

Investing in *Green Assets*: California's New Opportunity

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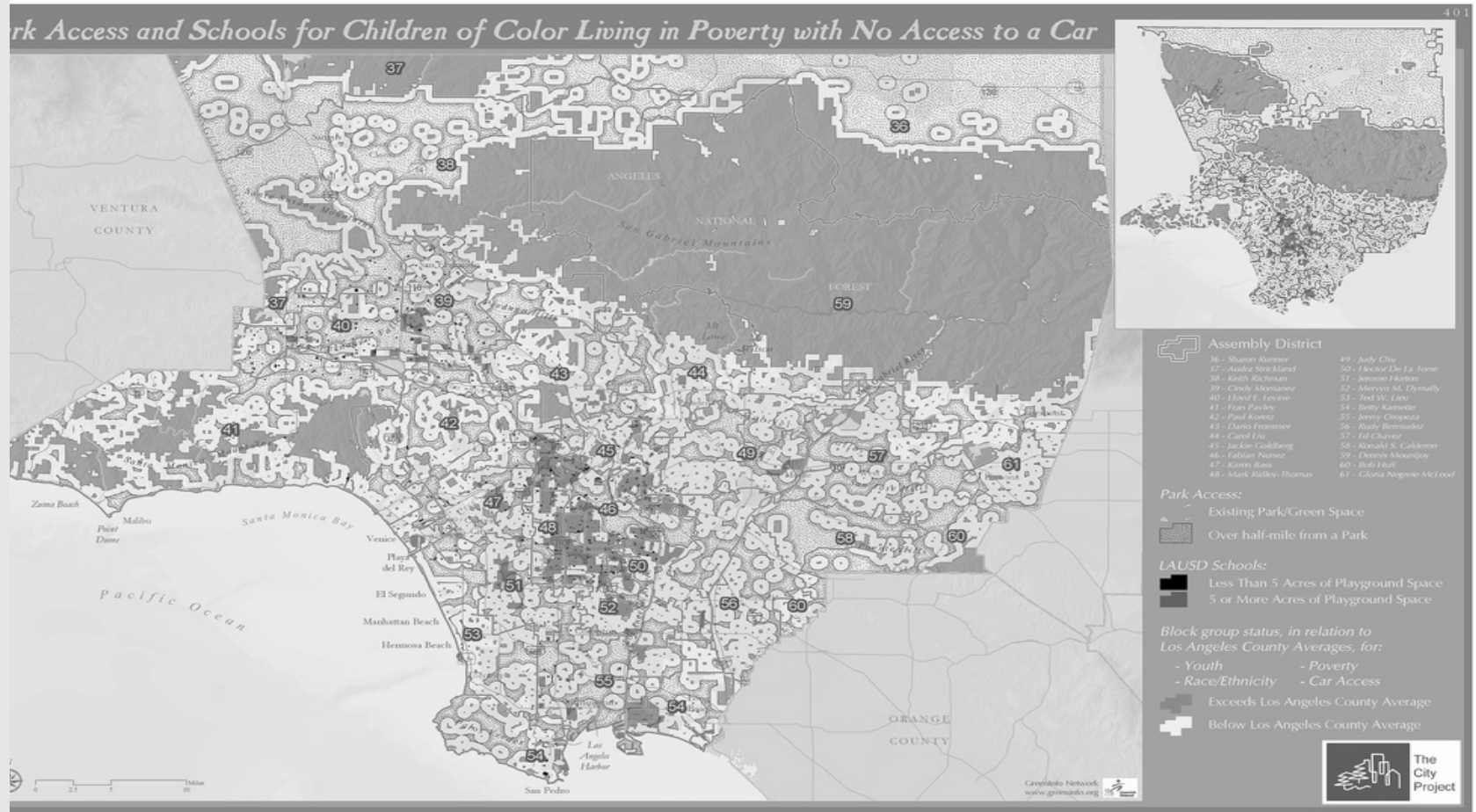
“Worse Economic Crisis since the Great Depression”



“Green Wave is Coming, Will It Lift All Boats?”

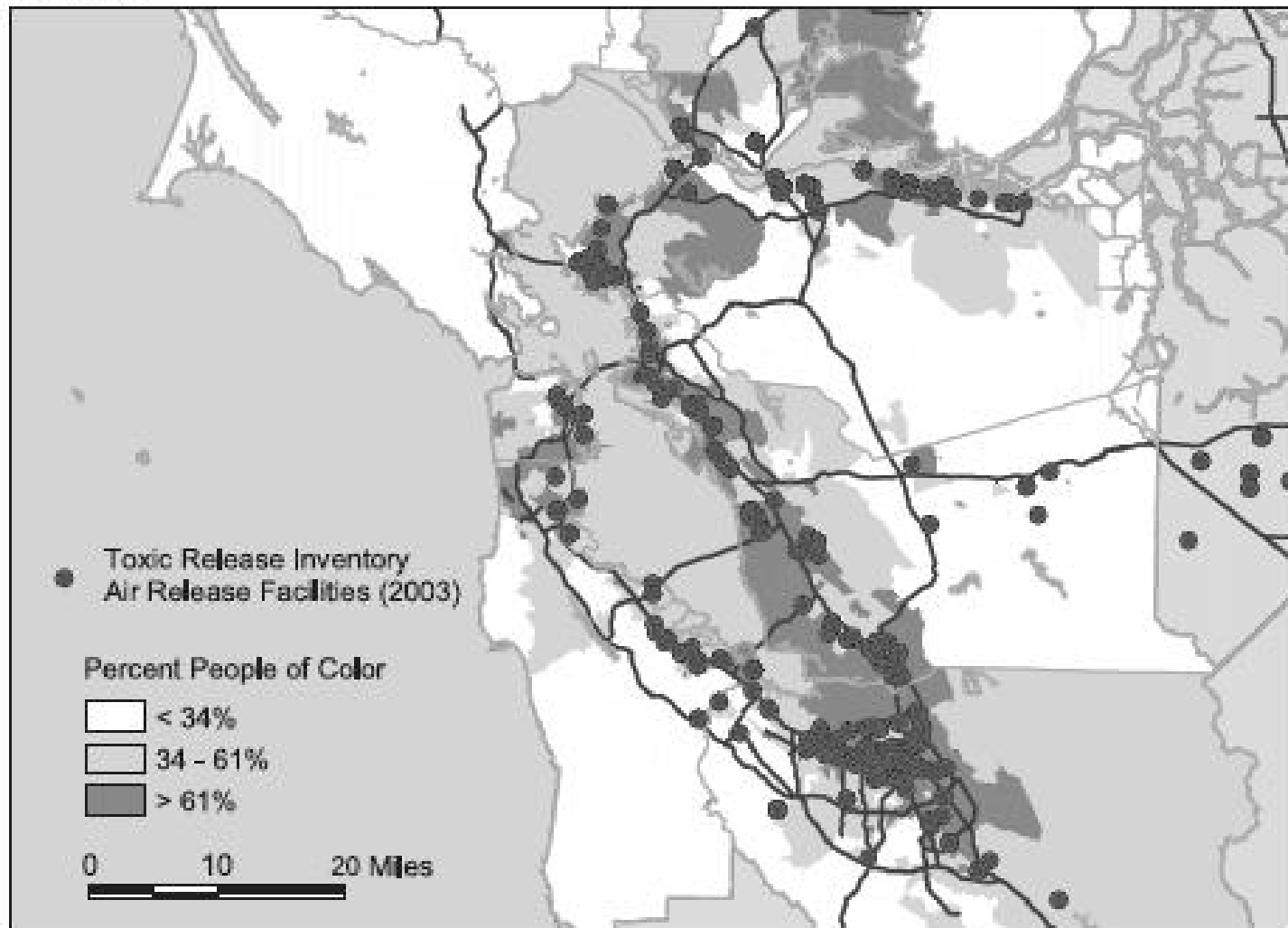


Park-starved Communities in LA

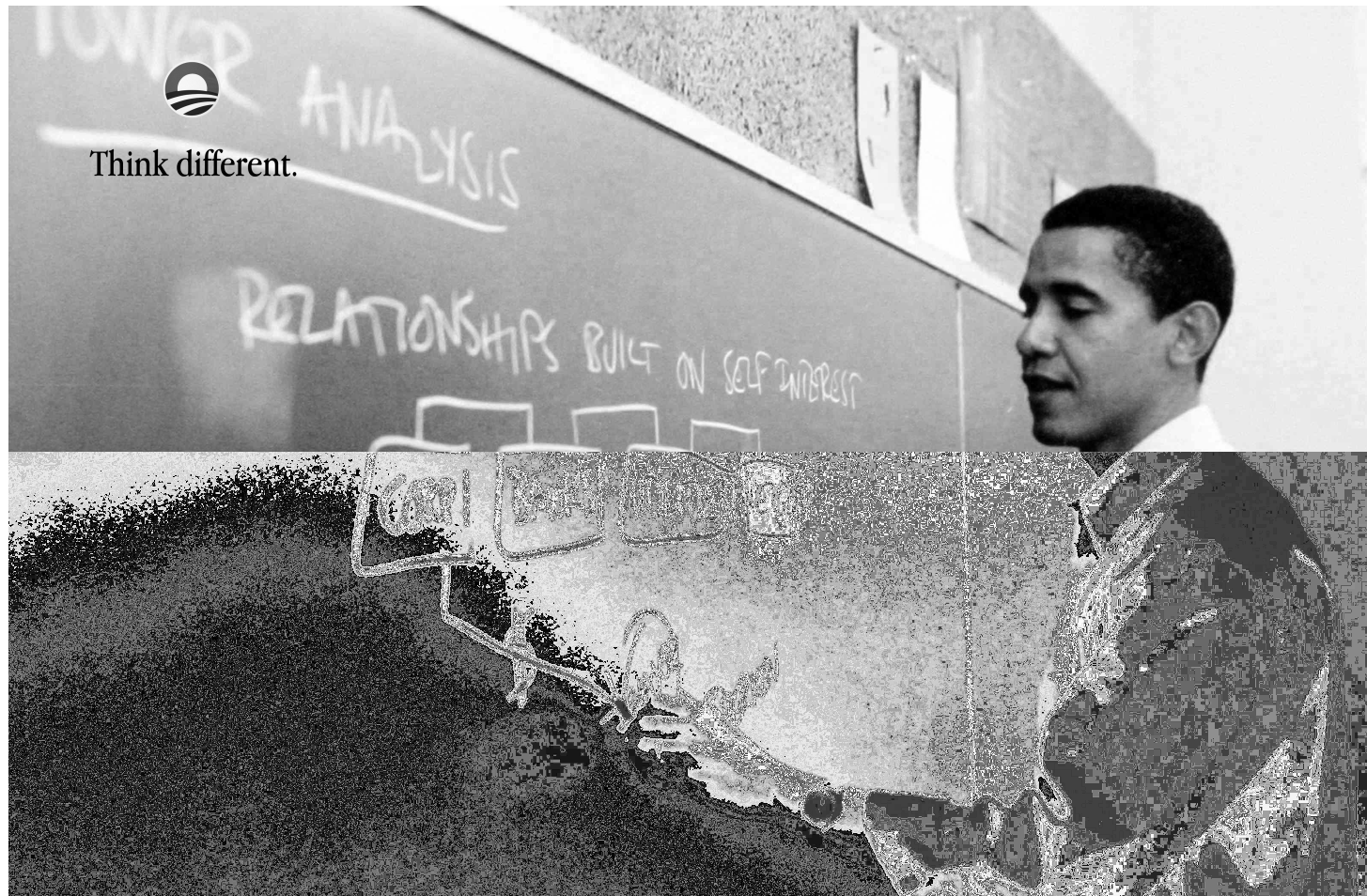


Toxic “Assets” in Bay Area

Figure 1: Locations of Facilities with Air Releases (as Recorded in the Toxic Release Inventory or TRI) Relative to Neighborhood Demographics in the 9-County Bay Area



Time to “Think Different”



“Green Assets”

Working Definition:

Green Assets – anything that has social, environmental and/or economic value ***that is owned*** by an individual, business, family or community.

Includes: intangible, non-physical assets, resources and rights, and all things that have value because they give firms and communities some type of advantage.

Examples of “Green Assets”

Solar = prepaid energy expenses

Parks, Public Transit = fixed asset

Clean Air = intangible asset

Zero-, Low- Energy Home = tangible asset

Energy-Efficient Equipment = lower
operating expenses

Federal \$\$

Opportunity is Anticipated

Federal Economic Stimulus

Clean, Efficient, American Energy:

- \$32 billion to transform the nation's energy transmission, distribution, and production systems – a smarter grid.
- \$16 billion to repair public housing and make key energy efficiency retrofits.
- \$6 billion to weatherize modest-income homes.

Transform our Economy with Science and Technology:

- \$10 billion for science facilities, research, and instrumentation.
- \$6 billion to expand broadband internet access so businesses in rural and other underserved areas can link up to the global economy.
- For every dollar invested in broadband the economy sees a ten-fold return on that investment.

California's \$\$ Promise

SB 1672 (Steinberg) – Green Jobs / Career Tech Bond

- \$2.25 B available to schools, community colleges, businesses and labor organizations that undertake capitol outlay projects related to creating training and jobs.
- \$1.25 B for public middle and high schools and community colleges that provide career technical education (CTE)

Green Legislation - CA Legislature

AB 3 (V.M. Perez) – Green Workforce Development

SB 31 (Pavley) – Carbon Revenue Allocation

- ***Billions*** of dollars of ongoing revenue from carbon fee or auction.

33% Renewable Portfolio Standard (RPS)
legislation

- SB 14 (Simitian), AB 64 (Krekorian), Governor's draft
- Could generate \$60 billion and 200,000 new jobs

Other bills not yet introduced (critical deadlines in late January and February)

LIEE program - PUC

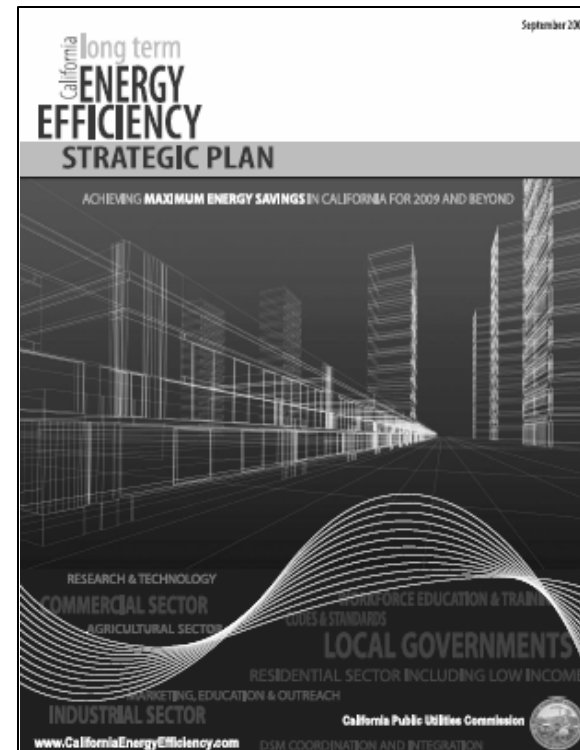
Goal: To reach 100% of eligible recipients for Low-Income Energy Efficiency (LIEE) Program by 2020.

Why no Interim Targets?

Must work with non-profits for outreach and administration of program, local and cultural media for greatest impact

Facts:

- One third of California households are at 200 percent of the poverty level or below.
- In 2006, only 2-4 percent of them were reached by utility efficiency programs.
- The CPUC estimates that every \$1 invested in efficiency returns \$2 to the State.



Adopted Budget Summary 2009-2011				
Utility	LIEE			
	2009	2010	2011	Cycle Total
PG&E	\$109,056,366	\$151,067,347	\$156,789,038	\$416,912,752
SCE	\$60,242,000	\$61,561,082	\$63,413,860	\$185,216,942
SoCalGas	\$49,571,908	\$76,872,816	\$78,256,269	\$204,700,993
SDG&E	\$21,184,008	\$21,184,009	\$20,327,606	\$62,695,622
Total	\$240,054,283	\$310,685,254	\$318,786,772	\$869,526,309

CEERT Green Jobs Report

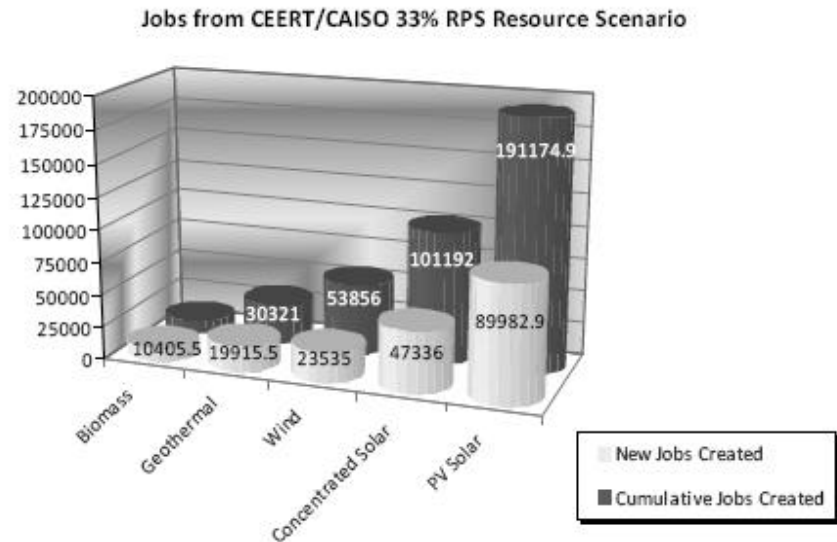
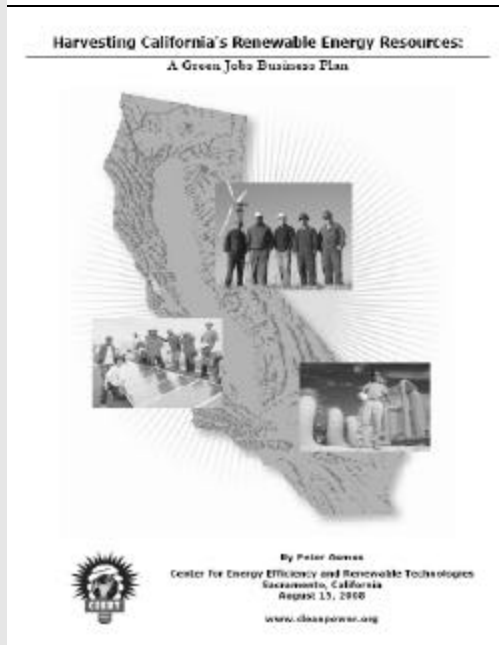


Figure 4 - Jobs from CEERT/CAISO 33% RPS Resource Scenario³

- Solar PV creates more jobs 7-1, per MW, compared to Natural Gas
- Wind Industry creates 5.7 person-years of employment compared to 3.96 person-years for Coal.
- 33% RPS could create 330,000 construction/manufacturing jobs in CA.

Private Sector Opportunities



Source: Cleantech Group, LLC™; Analysis: CEI
Note: 2005 data for Sacramento was unavailable.

Green Technology Establishments by Green Sector

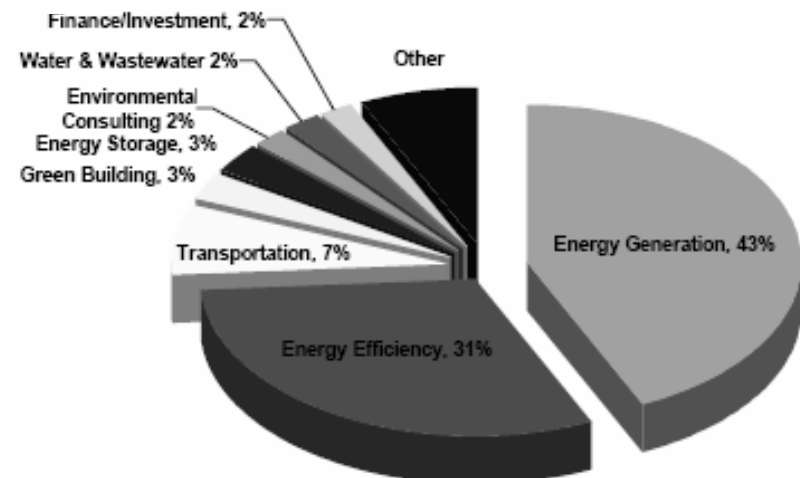
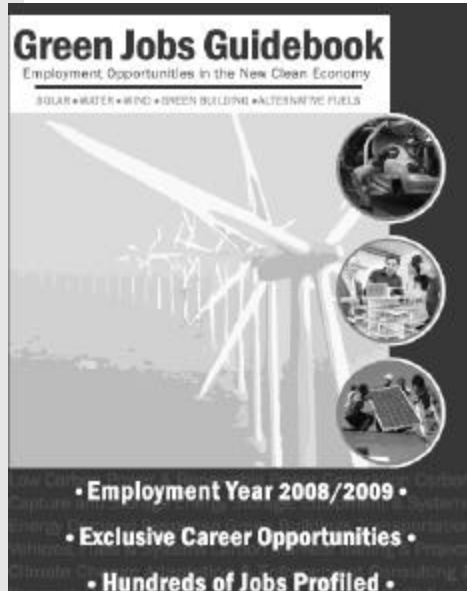


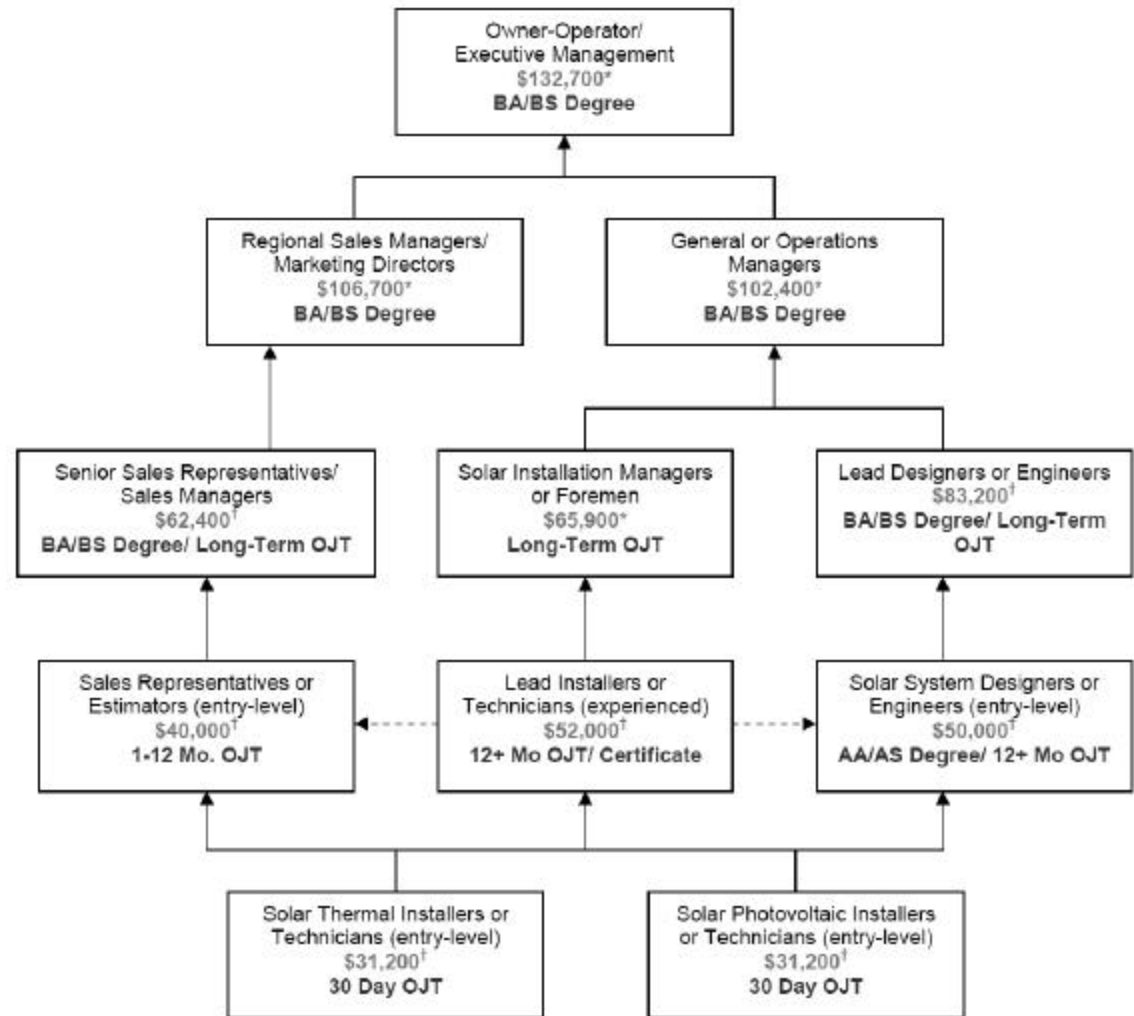
Figure 2 - Green Technology Establishments by Green Sector

Source: Collaborative Economics

“Green” Collar = “Blue” and “White” Collar Jobs



Source: ED



Source: CEERT

Areas of Access For Communities

Green Job Career Paths

Workforce Development Initiatives at local Community Colleges

Apprentice programs with Local Unions

Science and Engineering Tracks for K-12

Important Policies to Support Community Access

Local Government: 1st Hire Local policies

State Level: California 1st Emissions Reductions for AB 32, no out of state “credits”

For Financial Investment: Equity-based criteria, No “earmarks”

Opportunities for Engagement

Easy things to do:

- Share information**

Not-So-Easy things to do:

- Support and Oppose Legislative and Regulatory Proposals**

- Educate and Organize Our Communities, Base-Build**

- Re-Build Civil Society Infrastructure**

Important Venues for Immediate Action:

- CARB (California Air Resources Board) – AB32**

- Community Empowerment Amendment*

- CA Legislature**

- Green Bonds, Workforce Development, Allocation of Carbon Revenues

- PUC (Public Utilities Commission)**

- RPS, LIEE implementation

End

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