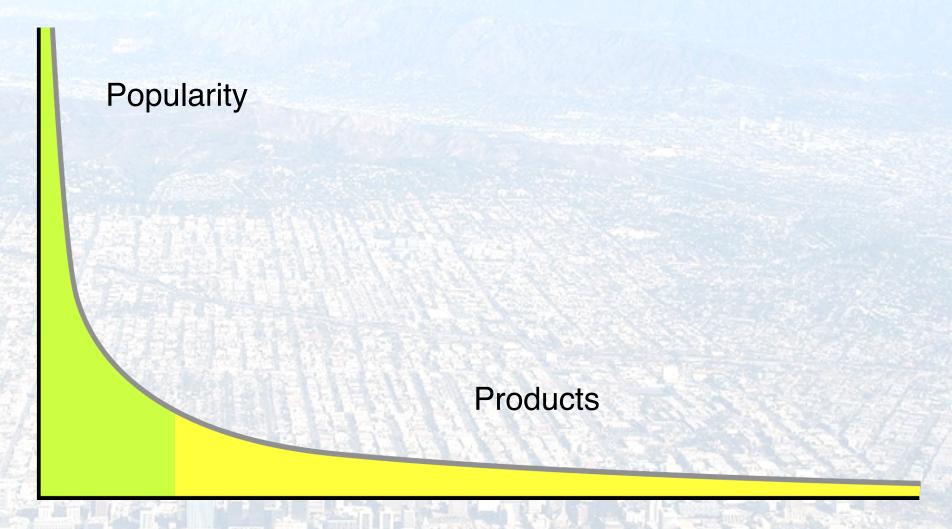




Reduced Cost of Cultural Distribution



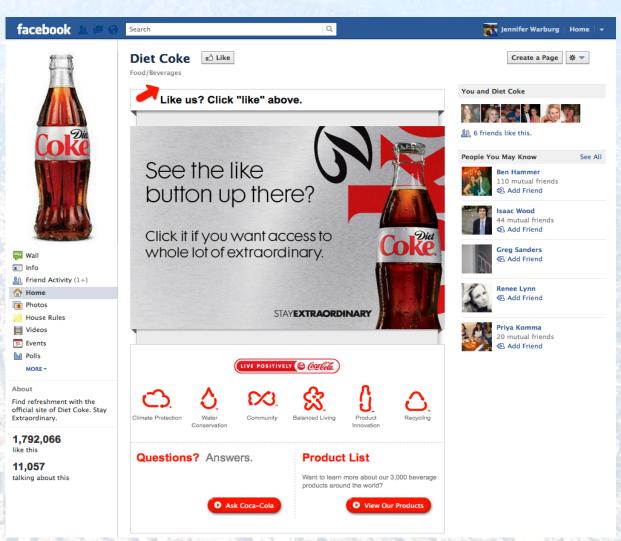
Erosion of power of gatekeeper



Source: Wikimedia Commons; Author=<u>User:Husky</u>. "Long tail." Created in Inkscape. 10 December 2006.

Recommendations from friends replace tastemakers





Movies and TV: in transition

Daily Report: Netflix Transitions to TV Shows

By THE NEW YORK TIMES | February 28, 2012, 9:05 AM | ₹3



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Netflix has transformed itself into primarily an Internet streaming service for television shows, not feature films, with TV series now accounting for more than half of all Netflix viewing, reports Brian Stelter in The New York Times on Tuesday. The moment will unofficially come on Wednesday, when Netflix's three-and-a-half-year-old deal with Starz comes to classic and newer films disappears from the 1

While the end of the Starz deal is certainly no not the disaster it was once predicted to be, be on television shows like "Mad Men" and "Los



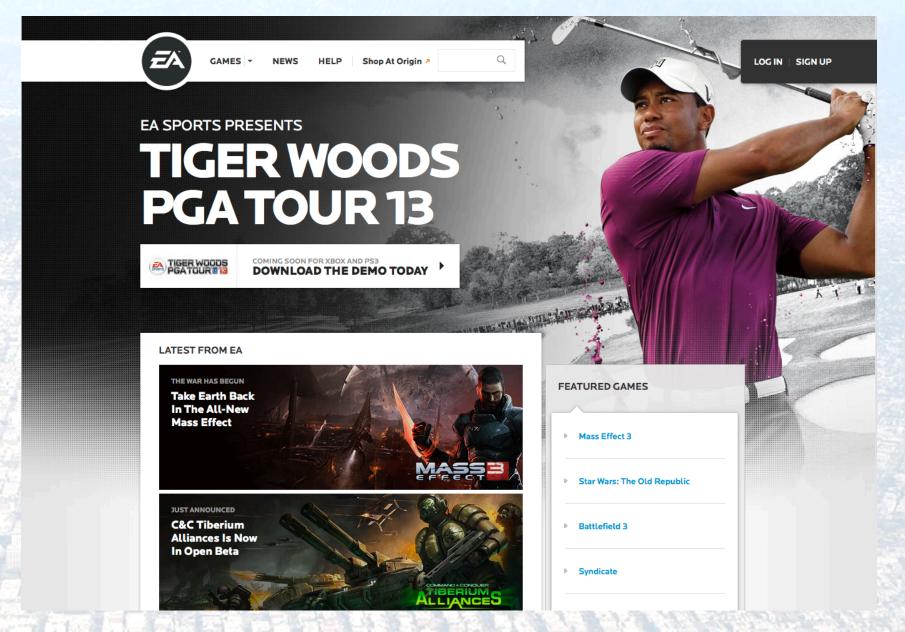


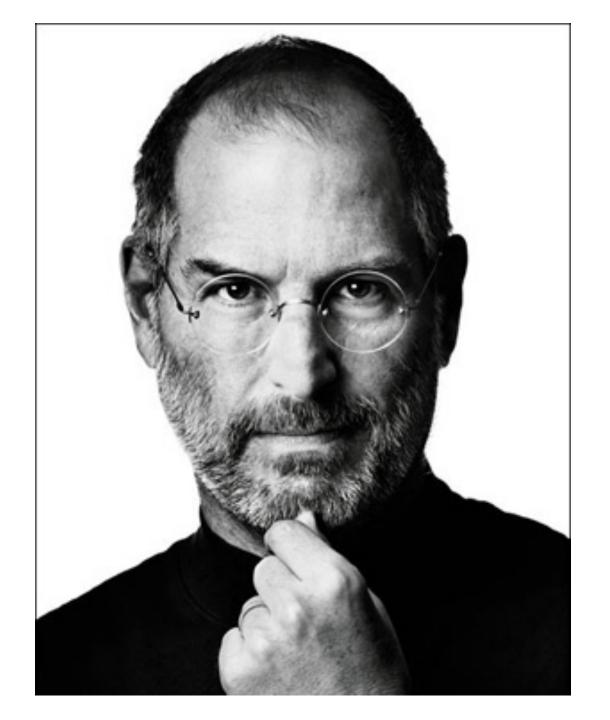




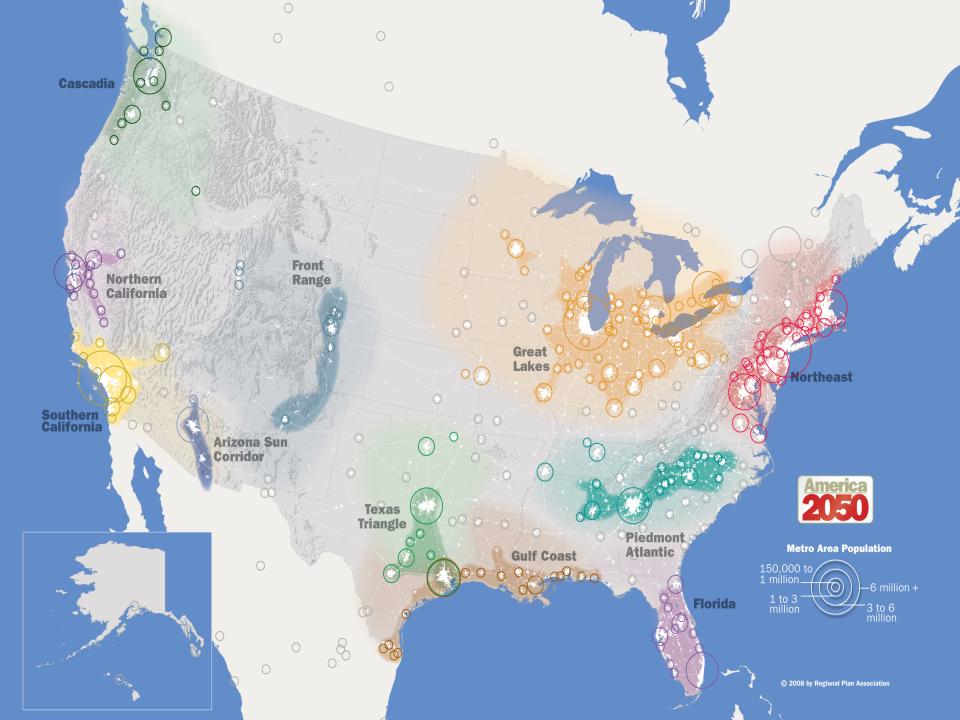
Broadcast Yourself

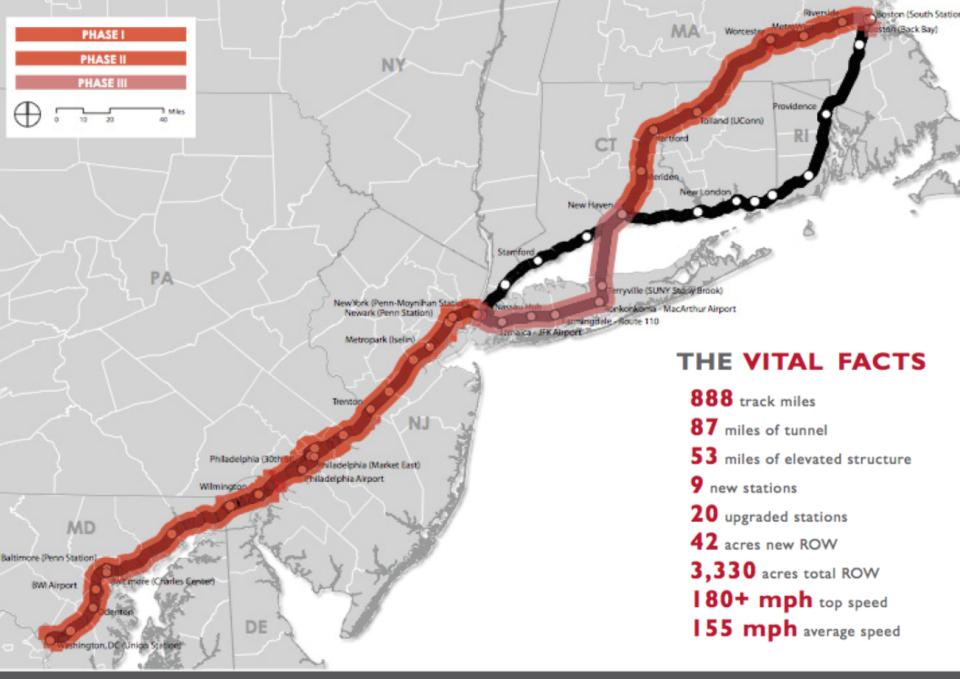
Gaming as convergence







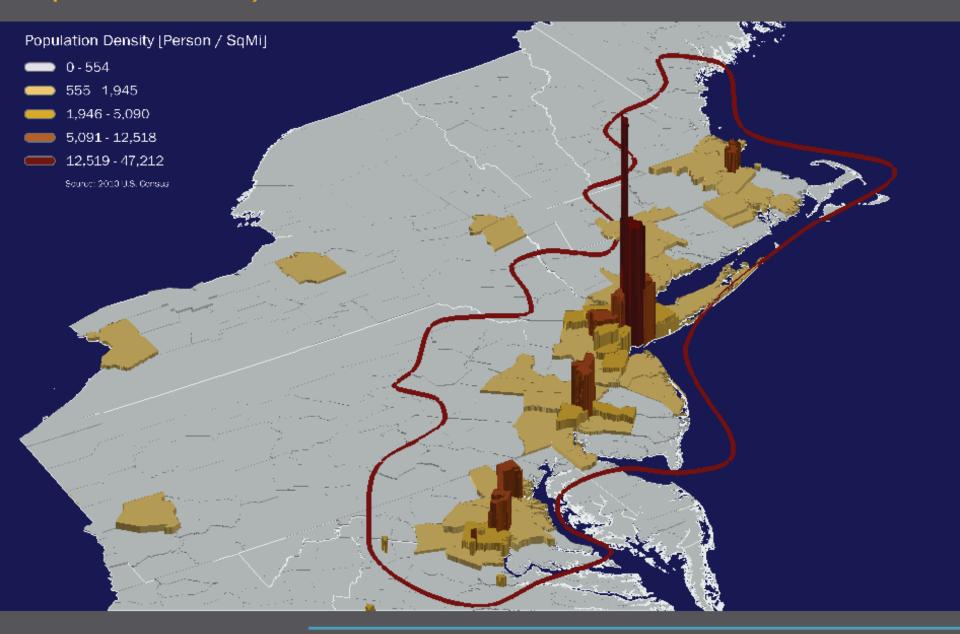


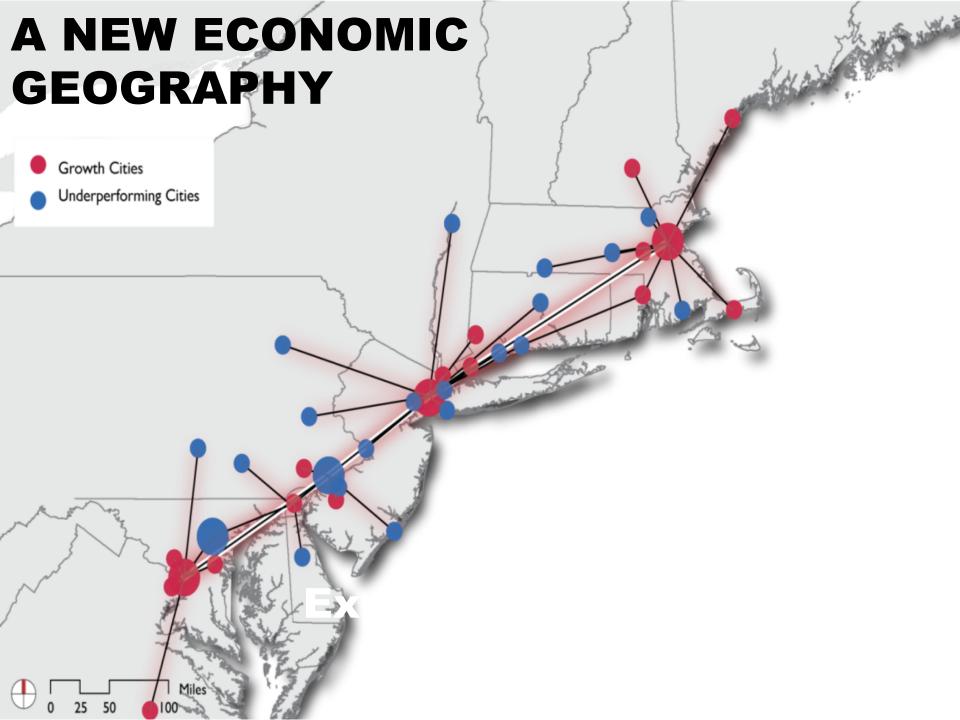


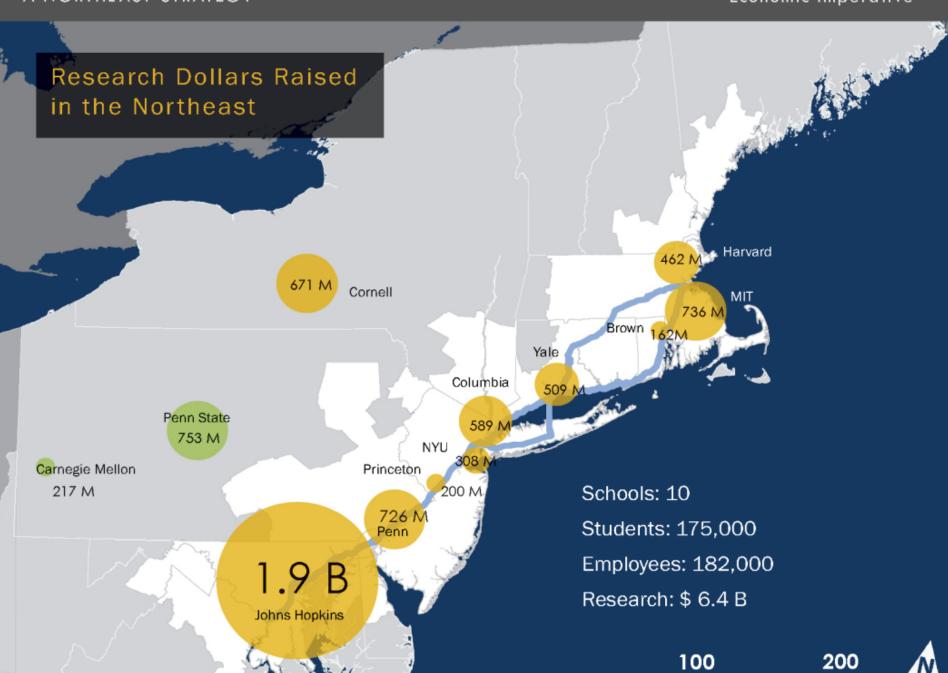
Travel Time Reduction



Population Density







Research Dollars in the California

Schools: 7

Students: 169,000

Employees: 125,000

Research: \$ 4.3B

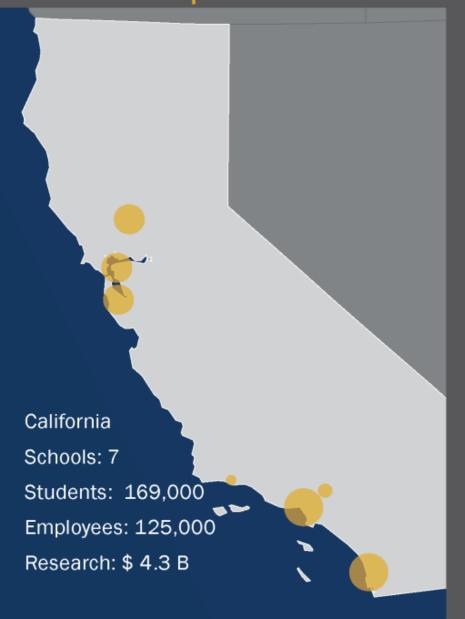


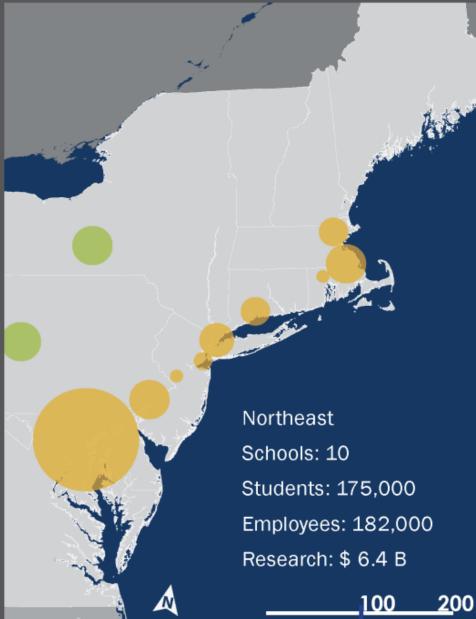


100

200

Research Comparison



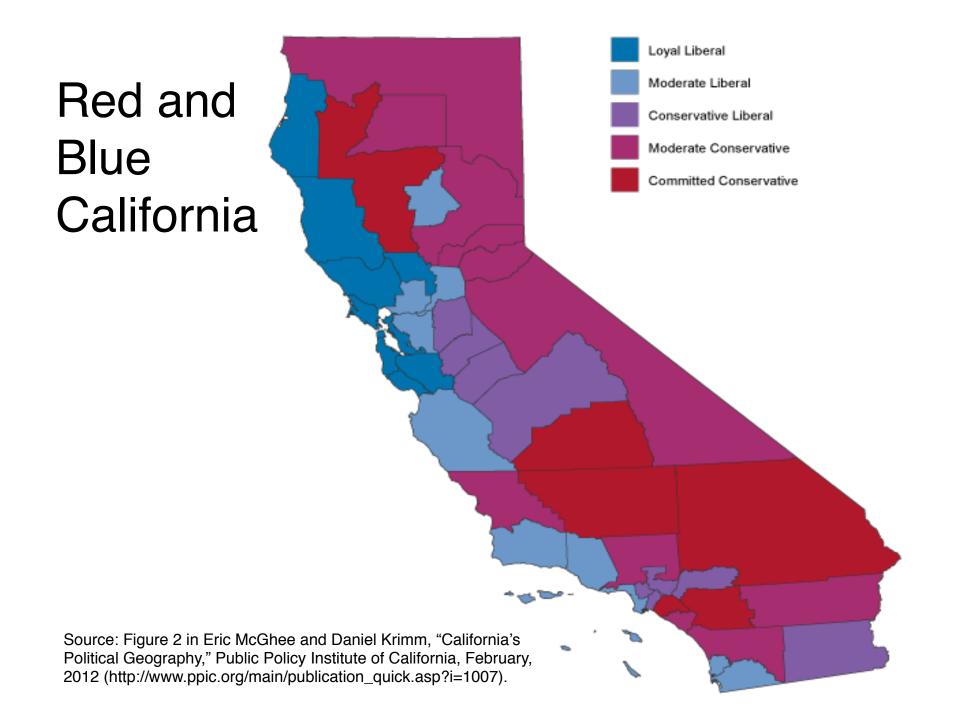


Defining U.S. megaregions

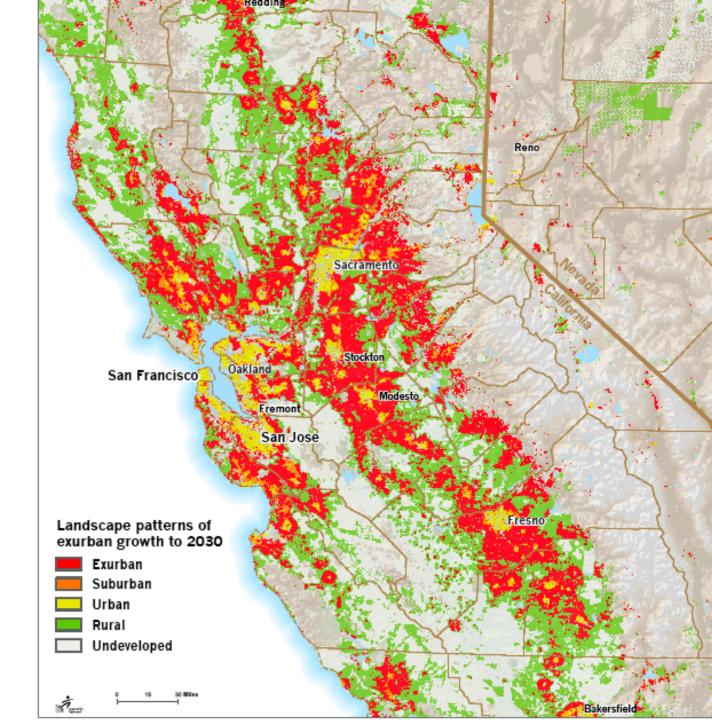
Table 2

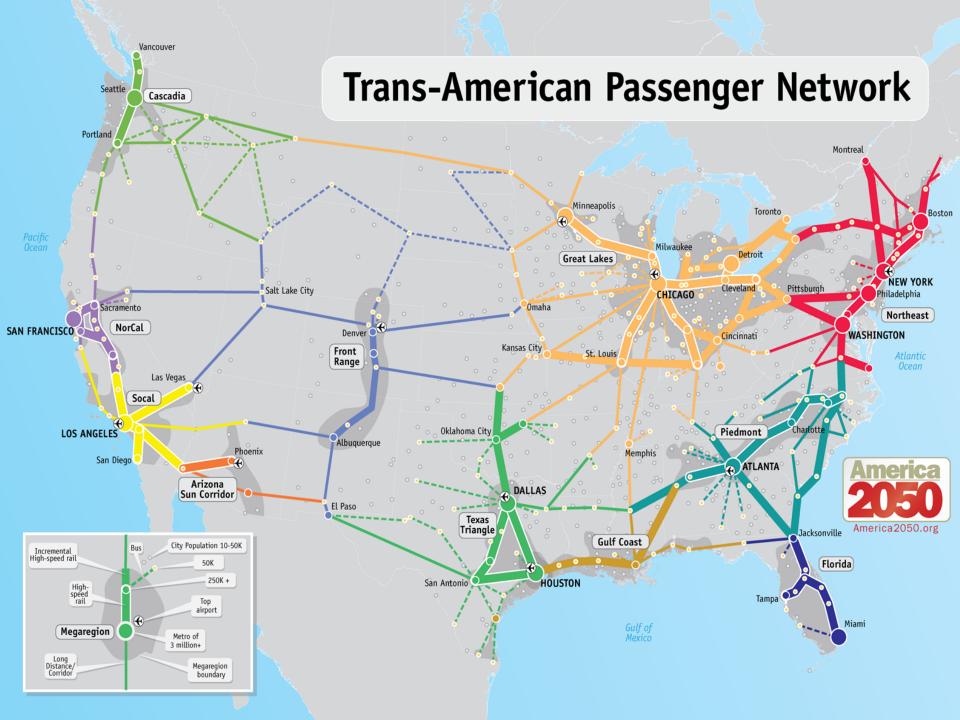
Megaregion	Number of Counties	Area in sq miles	Population 2000	Estimated Percent Growth to 2025	Average Score
Southern California	10	61,986	21,858,662	31%	3.90
Southern Florida	42	38,356	14,686,285	45%	3.89
Northern California	31	47,928	12,724,861	36%	3.71
Northeast	142	61,942	49,563,296	17%	3.55
Piedmont	121	59,525	14,855,052	38%	2.96
Arizona Sun Corridor	8	48,803	4,535,049	62%	2.88
Cascadia	34	47,226	7,400,532	38%	2.79
Front Range	30	56,810	4,733,679	44%	2.79
Gulf Coast	75	59,519	11,747,587	35%	2.35
Texas Triangle	101	85,312	16,131,347	46%	2.27
Great Lakes	388	205,452	53,768,125	17%	2.22
Megaregions	962	772,860	206,780,494	28%	2.69
Rest of Country	2115	2,245,370	73,508,817	24%	1.00
Total	3077	3,018,230	280,289,311	27%	
Megaregion Percent	31%	26%	74%		

Source: RPA Analysis of Census and Woods & Poole Data



The sprawling region

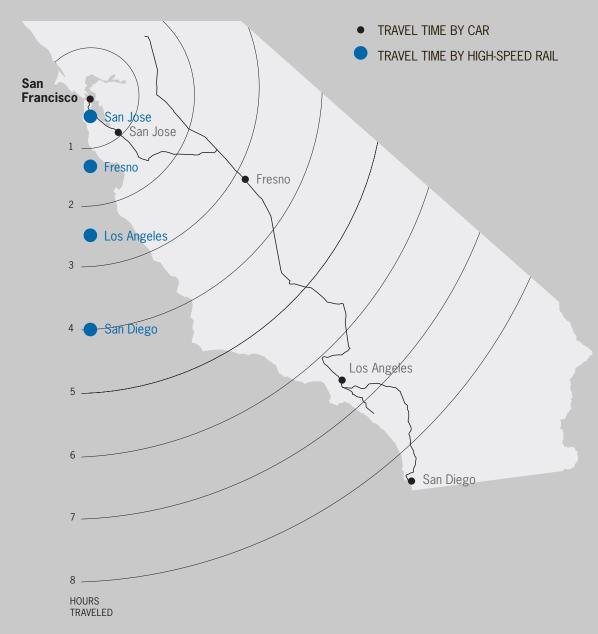






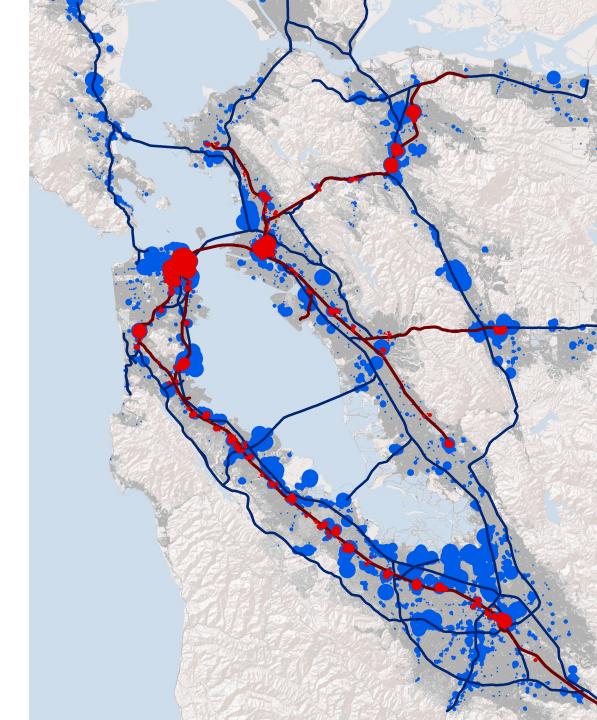
HSR makes communities closer by shortening travel time

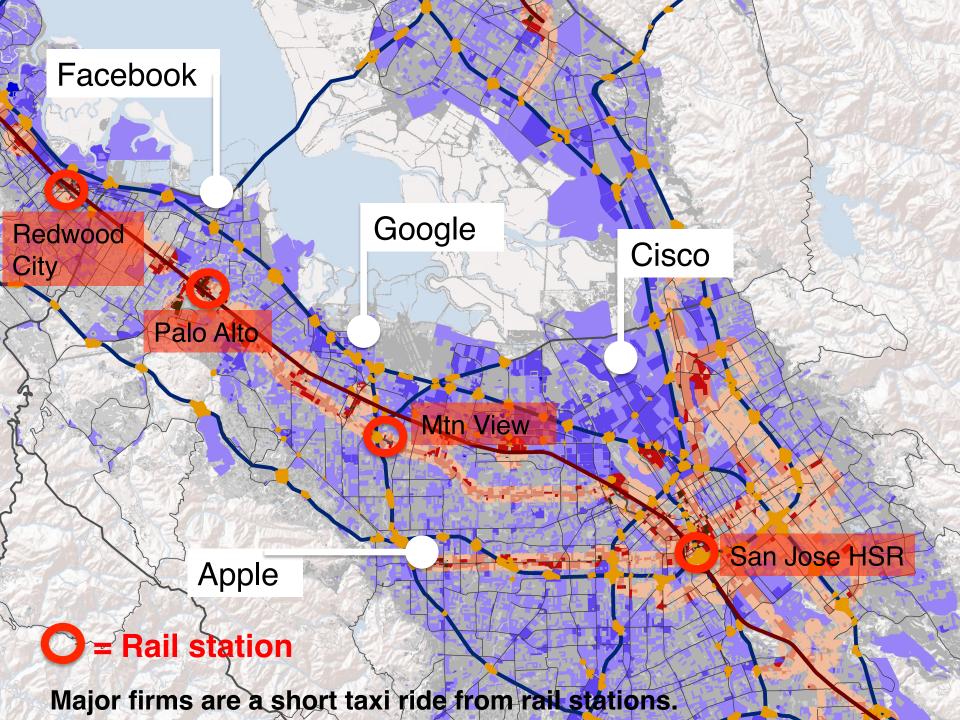
Time/Space map



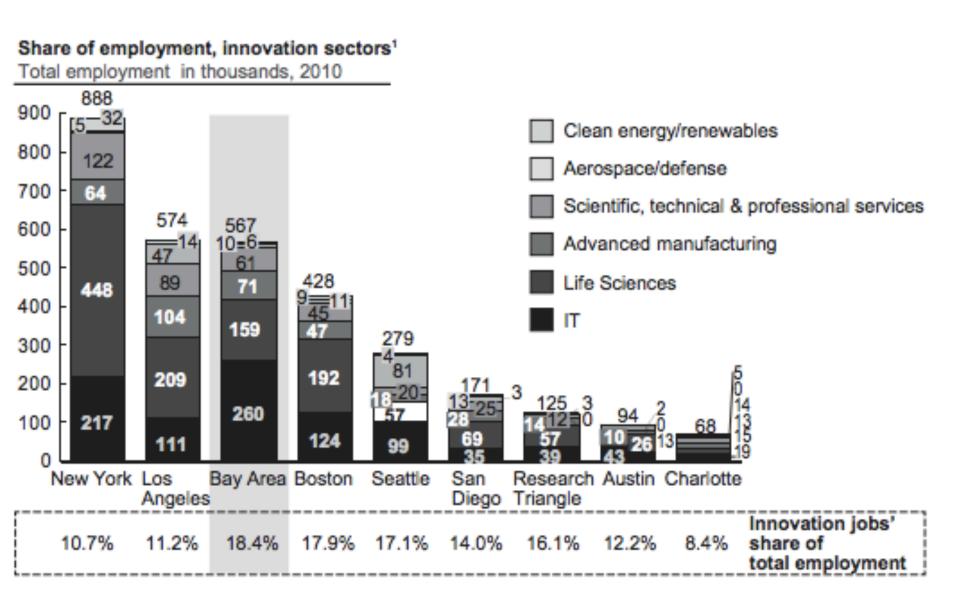
HSR will connect through the spine of Silicon Valley.

Most of the region's offices are within 3 miles of transit (but regionwide, ~28 percent is walkable from transit.)





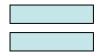
HSR connects two regions with a high percent of "innovation" sectors relying on face-to-face contact



HSR reduces congestion as travelers shift from air and auto to rail

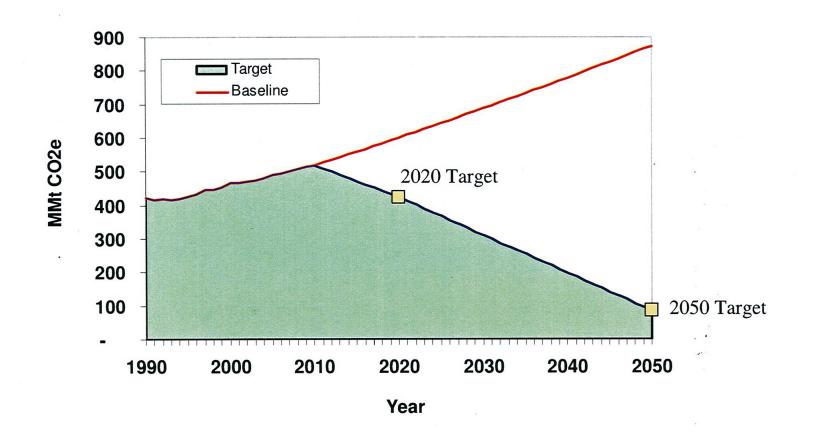




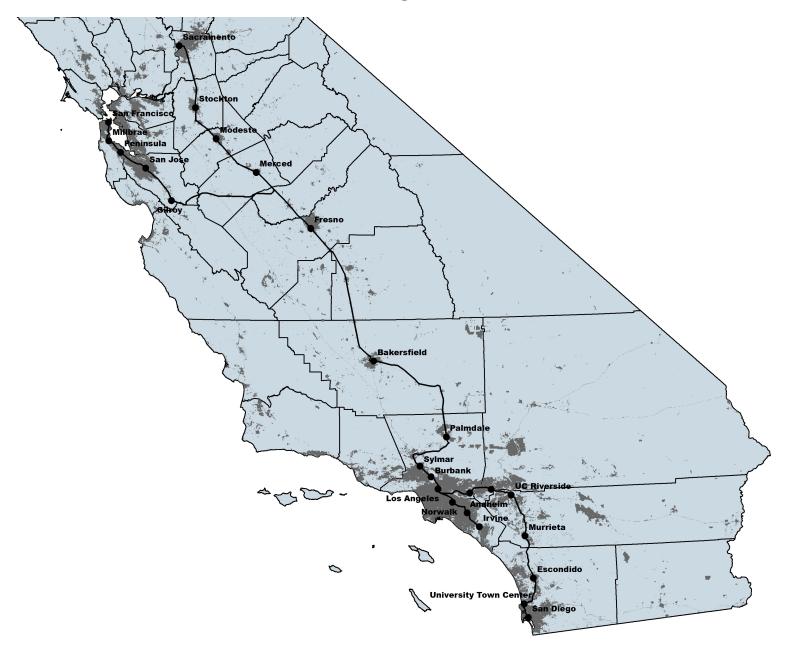


\$68 billion

HSR helps meet statewide AB 32 climate change goals by reducing (at least) 3 million tons of carbon dioxide emissions annually



HSR provides armature for growth of the state



HSR helps strengthen commuter rail and regional intercity rail.

Metrolink Southern California's regional rail system Palmdale Vincent Grade/Acton Norwalk/Santa Fe Spring Metrolink System Map Ventura County Line Antelope Valley Line San Bernardino Line Riverside Line Laguna Niguel/Mission Viejo Orange County Line San Juan Capistrano Inland Empire-Orange County (IEOC) Line Rail to Rail Station and Line Map is simplfied and not to scale.

Caltrain SF to San Jose rail system



California is the largest global economy (other than Brazil) without high speed rail

National GDP and HSR (2011)

Rank	Country/State	GDP (billions of USD)	Population	HSR track (km)*
1	United States	15,094	313,847,465	362
2	China	7,298	1,343,239,923	10638
3	Japan	5,869	127,368,088	3042
4	Germany	3,577	81,305,856	1663
5	France	2,776	65,630,692	2100
6	Brazil	2,493	205,716,890	0
7	United Kingdom	2,418	63,047,162	113
8	Italy	2,199	61,261,254	923
9	California	1,959	37,691,912	0
10	Russia	1,850	138,082,178	0

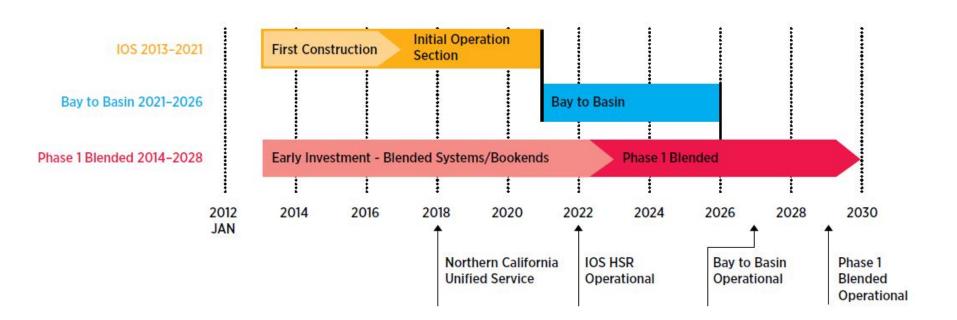
^{*}In operation or under construction

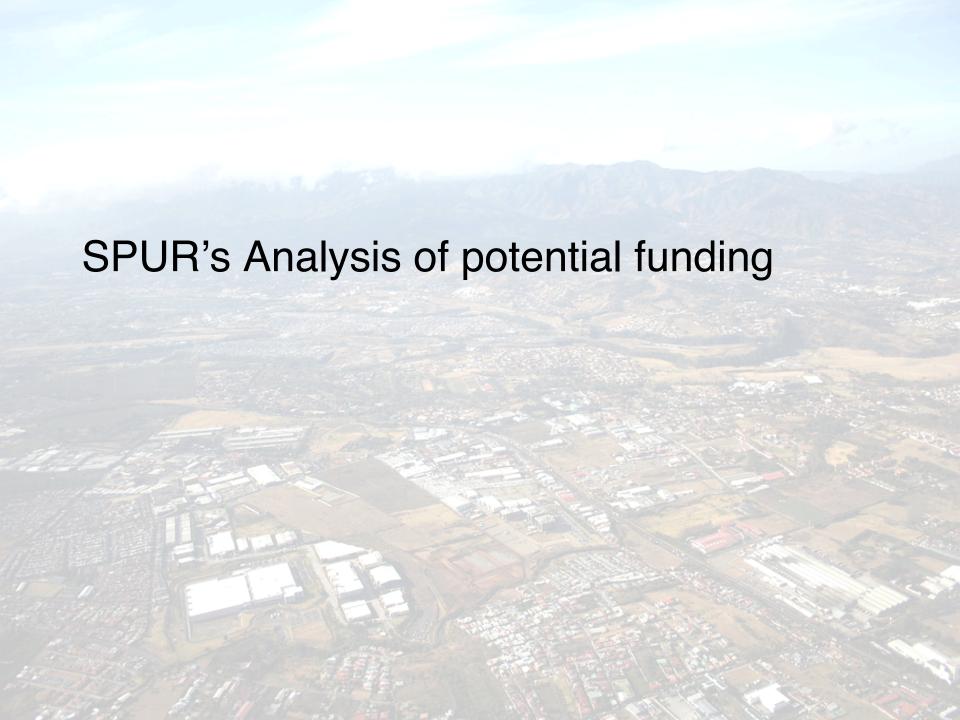
Source: International Monetary Fund; CIA World Factbook; International Unions of Railways

The CA High Speed Rail Alignment

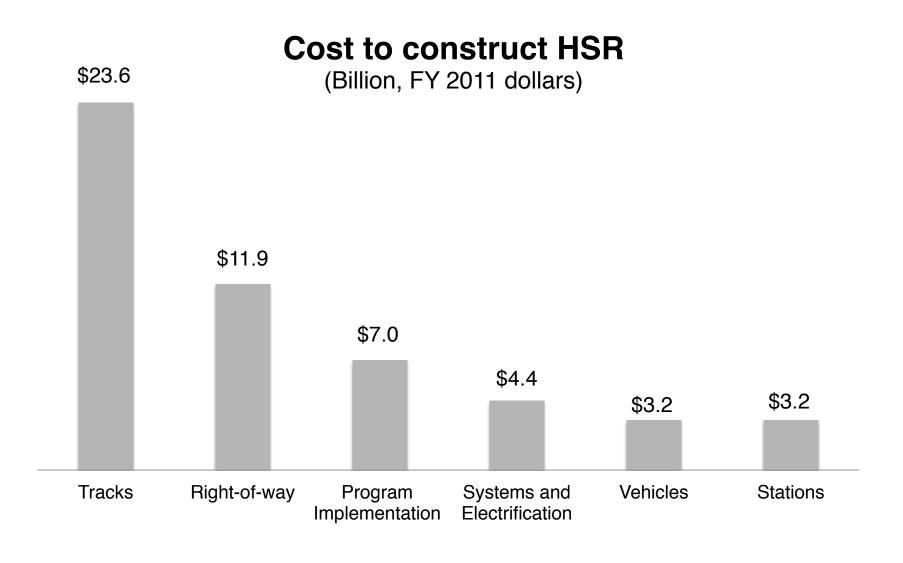


How the high-speed rail will be built





Cost of high-speed rail



The 2012 business plan relies primarily on federal grants and loans...

...we think this is unrealistic

Funding Sources	2012 business plan (millions)
State Prop 1A Bond (already approved)	8,200
Federal grants (already allocated)	3,600
Net cash flow from operations	238
Other funds (state, local, private)	4,931
Private (equity partner)	13,118
Federal grants and federally backed bonds	38,290
Total	68,377

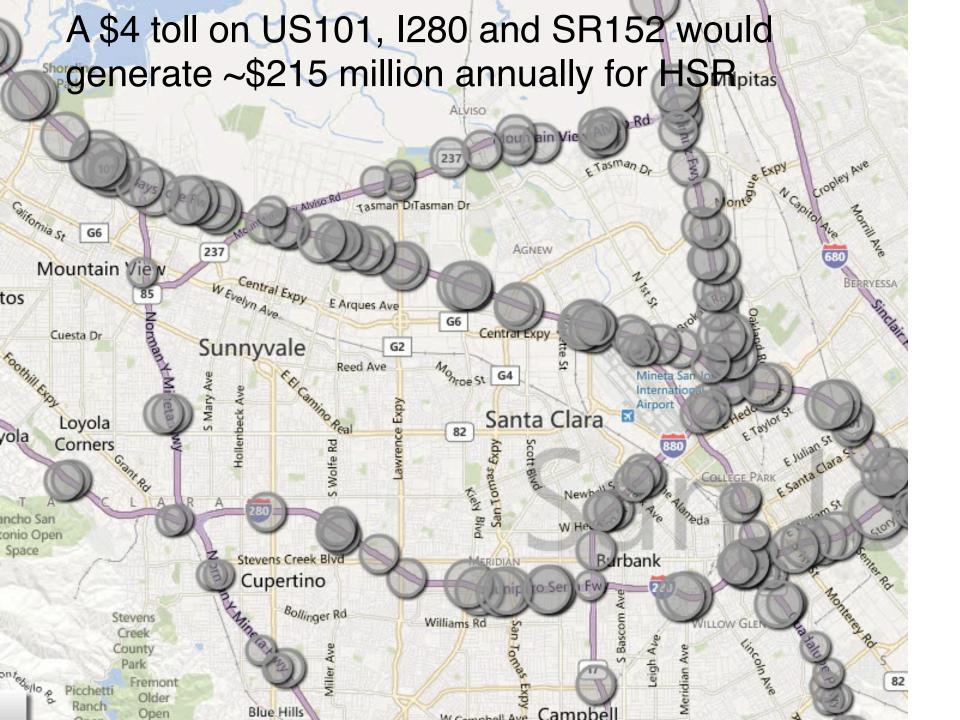
We've identified potential revenue for HSR from the following sources

- Tolling
- Gas tax
- Vehicle license fee
- Value capture
- General Obligation Bond
- Cap-and-trade revenue

Proposal: Toll highways that are gateways to LA and Bay Area and parallel the HSR route.





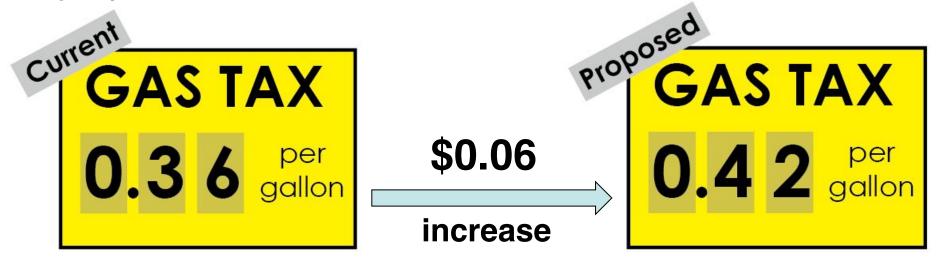


Tolls on highways along HSR corridors could yield \$9.2 billion towards the project

Average toll per car = \$4

Major Highways	Annual Average Daily Traffic	Annualized revenue	Dedicate 50% of proceeds to HSR uses
Bay Area			
101	160,000	\$233,600,000	\$105,120,000
280	150,000	\$219,000,000	\$98,550,000
152	20,000	\$29,200,000	\$13,140,000
Los Angeles			
14	150,000	\$219,000,000	\$98,550,000
5	150,000	\$219,000,000	\$98,550,000
Central Valley			
5	35,000	\$51,100,000	\$22,995,000
99	35,000	\$51,100,000	\$22,995,000
Annual revenue		\$459,900,000	
Term (years)			20
Total over 20 years		\$9,198,000,000	

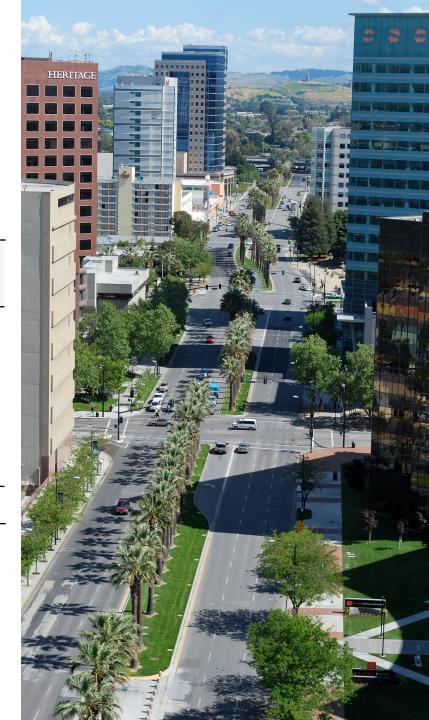
A 6 cent increase in the state's gas tax could yield over \$15 billion for the high-speed rail project

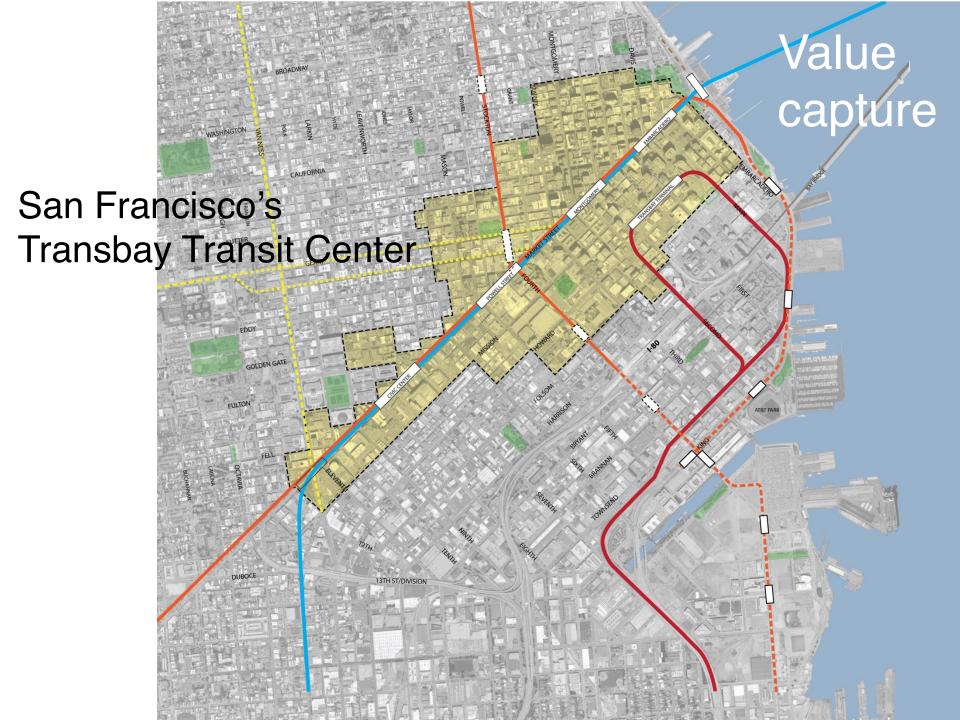


Additional revenue from tax per year	\$792,000,000
Term (years)	20
Value over 20 years	\$15,840,000,000

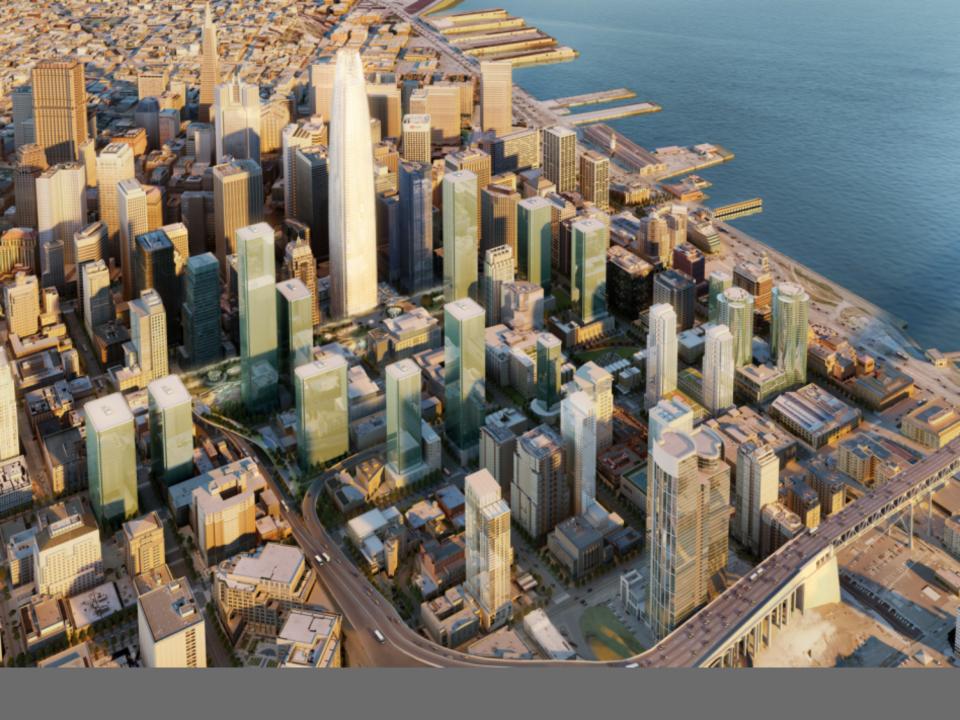
Projected new development at 5 station areas

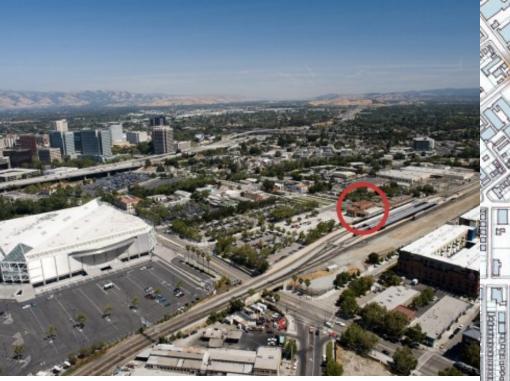
	Residential	Commercial
Stations	(units)	(million SF)
San Francisco	2600	3.10
Millbrae	640	1.10
San Jose	2590	5.42
LA	0	5.00
Anaheim	520	2.56
Total	6350	17.18









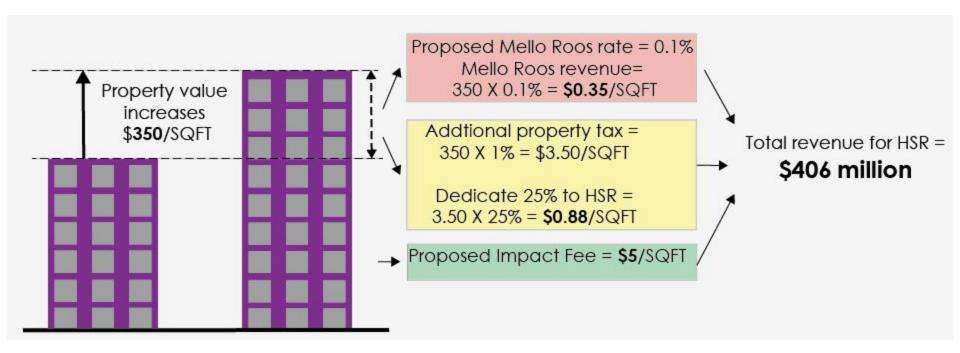


San Jose's Diridon Station area



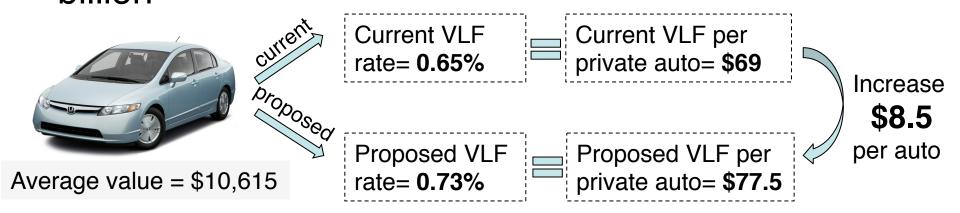
Proposed value capture plan on new development in station areas

- A. Impact Fee of \$5 per square foot (one time)
- B. Tax Increment Financing based on capturing 25% of Tax Increment
- C. Mello Roos based on additional .1% property tax



Note: Total revenue is based on bonding against an annual revenue stream.

VLF: Increasing vehicle license fees by \$8.50 per automobile per year for 20 years would yield \$3.7 billion



Total automobiles in California	22,083,049	
Total anticipated new revenues per year	\$187,418,837	
Term (years)	20	
Total over 20 years	\$3,748,376,737	

GO Bond: Greening and electrifying Caltrain and BART

- Sell \$2.5 billion in GO bonds in 5 counties with BART and Caltrain.
- Upgrades power systems on BART and Caltrain, electrifies Caltrain, and builds 100 MW of solar to produce the total amount of power needed by Greening

the two systems.



Greening BART/Caltrain GO Bond

BART Power System Rehab	\$500,000,000	
Caltrain Electrification	\$1,000,000,000	
SFMTA – TC/LRT Power System Rehab	\$300,000,000	
Joint PV Power Supply	\$700,000,000	

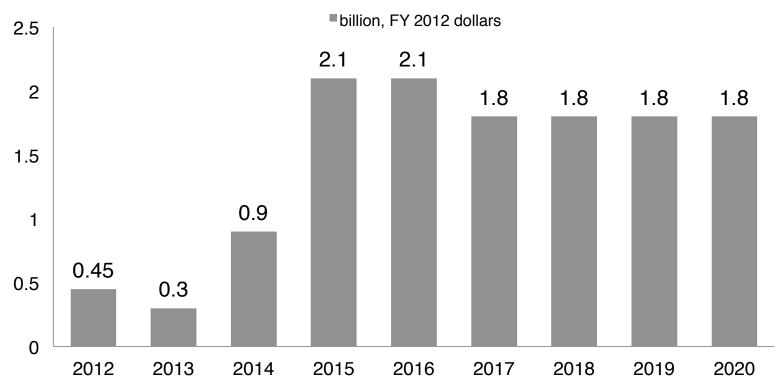
\$2,500,000,000

HSR portion to apply to business plan 1,000,000,000

Cap-and-trade

Dedicating 15 percent of the proceeds of the cap-and-trade auction revenues, up to \$13 billion, to high-speed rail.

Dedicated Cap-and-trade Revenues to HSR



	2012	
Funding Sources	business	SPUR plan
r driding Godrees	plan	(millions)
	(millions)	
State Prop 1A Bond (already approved)	8,200	8,200
Federal grants (already allocated)	3,600	3,600
Net cash flow from operations	238	238
Other funds (state, local, private)	4,931	0
Private (equity partner)	13,118	13,118
Federal grants and federally backed bonds	38,290	0
Value capture	N/A	406
Gas tax	N/A	15,840
Road tolls	N/A	9,198
Vehicle License Fee	N/A	3,748
Regional GO bond	N/A	1,000
Cap and Trade	N/A	13,050
Total	68,377	68,398

The source in SPUR's plan yield \$43 billion alone for HSR

Hollywood vs. Silicon Valley – great battle or integration?

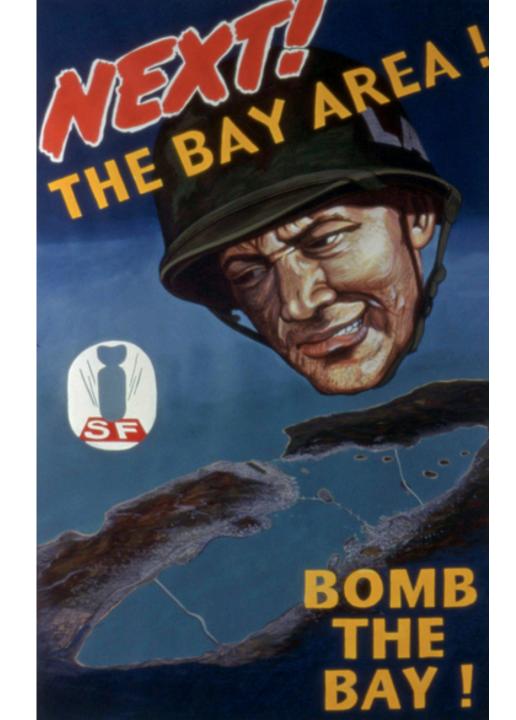


"The Great Battle of Los Angeles, from Sandow Birk's series "The Great War of the Californias"

"Down with Hollywood"?



From Sandow Birk's series "The Great War of the Californias"



From Sandow Birk's series "The Great War of the Californias"

