



CLIMATE POLICY IN CALIFORNIA

PROGRESS SO FAR AND AGGRESSIVE 2030 COMMITMENTS

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ENERGY INNOVATION
POLICY & TECHNOLOGY LLC



OUTLINE

1. Early climate actions
2. Impacts: decoupling and growing clean tech
3. The 2030 target and policies to get there
4. External diplomacy

EARLY CLIMATE ACTIONS

2002

- Renewable electricity standard (RES), 20% by 2017
- Vehicle tailpipes

2006

- Assembly Bill 32: economy-wide 2020 emission limit (1990 level)
- RES increase (20% by 2010)

2010

- RES increase (33% by 2020)



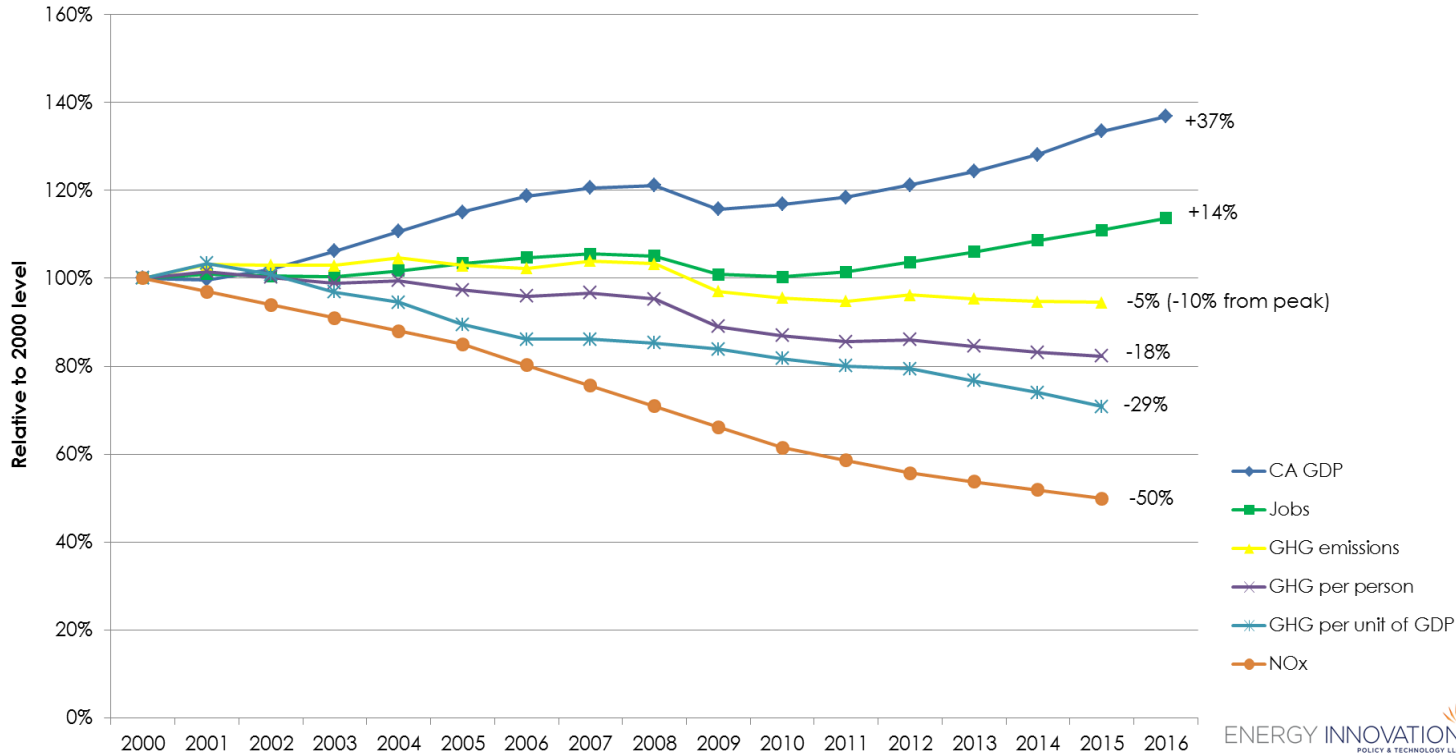
Assembly Bill 32 signing (Source: schwarzenegger.com)

OUTLINE

1. Early climate actions
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IMPACTS: DECOUPLING AND GROWING CLEAN TECH

CALIFORNIA MACROECONOMIC AND ENVIRONMENTAL INDICATORS

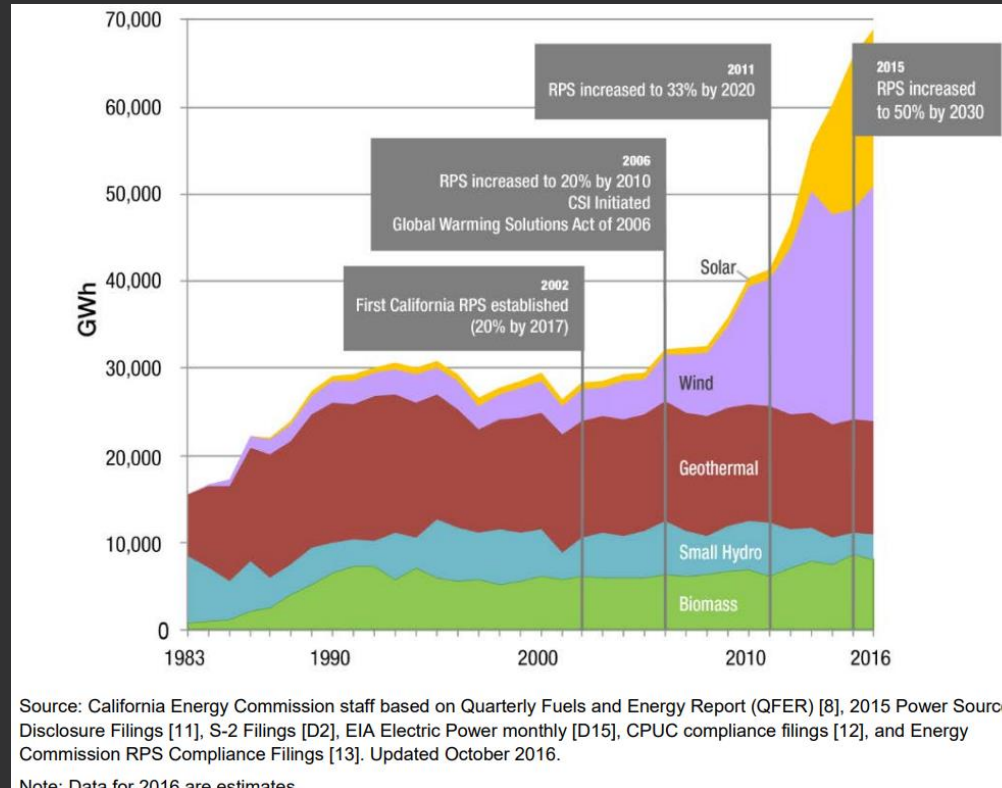


California

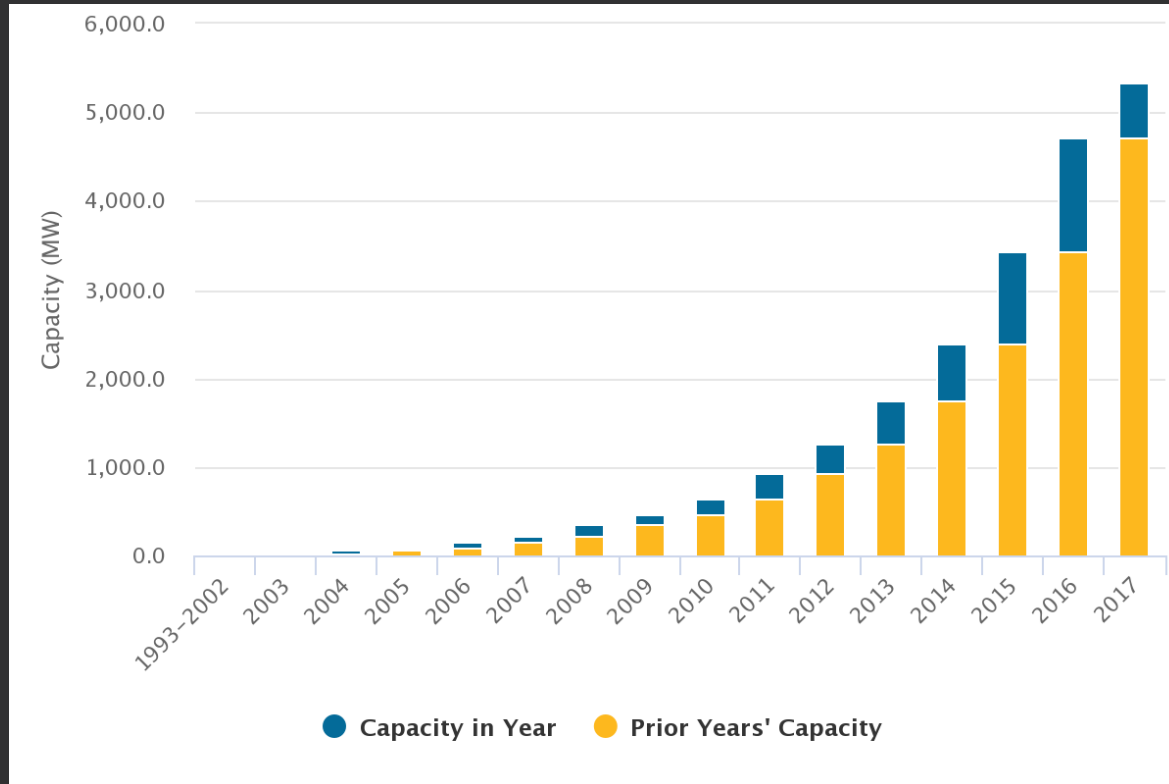
- 500,000 clean energy jobs
- 50% faster job growth than U.S.
- 2x faster GDP growth than U.S.

IMPACTS: DECOUPLING AND GROWING CLEAN TECH UTILITY-SCALE RENEWABLE ELECTRICITY

Today, grid
electricity is
more than 30%
renewable

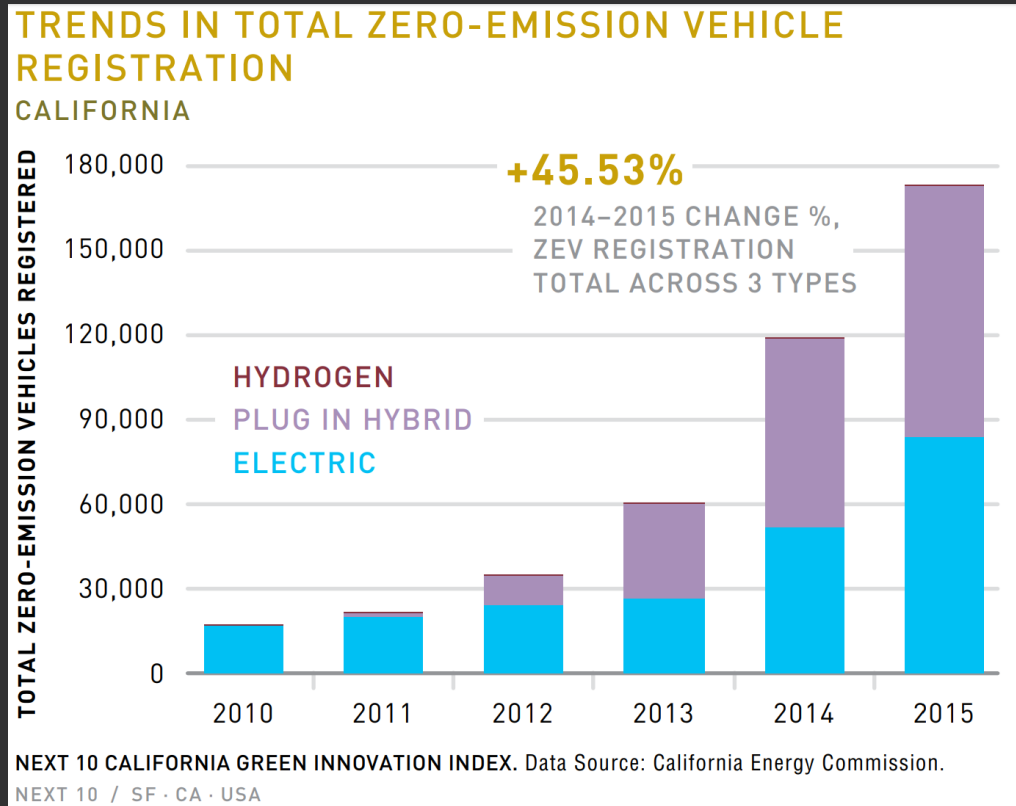


IMPACTS: DECOUPLING AND GROWING CLEAN TECH DISTRIBUTED SOLAR PV

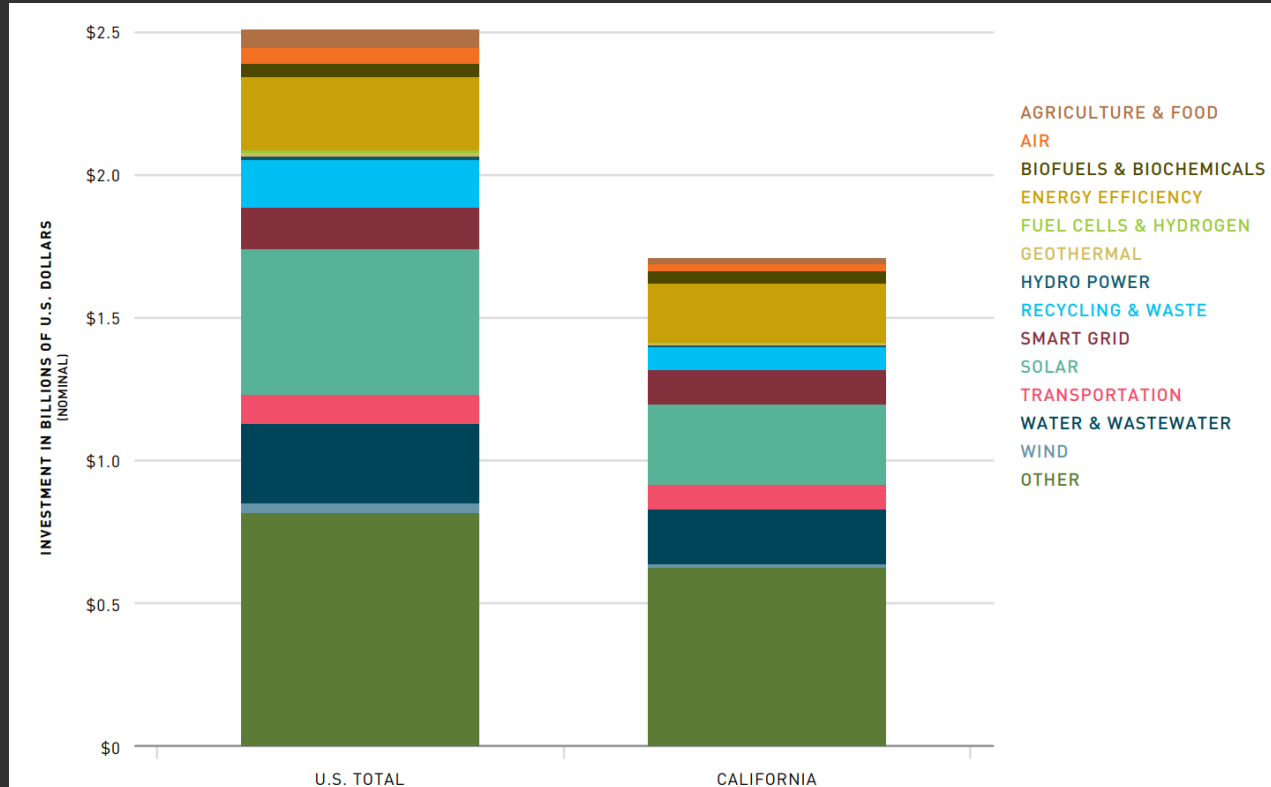


2020 goal:
12,000 MW

IMPACTS: DECOUPLING AND GROWING CLEAN TECH GROWTH IN ELECTRIC VEHICLES

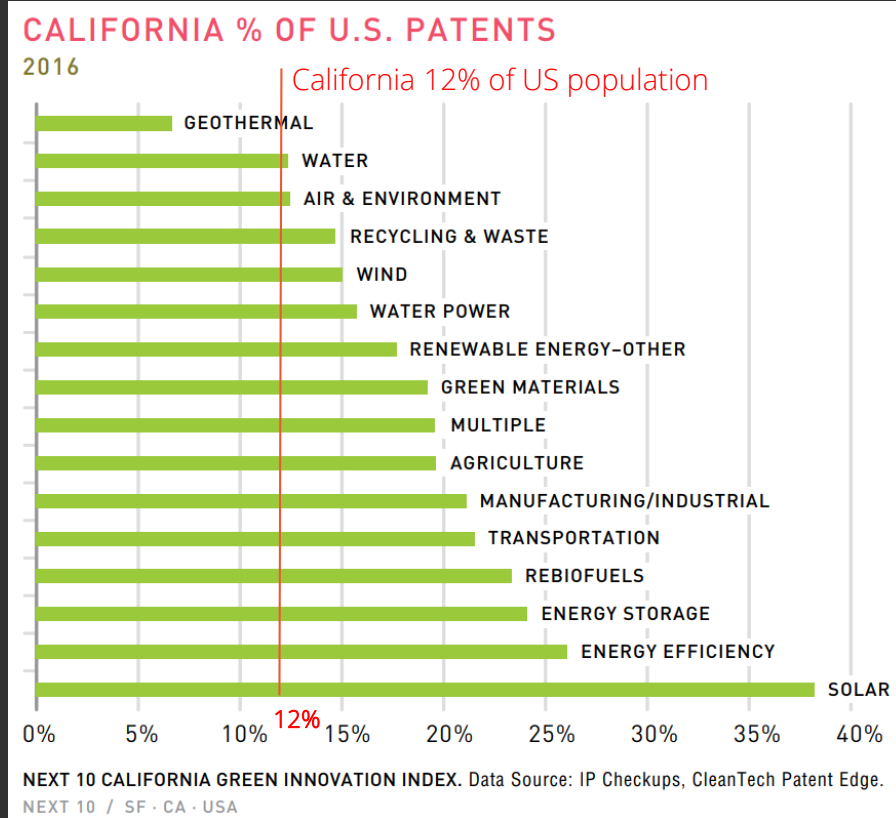


IMPACTS: DECOUPLING AND GROWING CLEAN TECH OUTCOME: 75% OF U.S. CLEAN TECH INVESTMENT IN 2016



Graphic Source: Next10

IMPACTS: DECOUPLING AND GROWING CLEAN TECH MORE CLEAN TECH PATENTS IN CALIFORNIA



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SENATE BILL 350

- 50% Renewable Electricity Standard by 2030
- 2x energy efficiency improvement in existing buildings

Source: Jamey Stillings, Flickr, CC-ND

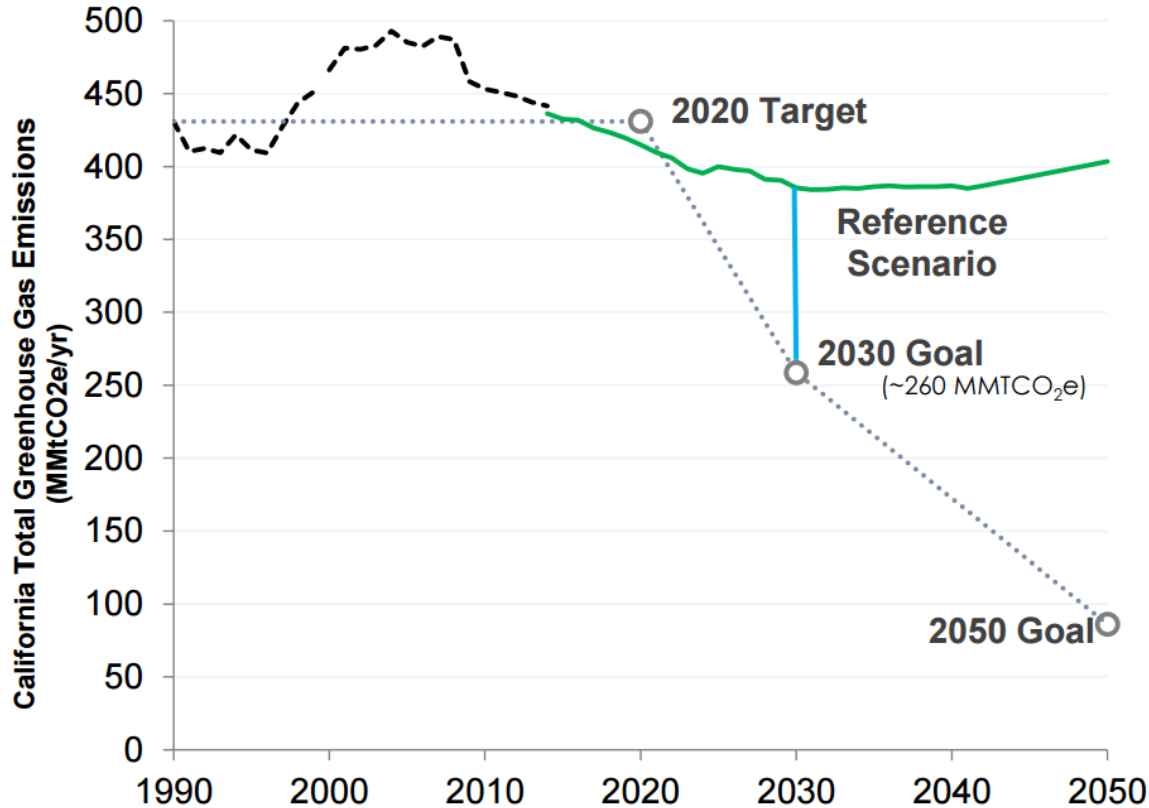
ASSEMBLY BILL 398

CAP-AND-TRADE EXTENSION TO 2030



Source: Governor Brown's Press Office (July 27, 2017 release)

SENATE BILL 32 GOAL FOR 2030 40% BELOW 1990 EMISSIONS



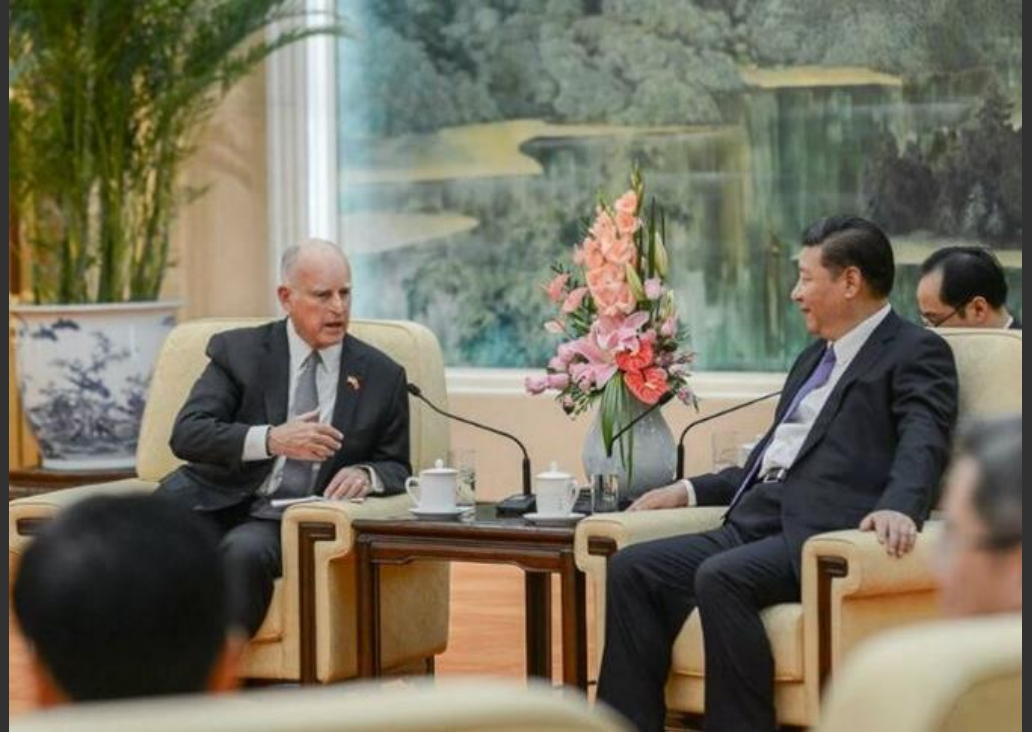
Governor Jerry Brown signs SB 32
Liz O. Baylen / Los Angeles Times

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EXTERNAL DIPLOMACY

- China diplomacy
- America's Pledge
- Under 2 MOU
- UN Special Envoy



Governor Brown's Press Office (June 6, 2017 release)

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THANK YOU