

Legend

City of Oakland Code Enforcement 2020

- Violation Verified
- Pending Investigation
- Referred
- Open
- Courtesy Letter Sent
- Re-Activated
- Partially Abated
- Escalated

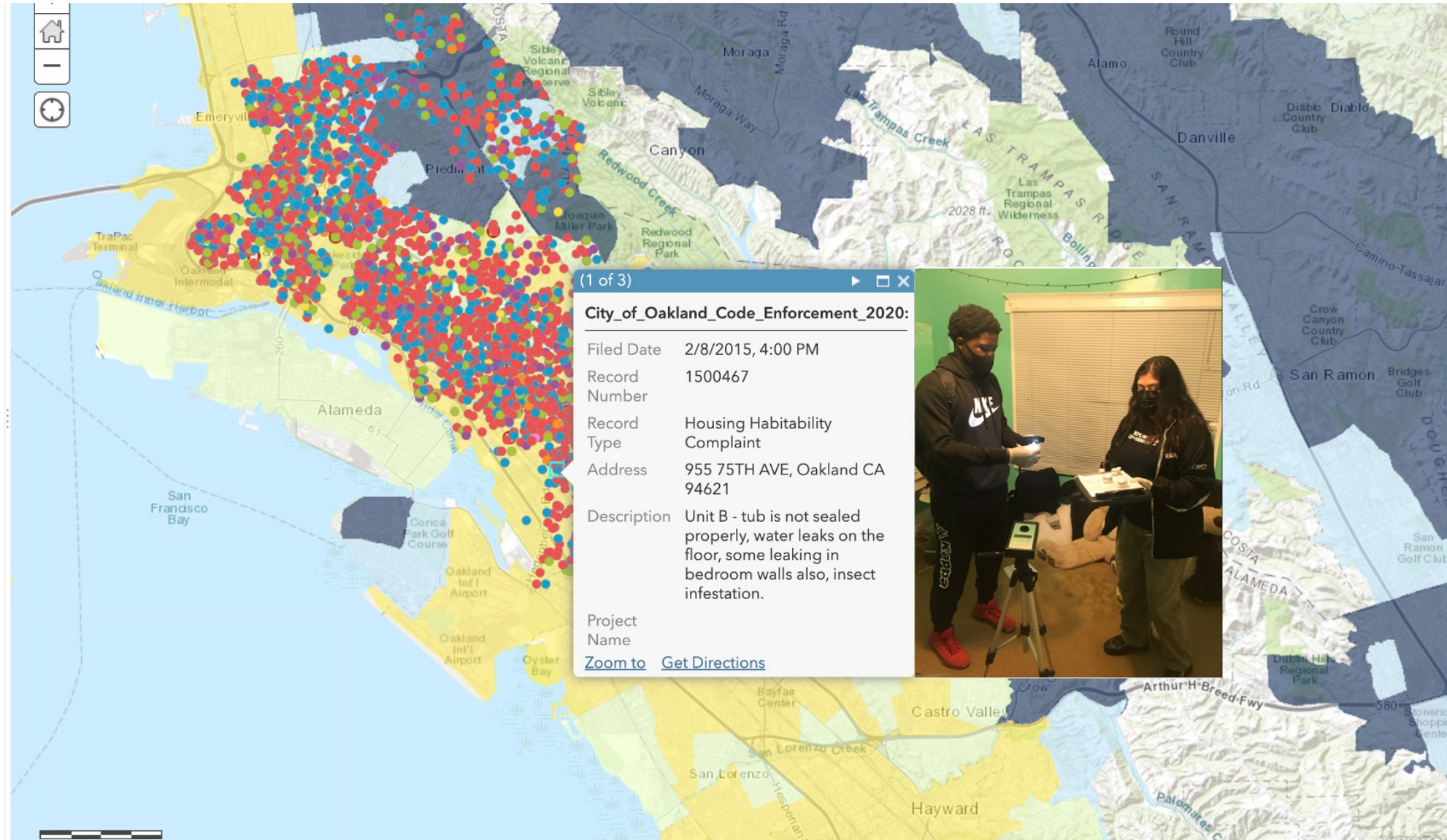
oakland active building rent board complaints action needed



Asthma incidence

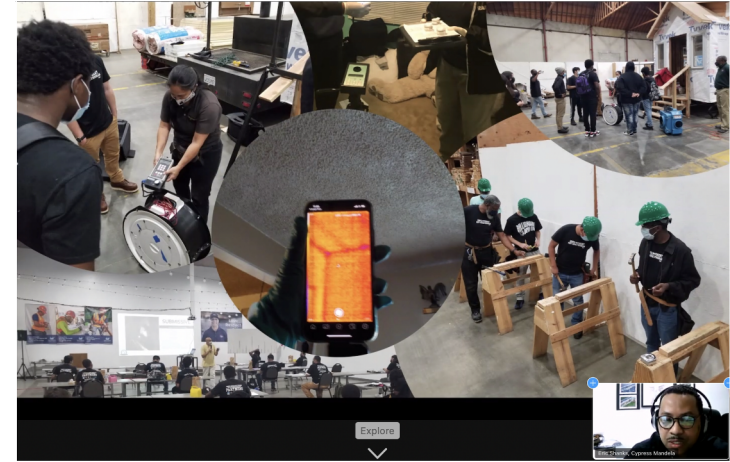
Percentile of asthma incidence among census tracts

- 76-100
- 51-75
- 26-50
- 0-25



Introductions

- Who we are (Revalue.io history and our partners)
 - Cypress Mandela
 - National Association of Minority Contractors
- Partners and participating contractors



Above: Energy Efficiency Training at Cypress Mandela Training Center



(Above:Energy Auditing Training at Cypress Mandela Training Center)

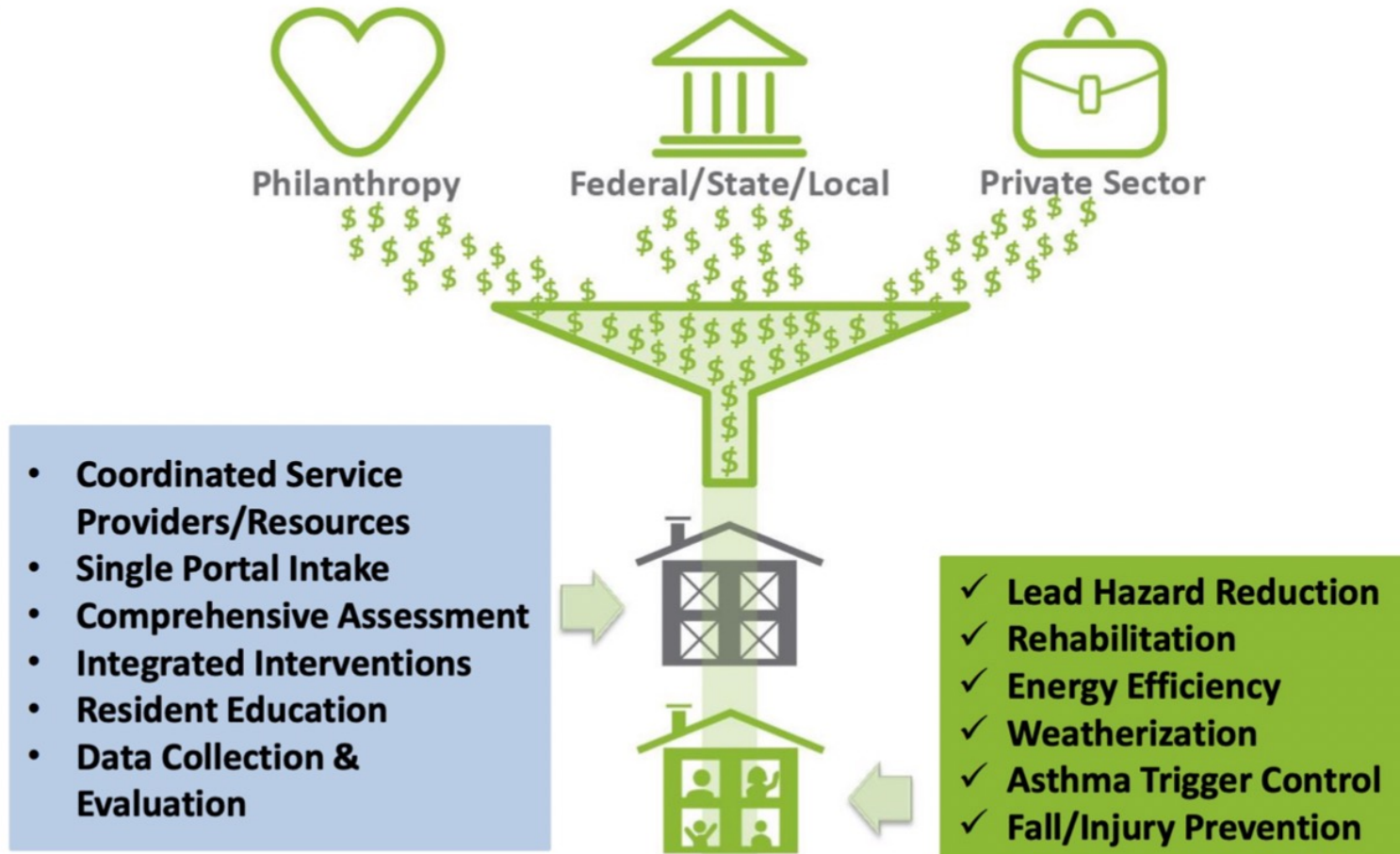


Above: BayREN intern training at Revalue.io office

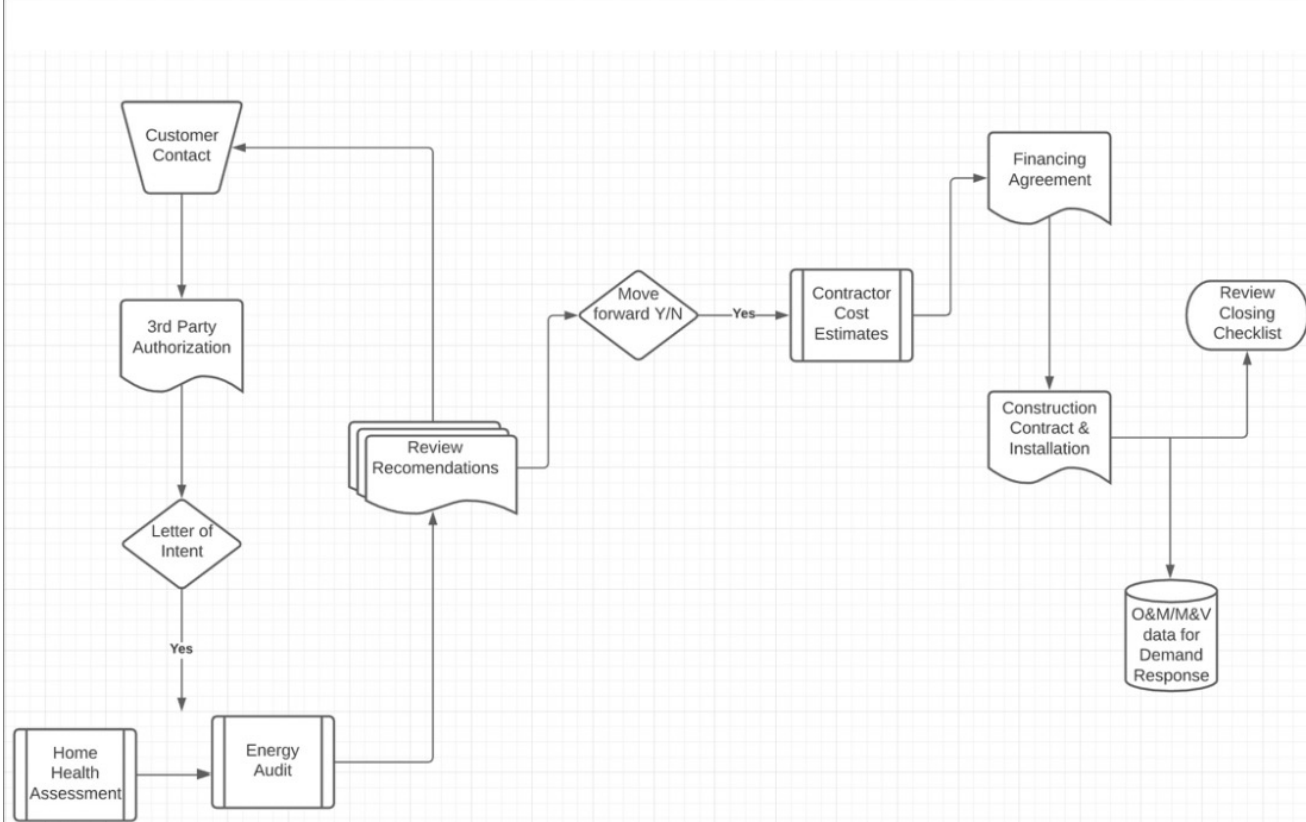


Above: California State Treasurer Fiona Ma & Revalue.io intern

The “No Wrong Door” Model



How it works



MOLD AND MOISTURE ASSESSMENT REPORT

PROVEN PERFORMANCE. THE INDOORS IS OUR ENVIRONMENT!

www.ebindoors.com

1526 Multi 0/6 3,371

East Bay Indoor Environmental, LLC provided an indoor air quality assessment including mold and moisture at 406 36th Street, Oakland, 94608 the property known as "Peace Gardens." Assessment came on multiple dates to accommodate the needs of the occupants. Assessment on the request of the property owner through EEP 2020 (employment exposure program -cgress mandate) due to mold and moisture concerns throughout including rear cottage currently used as storage. The home is separated into studio units. 5 separate tenants (including onsite manager) are currently occupying the space. Each unit contains a functioning bathroom/shower, kitchenette with running water sink, cooking element, sleeping area, no separate bedrooms.

Work area:
All studios, common areas, rear cottage (to be completed)
EB Indoors team along with property manager, all occupants were onsite during the except for one at the time of assessment. The units are currently occupied with personal effects throughout. Hardwood floors in common area. Note* our numbering of the units below is listed as a assessed them.

IAQ CONCERN FOR UNIT BASED ON VISUAL ASSESSMENT! Little to none, recommendations to consider.

Unit 1 (Male occupant front left):
No physical growth observed. No offactory confirmation of musky/damp, mold-type odor. Moisture meter with "pin-ki" confirms DRY building materials across all walls sampled. Occupant remarked that condensation does accumulate at the windows during winter months. Air sample taken.

Unit 2 (Female front right):
Limited physical growth observed in bathroom shower stall area. Consistent with a bathroom in use with this particular design. Cleaning with prime and/or seal is recommended. No offactory confirmation of musky/damp, mold-type odor. Moisture meter with "pin-ki" confirms DRY building materials across all walls sampled. Refrigerator is located on the carpeted floor, this is irregular please consider an alternate location. Air sample taken.

Unit 3 (Viewed):
No physical growth observed. No offactory confirmation of musky/damp, mold-type odor. Moisture meter with "pin-ki" confirms DRY building materials across all walls sampled. Air sample taken.

Unit 4 (Amen):
No physical growth observed. No offactory confirmation of musky/damp, mold-type odor. Moisture meter with "pin-ki" confirms DRY building materials across all walls sampled. Air sample taken.

Unit 5 (Debbie):
No physical growth observed. Kitchen sink beginning to separate from wall. No visible water stains. No offactory confirmation of musky/damp, mold-type odor. Moisture meter with "pin-ki" confirms DRY building materials across all walls sampled. Domestic hygiene red flag regarding over abundance of personal effects in the event of a catastrophe. Air sample taken.

Cottage:
Included in next report.
Temperature (degrees Fahrenheit °F) and relative humidity RH:

Your Energy Audit

Engineers Home Energy Assessment

There are two main sections in this report. The first is the recommended measures. These are evaluated in the model and calculated for potential rebates.

The second section contains information about other measures that you may wish to consider, and even add to the measures you wish to undertake. These do not go through rebate calculations. We will need to "re-calculate" the rebates if you wish to abstain from one of the recommended measures, or add one of the measures contained in the "Additional Notes" section.

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2022 Opportunities (100+ project pipeline, avg. \$25k per)

- Revalue.io Quick Start Grant/TECH Incentives, BAAQMD, EBCE LI BE
- Green Healthy Homes Partnership and Project Data Map
- Alameda County + City of Oakland

Record_Type: Housing Habitability Complaint
 Address: 1821 90TH AVE, Oakland CA 94603
 Description: #C, tenant complaint; sewer pipe in the washroom has a leak, possible work without permits to fix leak, heater is not working-hole in the furnace, shared gas and electrical; damaged beam
 Project_Name: Violation Verified
 Status: [Zoom to](#) [Edit](#) [Get Directions](#)

(1 of 63)
SOMAH_Eligible_Properties: Community of All Nations
 Communities: 75-95% (Disadvantaged)
 Property Address: 2172 DOCKERY CT
 DACs: In DACs
 Percent Low-income Units: > 80%
 SOMAH program: Eligible for SOMAH
 Utility Territory: Pacific Gas & Electric Company
 ZIP: 95206
 Census tract: 6,077,002,100.00
 Max kW DC: 25.5
[Zoom to](#) [Get Directions](#)

2018+ code complaints (Features: 166, Selected: 2)

Long	Lat	Filed_Date	Record_Number	Record_Type	Address	Description
-122.21	37.80	2019-04-08 00:00:00	1,901,483	Housing Habitability Complaint	2803 DELAWARE ST, Oakland CA 94602	Furnace does not work (intermittent and falling)Rear door has wood rot, crumblingRear stairwell is falling down due to wood rotGarage door has large hole due to

SOMAH Eligible Properties (Features: 5700, Selected: 105)

Communities	Property Address	DACs	Percent Low-income Units	SOMAH program	Utility Territory	ZIP
Top 5% (Most Disadvantaged)	1151 East 20th Street	In DACs	Less than 80%	Likely ineligible	n/a	90011
Top 5% (Most Disadvantaged)	722 E. Washington Boulevard	In DACs	> 80%	Likely ineligible	n/a	90021

(Revalue.io has identified 150+ Code Complaints associated with heating in Oakland, 2018-2020)

Thousands of eligible properties throughout California

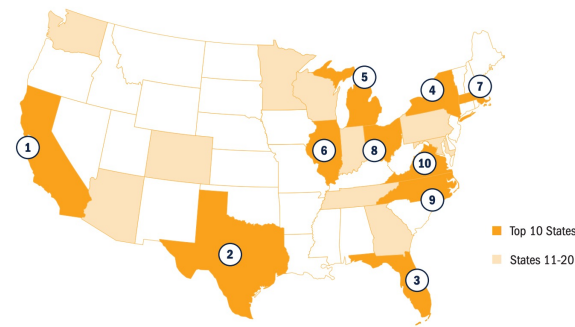
KEY FINDINGS: ALL BUILDING OCCUPATIONS

- Participants in building science occupations earned a median wage of \$22.59, 14.3% higher than the national average.
- The number of building science occupation jobs is projected to grow 9.6% compared to the national rate of 8.4% from 2013-2018.
- Building science occupation jobs were 87.2% Male and 79% White (Not Hispanic or Latino), higher in these categories than the national average.
- The leading age demographic in 2014 was 45-54 at 28.4% compared to 23.4% nationally. Nationally, 58% of those currently employed in the selected occupations are expected to retire in the next 20 years.
- Workers in building science occupations with some college to an AA degree earned a higher median wage in 2014 at \$24.34 than the national average of \$22.05. Workers in building science occupations with high school or less as the entry-level education earned \$21.36 compared to \$16.90 for jobs nationally. For Bachelor of Arts (BA) or higher the median wage rates was \$47.70 for building sciences compared to \$35.07 for jobs nationally.
- Workers with no experience earned a higher median wage in building sciences occupations (\$27.17) compared to inexperienced workers in all other occupations (\$22.09).
- Two of the top ten in-demand specialized skills for building sciences—Repair and Inspection—are among the top ten in-demand specialized skills in all other occupations.
- The top requested baseline skills requested by job postings for both building science occupations and jobs nationally include communication skills, organizational skills, writing, Microsoft Office, planning, and problem solving.
- The top requested software skills requested by job postings for both building science occupations and jobs nationally include Microsoft Office, Microsoft Windows, SAP, Computer Aided Drafting/Design (CAD), and Word Processing.
- Commercial Driver's License appears among the top 10 certifications for both building science occupations and jobs nationally.

⁵ www4.eere.energy.gov

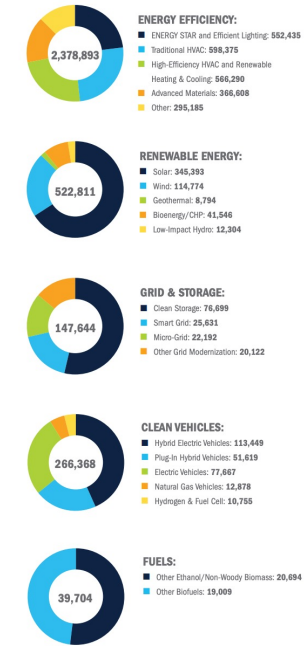
STATEWIDE CLEAN ENERGY EMPLOYMENT Q4 2019

42 states and the District of Columbia employed more clean energy than fossil fuel workers in 2019.



Rank	STATE	TOTAL*	Renewables	Grid & Storage	Energy Efficiency	Clean Fuels	Clean Vehicles
1	California	536,919	142,957	24,021	323,529	5,785	40,627
2	Texas	241,289	39,303	13,204	169,398	2,073	17,309
3	Florida	166,032	24,987	5,499	123,560	2,897	9,090
4	New York	159,337	18,049	4,290	126,739	1,680	8,579
5	Michigan	125,365	11,447	3,896	85,323	625	24,073
6	Illinois	125,364	17,707	5,077	91,024	1,468	10,088
7	Massachusetts	122,477	21,963	7,050	88,231	569	4,664
8	Ohio	114,388	10,607	3,135	83,165	1,353	16,129
9	North Carolina	112,720	12,349	3,727	88,001	1,538	7,105
10	Virginia	97,305	9,047	2,520	80,181	312	5,245

INDUSTRY BREAKDOWN: Q4 2019 EMPLOYMENT



CLEAN ENERGY VS FOSSIL FUELS

3 to 1

Clean energy jobs (3.36 million) outnumbered total fossil fuel employment (1.19 million) by more than 3 to 1 in 2019

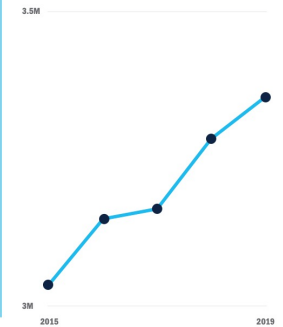
2.5 times more

Renewable generation employed nearly 2.5X more workers than fossil fuel electric power generation

42

States and the District of Columbia employ more clean energy workers than fossil fuel workers

Five-Year Trend 2015–Q4 2019 Employment Growth



Workforce Potential

2020-2021 Projects (\$1M+ in local minority construction contracts)



Above: East Bay Indoor Environmental works to install air filtration system



Above: Solar Panels being installed during Green Healthy Home Renovation



Above: Building Electrification in West Oakland

A collage of three images: a hand using a lead paint testing device on a wall, a hand applying air sealant to a window frame, and a view of insulation being installed in a ceiling. To the right of the images is a text box with a header and a list of problem and solution items.

Problem

- o Customer complained about uneven heating (comfort & cost)
- o Potential lead paint concern (children under 6)

Solution

- ✓ Lead paint grant (\$10k)
- ✓ Air sealing, insulation, 6 zone mini-split heat pump HVAC with smartphone controls

Above: Green Healthy Home Renovation in North Oakland

2019-2021 Recap

- Recap of contractor workshops
- Resulted in
 - \$1M+ in contracts awarded to local minority contractors
 - 50+ new trainees, 13 new participating contractor
 - PNC Bank Relationship
- (BayREN/Stopwaste.org presentation)



Above: 1st Contractor workshop at Revalue.io office



Center: 2nd Contractor workshop at Cypress Mandela



Above Right: Construction start day 1 with Onyx Insulation

Thank you

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