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Comment Received From: Maricela Morales

Submitted On: 10/15/2015

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Add Socioeconomics to Issues Identification

Dear Presiding Commissioner Scott and Commissioner Douglas:

The Central Coast Alliance United for a Sustainable Economy (CAUSE) submits the following scoping comments regarding staff's August 10, 2015 Issues Identification Report ("Issues ID Report") and the Puente Power Project Application for Certification ("AFC") (15-AFC-01). These comments are supplemental to oral comments presented by CAUSE and many of our members at the California Energy Commission's August 27, 2015 Environmental Scoping Meeting and Informational Hearing.

CAUSE is a local nonprofit organization with a 14 year history of community organizing and policy advocacy for social, economic and environmental justice in the Central Coast region. CAUSE's membership is made up of hundreds of predominantly low-income Latino families throughout the Ventura and Santa Barbara Counties area, including Oxnard. CAUSE's Oxnard chapter has worked on environmental justice issues since 2007 including the defeat of a proposed BHP Billiton liquefied natural gas terminal, and the designation of the Halaco toxic waste site as an EPA Superfund site and has identified Oxnard's historic concentration of coastal power plants as a major negative impact on their community. CAUSE represents community members who live in environmental justice communities and are customers that share a concern for the environment.

CAUSE disagrees with staff's conclusion that socioeconomics is not a major issue in this proceeding (Issues ID Report, at p. 3). According to the 2010 Census, the City of Oxnard's population is 74% Latino, and 85% people of color. Oxnard has a median income well below the Ventura County average and a poverty rate well above. 29% of its residents live in linguistic isolation and 47% of residents 25 years or older have less than a high school education. As a textbook environmental justice community, Oxnard has historically served as the site for locally unwanted land uses for the Central Coast region, including bearing the burden of fossil fuel power generation for all of the surrounding cities, with three power plants on its coast. Oxnard residents face several layers of cumulative environmental and health impacts in addition to its concentration of power plants including an EPA Superfund site, landfills, oil and gas development, and heavy fumigant pesticide use. The California EPA's CalEnviro Screen 2.0 characterizes much of the city as disadvantaged, with some census tracts ranking within the top 10% of environmentally burdened California communities and the city overall ranking within the top 20%. Data showing the environmental justice communities impacted by the Puente proposal are attached in a separate document, the testimony of Amy Vanderwalker of the California Environmental Justice Alliance before the California Public Utilities Commission.

The AFC and Issues ID Report state that there are no environmental justice communities within a six mile radius of the Puente proposal. Oxnard does in fact have multiple Census tracts within a 6 mile radius of the plant that are among the most environmentally burdened in the state. These include Census tract 6111004902 that has a score of 96-100%, the highest possible score, and Census tract 6111009100, with a score of 91-95%, each with other 5,000 residents. No other city within the Moorpark Sub-area of the Puente proposal has even one Census tract scoring within the 90th percentile. Oxnard is uniquely burdened with the region's polluting industry, a legacy that the Puente proposal contributes to.

Within the city of Oxnard as a whole, over 50,000 people are residents of Census tracts within the 70th percentile of pollution burden or above. Although some fall just outside the arbitrary six mile radius in NRG's AFC, the Puente location is also immediately adjacent to public beach recreational areas used extensively by working-class

immigrant community members from throughout Oxnard as well as agricultural fields surrounding the site where between 1,000 and 3,000 farmworkers labor daily between half a mile and four miles away.

Oxnard's socioeconomically disadvantaged residents and workers would breathe the air pollution emitted by the proposed Puente plant on a daily basis. These negative environmental impacts add to the heavy existing environmental burden experienced by this community. CAUSE asks that the Commission incorporate socioeconomics as a key issue in its considerations of the Puente proposal.

Sincerely,

Maricela Morales
Executive Director
CAUSE

Additional submitted attachment is included below.



Central Coast Alliance United for a Sustainable Economy

CAUSE regional power in action

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October 14, 2015

Commissioner Janea A. Scott, Presiding Member
Commissioner Karen Douglas, Associate Member
California Energy Commission
1516 Ninth Street, MS-29
Sacramento, CA 95814-5512

RE: Comments on Proposed Puente Power Project Staff Issues Identification Report (15-AFC-01)

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Sincerely,



Maricela Morales
Executive Director
CAUSE

1 Application: 14-11-016
2
3 Witness: Amy Vanderwarker
4
5 Exhibit No.:

6
7 **BEFORE THE PUBLIC UTILITIES COMMISSION**
8
9 **OF THE STATE OF CALIFORNIA**

10 Application of Southern California Edison
11 Company (U338E) for Approval of the
12 Results of Its 2013 Local Capacity
Requirements Request for Offers for the
Moorpark Sub-Area

Application 14-11-016
(Filed November 26, 2014)

13
14
15 **PREPARED TESTIMONY OF AMY VANDERWARKER ON BEHALF OF THE**
16 **CALIFORNIA ENVIRONMENTAL JUSTICE ALLIANCE**
17 **REGARDING OXNARD AS A STATE-IDENTIFIED OVERBURDENED AREA**
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I. WITNESS BACKGROUND.....1

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E. Oxnard’s communities are heavily burdened by poverty, and language and educational barriers.....9

IV. THE MANDALAY POWER PLANTS ARE SURROUNDED BY AGRICULTURAL FIELDS WHERE 1,000 TO 3,000 FARM LABORERS WORK.....10

1 I. WITNESS BACKGROUND

2 My name is Amy Vanderwarker, and I am the co-Coordinator of the California
3 Environmental Justice Alliance (CEJA), a statewide coalition of six grassroots, community-based
4 environmental justice organizations throughout California, and intervenor party in this matter.
5 Since 2010, when I joined CEJA, I have also served as Coordinator of CEJA's Green Zones
6 program, which employs a unique, community-driven model to transition overburdened
7 communities from toxic hotspots into healthy neighborhoods.

8 In managing the CEJA Green Zones program, I direct campaign research, manage
9 development of CEJA's strategy around Green Zones and CI, and coordinate CEJA's
10 administrative and legislative advocacy around Green Zones and CI. In addition, I am the lead
11 coordinator and author of CEJA's annual Environmental Justice Scorecard, which evaluates the
12 voting records of state legislators on key measures that impact the environment and quality of
13 life in low-income communities and communities of color throughout California. I hold degrees
14 in Development Studies and Geography from the University of California, Berkeley.

15 *See Addendum (Amy Vanderwarker Curriculum Vitae).*

16 CEJA has expertise in environmental Cumulative Impacts (CI), and has worked for years
17 on developing, testing, and using CI methodologies statewide. CI is a critical issue facing low-
18 income communities and communities of color overburdened by pollution. Accordingly, CEJA
19 has invested resources and actively participated in developing a CI screening tool. Several years
20 ago, CEJA formed a partnership with professors and researchers Manuel Pastor (University of
21 Southern California), Rachel Morello-Frosch (UC Berkeley), and Jim Sadd (Occidental College)
22 on the development of their CI screening tool, the Environmental Justice Screening Methodology
23 (EJSM). In 2011, we contracted with the group of researchers to run the EJSM in 11
24 environmental justice communities throughout California to model and test its accuracy. We
25 field-tested over 15 square miles of California environmental justice communities, in both urban
26 and rural settings.

27

28

1 CEJA has also been closely involved in the California Environmental Protection
2 Agency's (CalEPA) development, review, and implementation of the California Communities
3 Environmental Health Screening Tool (CalEnviroScreen), a CI tool used to identify areas that are
4 disproportionately affected by pollution and are socioeconomically disadvantaged, as discussed
5 in further detail below. These experiences have allowed CEJA to compare the models,
6 understand how the tools are best applied, and augment our understanding of the science of CI
7 methodologies.

8 In practice, CEJA has become a resource to California decisionmakers seeking advice on
9 how to evaluate which communities meet the criteria of CI, or should be considered to be
10 "disadvantaged" or "environmental justice" communities. For example, I have provided
11 legislative testimony on CI screening tools, and also regularly provide trainings on such tools,
12 including CalEnviroScreen, and conducted extensive analysis on the best uses of
13 CalEnviroScreen in state policy. Most recently, I helped coordinate between CalEPA and CEJA
14 on a presentation on CalEnviroScreen to the California Public Utilities Commission.

16 II. THE CALIFORNIA OFFICE OF ENVIRONMENTAL HEALTH HAZARD 17 ASSESSMENT'S CALENVIROSCREEN 2.0.

18 A. Background to Development of CalEnviroScreen.

19 The development of CalEnviroScreen dates back almost 15 years. Since 1999, State law
20 has required "the fair treatment of people of all races, cultures, and incomes with respect to the
21 development, adoption, implementation, and enforcement of environmental laws, regulations,
22 and policies[,]"¹ and incorporation of environmental justice policies into all of its programs.² In
23 2000, Senate Bill 89 (Escutia) established a procedural framework for pursuing environmental
24 justice in California. Senate Bill 89 mandated the creation of a Cal/EPA Interagency Working
25 Group on Environmental Justice, as well as the Advisory Committee on Environmental Justice
26 (EJ Advisory Committee), composed of external stakeholders, to assist the Interagency Working

27

¹ Cal. Gov. Code 65040.12(e).

28 ² See Cal. Pub. Res. Code §§ 71110-71114.1.

1 Group in developing a strategy to identify and address environmental justice gaps in Cal/EPA
2 programs.³

3 The EJ Advisory Committee was made up of 17 members, including the Environmental
4 Health Coalition, a founding member of CEJA and thirty-year old environmental justice
5 community group in San Diego. Diane Takvorian, Executive Director of the Environmental
6 Health Coalition, co-chaired the Committee. The EJ Advisory Committee recommended in its
7 Final Report to the Interagency Working Group that the State develop a cumulative impacts
8 screening tool.⁴ As a result, in 2009, the Cumulative Impacts/Precautionary Approaches Work
9 Group was created and charged with overseeing the development of such a tool, in which the
10 Environmental Health Coalition also participated. CalEnviroScreen was created by the
11 California Office of Environmental Health Hazard Assessment (“OEHHA”) as the tool “to
12 identify areas that are disproportionately affected by pollution and areas that are
13 socioeconomically disadvantaged.”⁵ CalEnviroScreen is an important tool that was developed
14 through a lengthy public process.⁶ Beginning in 2009, CalEPA held numerous public meetings
15 and workshops to discuss the development of CalEnviroScreen. A “discussion draft” was first
16 released in 2010, and CEJA and our members participated in virtually every opportunity for
17 public engagement since that time, from attending workshops to submitting public comments.

18 B. CalEnviroScreen 2.0.

19 The current version of CalEnviroScreen, CalEnviroScreen 2.0, released in August 2014,
20 was created in order to “identify communities in California most burdened by pollution from
21 multiple sources and most vulnerable to its effects, taking into account socioeconomic
22
23

24 ³ RECOMMENDATIONS OF THE CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY (CAL/EPA)
25 ADVISORY COMMITTEE ON ENVIRONMENTAL JUSTICE TO THE CAL/EPA INTERAGENCY WORKING GROUP
26 ON ENVIRONMENTAL JUSTICE, FINAL REPORT (September 30, 2003), at 3-7 *available at*
http://www.calepa.ca.gov/EnvJustice/Documents/2003/FinalReport.pdf; Cal. Pub. Res. Code § 71114.

26 ⁴ *Id.* at 15 & 20.

26 ⁵ See D.15-01-051, pp. 52-53 (describing CalEnviroScreen).

27 ⁶ OEHHA, CALIFORNIA COMMUNITIES ENVIRONMENTAL HEALTH SCREENING TOOL, VERSION 2.0 ii
(Aug. 2014), *available at* *http://oehha.ca.gov/ej/pdf/CES20Finalreport2014.pdf* (hereinafter
28 “CalEnviroScreen Final Report”).

28 ⁶ CalEnviroScreen Final Report, p. i-ii.

characteristics and underlying health status.”⁷ CalEnviroScreen was designed to assist CalEPA “in carrying out its environmental justice mission to conduct its activities in a manner that ensures the fair treatment of all Californians, including minority and low-income populations.”⁸

CalEnviroScreen gives decision-makers a clear, credible scientific methodology to identify environmental justice communities.⁹ It is a strong methodology that has been vetted by environmental justice academics and advocates for the past five years.¹⁰ It provides a reliable definition of disadvantaged communities, using a cumulative impact screening tool.

CalEnviroScreen 2.0 ranks California’s approximately 8,000 census tracts using a quantitative analysis of multiple pollution sources and stressors.¹¹ CalEnviroScreen “includes two components representing pollution burden – exposures and environmental effects – and two components representing population characteristics – sensitive populations (e.g., in terms of health status and age) and socioeconomic factors.”¹² CalEnviroScreen 2.0 uses 19 statewide indicators to characterize both pollution burden and population characteristics, as illustrated in the following table:

CALENVIROSCREEN 2.0 INDICATORS			
Exposures	Environmental Effects	Sensitive Populations	Socioeconomic Factors
<input type="checkbox"/> Ozone	<input type="checkbox"/> Cleanup sites	<input type="checkbox"/> Children and elderly	<input type="checkbox"/> Educational attainment
<input type="checkbox"/> PM 2.5	<input type="checkbox"/> Groundwater threats	<input type="checkbox"/> Asthma ER visits	<input type="checkbox"/> Linguistic isolation
<input type="checkbox"/> Diesel PM	<input type="checkbox"/> Impaired waters	<input type="checkbox"/> Low birth weight infants	<input type="checkbox"/> Poverty
<input type="checkbox"/> Pesticide use	<input type="checkbox"/> Solid waste sites and facilities		<input type="checkbox"/> Unemployment
<input type="checkbox"/> Toxic releases from facilities	<input type="checkbox"/> Hazardous waste facilities and generators		
<input type="checkbox"/> Traffic density			
<input type="checkbox"/> Drinking water quality			

⁷ OEHHA, APPROACHES FOR IDENTIFYING DISADVANTAGED COMMUNITIES 1 (Aug. 2014), available at <http://oehha.ca.gov/ej/pdf/ApproachesIdentifyDisadvantagedCommunitiesAug2014.pdf> (hereinafter “Approaches for Identifying Disadvantaged Communities”).

⁸ CalEnviroScreen Final Report.

⁹ *Id.*, p. 1.

¹⁰ *Id.* at pp. i-ii.

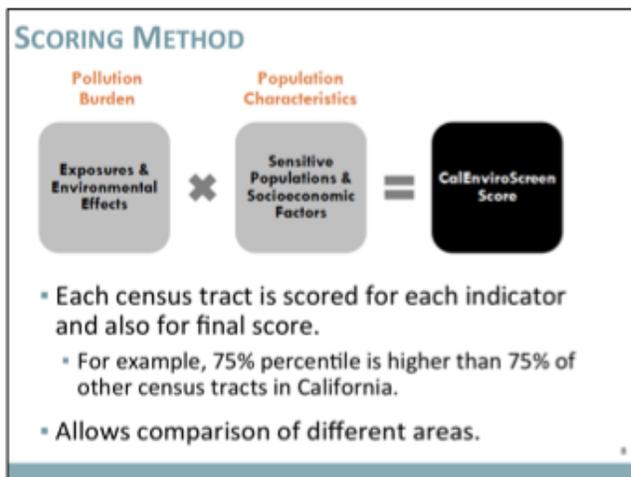
¹¹ Approaches for Identifying Disadvantaged Communities, p. 2.

¹² CalEnviroScreen Final Report, p. 4.

1 The exposures indicators of the pollution burden component consist of pollutants with
2 which people come into direct contact. The environmental effects indicators of the pollution
3 component consist of adverse environmental conditions caused by pollutants.
4

5 The sensitive populations indicators of the populations characteristics component consist
6 of individual biological characteristics that result in increased vulnerability to pollutants. The
7 socioeconomic factors indicators consist of community characteristics that result in increased
8 vulnerability to pollutants.

9 The tool's scientific methodology examines how many indicators are present within each
10 Census Tract using a scoring system "to weigh[] and sum each set of indicators within pollution
11 burden and population characteristics components."¹³ "After the components are scored, the
12 scores are combined as [shown in the table below] to calculate the overall CalEnviroScreen
13 Score."¹⁴



22 Numerical scores for each census tract, as well as the individual indicator scores for each
23 census tract, are publicly available online at OEHHA's CalEnviroScreen 2.0 web site.¹⁵ An
24 online mapping application shows CalEnviroScreen 2.0 scores for all census tracts across the
25

26 ¹³ *Id.* at p. 5.

27 ¹⁴ *Id.*

28 ¹⁵ Available at:

<http://oehha.maps.arcgis.com/apps/MapJournal/index.html?appid=4b03ebe3789a445b90cb166dbbabf821&webmap=279ecb0d5c7d470496d116a6ab6586c0>

1 state, and allows users to search the scores on the scale of individual census tracts. The
2 information is also available in a Microsoft Excel spreadsheet format showing raw data and
3 calculated percentiles for individual indicators, and combined CalEnviroScreen 2.0 scores for
4 individual census tracts with additional demographic information.¹⁶

5 C. Use of CalEnviroScreen 2.0 in Legislative Programs & Activities.

6 Cal/EPA has used CalEnviroScreen 2.0 to implement state legislation. For example,
7 CalEnviroScreen 2.0 is being utilized to help inform CalEPA's identification of disadvantaged
8 communities pursuant to SB 535,¹⁷ which requires "that 25 percent of the proceeds from the
9 state's cap-and-trade auctions be invested in projects that benefit disadvantaged communities,
10 including 10 percent for projects located within these areas."¹⁸ Because CalEnviroScreen has
11 been developed to identify areas that are "disproportionately affected by pollution and those
12 areas whose populations are socioeconomically disadvantaged," CalEPA has relied on
13 CalEnviroScreen to meet SB 535 requirements.¹⁹

14 The Commission recognized in its SB 43 proceeding that CalEnviroScreen is a reliable
15 tool when it found that it should be used to identify disadvantaged communities.²⁰ SB 43 uses
16 the term "disadvantaged communities," and defines it to mean vulnerable communities
17 disproportionately affected by "environmental pollution and other hazards that can lead to
18 negative public health effects, exposure, or environmental degradation" and "areas with
19 socioeconomic vulnerability."²¹ SB 43 states that the communities shall be identified by census
20 tract, and that the communities shall be the most impacted 20 percent.²² In its decision adopting
21

22 ¹⁶ Available at: <http://oehha.ca.gov/ej/ces2.html>

23 ¹⁷ Cal. EPA, *Designation of Disadvantaged Communities Pursuant to Senate Bill 535 (De León)* (Oct.
2014), available at <http://www.calepa.ca.gov/EnvJustice/GHGInvest/Documents/SB535DesCom.pdf>.

24 ¹⁸ OEHHA, *CalEPA Finalizes Major Update to Environmental Health Screening Tool CalEnviroScreen*
25 *2.0 to Help Direct Investments to Disadvantaged Communities*, Press Release (Aug. 14, 2014), available
at http://oehha.ca.gov/public_info/press/ces2pressrelease2014.html (hereinafter "CalEnviroScreen Press
Release").

26 ¹⁹ Cal. EPA, *Designation of Disadvantaged Communities Pursuant to Senate Bill 535 (De León)* (Oct.
2014), p. 1, available at
<http://www.calepa.ca.gov/EnvJustice/GHGInvest/Documents/SB535DesCom.pdf>.

27 ²⁰ D.15-01-051, pp. 53-54.

28 ²¹ Cal. Senate Bill 43, Ch. 413, Cal. Pub. Util. Code § 2833 (1)(A) (emphasis added) (hereinafter "SB
43").

²² *Id.*

1 the use of CalEnviroScreen 2.0 to identify the most disadvantaged communities for the purpose
2 of directing renewable projects to these communities, the Commission explained that:

3 First, as required by SB 43, CalEnviroScreen was developed by CalEPA. Second,
4 although CalEnviroScreen was originally implemented for allocation of
5 greenhouse gas (GHG) funds, SB 535 and SB 43 cite almost identical factors to
6 be used in identifying target locations. Third, CalEnviroScreen is committed to
7 continuing to update and refine its methodology. Fourth, CalEnviroScreen will
8 provide a consistent state-wide screening methodology.²³

9 Accordingly, CalEnviroScreen 2.0 is the preeminent CI screening tool used to
10 identify communities in California experiencing environmental injustice.

11 III. OXNARD IS IDENTIFIED AS A VULNERABLE, ENVIRONMENTALLY 12 BURDENED COMMUNITY.

13 I reviewed searches of CalEnviroScreen 2.0's online mapping of census tracts within
14 Oxnard and the Moorpark Subarea, in order to determine assigned combined scores of areas
15 pertinent to this matter, as well as scores for individual indicators and racial characteristics. I
16 also reviewed searches of CalEnviroScreen 2.0's findings reflected in OEHHA's Microsoft
17 Excel spreadsheet format showing raw data and percentiles for individual indicators, combined
18 CalEnviroScreen 2.0 scores for individual census tracts, and additional demographic
19 information. These findings are discussed below and shown attachments attached hereto.

20 A. Oxnard has multiple census tracks within the top 10% most environmentally 21 burdened communities in the state.

22 CalEnviroScreen indicates that Oxnard has multiple census tracks with a
23 CalEnviroScreen 2.0 score within the 90th percentile. *See* Attach. 3 (CalEnviroScreen 2.0 map,
24 Oxnard area); Attach. 4 (CalEnviroScreen 2.0 Excel Spreadsheet). These areas within Oxnard
25 are thus subjected to the highest ranked environmental pollution burdens. One such census
26 tract's western border is on Oxnard Blvd. and 5th Street, *see* Attach. 3, which is only 4.7 miles
27 from NRG's existing Mandalay Generating Station and Southern California Edison's proposed
28 site for a new 262 MW natural gas power plant ("the Mandalay Power Plants"), *see* Attach. 5
(Google directions map). Oxnard also has a census tract, number 6111004902, inhabited by at

²³ D.15-01-051, pp. 53-54 (internal citations omitted).

1 least 5,091 people, with a score of 96-100%, the highest possible score. *See* Attach. 6
2 (CalEnviroScreen 2.0 map highlighting Oxnard census tract # 6111004902). This area's western
3 border is Rose Ave., and its southern border is 5th Street. *See id.* This top 5th percentile census
4 tract lies only 5.7 miles from the Mandalay Power Plants. *See* Attach. 7 (Google directions
5 map).

6 No other city within the Moorpark Sub-area suffers from the burdens faced by Oxnard's
7 residents, as not even one census tract of those other cities score within the 90th percentile. *See*
8 Attach. 8 (CalEnviroScreen 2.0 map of Moorpark sub-area region).

9 B. Oxnard ranks within CalEnviroScreen's top 20% most environmentally burdened
10 cities in the State.

11 CalEnviroScreen shows that the City of Oxnard ranks within CalEnviroScreen 2.0's top
12 80th percentile. *See* Attach. 1 (CalEnviroScreen 2.0 Most Vulnerable Census Tracts map,
13 Oxnard area). This means that Oxnard's pollution burdens, and its population's vulnerability to
14 the pollutants' effects, are higher than 80 percent of all other communities in the State. At least
15 24,392 Oxnard residents live within the five census tracts ranking in top 80th percentile. *See*
16 Attach. 4 (CalEnviroScreen 2.0 Excel Spreadsheet listing results for census tracts in Oxnard).
17 The western-most 80th percentile-ranking tract has a western border of Oxnard Blvd., and
18 intersects with 5th Street, *see* Ex. 1, which again, is only 4.7 miles from the Mandalay Power
19 Plants, *see* Attach. 5 (Google directions map). The eastern-most 80th percentile-ranking tract has
20 a western border of Rice Ave., and northern border of 5th Street, *see* Attach. 9 (CalEnviroScreen
21 2.0 map, highlighting Census Tract # 6111004704), which is 6.7 miles from the Mandalay Power
22 Plants, *see* Attach. 10 (Google map).

23 No other community within the Moorpark Subarea falls within the top 80th percentile.
24 *See* Attach. 2 (CalEnviroScreen 2.0 Most Vulnerable Census Tracts map, Moorpark Sub-area
25 region).²⁴

26
27 ²⁴ Compare Attachment 2 with TESTIMONY OF SOUTHERN CALIFORNIA EDISON COMPANY (U
28 338-E) ON THE RESULTS OF ITS 2013 LOCAL CAPACITY REQUIREMENTS REQUEST FOR
OFFERS (LCR RFO) FOR THE MOORPARK SUB-AREA, PUBLIC VERSION, November 26, 2014,
at 5-6 (describing and including map of Moorpark Sub-area).

1 C. Oxnard has a census tract ranking in the 76th to 80th percentile range.

2 Oxnard census tract number 6111004503, with at least 4,387 residents, ranks in the 76th-
3 80th percentile range. *See* Attach. 11 (CalEnviroScreen 2.0 map, highlighting Census Tract #
4 6111004503). The western border of this tract is Saviers Road, and the northern border is W.
5 Pleasant Valley Road. *See id.* This bordering corner is only 7.0 miles in distance from the
6 Mandalay Power Plants. *See* Attach. 12 (Google map).

7 D. Oxnard has several census tracts ranking in the 71st to 76th percentile range.

8 At least 23,640 Oxnard residents live within census tracts scoring in the 71st to 76th
9 percentile range, thus falling within the top 30% most burdened communities in the State. *See*
10 Attach. 4. The westernmost tract within this range is census tract number 6111004304, and its
11 northwest corner is at S. Victoria Ave. and W. Hemlock Rd. *See* Attach. 13 (CalEnviroScreen
12 2.0 map, highlighting Census Tract # 6111004304). This bordering corner is only 3.5 miles from
13 the Mandalay Power Plants. *See* Attach. 14 (Google map).

14 E. Oxnard's communities are heavily burden by poverty, and language and
15 educational barriers.

16 All together, at least 52,419 residents live in Oxnard communities ranked in the top 30%
17 by CalEnviroScreen 2.0. *See* Attach. 15 (Summary of Data from CalEnvironScreen 2.0 for all
18 census tracts in Oxnard ranking in at least the top 30%). An examination of these communities
19 demonstrates that they are heavily burdened by poverty, pollution, and language and educational
20 barriers that uniquely impede their meaningful participation in proceedings concerning new
21 power generation facilities in and environment policies affecting their communities.²⁵

22 The CalEnviroScreen 2.0 profile for the top 30% environmentally burdened communities
23 in Oxnard communities includes:²⁶

- 24 • 85% Latino population;

27 ²⁵ CalEnviroScreen 2.0, Raw Date Excel Spreadsheet, available at <http://www.oehha.ca.gov/ej/ces2.html>.

28 ²⁶ *See* Attach. 15 (Summary of Data for CalEnviroScreen 2.0's results for top 70th percentile of Oxnard
census tracts) & Exhs. 4 & 21 (CalEnviroScreen 2.0 Excel Spreadsheets).

- 1 • 29.03% linguistic isolation (percentage of households in which no one age 14 and
2 over speaks English “very well” or speaks English only), placing these residents
3 in the top 10% of linguistically isolated households;²⁷
- 4 • 56.44 % percent of the population living below two times the federal poverty
5 level, placing these residents in the top 20% of poverty stricken households;²⁸
6 and
- 7 • 46.5% of the population over 25 years of age with less than a high school
8 education, placing these residents in the top 10-20% of California residents.²⁹

9
10 IV. THE MANDALAY POWER PLANTS ARE SURROUNDED BY AGRICULTURAL
11 FIELDS WHERE 1,000 TO 3,000 FARM LABORERS WORK.

12 In addition to the number of disadvantaged communities living in close proximity to the
13 Mandalay Power Plants, there are thousands of farm workers who *work* in even *closer* proximity
14 to the plants.

15 The City of Oxnard is largely an agricultural city. According to a 2013 publication by
16 the Oxnard Chamber of Commerce, agriculture is the largest industry job sector.³⁰ A search in
17 the U.S. Census Bureau’s “Fact Finder” website for “industry by occupation” in Oxnard reveals
18 that agriculture is the second largest job sector, only slightly below the educational, health care,
19 and social assistance services sector. *See Attach. 16.* According to the U.S. Census Bureau, over
20 15,000 Oxnard residents are employed in the agricultural industry, with well over 90% in non-
21 management, non-sales jobs. *See id.*

22 A Google map search shows that numerous agricultural fields surround the Mandalay
23 Power Plants. *See Attach. 17.* The agricultural fields and their workers in closest proximity are
24 less than half a mile away from the power plants. *See Attach. 18.* Of the body of fields
25 immediately surrounding the power plants, those furthest out are only about four miles away.
26 *See Attach. 19.* The U.S. Census Bureau provides an estimate of the number of agricultural

27 ²⁷ CalEnviroScreen Final Report, at 111 & 114.

28 ²⁸ *Id.* at 118.

29 ²⁹ *Id.* at 109.

30 ³⁰ *City of Oxnard Community Profile* (October 2013), p. 13. Available at:
28 <http://www.cityofoxnard.org/uploads/oxnard%20community%20profile.pdf>

1 workers who labor in these fields. *See Attach. 20.* This data is found in the Census Bureau’s
2 “On The Map” internet application,³¹ accessed through a link on the Bureau’s website for the
3 Longitudinal Employer-Household Dynamics,³² which is part of its Center for Economic
4 Studies. A search in the Census Bureau’s “On the Map” database reveals that between 1,000 and
5 over 3,000 people labor in the agricultural fields surrounding the Mandalay Power Plants.³³

6
7 DATED: April 8, 2015

By:

/s/

8

Amy Vanderwarker

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³¹ Available at: <http://onthemap.ces.census.gov>.

³² Available at: <http://lehd.ces.census.gov>.

26 ³³ This search is conducted on <http://onthemap.ces.census.gov> by searching “Ventura County” in the
27 Search field, and then selecting the link to “perform analysis of selection area.” In the analysis settings,
28 select and run a search for “all workers,” and then from the menu on the right side, select the industry
sector of “Agriculture, Forestry, Fishing, and Hunting.” Finally, use the zoom feature to view the data for
the agricultural area surrounding the Mandalay Power Plants.

ADDENDUM

(Curriculum Vitae of Amy Vanderwarker)

Amy Vanderwarker
1904 Franklin, Suite 600
510.302.0430 x 13 amy@caleja.org

Work Experience

California Environmental Justice Alliance 2010 - Present
Co-Coordinator

- Manager for Green Zones program, including facilitating campaign research, strategy development, administrative and legislative advocacy, community engagement
- Responsible for raising the annual organizational budget of approximately \$400,000
- Lead coordinator and author for annual Environmental Justice Scorecard
- Coordinate overall communications work, managing and drafting content for website, email blasts and advocacy petitions
- Co-facilitate overall legislative advocacy for the alliance
- Support organizational development activities such as Steering Committee meetings and Strategic Planning process
- Co-coordinate major organizational events such as annual Congreso

Nonprofit Consultant 2008 - 2010
Writing, research, fund development and project management

Partial list of clients:

- Community Water Center
- Environmental Justice Coalition for Water
- Pacific Institute
- Winnemem Wintu Tribe

Environmental Justice Coalition for Water 2004 - 2007
Outreach Manager

Responsibilities included:

- Developing and maintaining coalition membership and outreach program
- Coordinating campaigns and activities with local community groups
- Coordinating strategic communications, including press events and public materials
- Developing workshops and presentations for community groups
- Policy analysis and related technical assistance for community groups
- Grant writing and monitoring program budget and fiscal commitments
- Development and oversight of EJCW Internship program
- Participating in and facilitating coalition-wide organizational development meetings, and monitoring program budget and fiscal commitments

Publications

“Central Valley Water Woes”

Race, Poverty and the Environment, Fall 2009.

“Environmental Justice and Water”

Pacific Institute, chapter in *21st Century Water Policy*

“Flaring at the Chevron Refinery,” “Access to Shoreline Open Space,” and “Water Contamination in Creeks and Bays,” in *Measuring What Matters: Neighborhood Research for Economic and Environmental Health and Justice in Richmond, North Richmond, and San Pablo*

Pacific Institute, June 2009

Amy Vanderwarker
1904 Franklin, Suite 600
510.302.0430 x 13 amy@caleja.org

“Water, Environmental Justice and Land Use Planning: Richmond, California”
Progressive Planning Journal, Fall 2006

Thirsty for Justice: A People's Blueprint for California Water
Principal co-author, Environmental Justice Coalition for Water, June 2005

Community Engagement

Co-founder, Eastlake United for Justice 2012 - Present
Helped start and facilitates neighborhood-based organization working for affordable housing, community safety and social justice in Oakland, CA

President, Board of Directors, Community Water Center 2008 – Present
Board President for environmental justice and water nonprofit based in Visalia and Sacramento, CA (Board President since January 2014)

Artist and Member, San Francisco Print Collective 2009 - Present
Silk screen artist and member of all volunteer collective that produces graphic art to support community-based campaigns for justice. Co-facilitated screenprinting workshops for organizers and activists and incarcerated people.

Skills and education

Proficient with Adobe Creative Suite, desktop publishing programs, and web-based Content Management Systems

University of California, Berkeley
Graduated May 2003 with honors; Development Studies program; Minor in Geography

ATTACHMENT 1

ArcGIS - CalEnviroScreen 2.0 Most Vulnerable Census Tracts

MODIFY MAP [Sign In](#)

[Details](#) | [Basemap](#)

[Print](#) | [Measure](#)

[About](#) | [Content](#) | [Legend](#)

CalEnviroScreen 2.0 Most Vulnerable Census Tracts

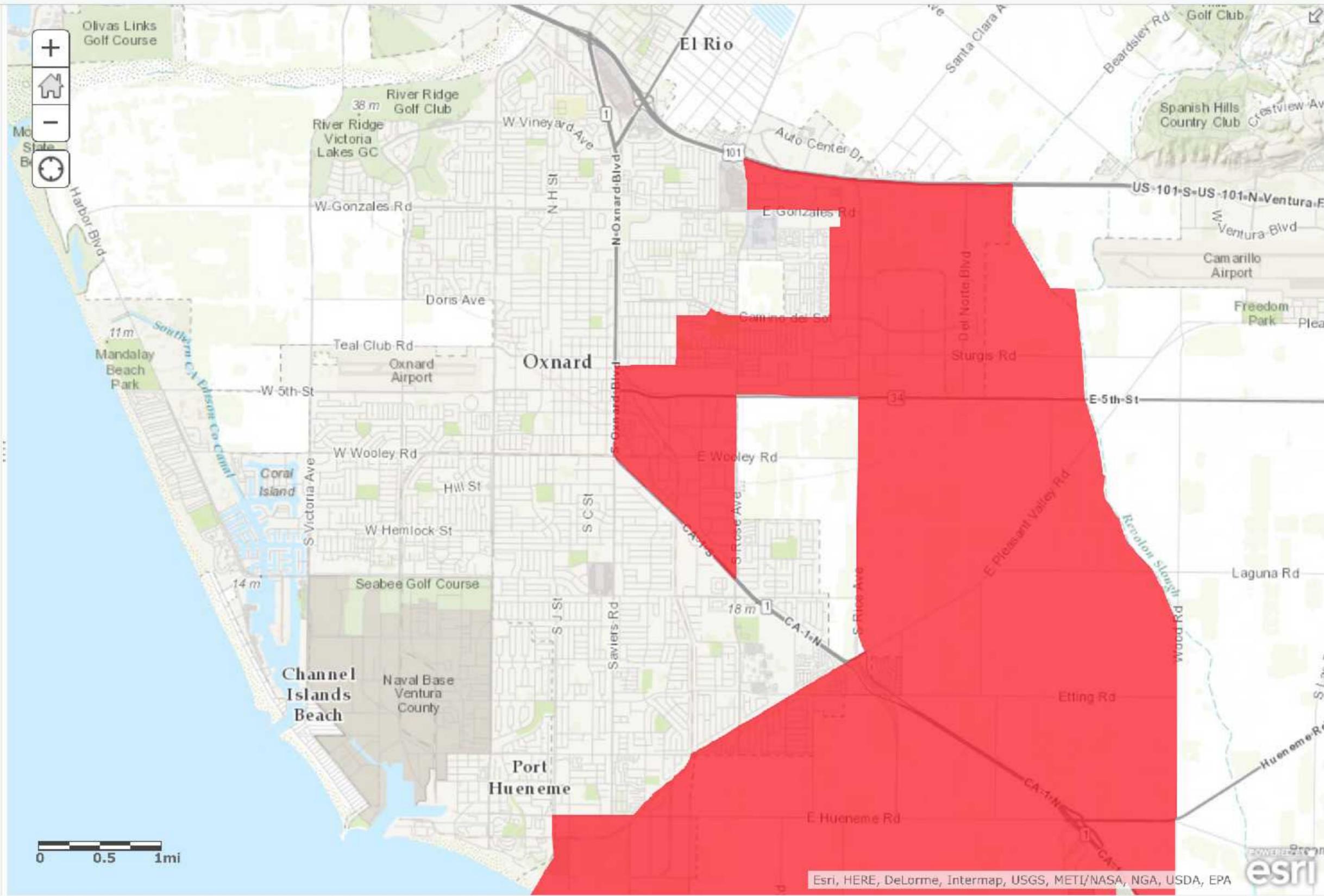
The layer shows the California census tracts with CalEnviroScreen 2.0 Scores within the top 80th percentile.

Feature Layer (Hosted) by Ferrar@FracTracker.org

Last Modified: June 13, 2014

★★★★★ (0 ratings, 0 comments, 1,807 views)

[More Details...](#)



ATTACHMENT 2

ArcGIS - CalEnviroScreen 2.0 Most Vulnerable Census Tracts

MODIFY MAP [Sign In](#)

[Details](#) [Basemap](#)

[Print](#) [Measure](#)

[About](#) [Content](#) [Legend](#)

CalEnviroScreen 2.0 Most Vulnerable Census Tracts

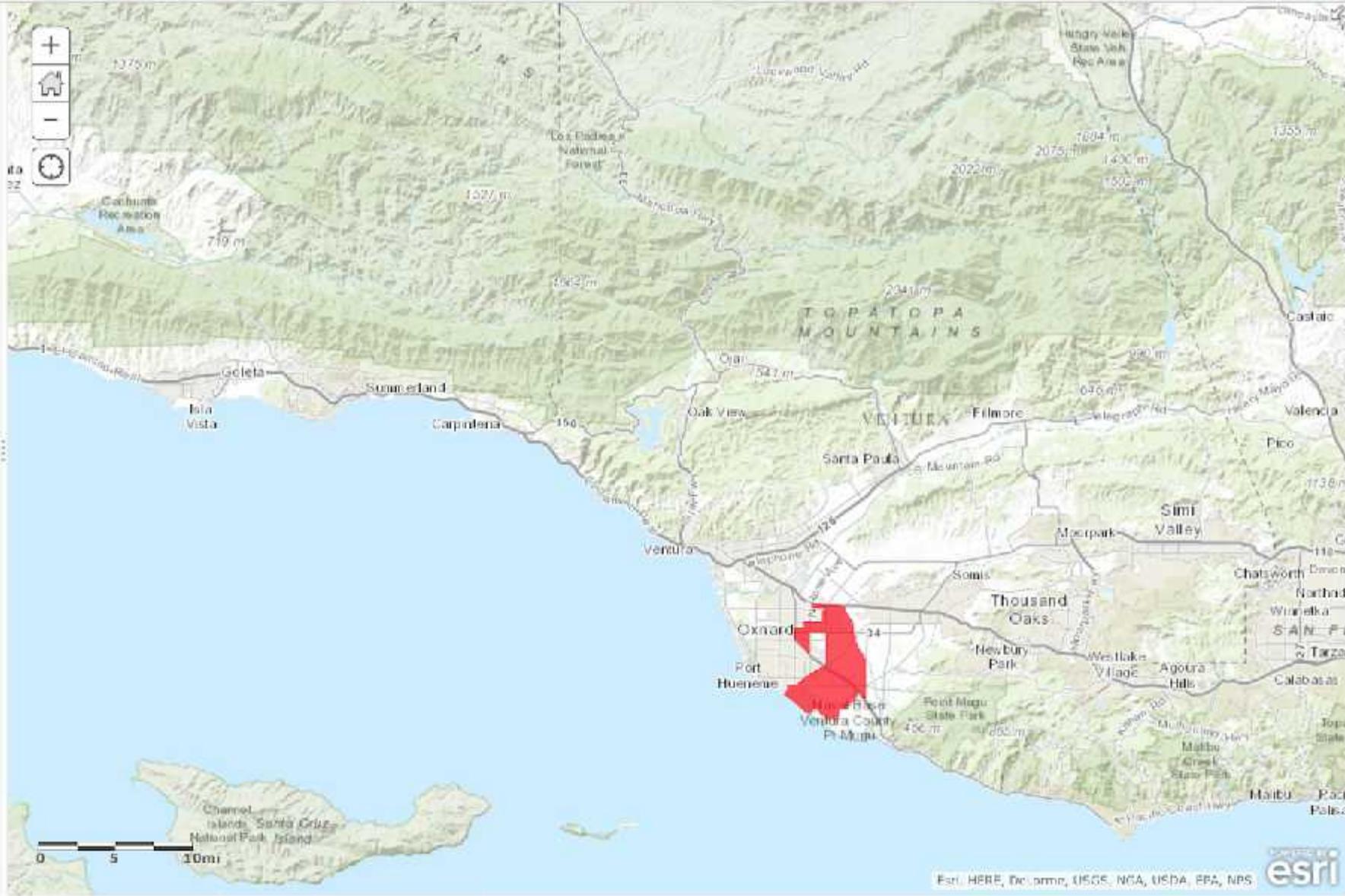
The layer shows the California census tracts with CalEnviroScreen 2.0 Scores within the top 80th percentile.

Feature Layer (Hosted) by Ferrar@FracTracker.org

Last Modified: June 13, 2014

★★★★★ (0 ratings, 0 comments, 1,807 views)

[More Details...](#)



ATTACHMENT 3

A interactive map from OEHHA.



CalEnviroScreen 2.0

CalEnviroScreen 2.0 scores

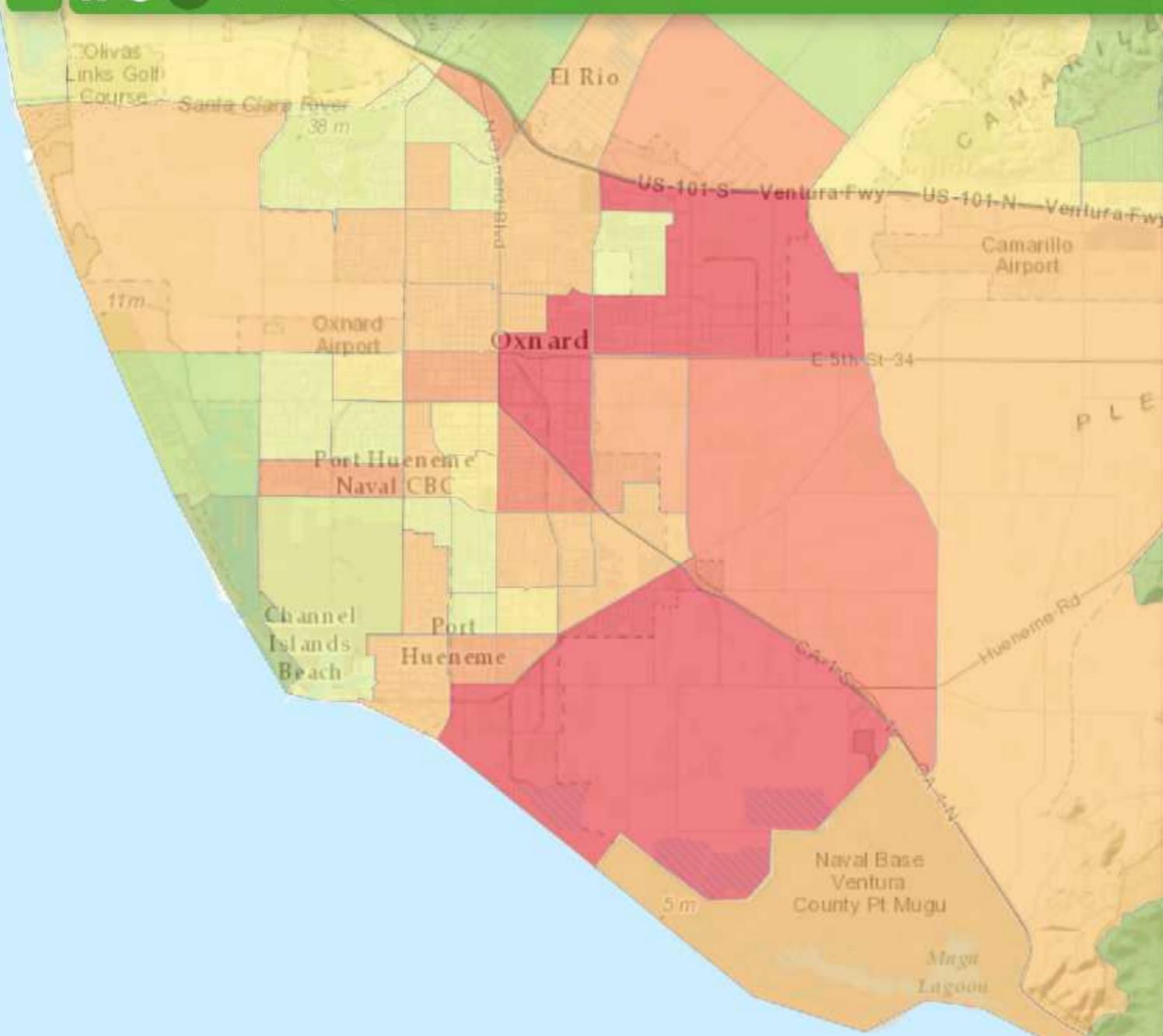
This map shows the CalEnviroScreen 2.0 score for each census tract in California. The scores are calculated by combining the scores for 19 individual indicators that make up CalEnviroScreen. These indicators relate to pollution exposures, environmental conditions, and population characteristics.

The indicators and methodology for combining the scores are described in detail in the [CalEnviroScreen report](#). Results are also available as an Excel spreadsheet, Google Earth file, and ArcGIS geodatabase.

To explore the map, zoom to or type a location into the search bar. Clicking on a census tract shows a popup window with the individual results for each of the 19 indicators that make up its CalEnviroScreen score.

Map tools available here include finding your current location, viewing the legend, changing base maps, viewing a regional overview map, getting details, sharing the map with someone else, and printing the mapped area.

CalEnviroScreen 2.0 results



Legend

CalEnviroScreen 2.0 results

- Highest Scores (91 - 100%)
- 81 - 90%
- 71 - 80%
- 61 - 70%
- 51 - 60%
- 41 - 50%
- 31 - 40%
- 21 - 30%
- 11 - 20%
- Lowest Scores (Bottom 10%)

High pollution, low population



ATTACHMENT 4

CES20UpdateOct2014-6.xlsx												
New Open Save Print Import Copy Paste Format Undo Redo AutoSum Sort A-Z Sort Z-A Gallery Toolbox Zoom Help												
Sheets						Charts		SmartArt Graphics		WordArt		
	A	B	C	D	E	F	G	H	J	K	L	M
1	Census Tract	Total Population	California County	ZIP	City	Click for interactive map	CES 2.0 Score	CES 2.0 Percentile Range	Education	Linguistic Isolation	Poverty	Unemployment
279	6111004902	5091	Ventura	93030	Oxnard	Click for map	56.09	96-100% (highest scores)	65.9	28.1	64.6471	7.73
641	6111009100	5279	Ventura	93030	Oxnard	Click for map	49.84	91-95%	64.2	31.1	70.23391	15.97
651	6111004715	5020	Ventura	93033	Oxnard	Click for map	49.71	91-95%	39.5	17.7	44.53718	11.6
1204	6111004704	1469	Ventura	93033	Oxnard	Click for map	43.47	81-85%	54	31.3	32.99527	13.92
1472	6111003900	7533	Ventura	93033	Oxnard	Click for map	40.92	81-85%	50.3	40.3	63.95734	12.68
1733	6111004503	4387	Ventura	93033	Oxnard	Click for map	38.77	76-80%	45.8	20.6	56.15664	14.84
2150	6111004506	7858	Ventura	93033	Oxnard	Click for map	35.55	71-75%	64.2	41	68.3908	9.18
2156	6111005002	3003	Ventura	93036	Oxnard	Click for map	35.50	71-75%	46.2	30.9	57.05861	5.45
2167	6111003012	321	Ventura	93036	Oxnard	Click for map	35.41	71-75%	44.6	NA	57.69231	NA
2352	6111008600	7982	Ventura	93030	Oxnard	Click for map	34.08	71-75%	46.5	27	55.86777	12.11
2361	6111004716	4476	Ventura	93033	Oxnard	Click for map	34.00	71-75%	32.5	22.3	49.38239	11.7
2408	6111004000	6586	Ventura	93033	Oxnard	Click for map	33.62	66-70%	42.4	24.2	54.38241	14.93
2432	6111008700	6424	Ventura	93030	Oxnard	Click for map	33.50	66-70%	37.5	21.1	55.67925	14.37
2538	6111003011	5397	Ventura	93036	Oxnard	Click for map	32.72	66-70%	35.4	19.7	44.51601	12.58
2540	6111003700	6679	Ventura	93033	Oxnard	Click for map	32.70	66-70%	41.8	17.3	50.18257	15.09
2609	6111003201	4577	Ventura	93030	Oxnard	Click for map	32.31	66-70%	72.8	51.5	75.84138	13.06
2639	6111002905	5478	Ventura	93030	Oxnard	Click for map	32.17	66-70%	20.5	5.2	21.01499	6.27
2832	6111004717	4120	Ventura	93033	Oxnard	Click for map	30.64	61-65%	56.3	30.4	41.62841	11.01
2868	6111003100	14589	Ventura	93030	Oxnard	Click for map	30.42	61-65%	34.6	13.6	30.12462	8.39
2960	6111005003	8366	Ventura	93036	Oxnard	Click for map	29.84	61-65%	51.5	19.3	37.91757	9.83
2968	6111004711	3432	Ventura	93033	Oxnard	Click for map	29.79	61-65%	29.9	18.5	45.5036	8.42
2983	6111003300	8187	Ventura	93030	Oxnard	Click for map	29.69	61-65%	25	13	33.47787	8.26

ATTACHMENT 5

Navigation icons: Home, Car, Transit, Walking, Bicycling, Flying, Close.

Search:

Destination:

Location:

Mode: **11 min**
9 min without traffic - [Show traffic](#) 4.2 miles

Details

Mode: **12 min**

Mode: **18 min**

Mandalay
Generating StationMandalay
Country Club**11 min**
4.2 miles**18 min**© 2014
Google

ATTACHMENT 6

A interactive map from OEHHA.



CalEnviroScreen 2.0

CalEnviroScreen 2.0 scores

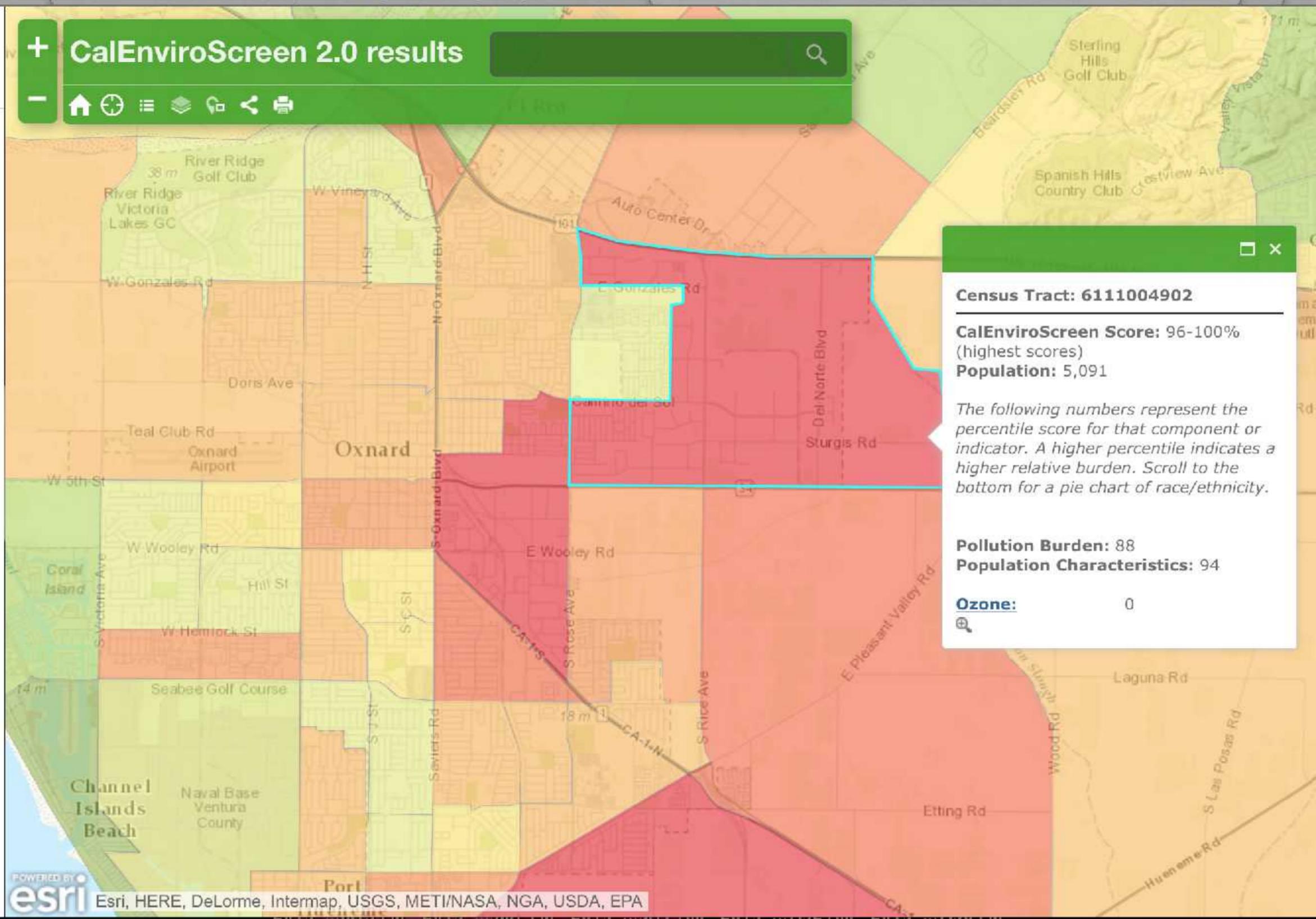
This map shows the CalEnviroScreen 2.0 score for each census tract in California. The scores are calculated by combining the scores for 19 individual indicators that make up CalEnviroScreen. These indicators relate to pollution exposures, environmental conditions, and population characteristics.

The indicators and methodology for combining the scores are described in detail in the [CalEnviroScreen report](#). Results are also available as an Excel spreadsheet, Google Earth file, and ArcGIS geodatabase.

To explore the map, zoom to or type a location into the search bar. Clicking on a census tract shows a popup window with the individual results for each of the 19 indicators that make up its CalEnviroScreen score.

Map tools available here include finding your current location, viewing the legend, changing base maps, viewing a regional overview map, getting details, sharing the map with someone else, and printing the mapped area.

CalEnviroScreen 2.0 results



Census Tract: 6111004902

CalEnviroScreen Score: 96-100% (highest scores)
Population: 5,091

The following numbers represent the percentile score for that component or indicator. A higher percentile indicates a higher relative burden. Scroll to the bottom for a pie chart of race/ethnicity.

Pollution Burden: 88
Population Characteristics: 94

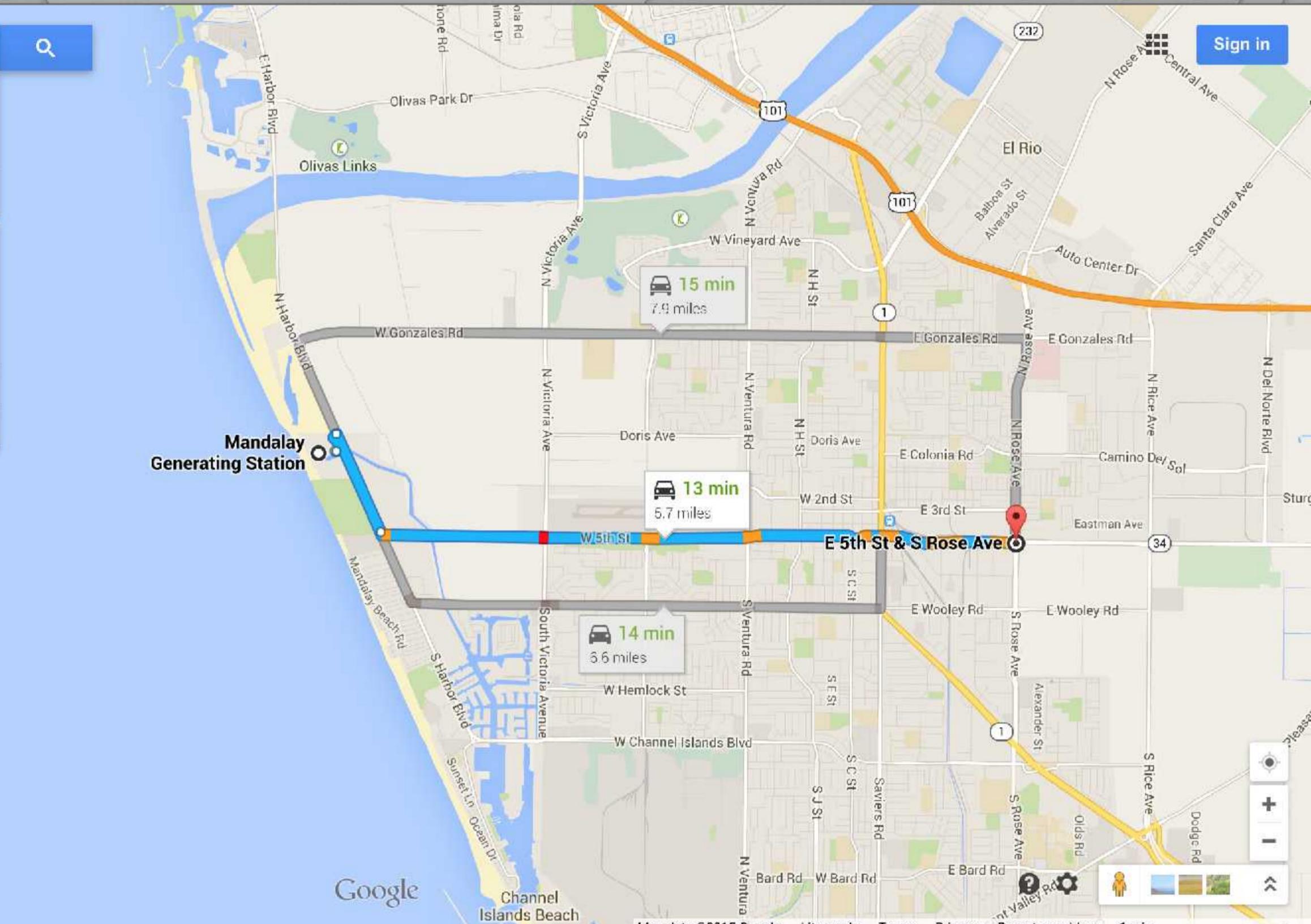
Ozone: 0

ATTACHMENT 7

Mandalay Generating Station, Oxnard, CA 93036
 E 5th St & S Rose Ave, Oxnard, CA 93030

Leave now

via W 5th St	13 min
12 min without traffic · Show traffic	5.7 miles
Details	
via W Wooley Rd	14 min
via W Gonzales Rd	15 min



ATTACHMENT 8

CalEnviroScreen 2.0 results

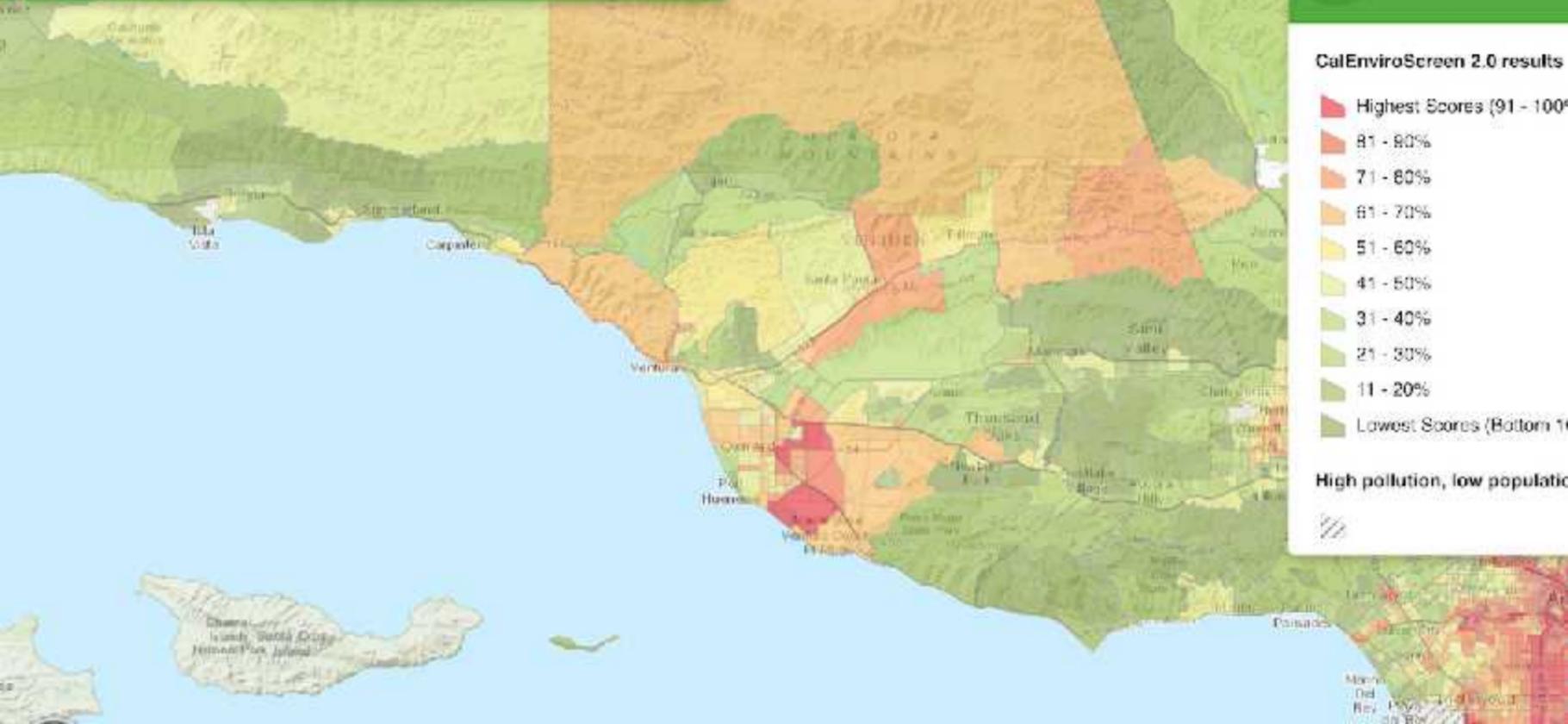
Home Refresh Layers Settings Print Share

Legend

CalEnviroScreen 2.0 results

- Highest Scores (91 - 100%)
- 81 - 90%
- 71 - 80%
- 61 - 70%
- 51 - 60%
- 41 - 50%
- 31 - 40%
- 21 - 30%
- 11 - 20%
- Lowest Scores (Bottom 10%)

High pollution, low population



ATTACHMENT 9

A interactive map from OEHHA.



CalEnviroScreen 2.0

CalEnviroScreen 2.0 scores

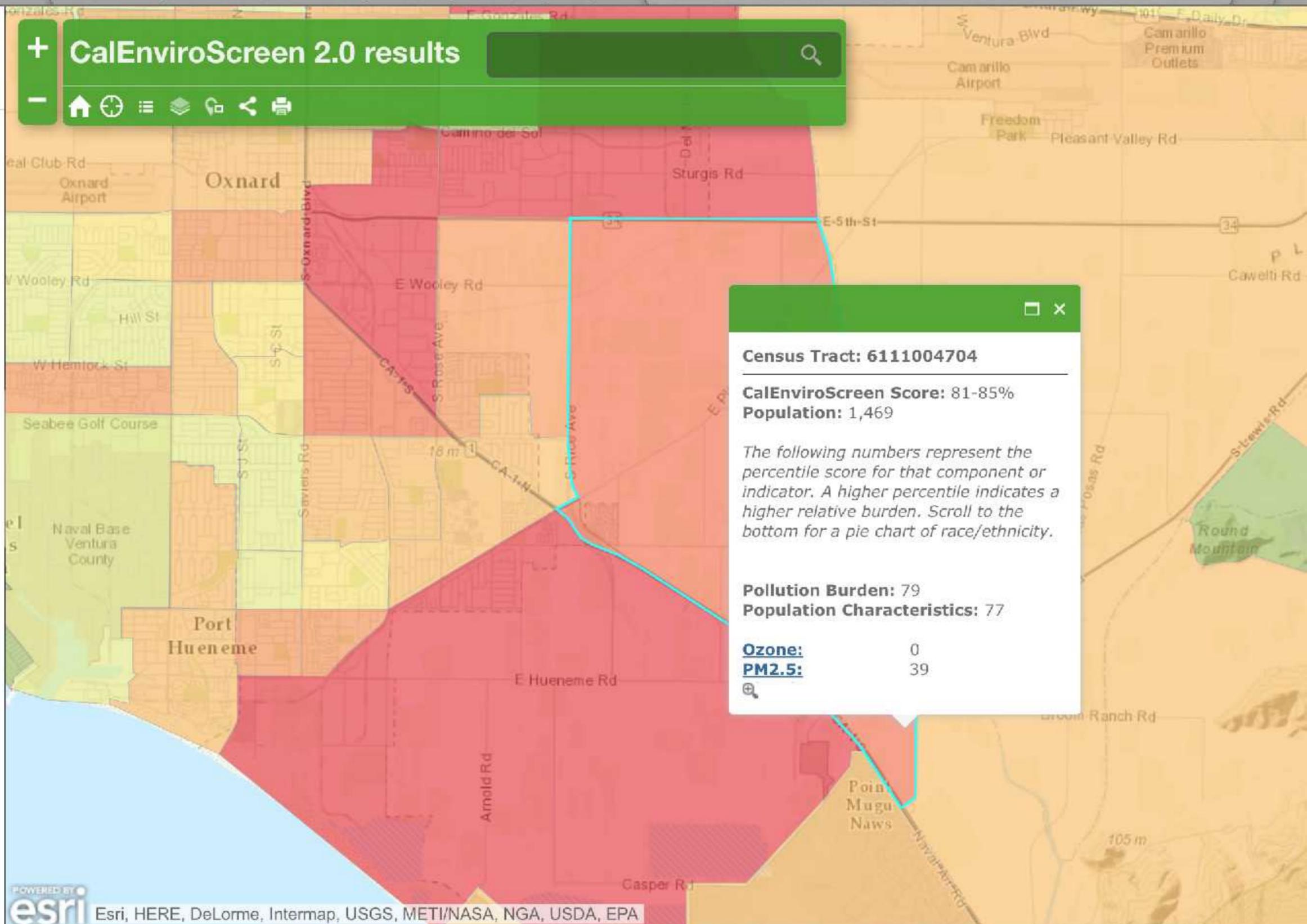
This map shows the CalEnviroScreen 2.0 score for each census tract in California. The scores are calculated by combining the scores for 19 individual indicators that make up CalEnviroScreen. These indicators relate to pollution exposures, environmental conditions, and population characteristics.

The indicators and methodology for combining the scores are described in detail in the [CalEnviroScreen report](#). Results are also available as an Excel spreadsheet, Google Earth file, and ArcGIS geodatabase.

To explore the map, zoom to or type a location into the search bar. Clicking on a census tract shows a popup window with the individual results for each of the 19 indicators that make up its CalEnviroScreen score.

Map tools available here include finding your current location, viewing the legend, changing base maps, viewing a regional overview map, getting details, sharing the map with someone else, and printing the mapped area.

CalEnviroScreen 2.0 results



Census Tract: 6111004704

CalEnviroScreen Score: 81-85%
Population: 1,469

The following numbers represent the percentile score for that component or indicator. A higher percentile indicates a higher relative burden. Scroll to the bottom for a pie chart of race/ethnicity.

Pollution Burden: 79
Population Characteristics: 77

Ozone: 0
PM2.5: 39

ATTACHMENT 10

E 5th St & S Rice Ave., Oxnard, CA
 Mandalay Generating Station, Oxnard, CA 93025
 Leave now

via E 5th St 14 min
 13 min without traffic [Show traffic](#) 6.7 miles

[Details](#)

via E Washby Rd 15 min
 1 h 12 min

Mandalay Generating Station

1 h 11 min
every 60 min14 min
6.7 miles15 min
6.8 miles

ATTACHMENT 11

A interactive map from OEHHA.

CalEnviroScreen 2.0

CalEnviroScreen 2.0 scores

This map shows the CalEnviroScreen 2.0 score for each census tract in California. The scores are calculated by combining the scores for 19 individual indicators that make up CalEnviroScreen. These indicators relate to pollution exposures, environmental conditions, and population characteristics.

The indicators and methodology for combining the scores are described in detail in the [CalEnviroScreen report](#). Results are also available as an Excel spreadsheet, Google Earth file, and ArcGIS geodatabase.

To explore the map, zoom to or type a location into the search bar. Clicking on a census tract shows a popup window with the individual results for each of the 19 indicators that make up its CalEnviroScreen score.

Map tools available here include finding your current location, viewing the legend, changing base maps, viewing a regional overview map, getting details, sharing the map with someone else, and printing the mapped area.

CalEnviroScreen 2.0 results

Basemap gallery

Legend

CalEnviroScreen 2.0 results

- Highest Scores (91 - 100%)
- 81 - 90%
- 71 - 80%
- 61 - 70%
- 51 - 60%
- 41 - 50%
- 31 - 40%
- 21 - 30%
- 11 - 20%
- Lowest Scores (Bottom 10%)

Census Tract: 6111004503

CalEnviroScreen Score: 76-80%
Population: 4,387

The following numbers represent the percentile score for that component or indicator. A higher percentile indicates a higher relative burden. Scroll to the bottom for a pie chart of race/ethnicity.

Pollution Burden: 57
Population Characteristics: 86

Ozone:	0
PM2.5:	38
Diesel:	50
PM10:	27

ATTACHMENT 12

Saviers Rd & W Pleasant Valley Rd, Concord, CA
 Manday Generating Station, Danvers, CA 90036

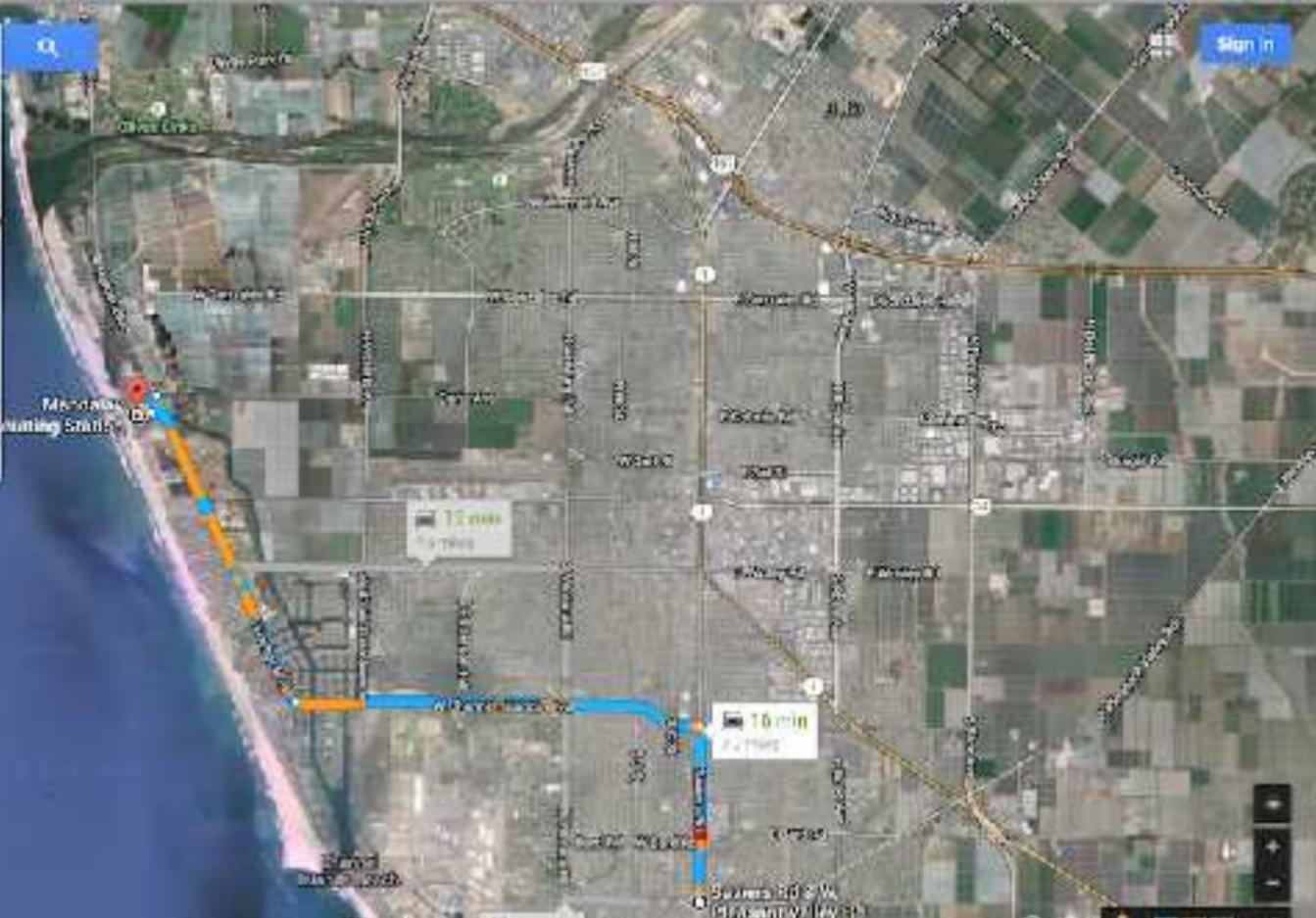
Leave now

via Saviers Rd, W Channel Islands Blvd and S Harbor Blvd **16 min**
 18 mi without traffic [Show traffic](#) 2.0 miles

[Details](#)

via W Channel Islands Blvd and S Harbor Blvd **18 min**

via W Channel Islands Blvd and S Harbor Blvd **18 min**



Sign in

ATTACHMENT 13

A interactive map from OEHHA.



CalEnviroScreen 2.0

CalEnviroScreen 2.0 scores

This map shows the CalEnviroScreen 2.0 score for each census tract in California. The scores are calculated by combining the scores for 19 individual indicators that make up CalEnviroScreen. These indicators relate to pollution exposures, environmental conditions, and population characteristics.

The indicators and methodology for combining the scores are described in detail in the [CalEnviroScreen report](#). Results are also available as an Excel spreadsheet, Google Earth file, and ArcGIS geodatabase.

To explore the map, zoom to or type a location into the search bar. Clicking on a census tract shows a popup window with the individual results for each of the 19 indicators that make up its CalEnviroScreen score.

Map tools available here include finding your current location, viewing the legend, changing base maps, viewing a regional overview map, getting details, sharing the map with someone else, and printing the mapped area.

CalEnviroScreen 2.0 results

Map navigation controls: Home, Full Screen, Layers, Settings, Share, Print, Refresh.

Legend

CalEnviroScreen 2.0 results

- Highest Scores (91 - 100%)
- 81 - 90%
- 71 - 80%
- 61 - 70%
- 51 - 60%
- 41 - 50%
- 31 - 40%
- 21 - 30%
- 11 - 20%
- Lowest Scores (Bottom 10%)

High pollution, low population

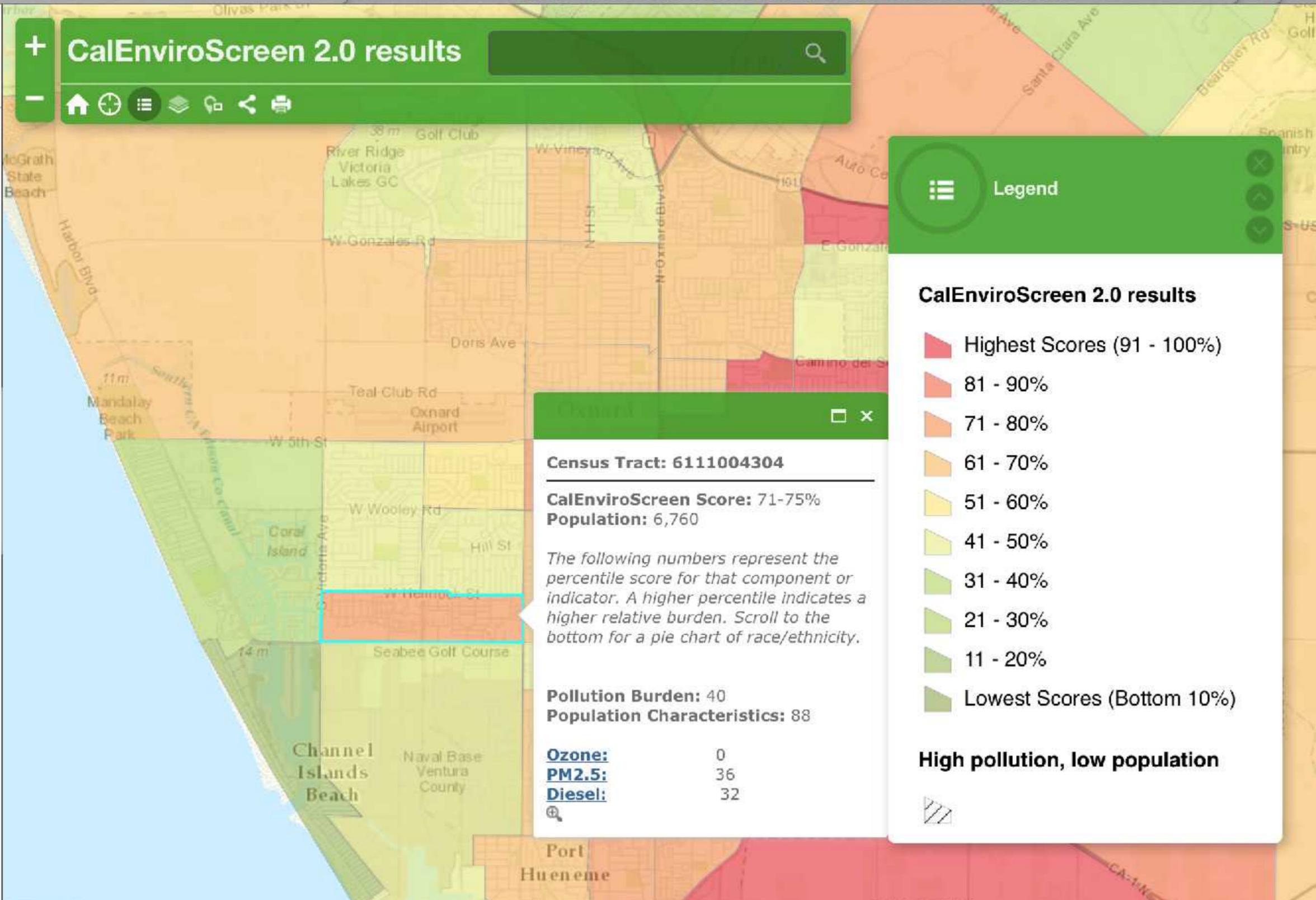
Census Tract: 6111004304

CalEnviroScreen Score: 71-75%
Population: 6,760

The following numbers represent the percentile score for that component or indicator. A higher percentile indicates a higher relative burden. Scroll to the bottom for a pie chart of race/ethnicity.

Pollution Burden: 40
Population Characteristics: 88

Ozone:	0
PM2.5:	36
Diesel:	32



ATTACHMENT 14

Victoria Ave & W Hemlock St
 Mandalay Generating Station, Oxnard, CA 93036

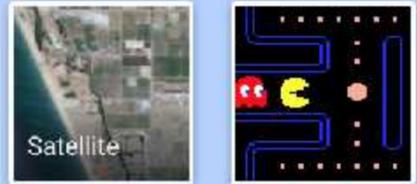
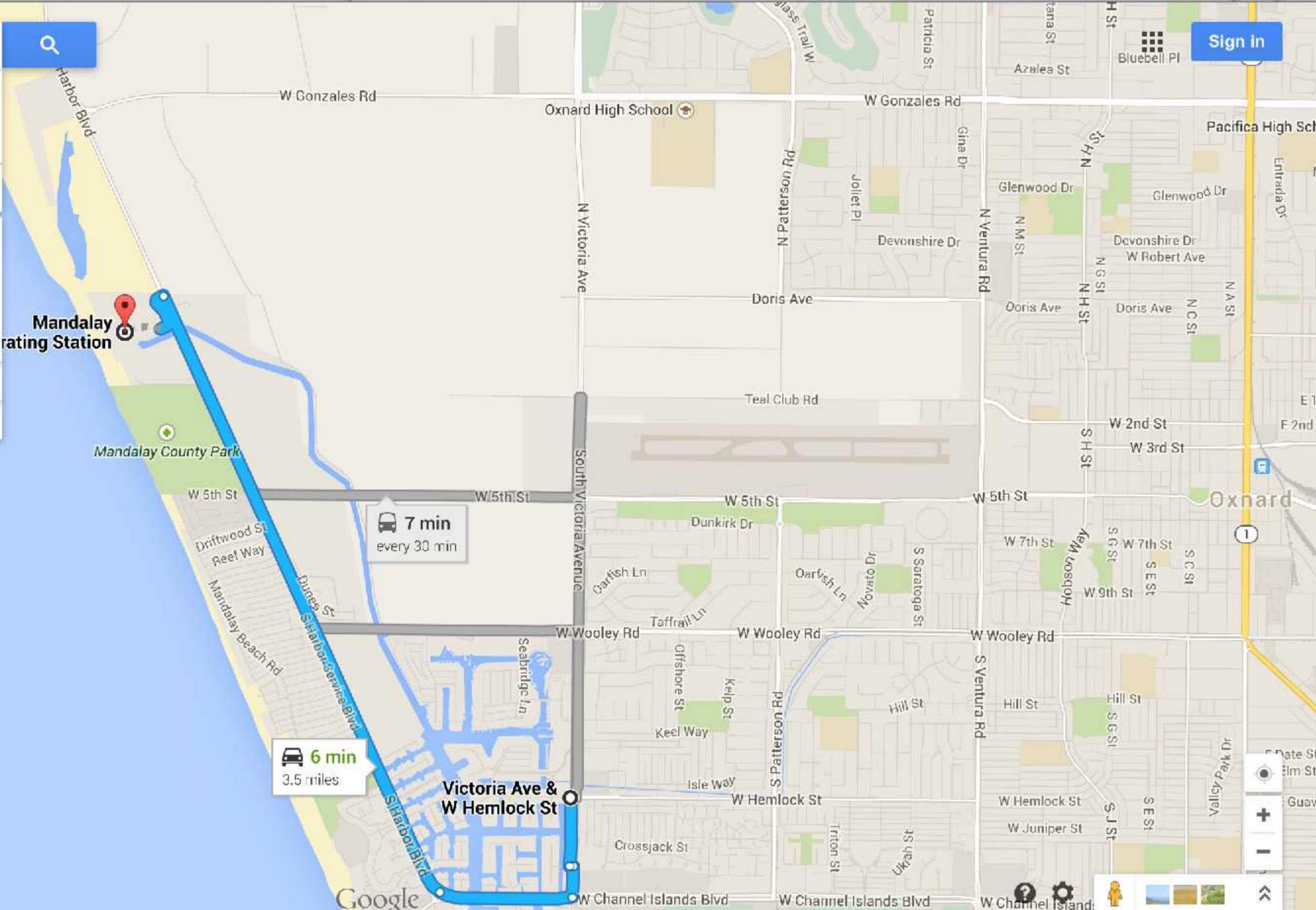
Leave now

via S Harbor Blvd 6 min
 6 min without traffic · [Show traffic](#) 3.5 miles

[Details](#)

via W Wooley Rd and S Harbor Blvd 7 min

21 8 min



ATTACHMENT 15

Summary of Data From CalEnvironScreen 2.0 for All Census Tracts in Oxnard
Ranking in the Top 70th Percentile.

Census Tract	Pop.	City	CES 2.0 Pctl. Range	Latino %	White %	Afr. Am. %	Nat. Am. %	As. Am. %	Other	Edu. %	Ling. Isol. %	Poverty %
6111004902	5091	Oxnard	96-100	95.8	1.5	1.2	0.1	0.9	0.5	65.9	28.1	64.64
6111009100	5279	Oxnard	91-95	93	3.6	2.1	0.1	0.8	0.4	64.2	31.1	70.23
6111004715	5020	Oxnard	91-95	73.6	12.4	3	0.2	8.9	1.9	39.5	17.7	44.53
6111004704	1469	Oxnard	81-85	82.3	13.7	1.2	0.1	1.3	1.5	54	31.3	32.99
6111003900	7533	Oxnard	81-85	88.8	5.5	0.8	0.3	4	0.7	50.3	40.3	63.95
6111004503	4387	Oxnard	76-80	79.1	5.6	2	0.1	11.7	1.4	45.8	20.6	56.15
6111004506	7858	Oxnard	71-75	88.6	4.1	1.1	0.2	5.2	0.9	64.2	41	68.39
6111005002	3003	Oxnard	71-75	89.9	8.7	0.2	0.3	0.5	0.4	46.2	30.9	57.05
6111003012	321	Oxnard	71-75	84.7	13.1	0	0.3	1.8	0	44.6	NA	57.69
6111008600	7982	Oxnard	71-75	82	9.9	2.9	0.3	3.8	1.1	46.5	27	55.86
6111004716	4476	Oxnard	71-75	80	6.6	1	0	11.3	1	32.5	22.3	49.38
Total or Avg.	52,419			85.2	6.6%	1.4		5.6		50.33	29.03	56.44

ATTACHMENT 16



Advanced Search - Search all data in American FactFinder

S2405 INDUSTRY BY OCCUPATION FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER 2013 American Community Survey 1-Year Estimates

Table View

ADVANCED SEARCH

Actions: Add/Remove Geographies Bookmark/Save Print Download Create a Map

View Geography Notes View Table Notes

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities and towns and estimates of housing units for states and counties.

Versions of this table are available for the following years:

- 2013
- 2012
- 2011
- 2010
- 2009
- 2008
- 2007
- 2006
- 2005

Subject	Oxnard city, California											
	Total		Management, business, science, and arts occupations		Service occupations		Sales and office occupations		Natural resources, construction, and maintenance occupations		Production, transportation, and material moving occupations	
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
Civilian employed population 16 years and over	96,771	+/-4,018	19.8%	+/-2.4	17.8%	+/-2.5	21.4%	+/-2.5	24.2%	+/-3.6	16.7%	+/-2.3
Agriculture, forestry, fishing and hunting, and mining	15,079	+/-3,192	1.9%	+/-1.5	0.0%	+/-1.1	0.5%	+/-0.6	93.7%	+/-3.2	3.9%	+/-2.6
Construction	5,429	+/-1,396	7.6%	+/-5.5	1.2%	+/-2.0	6.1%	+/-5.0	82.2%	+/-7.8	2.9%	+/-2.4
Manufacturing	10,355	+/-1,783	13.5%	+/-4.8	0.6%	+/-1.0	11.2%	+/-5.5	5.4%	+/-3.8	69.2%	+/-8.0
Wholesale trade	5,051	+/-1,335	5.1%	+/-3.5	4.5%	+/-4.0	35.5%	+/-12.2	15.0%	+/-8.2	39.8%	+/-12.7
Retail trade	10,611	+/-1,840	7.9%	+/-4.5	2.5%	+/-1.9	73.7%	+/-7.3	7.1%	+/-5.5	8.8%	+/-4.2
Transportation and warehousing, and utilities	2,927	+/-846	11.3%	+/-9.6	0.0%	+/-5.6	27.0%	+/-12.5	6.2%	+/-6.0	55.6%	+/-14.7
Information	944	+/-474	55.2%	+/-26.7	0.0%	+/-16.4	15.7%	+/-17.4	24.2%	+/-25.1	5.0%	+/-8.3
Finance and insurance, and real estate and rental and leasing	5,754	+/-1,493	37.4%	+/-13.8	11.6%	+/-8.4	49.0%	+/-14.1	2.1%	+/-3.2	0.0%	+/-2.9
Professional, scientific, and management, and administrative and waste management services	6,756	+/-1,525	27.7%	+/-8.4	28.9%	+/-9.8	24.6%	+/-8.9	2.5%	+/-2.2	16.2%	+/-8.3
Educational services, and health care and social assistance	15,206	+/-1,734	51.4%	+/-6.4	34.1%	+/-5.6	9.7%	+/-3.7	1.7%	+/-1.8	3.1%	+/-1.8
Arts, entertainment, and recreation, and accommodation and food services	8,448	+/-1,809	12.0%	+/-6.7	61.6%	+/-9.8	11.2%	+/-5.4	2.2%	+/-3.6	12.9%	+/-7.6
Other services, except public administration	5,289	+/-1,061	6.6%	+/-5.0	45.3%	+/-13.3	9.9%	+/-6.9	20.9%	+/-9.6	17.3%	+/-8.5
Public administration	4,922	+/-1,068	39.2%	+/-9.7	23.9%	+/-10.0	24.5%	+/-10.2	10.6%	+/-7.1	1.8%	+/-2.9
PERCENT IMPUTED												
Industry	8.9%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)

ATTACHMENT 17

ATTACHMENT 18

ATTACHMENT 19

ATTACHMENT 20

OnTheMap

LEHD Home Help and Documentation Reload Text-Only

Base Map Selection Results Save Load Feedback Previous Extent Hide Tabs Hide Chart/Report

Work Area Profile Analysis

enter your own subtitle

Display Settings

Characteristic Filter **NAICS Industry Sector: Agriculture, Forestry, Fishing and Hunting**

Year **2011**

Map Controls

Color Key

Thermal Overlay

Point Overlay

Selection Outline

Identify Zoom to Selection

Clear Overlays Animate Overlays

Report/Map Outputs

Detailed Report

Export Geography

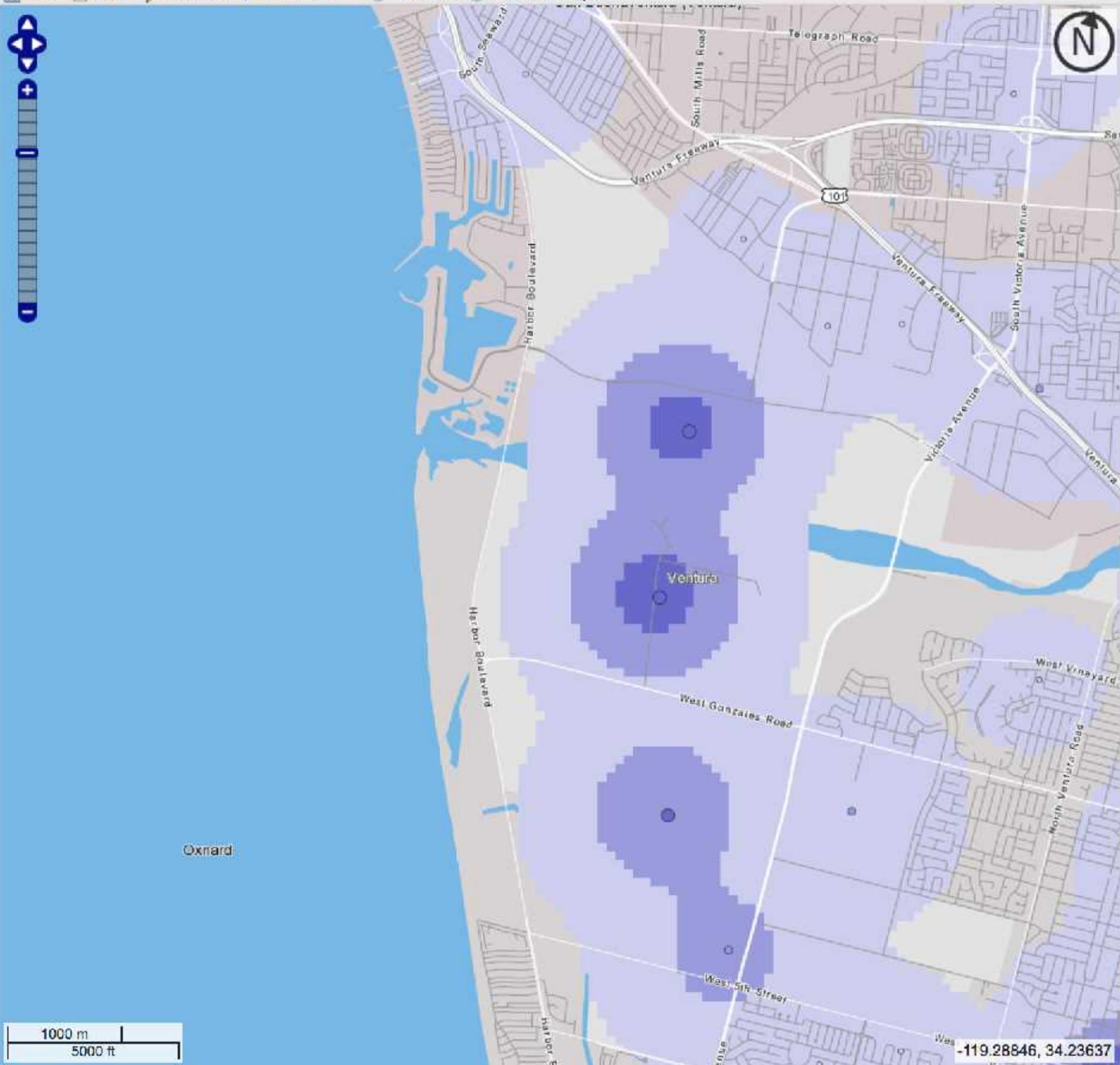
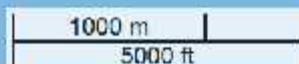
Print Chart/Map

Legends

- 5 - 281 Jobs/Sq.Mile
- 282 - 1,110 Jobs/Sq.Mile
- 1,111 - 2,493 Jobs/Sq.Mile
- 2,494 - 4,428 Jobs/Sq.Mile
- 4,429 - 6,917 Jobs/Sq.Mile
- 1 - 4 Jobs
- 5 - 58 Jobs
- 59 - 290 Jobs
- 291 - 914 Jobs
- 915 - 2,231 Jobs
- Analysis Selection**

Analysis Settings

[Change Settings](#)



-119.28846, 34.23637

ATTACHMENT 21

	A	B	C	D	E	F	G	H	I	J	K	L
1	Census Tract	CES 2.0 Score	CES 2.0 Percentile Range	Total Population	California County	Race or ethnicity from 2010 Census (%)						
2						Hispanic (%)	White (%)	African American (%)	Native American (%)	Asian American (%)	Other (%)	
3	6111003012	35.41	71-75%	321	Ventura	84.7	13.1	0	0.3	1.8	0	
4	6111003900	40.92	81-85%	7533	Ventura	88.8	5.5	0.8	0.3	4	0.7	
5	6111004503	38.76	76-80%	4387	Ventura	79.1	5.6	2	0.1	11.7	1.4	
6	6111004506	35.55	71-75%	7858	Ventura	88.6	4.1	1.1	0.2	5.2	0.9	
7	6111004704	43.47	81-85%	1469	Ventura	82.3	13.7	1.2	0.1	1.3	1.5	
8	6111004715	49.71	91-95%	5020	Ventura	73.6	12.4	3	0.2	8.9	1.9	
9	6111004716	34.00	71-75%	4476	Ventura	80	6.6	1	0	11.3	1	
10	6111004902	56.09	96-100% (highest scores)	5091	Ventura	95.8	1.5	1.2	0.1	0.9	0.5	
11	6111005002	35.50	71-75%	3003	Ventura	89.9	8.7	0.2	0.3	0.5	0.4	
12	6111008600	34.08	71-75%	7982	Ventura	82	9.9	2.9	0.3	3.8	1.1	
13	6111009100	49.84	91-95%	5279	Ventura	93	3.6	2.1	0.1	0.8	0.4	
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