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South Bay Cities Plug-in Electric Vehicle Deployment Plan



Prepared for
the Southern
California
Association of
Governments

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South Bay Cities Plug-in Electric Vehicle Deployment Plan

About this Document

This document was prepared for the Southern California Association of Governments (SCAG) by J.R. DeShazo, Ayala Ben-Yehuda, Norman Wong and Alex Turek of the UCLA Luskin Center for Innovation. It constitutes the final plug-in electric vehicle deployment plan for the South Bay Cities subregion as Deliverable 26 of SCAG contract 12-021-C1 to support subregional planning for plug-in electric vehicle (PEV) adoption. SCAG is coordinating a multi-stakeholder group of government agencies, utilities, and university researchers to prepare multi-faceted and interdisciplinary subregional PEV readiness plans. Among other purposes, these plans will help illuminate and guide strategic infrastructure investment, PEV-related economic development, and supportive policy design in Southern California.

Disclaimer

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Table of Contents

I.	Introduction	2
II.	PEV demand in the South Bay Cities Subregion.....	5
III.	Supply of PEV charging spaces: a land use/parking inventory	7
	Steps and assumptions in the land use/parking inventory.....	8
	Subregional and municipal PEV planning with the land use inventory	9
	Parking opportunities in the South Bay Cities	10
	Conclusions	13
IV.	Workplace charging	14
	Assessing the workplace charging opportunity	14
	Conclusions	17
V.	MUD Charging.....	17
	Panel size.....	18
	Energy efficiency.....	19
	Parking configuration.....	19
	Conclusions	21
VI.	Retail charging	21
	Evaluative criteria for the selection of retail charging sites	24
	Sites and areas with high potential demand for charging	25
	Typical dwell times.....	27
	Charging in stand-alone parking facilities.....	27
	Conclusions	28
VII.	References	28

South Bay Cities Subregion Plug-in Electric Vehicle Deployment Plan

I. Introduction

The South Bay Cities subregion is a leader in the adoption of plug-in electric vehicles (PEVs) in Southern California. At the end of 2012, the subregion was home to over 1,000 PEVs, a number that is expected to grow to over 87,000 by 2022.¹

The South Bay Cities Council of Governments (SBCOG) has engaged in planning studies and demonstration projects with PEVs and neighborhood electric vehicles (NEVs). This document supports those efforts with a detailed spatial analysis of the potential supply of, and current demand for, PEV charging opportunities in the South Bay.

The South Bay Cities PEV deployment plan is a subregional complement to the Southern California Regional PEV Readiness Plan and Atlas (DeShazo et al. 2012). These regional planning documents introduce examples of spatial analysis of PEV charging supply and demand. They present guidelines for prioritizing PEV planning efforts according to local land use opportunities as well as maps of PEV registrations and travel patterns at the subregional level.

The South Bay Cities PEV deployment plan further localizes these spatial analyses by providing:

- Inventories of land uses at the subregional and municipal level to help prioritize PEV planning efforts at three types of locations: multi-unit dwellings (MUDs), workplaces, and commercial/retail centers;
- An evaluation of the suitability of hundreds of individual parcels to host PEV charging using criteria that represent supply of parking spaces, the relative cost of installing chargers, and parcel-level demand for charging; and
- Maps of PEV registrations and travel patterns to daytime destinations within 15 South Bay cities.

This deployment plan will also serve as a model for PEV planning in other mature suburban areas in Southern California. Subregional planning organizations, also known as councils of government (COGs), have an important role to play in PEV planning. They can provide technical assistance to local governments and even implement PEV plans in the absence of dedicated staff at the local level. They

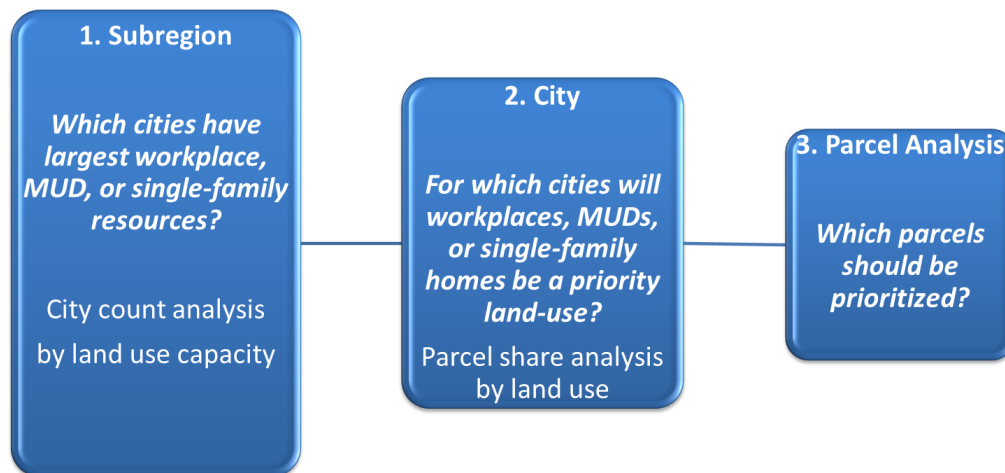
¹ UCLA Luskin Center forecast based on 2012 PEV registrations derived from R.L. Polk & Co. dataset. We define a PEV as any fully electric vehicle (including low-speed neighborhood electric vehicles and electrified trucks) or a plug-in hybrid electric vehicle (PHEV). The PHEV models counted in this analysis are the Chevrolet Volt, Toyota Plug-in Prius, Ford C-Max Energi and Fisker Karma.

can maximize the benefit of PEV planning to local drivers by leading efforts to standardize, share knowledge, and extend PEV planning to groups of neighboring cities. The South Bay Cities PEV deployment plan will demonstrate how COGs can prioritize PEV planning efforts according to dominant land uses and target cities that provide the largest numbers of charging opportunities in those land uses.

Municipal planners can also use the land use inventories and parcel suitability analyses presented here to prioritize PEV planning efforts at the local level. Municipal planners have the ability to target locally-dominant land uses for PEV-ready reforms to building and zoning codes, permitting processes, and parking and signage standards. They can also use the criteria presented here to prioritize specific locations for outreach to employers, property owners and retailers who may wish to provide PEV charging on site. Utilities can also benefit from an understanding of where demand for PEV charging is likely to grow during daytime and nighttime hours so that they can manage electricity loads and prioritize investments in transformer and distribution station upgrades.

Figure 1 describes how planners at different levels of government can use the different levels of analysis provided in this plan.

Figure 1. Levels of PEV planning supported by South Bay Cities PEV Deployment Plan



In addition to informing the placement of charging stations, the land use inventories, parcel suitability analyses and maps presented in this plan support the targeting and prioritization of four major planning activities that can have a significant impact on PEV adoption:

- **Zoning codes.** Land use regulations are the most powerful tool cities have to incentivize certain types of development, including placement of charging stations. Designating PEV charging as a land use will help ensure that different charging levels carry the appropriate type of planning review for the zones in which they are located. Developers can also be encouraged to incorporate PEV charging spaces by allowing the spaces to count towards minimum parking requirements or in exchange for other incentives such as density bonuses.

- **Building codes.** By updating building codes to require PEV-ready wiring in new construction, cities can help meet future demand for charging and reduce or eliminate retrofitting costs.
- **Permits and inspections.** Local jurisdictions are key in reducing the cost, time and uncertainty associated with installing PEV charging equipment. Cities should minimize redundant or unnecessary levels of review wherever possible. A streamlined permitting and inspection process can reduce the overall cost of installation and encourage compliance with safe installation procedures.
- **Parking and signage.** Local jurisdictions have leeway in determining signage on surface streets, providing for a certain number of PEV-ready parking spaces, and ensuring disabled access. Parking and signage policies can assist with cost recovery, accessibility to disabled drivers, facilitating turnover at charging stations, and making stations more visible and easy to locate.

The planning exercises described above can be undertaken as part of a continuum, or “ladder,” of PEV deployment plan implementation and stakeholder engagement activities. Planners can begin with more passive efforts that grow into more active projects, as shown in Figure 2 below. Each highlighted implementation effort is followed by a supporting activity or analysis, most of which have been undertaken in this document.

Figure 2. Ladder of PEV planning activities supported by the South Bay Cities PEV Deployment Plan

Informational support

- Website/handouts from Building & Safety, Planning, and/or utility

Prioritize zoning, building, permitting, parking reforms according to dominant land uses

- PEV demand assessment (using maps)*
- Land use inventory*
 - Planning reforms based on absolute numbers of single-family units, MUDs, and employees
 - Or tailor to relative concentrations of PEV parking/charging opportunities

Targeted outreach/workshops for workplaces, MUDs, single-family

- PEV demand assessment*
- Land use inventory*

Demonstration projects

- Parcel suitability analysis of PEV density, employees/sales, number of units and other attributes*

* Provided in this document.

Step 1: Informational support. This serves stakeholders, such as single-family residents and employers, who are already interested in purchasing PEVs or installing charging equipment. Local jurisdictions can provide information on vehicle types, potential cost savings from PEV driving, electrical service, and the charging equipment installation process through passive means such as a website and/or handouts from utilities and the Building & Safety or Community Development Department.

Step 2: Prioritize planning reforms according to dominant land uses. Planners wishing to proactively plan for PEVs should use the maps and land use inventories presented in this document to prioritize dominant land uses for planning reforms. Planners at the COG level can target cities based on absolute numbers of parking opportunities at single-family homes, multi-unit dwellings, and workplaces, or target technical assistance to cities with high shares of parking opportunities at particular land uses. Municipal planners can target land uses that dominate locally for planning reforms as well as neighborhoods that demonstrate high PEV charging demand on the maps provided in the Appendix.

Step 3: Targeted technical assistance, workshops and outreach. Planners may want to approach high-value stakeholders who may be less aware of the technical or procedural aspects of installing charging and using PEVs or who may require more detailed decision support.

Local jurisdictions can host workshops for general or targeted audiences such as drivers, homeowner associations (HOAs), property owners/managers, and renters for residential charging; or for employees, employers, fleet managers, or retailers for non-residential charging.

Many potential hosts may not be interested in installing PEV charging until their employees, tenants or patrons demand it. Actively engaging large employers or property owners in the decision-making process or providing information specific to their needs can facilitate the installation of charging and use of PEVs at their site as the market matures.

Step 4: Demonstration projects. Public agencies and utilities can partner up to install charging equipment via demonstration projects in particularly challenging areas such as multi-unit dwellings.

II. PEV demand in the South Bay Cities Subregion

The South Bay Cities PEV deployment plan is intended to help planners prioritize land uses and locations for PEV readiness policies and charging infrastructure. This involves matching *demand* for PEV charging with the *supply* of available parking spaces. This section presents projected demand for PEV charging in the South Bay Cities subregion as a whole. City-level spatial demand for residential, workplace and retail PEV charging is mapped in the Appendix.

To help planners understand the scale of PEV charging demand in the subregion over the next decade, the Southern California Regional PEV Readiness Plan projected the cumulative number of PEVs that will be registered in the subregion between 2012 and 2022. Table 1 shows the numbers of PEVs registered in the South Bay Cities subregion as of December 2012, followed by growth projections to 2017 and 2022.

The numbers were calculated from disaggregated registration data purchased from R.L. Polk & Co., an automotive data vendor. The 2012 counts reflect vehicles newly registered from December 2010, when the Chevrolet Volt and Nissan LEAF were introduced, through December 2012.

The baseline growth estimate is based on the annual North American growth rate of standard Toyota Prius hybrid sales beginning in 2000. This growth rate is the baseline because standard hybrids, a product type dominated early on by the Toyota Prius, can be considered parallel in many ways to plug-in hybrid electric vehicles (PHEVs). PHEVs, which comprised 69% of the PEVs newly registered in the South Bay Cities subregion as of December 2012 according to data from R.L. Polk & Co., are similar to standard Toyota Prius hybrids, except with a plug-in battery. The ability to recharge from the grid represents the potential for significant fuel cost savings above a standard hybrid.

The baseline growth rate is a conservative estimate because PEVs are available in many more models than were standard hybrids in the first years after introduction. Because many more PEV models will become available in the coming years, we also present alternative scenarios in which this growth rate is exceeded by 5% and 10%.

Table 1. Projected PEVs in the South Bay Cities subregion, 2012-2022

Year	Cumulative PEV registrations		
	Low	Moderate	High
2012	1,020	1,020	1,020
2013	2,040	2,040	2,040
2014*	3,940	4,042	4,080
2015	6,270	6,634	6,901
2016	11,501	12,501	13,349
2017	21,785	24,305	26,621
2018	31,985	36,899	41,747
2019	49,185	58,587	68,371
2020	64,466	79,719	96,451
2021	77,969	100,403	126,299
2022	87,879	118,184	154,981

*The +5 and +10% projections begin in 2014, when uncertainty becomes greater.

Source: R.L. Polk & Co., Luskin Center projections

A closer look at the PEVs in the South Bay Cities reveals that the majority of them are PHEVs, with the 11-electric-mile-range Toyota Plug-in Prius having already outsold the 35/38-electric-mile-range Chevrolet Volt despite the Plug-in Prius having been on the market for only nine months. The trends indicate that slower, low-voltage charging may be a cost-effective solution for homes and workplaces where PHEVs are parked long enough to fully charge using standard outlets instead of dedicated charging units.

Table 2. PEV counts by model and product type in the South Bay Cities subregion, December 2012

Battery-electric vehicles (BEVs)											Plug-in hybrid electric vehicles (PHEVs)					
BMW Active E	Ford Focus Electric	Honda Fit EV	Mitsubishi i-MiEV	Nissan LEAF	smart fortwo	Tesla Model S	Tesla Roadster	Toyota RAV4 EV	NEVs	Total BEVs	Chevrolet Volt	Toyota Plug-in Prius	Fisker Karma	Ford C-Max Energi	Total PHEVs	Total PEVs
17	15	5	3	209	1	40	4	11	14	319	264	426	7	4	701	1,020

Source: R.L. Polk & Co.

Given that PEV consumer studies to date have shown PEV buyers residing almost exclusively in single-family homes, it can be assumed that the current counts largely reflect PEVs charging overnight in this housing type. A potential limiting factor on the actual growth of PEVs is the fact that only about half of the housing stock in the South Bay Cities subregion is comprised of single-family homes (Siembab and Boarnet 2009). Unless steps are taken to facilitate charging in multi-unit dwellings (MUDs), PEV ownership may not grow as expected.

III. Supply of PEV charging spaces: a land use/parking inventory

Plug-in electric vehicles charge while parked. Parking spaces are distributed over local land uses such as single-family residential, multi-unit residential, workplaces, and retail establishments. These parking spaces represent the potential *supply* of PEV parking spaces. Every city will have a different number of parking spaces available at these different land uses. An inventory of parking opportunities at different land uses will help planners target and prioritize PEV readiness efforts, and siting of charging stations, according to locally dominant location types.

Understanding the distribution of land uses within a jurisdiction is also helpful because different land uses are also associated with distinctive parking, electrical, and building configurations which can greatly and systematically affect the cost of installing charging equipment on that parcel. Attributes such as MUD building age and whether it is a condominium or apartment can be used as proxies for estimating potential costs (both financial and institutional) of supply. Parcel attributes that represent potential demand, supply and cost of supply are explained in more detail in Sections 4, 5, and 6. These sections present specific parcels that may be particularly suitable for PEV charging at the subregional level because they combine such attributes. Tables in the Appendix list workplaces, MUDs, and retailers at the city level that may also be well-suited to host PEV charging.

In this section, we present a land use and parking inventory of cities in the South Bay Cities subregion. First, we will present the steps and assumptions used in the preparation of the land use inventory. Then we will present the ways in which subregional and municipal planners can use the information provided in the inventory. Finally, we will present the inventory and offer conclusions about the results.

Steps and assumptions in the land use/parking inventory

First, planners must identify the availability of types of residential, workplace and retail parcels that could host charging infrastructure in their jurisdictions. Second, the number of potential PEV parking spaces at each land use type or parcel must be estimated.

Ideally, planners should estimate the number of parking spaces at each land use type in a jurisdiction based on local zoning and building code history (or, even better, a field survey of parking). However, in the absence of more refined information, we make the following simplified assumptions:

- We assume that the number of on-site parking spaces for both single-family and multi-unit dwellings (MUDs) is equal to the number of residential units on a parcel. That is, we assume the potential for one PEV charging space per dwelling unit. While in reality there may be more than one parking space per dwelling unit, the numbers vary by city. In addition, the likelihood of more than one PEV charging per home is low in the early and middle years of the PEV market.
- We count MUDs in terms of individual units (i.e., apartments or condominiums), not buildings, because each unit represents at least one potential PEV space. For MUDs that do not have parking, workplaces and publicly-accessible sites will become important charging options.
- We also assume that there is a parking space for every employee at a workplace.
- The aggregate land use inventories presented here do not separately consider workplace and retail (customer) spaces, as there is no reliable estimate available for the number of retail customer parking spaces in each city. Specific retail parcels are ranked at the city level in the Appendix based on annual retail sales (in thousands) and estimated number of PEVs traveling to those parcels during mid-day and early evening hours.

The third step involves deciding which types of land use and parking resources should be targeted and in which order. The fourth step, which involves evaluating and targeting specific parcels within a land use category, will be discussed in Sections 4, 5, and 6.

As the South Bay Cities subregion is home to several major employers, workplaces represent the largest parking opportunity, with far more employee spaces than combined single-family and MUD parking spaces. But while workplaces represent the dominant parking opportunity in nearly half the South Bay Cities, no single land use dominates in six other cities. The vast majority of parking opportunities in Rolling Hills, Palos Verdes Estates, and Rancho Palos Verdes are located at single-family homes. In other cities, a substantial percentage of parking opportunities (30% - 40%) are found at MUDs. The following section will describe how planners at the subregional and municipal level can use these findings.

Subregional and municipal PEV planning with the land use inventory

PEV readiness efforts and siting of charging stations should be prioritized according to the land uses that offer the highest *number* (across the subregion) or highest *share* (within a city) of potential PEV parking spaces.

Subregional planners will maximize the effectiveness of their resources by prioritizing PEV-ready reforms to zoning and building codes, permitting and signage standards in jurisdictions with the largest **absolute numbers** of the targeted site hosts and/or drivers. In doing so, the policy reforms that are implemented will affect the largest absolute number of prospective charge station site hosts and/or drivers. In order to know which municipalities to target, South Bay Cities planners will need to know how many parking spaces are located at different land uses across member cities.

Torrance has the highest absolute numbers of parking opportunities in all land uses, with Carson, Inglewood and Gardena appearing more than once in the top five positions depending on the land use. The subregional land use inventory in the next section will show how the cities compare in terms of estimated numbers of parking spaces at different land uses.

Municipal planners may wish to know what **share** of parking within their jurisdictions is tied to each land use in order to prioritize PEV planning around those most frequently-encountered land uses. These planning metrics will enable them to assess the relative importance of different land uses within their local PEV readiness plan. For example, a municipality such as El Segundo will prioritize workplace charging because this is where nearly 90% of all of its parking spaces are by land use. The municipality of Hawthorne will prioritize MUD charging because most of its residential housing is MUD, representing 40% of all parking spaces by land use. While parking space counts can describe the size of each individual land use opportunity, only data on the shares of land uses can assist the municipal planner in identifying the relative importance of specific land uses.

In the next section, we present both counts and shares of parking by land use within municipalities since these metrics will support both subregional as well as local PEV planning activities.

Another metric that may be useful is the spatial density of PEVs at land uses. Knowing where there will be spatially concentrated growth in PEVs will help local planners conduct outreach to site hosts or place public charging stations in high-demand locations where they are more likely to be utilized. Knowing where there will be spatially concentrated growth in electrical loads will help utility planners at Southern California Edison plan for investments to substation areas. As we show in the city-level maps in the Appendix, both workplaces and MUDs tend to be spatially concentrated and they could both experience rapid growth in charging equipment installations.

Parking opportunities in the South Bay Cities

Tables 3 – 8 rank each of the South Bay Cities by the estimated **number** of parking spaces in each city by land use (single-family, employee, and MUD) as well as the **share** of parking spaces within each city that are represented by a particular land use.

Out of a subregional total of over 631,000 parking spaces, employee parking spaces total more than half. As the most significant land use by absolute parking count in the subregion, workplace charging holds substantial promise in the South Bay.

Table 3. Estimated parking spaces by employee counts, South Bay Cities subregion

	Employee Count ²	MUD Count ³	Single-Family Count
Torrance	97,325	22,709	35,771
El Segundo	61,492	3,721	3,582
Carson	49,776	2,920	22,935
Inglewood	28,604	21,117	18,192
Gardena	24,951	9,427	12,944
Redondo Beach	23,471	14,175	16,091
Hawthorne	19,411	19,689	10,345
Manhattan Beach	17,139	3,215	12,044
Hermosa Beach	5,865	5,080	5,401
Lawndale	5,783	3,170	7,419
Rancho Palos Verdes	4,713	2,340	13,452
Rolling Hills Estates	4,268	156	2,928
Lomita	3,096	2,695	5,383
Palos Verdes Estates	2,028	356	4,922
Rolling Hills	237	0 ⁴	689

Table 4. Estimated parking spaces by employee share, South Bay Cities subregion

	% Employee	% MUD	% Single-Family
El Segundo	89%	5%	5%
Carson	66%	4%	30%
Torrance	62%	15%	23%

² Employee counts are based on U.S. Census Longitudinal Employer-Household Dynamics, Area Profile Analysis 2010, All Jobs.

³ MUD and single-family counts are based on U.S. Census 2011 American Community Survey 5-year estimates for units in structure. Single-family homes include detached and attached (rowhouse-type) single-family units as well as mobile homes.

⁴ The ACS 5-year estimates that there is one Rolling Hills housing unit located in a multi-unit dwelling. However, we have assigned a value of 0 to account for what is likely a statistical error, since by definition a multi-unit dwelling contains more than one housing unit.

Rolling Hills Estates	58%	2%	40%
Manhattan Beach	53%	10%	37%
Gardena	53%	20%	27%
Redondo Beach	44%	26%	30%
Inglewood	42%	31%	27%
Hawthorne	39%	40%	21%
Hermosa Beach	36%	31%	33%
Lawndale	35%	19%	45%
Palos Verdes Estates	28%	5%	67%
Lomita	28%	24%	48%
Rolling Hills	26%	0%	74%
Rancho Palos Verdes	23%	11%	66%

Source: U.S. Census Bureau

Table 5. Estimated parking spaces by single-family *counts*, South Bay Cities subregion

	Single-Family Count	MUD Count	Employee Count
Torrance	35,771	22,709	97,325
Carson	22,935	2,920	49,776
Inglewood	18,192	21,117	28,604
Redondo Beach	16,091	14,175	23,471
Rancho Palos Verdes	13,452	2,340	4,713
Gardena	12,944	9,427	24,951
Manhattan Beach	12,044	3,215	17,139
Hawthorne	10,345	19,689	19,411
Lawndale	7,419	3,170	5,783
Hermosa Beach	5,401	5,080	5,865
Lomita	5,383	2,695	3,096
Palos Verdes Estates	4,922	356	2,028
El Segundo	3,582	3,721	61,492
Rolling Hills Estates	2,928	156	4,268
Rolling Hills	689	0	237

Source: U.S. Census Bureau

Table 6. Estimated parking spaces by single-family *shares*, South Bay Cities subregion

	% Single-Family	% MUD	% Employee
Rolling Hills	74%	0%	26%
Palos Verdes Estates	67%	5%	28%
Rancho Palos Verdes	66%	11%	23%
Lomita	48%	24%	28%
Lawndale	45%	19%	35%

Rolling Hills Estates	40%	2%	58%
Manhattan Beach	37%	10%	53%
Hermosa Beach	33%	31%	36%
Carson	30%	4%	66%
Redondo Beach	30%	26%	44%
Gardena	27%	20%	53%
Inglewood	27%	31%	42%
Torrance	23%	15%	62%
Hawthorne	21%	40%	39%
El Segundo	5%	5%	89%

Source: U.S. Census Bureau

Table 7. Estimated parking spaces by MUD counts, South Bay Cities subregion

	MUD Count	Employee Count	Single-Family Count
Torrance	22,709	97,325	35,771
Inglewood	21,117	28,604	18,192
Hawthorne	19,689	19,411	10,345
Redondo Beach	14,175	23,471	16,091
Gardena	9,427	24,951	12,944
Hermosa Beach	5,080	5,865	5,401
El Segundo	3,721	61,492	3,582
Manhattan Beach	3,215	17,139	12,044
Lawndale	3,170	5,783	7,419
Carson	2,920	49,776	22,935
Lomita	2,695	3,096	5,383
Rancho Palos Verdes	2,340	4,713	13,452
Palos Verdes Estates	356	2,028	4,922
Rolling Hills Estates	156	4,268	2,928
Rolling Hills	0	237	689

Source: U.S. Census Bureau

Table 8. Estimated parking spaces by MUD shares, South Bay Cities subregion

	% MUD	% Employee	% Single-Family
Hawthorne	40%	39%	21%
Inglewood	31%	42%	27%
Hermosa Beach	31%	36%	33%
Redondo Beach	26%	44%	30%
Lomita	24%	28%	48%
Gardena	20%	53%	27%

Lawndale	19%	35%	45%
Torrance	15%	62%	23%
Rancho Palos Verdes	11%	23%	66%
Manhattan Beach	10%	53%	37%
El Segundo	5%	89%	5%
Palos Verdes Estates	5%	28%	67%
Carson	4%	66%	30%
Rolling Hills Estates	2%	58%	40%
Rolling Hills	0%	26%	74%

Source: U.S. Census Bureau

Conclusions

Planners should consult other sections in this document for guidance on which parcels in each city may be particularly well-suited to PEV charging in land uses that are locally important. These include workplaces (Section 4), MUDs (Section 5) and retail (Section 6). These sections will feature rankings of specific parcels at the subregional level by number of employees, number of units, annual sales (in thousands), and PEV density. In addition, the Appendix of this document contains city-level tables and maps that show where PEV densities are concentrated in terms of registrations, as well as at morning and mid-day travel destinations.

The land use inventories, parcel tables and maps were created using different data sources, including Census estimates, county assessor databases, commercial employment databases, and aerial photography. Planners should keep in mind that some level of error exists in every data source, and should view the tools presented in this deployment plan as guidelines that complement each other and that should be validated with local knowledge.

The following recommendations summarize and build upon the guidance provided in this chapter on assessing local land use opportunities.

1. Cities should target their PEV readiness efforts by assessing their land uses and the relative shares of parking supply that are accounted for by single-family homes, MUDs, and workplaces.
2. Regions and COGs should target PEV technical assistance to cities by assessing counts of parking by land use in absolute numbers or by the relative dominance of particular land uses within each city (i.e., target technical assistance on workplace charging to cities that either have the highest employee counts or the highest concentrations of employee parking relative to parking for other purposes).
3. Local, subregional and regional planners should assess their existing supply of charging stations and their dominant land uses to understand where gaps may need to be filled and where obsolete hardware may need to be replaced or removed.

IV. Workplace charging

Workplaces present a significant, and largely untapped, opportunity for PEV charging. After residences, they are the single most important environment for electric refueling. Vehicles are generally parked at workplaces for several hours every weekday, making it possible for them to completely recharge before the commute home. This is especially important for maximizing the electric miles driven by PHEVs, which use gasoline when their batteries are depleted. The ability to charge at work may also encourage PEV adoption by those for whom residential charging is cost-prohibitive or logistically difficult, particularly residents of multi-unit dwellings. Workplace charging thus represents the “missing link” between residential and publicly accessible charging.

This section will help planners assess workplace charging opportunities across and within local jurisdictions. It will describe how planners can use the maps and tables provided in the Appendix that accompanies this document to prioritize parcels for targeted workplace charging assistance.

Assessing the workplace charging opportunity

After conducting the land use inventory (Section 3), planners can further target specific employers based on number of employees at the workplace and PEV density in the employer’s neighborhood during weekday morning rush hour. Additionally, white-collar employees and high-tech workplaces may indicate PEV charging demand by employees.

The subregional table in this section and the city-level tables in the Appendix will help planners and utilities answer the following questions:

- What are the largest employers and where are they located?
- Which employers are located in neighborhoods where current PEV owners drive on weekday mornings?
- Which employers have the highest numbers of white-collar and high-tech workers?

Workplaces with large numbers of employees may be better-positioned than small businesses to recover costs from offering PEV charging due to higher potential usage. Determining which employers are the largest will help planners target outreach efforts and help utilities prioritize locations for transformer and power distribution upgrades.

Tables 9 and 10 rank the top 40 workplaces in high-PEV and medium-PEV areas in the South Bay Cities subregion by number of employees. High PEV density means that there are 13 or more PEVs that are parked during morning rush hour (6:00 a.m. to 9:00 a.m.) in the neighborhood where the workplace is located. Medium PEV density means there are 6-12 PEVs parked in the employer’s neighborhood during that time. Where available, information is provided about whether an employer is in a high-tech or related sector or if at least 50% of its employees are white-collar. These attributes could further indicate potential demand, as high-tech firms have been early adopters of PEV workplace charging and studies indicate PEV ownership is currently correlated with higher incomes and levels of education.

Employer data was obtained from 1) the South Coast Air Quality Management District's April 2013 database of employers subject to Rule 2202, which mandates that workplaces of at least 250 employees take measures to reduce emissions from employee commutes; and 2) commercially available Infogroup data from 2008 on employer size (i.e., number of employees), location, and information on whether the business is in a high-tech sector and whether its employees are mostly white-collar (where available).⁵

PEV density is predicted according to SCAG's 2008 regional travel model⁶ as applied to 2012 registration data from R.L. Polk & Co. Using surveys of household travel behavior, SCAG's travel demand model estimates the number of trips from home to work, school, and other destinations by time of day.⁷ By counting the number of PEVs from each *origin* TAZ that feed into each of the daytime *destination* TAZs, we were able to predict the locations and densities of PEVs traveling to work on weekdays from 6:00 a.m. to 9:00 a.m. It is important to note that these morning peak destination TAZs receive vehicles from outside the city.

For city-level rankings of employers, their weekday morning PEV densities and other attributes, please see the Appendix.

Table 9. Largest workplaces in neighborhoods of high PEV density during weekday mornings, South Bay Cities subregion

Company	Address	City	Employees	High Tech	White Collar
Boeing Satellite Systems	1950 E Imperial Hwy	El Segundo	4,899	Y	Y
Torrance Memorial Medical Center	3330 Lomita Blvd	Torrance	3,018	N	Y
Aero Space Corp	2350 E El Segundo Blvd	El Segundo	2,820	Y*	Y*
Directv Inc	2230 East Imperial Highway	El Segundo	1,823	Y	Y
Mattel Inc	333 Continental Blvd	El Segundo	1,609	N	Y*
American Honda Motor Co	1919 Torrance Blvd	Torrance	1,602	N	Y
Space Exploration Technologies ⁸	1 Rocket Road	Hawthorne	1,186	Y*	Y*
BP-Arco	2350 E 223rd St	Carson	1,075		
Robinson Helicopter Co Inc	2901-31 Airport Dr	Torrance	961	Y	Y
Herbalife International of America	950 190th St	Torrance	939	N	Y
Hi-Shear Corporation	2600 Skypark Dr	Torrance	865	N	N
Rhythm & Hues, Inc	2100 E Grand Ave	El Segundo	704		N
L-3 Communications Electron Tech Inc	3100 W Lomita Blvd	Torrance	621	Y	Y
Moog, Inc	20263 S Western Ave	Torrance	445	Y	Y
Leiner Health Products	901 E 233rd St	Carson	381		
Virco Mfg Corp	2027 Harpers Blvd	Torrance	372	N	N
Teledyne Controls	501 Continental Blvd	El Segundo	371	Y*	N

⁵ The UCLA Luskin Center has made an effort to reclassify certain companies along these attributes where appropriate.

⁶ http://www.scag.ca.gov/modeling/pdf/MVS08/MVS08_Chap05.pdf

⁷ <http://www.scag.ca.gov/modeling/index.htm>

⁸ While the travel model does not predict high PEV density for the neighborhood in which SpaceX is located, it has been included here.

Costco Wholesale	2751 Skypark Dr	Torrance	368	N	N*
Wal-Mart	19503 S Normandie Ave	Torrance	338	N*	N*
R. R. Donnelley & Sons Co	19681 Pacific Gateway Dr	Torrance	337		
Huck Intl Inc. DBA Alcoa Fastening Sys.	900 Watson Center Rd	Carson	331		

*Reclassified by Luskin Center

Sources: South Coast Air Quality Management District, Infogroup, Luskin Center application of data from R.L. Polk & Co. and SCAG regional travel model

Table 10. Largest workplaces in neighborhoods of medium PEV density during weekday mornings, South Bay Cities subregion

Company	Address	City	Employees	High Tech	White Collar
Raytheon Company	2000/2101 E El Segundo Blvd	El Segundo	7,110	Y*	Y
L.A. County Harbor-UCLA Medical Center	1000 W Carson St	Torrance	3,699		
Prov Health Sys/Little Co Mary Medical Ctr	4101 Torrance Blvd	Torrance	1,997		
Honeywell International Inc	2525 W 190th St	Torrance	1,200	Y*	Y*
Alcoa Global Fasteners, Inc	3000 W Lomita Blvd	Torrance	990	N	Y
Torrance City	3031 Torrance Blvd	Torrance	980	N	N
Redondo Beach City	415 Diamond St	Redondo Beach	695	N	N
ExxonMobil Oil Company	3700 W 190th St	Torrance	680	N	Y
International Rectifier Corp	222-348 Kansas St	El Segundo	558	Y	Y*
Pelican Products	23215 Early Ave	Torrance	466	N	N
Southern Section Lifeguard	1200 the Strand	Hermosa Beach	454	N	N
US Post Office	955 Deep Valley Dr	Rolling Hls Ests	300	N	N
El Segundo Parks & Recreation	401 Sheldon St	El Segundo	230	N	N
Bel Air Patrol	21171 S Western Ave	Torrance	201	N	Y
Classic Components Corp	23605 Telo Ave	Torrance	201	N	Y
Durham School Svc	16627 Avalon Blvd # A	Carson	200	N	N
Satco Inc	1601 E El Segundo Blvd	El Segundo	200	N	Y
Avega Health Systems Inc	200 N Sepulveda Blvd # 600	El Segundo	200	Y	Y
Team One Advertising	1960 E Grand Ave # 700	El Segundo	200	N	Y
Southwest Offset Printing	13650 Gramercy Pl	Gardena	200	N	N

*Reclassified by Luskin Center

Sources: South Coast Air Quality Management District, Infogroup, Luskin Center application of data from R.L. Polk & Co. and SCAG regional travel model

Conclusions

The 20 largest employers located in high-daytime PEV neighborhoods are found in only three cities: El Segundo, Torrance, and Carson. This suggests that employers in these cities may be early adopters of workplace charging. While these same three cities also dominate the list of employers located in medium-daytime PEV neighborhoods, the second list also includes Redondo Beach, Hermosa Beach, and Gardena, suggesting areas where employers may adopt workplace charging as the market matures.

The industries represented by the top employers may present challenges and opportunities. Defense contractors are important sources of technology research and development; workplace PEV charging may thus align with the mission, interest and image of the companies and their employees, some of whom may be PEV drivers. However, security protocols may make it difficult for planners to conduct employee outreach or establish on-site demonstration projects. Oil companies' business models would appear to discourage them from offering workplace charging, but they may wish to demonstrate an interest in sustainability. Other employers, particularly in the health, technology and public sector, may wish to accommodate or attract employees and clients that drive PEVs.

V. MUD Charging

Multi-unit dwellings, which include apartments, condominiums, cooperatives, and other planned developments with common parking areas, make up nearly 40% of the residential parking opportunities in the South Bay Cities subregion. As such, they represent a large potential source of PEV adoption in the future. However, due to the significant physical and institutional barriers to MUD charging, encouraging PEV adoption in this housing type will require a focused planning effort to establish PEV-ready wiring by code, by negotiation with developers, or through targeted outreach and demonstration projects.

While the planning metrics discussed in Section 3 can help characterize MUD charging potential at the subregional and city level, they do not show exactly where such opportunities are located spatially. Tables 10 and 11 rank the largest MUDs across the South Bay Cities that are located in neighborhoods of high- and medium-PEV registration density, respectively. The city-level maps and tables in the Appendix show the neighborhoods and parcels with the highest suitability to host PEV charging based on MUD size (number of units), PEV density, and other criteria discussed below.

Planners can use the maps and tables in this Plan to identify specific MUDs or owners that could potentially host on-site charging. Utilities can use this information to anticipate where upgrades may be needed for transformers and distribution stations to accommodate PEV charging at MUDs.

The tables below and in the Appendix are designed to help answer the following questions:

- What are the largest MUD buildings and where are they located?
- Which MUDs are located in neighborhoods where there are registered PEVs?
- What other attributes may affect demand or the cost to supply PEV charging at the MUD?

Larger MUDs are better candidates for hosting more PEV charging, given that they have more parking spaces (including visitor spaces). Landlords and condominium associations may also be better-

positioned to achieve economies of scale and recover their costs with more residents using the charging units.

However, number of units is not the only factor that may affect demand for and cost (financial and logistical) to supply PEV charging. While most early PEV adopters reside in single-family homes due to the lower physical and institutional barriers associated with single-family charging, MUDs could represent substantial middle-market PEV demand. The number of PEVs registered in the neighborhood where the MUD is located may indicate unmet demand for PEVs by MUD residents that may be similar to nearby single-family homeowners but for the difficulty in charging at an MUD. PEV density (high or medium) indicates the relative quantity of PEVs (13+ or 6-12) that are registered to residences in the neighborhood where the MUD is located.⁹

Whether the MUD is a condominium¹⁰ could indicate possible institutional barriers to installing PEV charging due to deeded or assigned parking. However, condominiums experience less turnover than rental properties and unit owners may be more likely than landlords to install hardware for their long-term use. Higher unit values could also indicate higher demand for PEV charging.

Knowing the age of a building, in conjunction with other attributes such as size of the electrical panel and parking configuration, can help planners assess the hard and soft costs involved in providing charging at that MUD. Building age may be correlated with panel size and distance between the electrical panel and where vehicles are parked. Building age may also indicate the likelihood of an MUD not having any on-site parking as well as other parking, construction or electrical features that may be typical of MUDs built in a city at a certain point in time. An understanding of MUD building vintages may help planners consider potential permitting and installation streamlining measures that may be needed.

A forthcoming study by California Department of Housing and Community Development will address the relationship between MUD parking configurations and installation cost of PEV-ready wiring. Below are some general guidelines about how to assess the PEV charging suitability of an MUD along certain attributes.

Panel size

Cities generally adopt state or national model codes for building and electrical standards, sometimes with changes that reflect local conditions and preferences. These codes specify minimum requirements for electrical panel sizes in certain types of buildings. Because the first full statewide building code for California was not published until 1989, individual California cities adopted or adapted standards from the National Electrical Code at different times over the years. It is therefore difficult to use year of construction as a definitive indicator of the cost of supplying PEV charging. Even if the year of

⁹ Registration data was purchased from R.L. Polk & Co., an automotive data vendor. The counts in the maps and parcel-specific tables reflect vehicles newly registered from December 2010, when the Chevrolet Volt and Nissan LEAF were introduced, through September 2012.

¹⁰ Information on ownership type, year-built and unit value were obtained from the Los Angeles County Assessor's 2007 Secured Basic File Abstract. Average unit values for non-condos were obtained by dividing the assessed value of the property by the number of units. Unit values for condos are the assessed value of one example condo unit on the property and may not be representative of all the units on the property. Year-built information is omitted where not listed in the Assessor file.

construction is known, a site visit or permit search may be required to verify the building's actual electrical panel size, as it may have been upgraded over the years.

A study by PEV consulting firm Clean Fuel Connection sampled single-family homes in Southern California Edison's service territory to describe charging installation cost as a function of factors including building age and existing panel size. The results indicated that homes built in 1970 or later faced lower installation costs (Joffe 2010). In a sample of 192 single-family homes, 20% - 30% of customers with 100 amperes of service needed an upgrade to accommodate a PEV. However, none of those with 200 amperes needed an upgrade.¹¹ The small sample size and the fact that these results were for single-family homes may limit their applicability to MUDs.

Energy efficiency

Most MUD parking area panels are sized to serve the minimum lighting, HVAC, or other electrical needs of the parking area, without enough extra capacity to provide Level 2 charging. Buildings constructed prior to 1978, when California's first energy efficiency standards for new buildings went into effect, may benefit from energy efficiency upgrades that would free up electrical capacity to provide Level 2 charging.

Parking configuration

Other information about an MUD, such as the type of parking (subterranean, podium, carport, or detached), may also help determine the hard and soft costs of PEV charging at that location.

Subterranean and podium parking structures are frequently built with some 120V outlets for general maintenance and service needs, even where not required by code. These outlets could be available for Level 1 charging and may circumvent the need (in the short run) to install a Level 2 charger and the accompanying panel upgrade that may be needed for Level 2. Carports, on the other hand, are not usually built with electrical outlets.¹² Installing a charger in a detached garage is often more expensive than installing one in an attached garage, due to the increased length of conduit needed to connect to the electricity source (Clean Fuel Connection and Co. 2011).

Table 10. Largest MUDs in areas of high PEV registration, South Bay Cities subregion

Address	City	ZIP	Units	Condo	Year Built	Average Value/Unit
415 Herondo St	Hermosa Beach	90254	286	N	1973	\$249,187
2442 Pacific Coast Hwy	Torrance	90717	91	N	1963	\$46,022

¹¹ Enid Joffe, personal communication, June 18, 2013.

¹² Interview with Osama Younan, chief of the Green Building and Mechanical Engineering Section, Los Angeles Department of Building and Safety, June 13, 2013.

25940 Rolling Hills Rd	Torrance	90505	77	N	1971	\$38,288
3107 Newton St	Torrance	90505	76	N	1969	\$33,280
6600 Beachview Dr	Rancho Palos Verdes	90275	57	N	1970	\$273,789
6568 Beachview Dr	Rancho Palos Verdes	90275	57	N	1970	\$273,789
32636 Nantasket Dr	Rancho Palos Verdes	90275	53	N	1968	\$588,906
3400 N Valley Dr	Manhattan Beach	90266	48	N	1991	\$94,418
420 2nd St	Hermosa Beach	90254	44	N	1971	\$1,497,545
25220 Tandem Way	Torrance	90505	43	N	1963	\$333,357
1910 Manhattan Beach Blvd	Redondo Beach	90278	40	N		\$106,846
26130 Narbonne Ave	Lomita	90717	39	Y	1975	\$350,000
1150 Tennyson St	Manhattan Beach	90266	38	N	1963	\$124,604
2205 Farrell Ave	Redondo Beach	90278	36	N	1972	\$113,711
3650 Newton St	Torrance	90505	36	N	1963	\$41,791
1900 Dufour St	Redondo Beach	90278	33	N	1970	\$121,671
25909 Rolling Hills Rd	Torrance	90505	30	N	1970	\$120,133
1601 Artesia Blvd	Manhattan Beach	90266	21	N		\$21,909
24065 Neece Ave	Torrance	90505	21	N	1968	\$33,455
2110 Farrell Ave	Redondo Beach	90278	20	N	1970	\$103,240

Sources: R.L. Polk & Co., Los Angeles County Assessor

Table 11. Largest MUDs in neighborhoods of medium PEV registration, South Bay Cities subregion

Address	City	ST	ZIP	Units	Condo	Year Built	Average Value/Unit
6728 Los Verdes Dr	Rancho Palos Verdes	CA	90275	136	N	1970	\$116,174
6910 Los Verdes Dr	Rancho Palos Verdes	CA	90275	132	N	1972	\$120,103
5520 W 190th St	Torrance	CA	90503	122	N	1971	\$87,524
1780 Plaza Del Amo	Torrance	CA	90501	116	N	1963	\$66,791
1304 Park View Ave	Manhattan Beach	CA	90266	104	N	1997	\$30,569
1300 Park View Ave	Manhattan Beach	CA	90266	104	N	1997	\$40,944
6700 Los Verdes Dr	Rancho Palos Verdes	CA	90275	97	N	1969	\$146,341
5711 Ravenspur Dr	Rancho Palos Verdes	CA	90275	88	N	1970	\$57,360
512 Avenue G	Redondo Beach	CA	90277	78	N	1964	\$114,533
28125 Peacock Ridge Dr	Rancho Palos Verdes	CA	90275	76	N	1971	\$263,510
5530 W 190th St	Torrance	CA	90503	70	N	1972	\$31,198
5762 Ravenspur Dr	Rancho Palos Verdes	CA	90275	69	N	1964	\$108,232
4001 W 242nd St	Torrance	CA	90505	60	N	1959	\$38,730
1735 Lincoln Ave	Torrance	CA	90501	57	N	1963	\$35,694
6507 Ocean Crest Dr	Rancho Palos Verdes	CA	90275	57	N	1973	\$237,284
1721 Aviation Blvd	Redondo Beach	CA	90278	54	N	1969	\$105,626

28129 Peacock Ridge Dr	Rancho Palos Verdes	CA	90275	54	N	1971	\$144,623
28151 Highridge Rd	Rancho Palos Verdes	CA	90275	53	N	1972	\$143,605
1821 Pacific Coast Hwy	Hermosa Beach	CA	90254	52	N	1972	\$197,175
3929 W 242nd St	Torrance	CA	90505	48	N	1961	\$156,060

Sources: R.L. Polk & Co., Los Angeles County Assessor

Conclusions

The top MUDs by unit size in both high- and medium-PEV density neighborhoods are located in five cities: Hermosa Beach, Rancho Palos Verdes, Torrance, Redondo Beach and Manhattan Beach. Given that only 11% of the parking opportunities in Rancho Palos Verdes are at MUDs, the fact that there are several large MUD developments in areas where PEVs are registered could indicate latent demand for MUD charging in Rancho Palos Verdes.

What is also striking is that PEV registrations are concentrated along specific *streets* with large MUDs. Pacific Coast Highway, Rolling Hills Road, Ravenspur Drive, Peacock Ridge Drive, Park View Avenue, Los Verdes Drive, 242nd Street, Farrell Avenue, and Beachview Drive each have more than one large MUD. This may help planners serve outreach and demonstration efforts to clusters of MUDs that show potential demand for PEV charging. It is possible that large MUDs clustered in the same areas have the same owners, which would allow planners to focus planning efforts even further.

VI. Retail charging

Most plug-in electric vehicle (PEV) charging occurs at home, followed by charging at the workplace. However, the proliferation of plug-in hybrid electric vehicles (PHEVs) has increased the demand for more sporadic charging outside of home or work. To maximize their electric miles driven, many PHEV drivers find it valuable to charge when visiting retail destinations.

Whether charging at public-sector and retail sites is cost-effective for PEV drivers and financially viable for charge station operators will depend upon several factors. These include where stations are located, how much demand there is for charging, and how much it costs to use or own the charge station.¹³ This section will help planners assess retail charging opportunities across and within jurisdictions. We present a streamlined process for screening potential retail PEV charging sites and then present more specific information that retailers and planners should obtain about parking on the site to determine actual suitability for PEV charging.

Planners can use the subregional maps provided in the Southern California PEV Atlas or the city-level maps provided in the Appendix of this document to identify the retail parcels in their respective jurisdictions. The maps also overlay retail centers of different sizes with densities of PEVs traveling between 9:00 a.m. and 3:00 p.m. Planners and utilities can use these maps to compare the spatial

¹³ Guidance on pricing use of retail charging stations is provided in Chapter 8 of the Southern California PEV Readiness Plan http://164.67.121.27/files/Downloads/luskincenter/ev/PEV_Readiness_Plan.pdf.

distribution of retail centers and mid-day travel destinations for PEVs. Those retail locations are classified by store type (from regional mall to small storefront) and parking configuration as described in Table 12. Planners can then conduct a land use inventory to estimate how large a share of parking spaces in their jurisdiction are made up by those retailers.

Table 12. SCAG retail land use classifications (as mapped in the Appendix)

DESCRIPTION	KEY ATTRIBUTE
Regional Shopping Center	Department store with surrounding parking
Retail Centers (Non-Strip With Contiguous Interconnected Off-Street Parking)	Magnet store with in-front parking
Modern Strip Development	Small businesses with parking on-street and on one side
Older Strip Development	Small businesses with on-street parking

Another way to evaluate the potential of a site host to supply PEV charging is by ranking retailers by annual sales volume. Retailers with higher annual sales may be better equipped to absorb the upfront infrastructure investment of providing PEV charging. Higher annual sales may indicate higher aggregate demand for PEV charging, though the amount of time customers spend parked at the site will be of key importance in determining how much PEV charging is used and whether it can be provided at a price that is cost-effective for both the retailer and the driver.

Tables 13 and 14 below and the city-level table provided in the Appendix are designed to help answer the following questions:

- What are the largest retailers by sales and where are they located?
- Which retailers are located in neighborhoods where PEVs are parked during mid-day hours?

Tables 13 and 14 list the top retailers in the South Bay by annual sales (in thousands) as provided in Infogroup's 2008 database.¹⁴ Retailers are defined as businesses classified under the following North American Industrial Classification System descriptions: retail trade; arts, entertainment and recreation; accommodation and food services; and other services (i.e., dry cleaners and beauty salons). PEV density (high or medium) indicates the relative quantity of PEVs that are parked during mid-day hours (9:00 a.m. to 3:00 p.m.) in the neighborhood in which the retailer is located. A high PEV density indicates that at least 13 PEVs are parked in the neighborhood, while medium density indicates the presence of 6-12 PEVs.

¹⁴ Significant retailers not listed in Infogroup's database are also listed separately by city in the Appendix. These include gyms, the Home Depot Center in Carson, etc.

We estimated mid-day PEV density by applying Census tract-level PEV registration data to SCAG's 2008 regional travel model. Census tracts closely follow the boundaries of travel analysis zones (TAZs), which are the geographic areas used by SCAG to model vehicle travel. SCAG's travel demand model estimates the number of trips from home to work, school, and other destinations by time of day. By counting the number of PEVs from each *origin* TAZ that feed into each of the midday *destination* TAZs, we are able to predict the number of PEVs traveling to neighborhoods from 9:00 a.m. to 3:00 p.m.

Table 13. Top retailers in high-PEV neighborhoods at mid-day, South Bay Cities subregion

Company	Address	City	Annual Sales (in thousands)
Fry's Electronics	3600 S Sepulveda Blvd	Manhattan Beach	\$90,440
Nordstrom	1835 Hawthorne Blvd	Redondo Beach	\$56,700
Pacific Sales Inc	2080 Washington Ave	Torrance	\$55,600
Auto Nation Infinity	3035 Pacific Coast Hwy	Torrance	\$54,976
Power Acura South Bay	25341 Crenshaw Blvd	Torrance	\$51,540
Torrance Toyota	2955 Pacific Coast Hwy	Torrance	\$45,000
Macy's	3400 N Sepulveda Blvd	Manhattan Beach	\$40,500
Best Buy	3675 Pacific Coast Hwy	Torrance	\$39,729
LA Car Guy	2900 Pacific Coast Hwy	Torrance	\$34,360
Ted Green Chevrolet	23505 Hawthorne Blvd	Torrance	\$32,642
Ralphs	2700 N Sepulveda Blvd	Manhattan Beach	\$30,875
Kohl's Department Store	25375 Crenshaw Blvd	Torrance	\$29,970
Costco	2451 Skypark	Torrance	\$29,970
Ralphs	1413 Hawthorne Blvd	Redondo Beach	\$27,170
Martin Chevrolet	23505 Hawthorne Blvd	Torrance	\$27,100
Whole Foods Market	405 N Pacific Coast Hwy	Redondo Beach	\$25,441
Marriott-Manhattan Beach	1400 Park View Ave	Manhattan Beach	\$19,600
REI	1800 Rosecrans Ave # E	Manhattan Beach	\$18,500
Mervyns	1799 Hawthorne Blvd	Redondo Beach	\$17,010
Barnes & Noble Booksellers	1815 Hawthorne Blvd # 332	Redondo Beach	\$10,640

Sources: R.L. Polk & Co., Infogroup

Table 14. Top retailers in medium-PEV neighborhoods at mid-day, South Bay Cities subregion

Company	Address	City	Annual Sales (in thousands)
Target	1200 N Sepulveda Blvd	Manhattan Beach	\$69,540
Target	3433 Sepulveda Blvd	Torrance	\$64,050
Power Volvo South Bay	3010 Pacific Coast Hwy	Torrance	\$55,835
Lexus South Bay	3215 Pacific Coast Hwy	Torrance	\$51,540

Bristol Farms	837 Silver Spur Rd	Rolling Hls Ests	\$45,695
Mercedes-Benz of South Bay	3233 Pacific Coast Hwy	Torrance	\$42,400
Pavilions	7 Peninsula Ctr	Rolling Hls Ests	\$37,050
Integrated Data Svc	2141 Rosecrans Ave # 2050	El Segundo	\$36,358
Pacific Porsche	2900 Pacific Coast Hwy	Torrance	\$34,360
South Bay BMW	18800 Hawthorne Blvd	Torrance	\$34,360
Whole Foods Market	2655 Pacific Coast Hwy	Torrance	\$30,875
Land Rover South Bay	900 N Pacific Coast Hwy	Redondo Beach	\$30,065
Albertsons	1516 S Pacific Coast Hwy	Redondo Beach	\$29,640
Dolb's International Svc Inc	444 N Nash St # 237	El Segundo	\$26,000
Jaguar of South Bay	3111 Pacific Coast Hwy	Torrance	\$25,000
Ralphs	500 N Sepulveda Blvd	El Segundo	\$24,700
Ralphs	2909 Rolling Hills Rd	Torrance	\$24,700
Albertsons	21035 Hawthorne Blvd	Torrance	\$22,230
Awr Corp	1960 E Grand Ave # 430	El Segundo	\$20,580
Abercrombie & Fitch	550 Deep Valley Dr # 189	Rolling Hls Ests	\$15,810

Sources: R.L. Polk & Co., Infogroup

The retailers listed above tend to fall into three categories: car dealerships, supermarkets, and large retail chains (general purpose and specialty). These retailers may have different customer demographics, vehicle dwell times, and energy costs associated with their typical operation. Planners and retailers should consider these and other factors that will help determine demand and relative cost-effectiveness for each potential PEV charging location after initially screening retailers by annual sales and mid-day PEV density. These additional criteria are described in the next section.

Evaluative criteria for the selection of retail charging sites

Planners will want to consider a variety of criteria when prioritizing a site or group of sites. Many of these criteria relate to a site's potential demand for charging or its relative cost-effectiveness in hosting a station. These factors include:

- Potential demand for PEV charging
- Frequency of visits per week
- Time of day when charging
- How long cars are parked (a.k.a. "dwell time")
- Cost of electricity (and demand charges)
- The value of non-PEV parking spaces to the site host
- Driver's cost of waiting
- "Green" reputation for site host

Sites and areas with high potential demand for charging

One of the most important criteria is that the site be a place where PEVs are or will be parked. Several types of current driver-specific, site-specific, and neighborhood-specific criteria can be used to assess current- and near-term potential **demand** for charging. The most reliable evidence on potential charge station utilization comes from those drivers currently using parking at a site. Indeed, the best site-specific evidence is the actual presence of PEVs parked on or adjacent to the site. Customer surveys (or driver surveys in the case of public-sector sites) of PEV ownership and the intent to purchase a PEV can also be a good predictor. Future demand for PEVs is often associated with the current ownership of hybrids, so a higher-than-average concentration of hybrids in a parking lot may be a good predictor. Planners could also use demographics associated with early-market PEV adopters. These characteristics include customers with higher educational achievement, moderate to higher incomes, willingness to innovate, and often attitudes that are pro-environment or pro-oil independence (CCSE 2012; Nixon and Saphores 2011; Landy 2011). In the South Bay, REI or Whole Foods shoppers may fit these criteria.

The **frequency** and **total level of visitation** to a site can also be an important factor. Planners might also ask where the site supports parking for 1) routine daily travel (work, school, gyms, etc.), 2) routine weekly travel (stadiums, theaters, churches, etc.) or 3) occasional travel (hotels, major vacation destination charging or freeway-adjacent stations). We discuss specific site types in greater detail in the following sections.

Other site-specific characteristics, such as size and location, may be useful but should be used to make a choice between competing sites that have been prioritized based on customer- or driver-specific evidence of potential demand. With all else equal, sites with larger parking capacity (for example, big-box retailers such as Target) are more likely to host PEVs. Similarly, prioritizing sites near high-volume freeways or arterials might incrementally increase site utilization.

Selecting sites that offer the lowest possible cost of charging will benefit not only the site host (by increasing utilization rates) but also PEV drivers (who will pay lower prices for charging). Sites that provide the lowest possible cost per kilowatt-hour (kWh) to PEVs will typically have the following features:

Sites on which PEVs are ***parked for longer periods of time*** (longer “dwell times”) enable slower rates of charging, which may enable the use of less costly Level 1 charging rather than more costly Level 2 or fast charging. The longer the dwell time, the more miles of electric range can be added. At Level 1, an hour of charge can add five to 10 miles of range, depending on the capacity of the vehicle’s onboard charger. At Level 2, an hour of charge adds between 10 to 20 miles of range, depending on the capacity of the vehicle’s onboard charger. Longer PEV dwell times also enable multi-armed smart chargers to deliver lower costs per kWh delivered over a larger numbers of vehicles. Slower charging, enabled by long dwell times, may also help site owners to avoid electricity demand charges.

Planners may also want to balance factors like average trip distance and frequency of travel to a site with the dwell time for each particular site type. While routine destinations may see greater use, shorter trips may benefit less from charging than would longer trips with longer dwell times. Drugstores, for

example, would have shorter dwell times than theaters or recreational areas, but may have more patrons on an average day.

Some car dealerships may allow PEV drivers to charge their vehicles even if the driver did not purchase the vehicle that particular dealership, though the service may not be available to drivers of other PEV makes. Unless the driver is bringing a vehicle to the dealer for service, he or she would likely only be using the site for charging, similar to a DC Fast station.

A feature related to the land use or type of site is time of PEV arrival at the site, which determines the ***time of day when charging would occur***. Charging that occurs before 12:00 p.m. and after 9:00 p.m. will enable most site hosts to provide lower-cost electricity to PEVs because of electricity rates that are lower during these periods. Charging between 12:00 p.m. and 9:00 p.m. is not only the most expensive, but more likely to incur demand charges for the site host.¹⁵ Unfortunately, many types of retail sites are only open between 10:00 a.m. and 9:00 p.m., which is the period when electricity costs are highest and demand charges are most likely. In addition, dwell times are often the lowest for many types of retail destinations, making them the least cost-effective type of land use to host charging. Supermarkets, which already have high energy use during peak daytime hours due to refrigeration, may be inclined to provide PEV charging if it does not significantly increase their electricity cost.

The ***value of regular parking spaces to the site host*** is another factor to consider. For many sites, there is no value lost by replacing a regular parking space with a charging space, because most sites have many unused parking spaces. On sites where there is a shortage of parking, charging stations can also be located in places within parking facilities that are the last to fill up in order to avoid the appearance (to the other employees or customers) of displacement.¹⁶ Sites can also experiment with dual-use and time-of-day split use of spaces for both parking and charging. For example, charging spaces intended for government employees during the day can be made available to the general public at night.

The second type of cost that may vary across public-sector and retail sites is the ***driver's time*** while charging. In most instances, PEV drivers will not choose to charge at a site unless there is no additional time associated with charging. Planners should expect the PEV driver will be busy with whatever motivated his or her visit to that destination. Only in the rare case that a PEV driver is in danger of running out of fuel are they likely to be willing to spend time refueling, and then they are likely to choose to refuel quickly with gasoline if they own a PHEV. Chargers should be located at sites where drivers would normally stop for at least 1 to 2 hours or more unless they are refueling along interstate corridors during inter-regional travel.

Two other factors may affect the value proposition of hosting a charge station at retail sites. The first is that, for a few types of retail sites that price charging lower than what drivers would pay at home, charging stations may attract customers that would have otherwise gone to another retail site. Second,

¹⁵ Demand charges are added to the electricity bills of non-residential customers to reflect the additional cost of delivering power to them during the customer's peak usage times.

¹⁶ Placement of the first charging space may be constrained by disabled access requirements.

some site hosts want to support or be associated with “**green**” values or energy independence. These are likely to be retail establishments that incorporate these values into the corporate brand identities. Again, Whole Foods Market and REI would fit this criteria.

Typical dwell times

Based on the above criteria, we identify several broad categories of sites. We use an analysis of 2009 National Household Transportation Survey data (Krumm 2012) to common travel destinations that tend to require at least moderate travel distance. Based on this analysis, the list below features some examples of retail site types where vehicles tend to be parked for about two hours on average:

Commercial parking facilities

Major retail malls

Sporting events and arenas

Major pedestrian-oriented commercial thoroughfares

Bars and evening entertainment venues

Gyms and sports clubs

Finally, Table 15 describes retail sites that have been documented to have relatively shorter travel distances and shorter dwell times (Krumm 2012).

Table 15. Retail sites with short dwell times

Destination	Average dwell time (minutes)
Gas stations	10
Video rental/cleaners/post office/bank	19
Coffee/ice cream/snacks	20
Grocery, hardware, clothing store	36
Attorney/accountant office	41
Meals/restaurants	46
Day care	65
Grooming, hair, nails	67
Medical/dental services	68

Source: Krumm (2012)

Charging in stand-alone parking facilities

Areas rich in small stores and businesses may represent demand for charging curbside or in stand-alone parking structures. Parking lots and structures greater than 2.5 acres that are not attached to other land uses are mapped at the city level in the Appendix. Operators of stand-alone parking facilities will have different cost recovery goals depending on whether they are government-owned or commercial pay

parking lots. Publicly-accessible parking facilities can fill a gap in PEV charging, particularly in older urban cores where retail stores and even some workplaces and multi-unit dwellings do not have dedicated parking.

Conclusions

Due to potentially short dwell times and high charges for electricity during peak daytime hours, it may be a challenge for many retailers to provide PEV charging at a price that is cost-effective for both the host and driver. However, the South Bay features many retailers in areas where high and moderate numbers of PEVs are parked during mid-day hours. Planners and retailers must consider many factors in evaluating retail locations for PEV charging, including current demand, vehicle dwell times, level and frequency of visitation, and electricity costs. Retailers with high sales may be in the best position to supply a higher number of parking spaces and absorb the upfront cost of providing PEV charging.

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Appendix: South Bay Cities Plug-in Electric Vehicle Deployment Plan



Prepared for
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California
Association of
Governments

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Appendix: South Bay Cities Plug-in Electric Vehicle Deployment Plan

About this Document

This document was prepared for the Southern California Association of Governments (SCAG) by J.R. DeShazo, Ayala Ben-Yehuda, Norman Wong and Alex Turek of the UCLA Luskin Center for Innovation. It constitutes the appendix to the final plug-in electric vehicle deployment plan for the South Bay Cities subregion as Deliverable 26 of SCAG contract 12-021-C1 to support subregional planning for plug-in electric vehicle (PEV) adoption. SCAG is coordinating a multi-stakeholder group of government agencies, utilities, and university researchers to prepare multi-faceted and interdisciplinary subregional PEV readiness plans. Among other purposes, these plans will help illuminate and guide strategic infrastructure investment, PEV-related economic development, and supportive policy design in Southern California.

Disclaimer

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Table of Contents

Appendix	1
City-level maps.....	1
City-level tables	1
List of city-level maps and tables	1
Largest workplaces in neighborhoods of high PEV density during weekday mornings, South Bay Cities ...	5
Largest workplaces in neighborhoods of medium PEV density during weekday mornings, South Bay Cities	6
Largest multi-unit dwellings in neighborhoods of high PEV registration, South Bay Cities	7
Largest multi-unit dwellings in neighborhoods of medium PEV registration, South Bay Cities	8
Largest retailers (by sales) in neighborhoods of high mid-day PEV density, South Bay Cities	9
Largest retailers (by sales) in neighborhoods of medium mid-day PEV density, South Bay Cities.....	10
Carson: PEV Registrations	11
Carson: PEV morning peak destinations	12
Carson: Top workplaces by number of employees.....	13
Carson: PEV morning peak destinations and top workplaces	14
Carson: Top employers (table).....	15
Carson: Multi-unit residential and PEV registrations.....	17
Carson: Top MUDs (table).....	18
Carson: Commercial (retail) locations.....	19
Carson: PEV mid-day destinations and commercial (retail) locations	20

Carson: Top retailers (table)	21
Carson: Publicly-accessible charging stations.....	23
Carson: Stand-alone parking facilities.....	23
El Segundo: PEV Registrations	25
El Segundo: PEV morning peak destinations	26
El Segundo: Top workplaces by number of employees	27
El Segundo: PEV morning peak destinations and top workplaces.....	28
El Segundo: Top employers (table).....	29
El Segundo: Multi-unit residential and PEV registrations	31
El Segundo: Top MUDs (table)	32
El Segundo: Commercial (retail) locations	33
El Segundo: PEV mid-day destinations and commercial (retail) locations	34
El Segundo: Top retailers (table).....	35
El Segundo: Publicly-accessible charging stations	36
Gardena: PEV Registrations	37
Gardena: PEV morning peak destinations	38
Gardena: Top workplaces by number of employees	39
Gardena: PEV morning peak destinations and top workplaces.....	40
Gardena: Top employers (table)	41
Gardena: Multi-unit residential and PEV registrations.....	42
Gardena: Top MUDs (table)	43
Gardena: Commercial (retail) locations	44
Gardena: PEV mid-day destinations and commercial (retail) locations	45
Gardena: Top retailers (table).....	46
Gardena: Publicly-accessible charging stations	47

Hawthorne: PEV Registrations	48
Hawthorne: PEV morning peak destinations	49
Hawthorne: Top workplaces by number of employees.....	50
Hawthorne: PEV morning peak destinations and top workplaces	51
Hawthorne: Top employers (table).....	52
Hawthorne: Multi-unit residential and PEV registrations.....	54
Hawthorne: Top MUDs (table).....	55
Hawthorne: Commercial (retail) locations.....	56
Hawthorne: PEV mid-day destinations and commercial (retail) locations	57
Hawthorne: Top retailers (table)	58
Hawthorne: Publicly-accessible charging stations (summer/fall 2012).....	60
Hawthorne: Stand-alone parking facilities	61
Hermosa Beach: PEV Registrations.....	62
Hermosa Beach: PEV morning peak destinations	63
Hermosa Beach: Top workplaces by number of employees	64
Hermosa Beach: PEV morning peak destinations and top workplaces	65
Hermosa Beach: Top employers (table).....	66
Hermosa Beach: Multi-unit residential and PEV registrations	67
Hermosa Beach: Top MUDs (table).....	68
Hermosa Beach: Commercial (retail) locations	69
Hermosa Beach: PEV mid-day destinations and commercial (retail) locations.....	70
Hermosa Beach: Top retailers (table)	71
Hermosa Beach: Publicly-accessible charging stations (summer/fall 2012)	73
Inglewood: PEV Registrations	74
Inglewood: PEV morning peak destinations	75

Inglewood: Top workplaces by number of employees	76
Inglewood: PEV morning peak destinations and top workplaces	77
Inglewood: Top employers (table)	78
Inglewood: Multi-unit residential and PEV registrations	79
Inglewood: Top MUDs (table)	80
Inglewood: Commercial (retail) locations	81
Inglewood: PEV mid-day destinations and commercial (retail) locations	82
Inglewood: Top retailers (table)	83
Inglewood: Publicly-accessible charging stations (summer/fall 2012)	85
Inglewood: Stand-alone parking facilities	86
Lawndale: PEV Registrations	87
Lawndale: PEV morning peak destinations	88
Lawndale: Top workplaces by number of employees	89
Lawndale: PEV morning peak destinations and top workplaces	90
Lawndale: Top employers (table)	91
Lawndale: Multi-unit residential and PEV registrations	92
Lawndale: Top MUDs (table)	93
Lawndale: Commercial (retail) locations	94
Lawndale: PEV mid-day destinations and commercial (retail) locations	95
Lawndale: Top retailers (table)	96
Lomita: PEV Registrations	98
Lomita: PEV morning peak destinations	99
Lomita: Top workplaces by number of employees	100
Lomita: PEV morning peak destinations and top workplaces	101
Lomita: Top employers (table)	102

Lomita: Multi-unit residential and PEV registrations.....	103
Lomita: Top MUDs (table).....	104
Lomita: Commercial (retail) locations.....	105
Lomita: PEV mid-day destinations and commercial (retail) locations	106
Lomita: Top retailers (table)	107
Manhattan Beach: PEV Registrations	109
Manhattan Beach: Top workplaces by number of employees	110
Manhattan Beach: PEV morning peak destinations and top workplaces.....	111
Manhattan Beach: Top employers (table)	112
Manhattan Beach: Multi-unit residential and PEV registrations.....	114
Manhattan Beach: Top MUDs (table)	115
Manhattan Beach: Commercial (retail) locations.....	116
Manhattan Beach: PEV mid-day destinations and commercial (retail) locations	117
Manhattan Beach: Top retailers (table).....	118
Manhattan Beach: Publicly-accessible charging stations (summer/fall 2012)	119
Manhattan Beach: Stand-alone parking facilities.....	120
Palos Verdes Peninsula: PEV Registrations	121
Palos Verdes Peninsula: PEV morning peak destinations	122
Palos Verdes Peninsula: Top workplaces by number of employees.....	123
Palos Verdes Peninsula: PEV morning peak destinations and top workplaces	124
Palos Verdes Estates: Top employers (table).....	125
Rancho Palos Verdes: Top employers (table)	126
Palos Verdes Peninsula: Multi-unit residential and PEV registrations	127
Palos Verdes Estates: Top MUDs (table).....	128
Rancho Palos Verdes: Top MUDs (table)	129

Palos Verdes Peninsula: Commercial (retail) locations.....	130
Palos Verdes Peninsula: PEV mid-day destinations and commercial (retail) locations.....	131
Palos Verdes Estates: Top retailers (table)	132
Rancho Palos Verdes: Top retailers (table).....	133
Redondo Beach: PEV Registrations.....	134
Redondo Beach: PEV morning peak destinations.....	135
Redondo Beach: Top workplaces by number of employees	136
Redondo Beach: PEV morning peak destinations and top workplaces	137
Redondo Beach: Top employers (table)	138
Redondo Beach: Multi-unit residential and PEV registrations	139
Redondo Beach: Top MUDs (table).....	140
Redondo Beach: Commercial (retail) locations	141
Redondo Beach: PEV mid-day destinations and commercial (retail) locations.....	142
Redondo Beach: Top retailers (table)	143
Redondo Beach: Publicly-accessible charging stations (summer/fall 2012)	144
Redondo Beach: Stand-alone parking facilities	145
Palos Verdes Peninsula: PEV Registrations.....	146
Palos Verdes Peninsula: PEV morning peak destinations.....	147
Palos Verdes Peninsula: Top workplaces by number of employees.....	148
Palos Verdes Peninsula: PEV morning peak destinations and top workplaces	149
Rolling Hills: Top employers (table)	150
Rolling Hills Estates: Top employers (table).....	151
Palos Verdes Peninsula: Commercial (retail) locations.....	152
Palos Verdes Peninsula: PEV mid-day destinations and commercial (retail) locations.....	153
Rolling Hills: Top retailers (table).....	154

Rolling Hills Estates: Top retailers (table)	155
Torrance: PEV Registrations.....	156
Torrance: PEV morning peak destinations.....	157
Torrance: Top workplaces by number of employees	158
Torrance: PEV morning peak destinations and top workplaces	159
Torrance: Top employers (table)	160
Torrance: Multi-unit residential and PEV registrations	162
Torrance: Top MUDs (table)	163
Torrance: Commercial (retail) locations	164
Torrance: PEV mid-day destinations and commercial (retail) locations.....	165
Torrance: Top retailers (table)	166
Torrance: Publicly-accessible charging stations (summer/fall 2012)	168
Technical appendix	169

Appendix: City-level PEV planning maps and tables

This section describes the suite of maps and tables provided for each of the 15 cities in the South Bay subregion and explains how they can be used in PEV planning. The technical appendix that follows the maps and tables provides detailed information on data sources and analyses used to generate each map.

City-level maps

The city-level **maps** in this Appendix describe how many PEVs are in a given neighborhood and how their spatial concentrations vary over the course of a day as their drivers travel to workplaces and retail destinations in 15 cities in the South Bay Cities subregion.

The maps also display potential charging infrastructure opportunities to support and complement growth in the PEV market. They identify the locations and sizes of workplaces, multi-unit residences and retail establishments that could potentially host PEV charging. Lastly, the Appendix includes maps of other resources that support PEV charging, such as existing publicly-accessible charging stations and stand-alone parking facilities.

This spatial information enables planners to know where PEVs are currently and where growth will occur in the future. This will help them prioritize the municipal planning reforms such as those described in the South Bay Cities PEV Deployment Plan. It describes where latent PEV demand is constrained because of the challenges of installing charging opportunities in multi-unit residences. It also describes the locations of workplaces and retail establishments that are in neighborhoods with a higher density of PEVs during the day and evening. With this information, planners can take the next steps to provide the targeted technical assistance to these sites as described in the South Bay Cities PEV Deployment Plan.

City-level tables

The parcel **tables** provided in the Appendix display locations in each South Bay city that may be particularly suitable to host PEV charging. This is because they represent the highest levels of *supply* of PEV parking spaces (in the case of workplaces and MUDs with the highest numbers of employees and dwelling units) or the highest levels of potential *demand* for PEV charging (retailers with the highest annual sales in thousands).

Tables displaying workplaces, MUD buildings and retailers are provided in the Appendix for each city in the South Bay subregion. Planners can use these tables to identify employers, employees, residents, property owners and retailers that may be good targets for informational workshops or demonstration projects for PEV charging. In addition to ranking workplaces by number of employees, MUDs by number of units, and retailers by annual sales, other attributes that affect suitability to host PEV charging are provided as described below.

List of city-level maps and tables

This Appendix features the following maps of the neighborhoods and municipalities within each city in the South Bay Cities subregion:

1. Map of PEV registration density as of 2012. Knowing how many PEVs are currently registered in a given area will indicate the location of current and near-future demand for residential charging. By extension, this information can help planners and utilities anticipate locations that will carry additional nighttime electrical load.

2. Map of PEV morning travel to work, providing spatial daytime PEV density at or near workplaces. Understanding where PEVs are concentrated during morning peak hours (6:00 a.m. to 9:00 a.m.) can help planners and utilities identify neighborhoods where there will be demand for daytime charging.

3. Map of top 40 workplaces identified by numbers of employees. Planners can target the largest employers for workplace charging initiatives, as they presumably host the largest numbers of parking spaces on-site and can potentially serve the highest numbers of employees.¹

4. Map of top 40 workplaces overlaid with morning peak PEV density. Planners and utilities can use these maps to assess the potential utilization of workplace charging by comparing the spatial distribution of employers and weekday morning peak travel destinations for PEVs.

5. Table of top 40 workplaces² listed in each city by number of employees. In addition to the sheer number of employees/potential PEV parking spaces, planners can use the other attributes in the table to assess potential demand for PEV charging at a workplace. PEV density (high or medium) indicates the relative quantity of PEVs that are parked during morning rush hour (6:00 a.m. to 9:00 a.m.) in the neighborhood where the workplace is located. If an employer is in a high-tech sector or if at least 50% of its employees are white-collar, this could further indicate potential demand, as high-tech firms have been early adopters of PEV workplace charging and studies indicate PEV ownership is currently correlated with higher incomes and levels of education.³

6. Map of multi-unit dwellings (MUDs) by number of units and PEV registration density. Planners can use the maps to compare spatial distributions of MUD density with the numbers of PEVs that are registered in the surrounding neighborhoods. These maps can suggest areas where demand for PEVs may exist at MUDs but is constrained due to lack of residential charging opportunities. Mapping the precise location of MUDs and knowing the density of units on a site will be of particular use in utility planning. Utilities can use such maps to anticipate where upgrades may be needed for transformers and distribution stations to accommodate PEV charging at MUDs.⁴

¹ Cities that did not have 40 workplaces listed in employer databases have fewer than 40 locations represented on the map.

² In cities where there were fewer than 40 workplaces listed in the South Coast Air Quality Management's Rule 2202 database or in Infogroup's commercially available business database, fewer than 40 workplaces are listed. Workplaces that may be significant but that are not listed in the Rule 2202 database or the Infogroup ranking, or that are listed as having more than 250 employees in Infogroup's ranking but that are not listed in the Rule 2202 database, are listed separately.

³ Information on high-tech and white-collar is provided where available from Infogroup's database. The UCLA Luskin Center has made an effort to reclassify companies as appropriate.

⁴ Maps of MUDs may not be available for cities in which MUDs were not mapped by SCAG during its 2005 land use update.

7. Table of top 20 MUD buildings listed in each city⁵ by number of units. Planners can use these tables to identify specific buildings and/or MUD owners that could potentially host charging on-site. While most early PEV adopters reside in single-family homes due to the lower physical and institutional barriers associated with single-family charging, MUDs could represent substantial middle-market PEV demand. In addition, due to the substantial physical and institutional barriers involved in MUD charging, reforms to building codes and permitting practices will require a more focused effort in cities where MUDs make up a large share of parking opportunities.

In addition to the sheer number of dwelling units/potential PEV parking spaces, planners can use the other attributes in the table to assess potential demand for PEV charging at an MUD. PEV density (high or medium) indicates the relative quantity of PEVs that are registered to residences in the neighborhood where the MUD is located. The year built could indicate such cost factors as parking configuration and the extent of electrical panel upgrades and rewiring that may be needed. Whether the MUD is a condominium could indicate possible institutional barriers to installing PEV charging due to deeded or assigned parking. However, condominiums experience less turnover than rental properties and unit owners may be more likely to install hardware for their long-term use. High average unit values may also indicate higher demand for PEV charging.

8. Map of retail destinations, from strip development to regional centers. Many PHEV drivers find it valuable to charge when visiting retail destinations in order to maximize electric miles driven. After locating general categories of retail charging opportunities on the map, planners can turn to Chapter 8 of the [Southern California PEV Readiness Plan](#) for more detailed descriptions of how long cars are typically parked at specific types of retail destinations.

9. Map of retail destinations overlaid with PEV mid-day travel, providing spatial retail PEV density at or near retail centers. Planners and utilities can use these maps to assess potential for retail charging by comparing the spatial distribution of retail centers and mid-day travel destinations (9:00 a.m. to 3:00 p.m.) for PEVs.

10. Table of top 40 retailers listed in each city by annual retail sales (in thousands). PEV density (high or medium) indicates the relative quantity of PEVs that are parked during mid-day hours (9:00 a.m. to 3:00 p.m.) in the neighborhood in which the retailer is located. Retailers with the highest sales may be in the best position to absorb the costs of providing PEV charging as an amenity, and may experience the highest utilization rates. Large retailers that were not listed in Infogroup's 2008 database and therefore could not be ranked according to sales are listed separately. Also separated are gas stations with high sales volume that may be good candidates to host fast charging at a point in time when PEVs can be fueled as quickly as conventional vehicles.

⁵ Rolling Hills and Rolling Hills Estates have been omitted due to lack of verified MUDs.

11. Map of publicly-accessible charging locations, identified by power level and number of stations per location.⁶ Planners can use these maps to compare the location of existing publicly-accessible charge stations with the locations of employment centers, retail centers and PEV daytime destinations, also mapped at the city level in the Appendix. The maps can also be used to identify where there are gaps in meeting demand for charging. For MUDs that do not have parking, publicly-accessible sites will become important charging options. The maps identify the number of charging units/cords available at each location along with the level of service (Level 1, Level 2, etc., or “Unknown” where there is charging available but the quantity of connectors and their level of service could not be immediately determined). The maps are based on information collected during the summer and fall of 2012.

12. Map of stand-alone parking facilities. Publicly-accessible parking facilities can fill a gap in PEV charging, particularly in older urban cores where retail stores and even some workplaces and multi-unit dwellings do not have dedicated parking. Park and ride lots in particular may substitute for Level 1 workplace charging if workers leave their PEVs parked all day. Parking lots and structures greater than 2.5 acres that are not attached to other land uses, where they exist, are mapped at the city level.⁷

⁶ Maps of publicly-accessible charging stations have been omitted for some cities because stations in those cities were not listed in public charge station databases during the summer and fall of 2012.

⁷ Maps of stand-alone parking facilities have been omitted for some cities because they did not contain stand-alone parking facilities of this size at the time of the Southern California Association of Governments’ 2005 land use update.

Largest workplaces in neighborhoods of high PEV density during weekday mornings, South Bay Cities subregion										
	Company	Address	City	ST	ZIP	Type	Employees	High Tech	White Collar	
1	Boeing Satellite Systems	1950 E Imperial Hwy	El Segundo	CA	90245	Other Guided Missile & Space Vehicle Parts	4,899	Y	Y	
2	Torrance Memorial Medical Center	3330 Lomita Blvd	Torrance	CA	90505	Offices of Physicians, Except Mental Health	3,018	N	Y	
3	Aero Space Corp	2350 E El Segundo Blvd	El Segundo	CA	90245		2,820	Y*	Y*	
4	Directv Inc	2230 East Imperial Highway	El Segundo	CA	90245	All Other Plastics Prod Mfg	1,823	Y	Y	
5	Mattel Inc	333 Continental Blvd	El Segundo	CA	90245	All Other Rubber Prod Mfg	1,609	N	N	
6	American Honda Motor Co	1919 Torrance Blvd	Torrance	CA	90501	Process & Logistics Consulting Svcs	1,602	N	Y	
	Space Exploration Technologies	1 Rocket Road	Hawthorne	CA	90250		1,186	Y*	Y*	
7	BP-Arco	2350 E 223rd St	Carson	CA	90810		1,075			
8	Robinson Helicopter Co Inc	2901-31 Airport Dr	Torrance	CA	90505	Aircraft Mfg	961	Y	Y	
9	Herbalife International of America	950 190th St	Torrance	CA	90502	Offices of Misc Health Practitioners	939	N	Y	
10	Hi-Shear Corporation	2600 Skypark Dr	Torrance	CA	90509	Inorganic Dye & Pigment Mfg	865	N	N	
11	Rhythm & Hues, Inc	2100 E Grand Ave	El Segundo	CA	90245		704		N	
12	L-3 Communications Electron Tech Inc	3100 W Lomita Blvd	Torrance	CA	90505	Search, Detection, & Navigation Instruments	621	Y	Y	
13	Moog, Inc	20263 S Western Ave	Torrance	CA	90501	Search, Detection, & Navigation Instruments	445	Y	Y	
14	Leiner Health Products	901 E 233rd St	Carson	CA	90745		381			
15	Virco Mfg Corp	2027 Harpers Blvd	Torrance	CA	90501	Institutional Furniture Mfg	372	N	N	
16	Teledyne Controls	501 Continental Blvd	El Segundo	CA	90245		371		N	
17	Costco Wholesale	2751 Skypark Dr	Torrance	CA	90505	All Other Health & Personal Care Stores	368	N	N*	
18	Wal-Mart	19503 S Normandie Ave	Torrance	CA	90501		338	N*	N*	
19	R. R. Donnelley & Sons Co	19681 Pacific Gateway Dr	Torrance	CA	90502		337			
20	Huck Intl Inc. DBA Alcoa Fastening Sys.	900 Watson Center Rd	Carson	CA	90745		331			

*Reclassified by the Luskin Center

Largest workplaces in neighborhoods of medium PEV density during weekday mornings, South Bay Cities subregion							
	Company	Address	City	Type	Employees	High Tech	White Collar
1	Raytheon Company	2000 E El Segundo 2101 Blvd	El Segundo		7,110	Y*	Y
2	L.A. County Harbor-UCLA Medical Center	1000 W Carson ST	Torrance		3,699		
3	Prov Health Sys/Little Co Mary Medical Center	4101 Torrance Blvd	Torrance		1,997		
4	Honeywell International Inc	2525 W 190th St	Torrance	Other Nonferrous Foundries, Exc Die-Casting	1,200	Y*	Y*
5	Alcoa Global Fasteners, Inc	3000 W Lomita Blvd	Torrance	Hardware Merchant Whols	990	N	Y
6	Torrance City	3031 Torrance Blvd	Torrance	Executive Offices	980	N	N
7	Redondo Beach City	415 Diamond St	Redondo Beach	Legislative Bodies	695	N	N
8	ExxonMobil Oil Company	3700 W 190th St	Torrance	Petroleum Refineries	680	N	Y
9	International Rectifier Corp	222-348 Kansas St	El Segundo	Misc Electrical Equip Mfg	558	Y	Y*
10	Pelican Products	23215 Early Ave	Torrance	Other Lighting Equip Mfg	466	N	N
11	Southern Section Lifeguard	1200 the Strand	Hermosa Beach	Legislative Bodies	454	N	N
12	US Post Office	955 Deep Valley Dr	Rolling Hls Ests	Postal Svc	300	N	N
13	El Segundo Parks & Recreation	401 Sheldon St	El Segundo	Nature Parks & Other Similar Institutions	230	N	N
14	Bel Air Patrol	21171 S Western Ave	Torrance	Electric Equip & Wiring Merchant Whols	201	N	Y
15	Classic Components Corp	23605 Telo Ave	Torrance	Other Electronic Parts Merchant Whols	201	N	Y
16	Durham School Svc	16627 Avalon Blvd # A	Carson	School & Employee Bus Transportation	200	N	N
17	Satco Inc	1601 E El Segundo Blvd	El Segundo	All Other Durable Goods Merchant Whols	200	N	Y
18	Avega Health Systems Inc	200 N Sepulveda Blvd # 600	El Segundo	Custom Computer Programming Svcs	200	Y	Y
19	Team One Advertising	1960 E Grand Ave # 700	El Segundo	Advertising Agencies	200	N	Y
20	Southwest Offset Printing	13650 Gramercy Pl	Gardena	Commercial Lithographic Printing	200	N	N

*Reclassified by the Lusklin Center

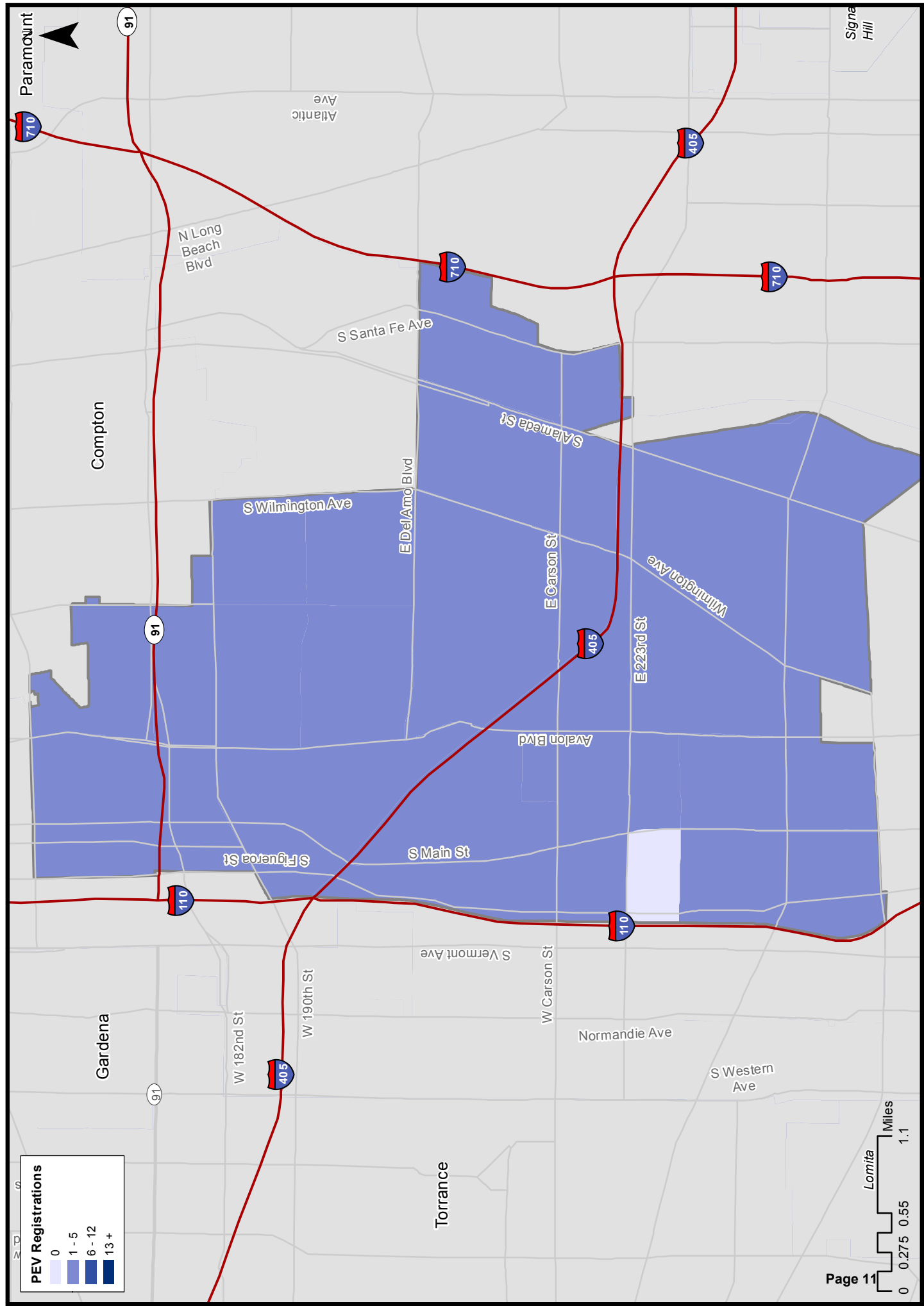
Largest multi-unit dwellings in neighborhoods of high PEV registration, South Bay Cities subregion								
	Address	City	ST	ZIP	Units	Condo	Year Built	Average Value/Unit
1	415 Herondo St	Hermosa Beach	CA	90254	286	N	1973	\$249,187
2	2442 Pacific Coast Hwy	Torrance	CA	90717	91	N	1963	\$46,022
3	25940 Rolling Hills Rd	Torrance	CA	90505	77	N	1971	\$38,288
4	3107 Newton St	Torrance	CA	90505	76	N	1969	\$33,280
5	6600 Beachview Dr	Rancho Palos Verdes	CA	90275	57	N	1970	\$273,789
6	6568 Beachview Dr	Rancho Palos Verdes	CA	90275	57	N	1970	\$273,789
7	32636 Nantasket Dr	Rancho Palos Verdes	CA	90275	53	N	1968	\$588,906
8	3400 N Valley Dr	Manhattan Beach	CA	90266	48	N	1991	\$94,418
9	420 2nd St	Hermosa Beach	CA	90254	44	N	1971	\$1,497,545
10	25220 Tandem Way	Torrance	CA	90505	43	N	1963	\$333,357
11	1910 Manhattan Beach Blvd	Redondo Beach	CA	90278	40	N		\$106,846
12	26130 Narbonne Ave	Lomita	CA	90717	39	Y	1975	\$350,000
13	1150 Tennyson St	Manhattan Beach	CA	90266	38	N	1963	\$124,604
14	2205 Farrell Ave	Redondo Beach	CA	90278	36	N	1972	\$113,711
15	3650 Newton St	Torrance	CA	90505	36	N	1963	\$41,791
16	1900 Dufour St	Redondo Beach	CA	90278	33	N	1970	\$121,671
17	25909 Rolling Hills Rd	Torrance	CA	90505	30	N	1970	\$120,133
18	1601 Artesia Blvd	Manhattan Beach	CA	90266	21	N		\$21,909
19	24065 Neece Ave	Torrance	CA	90505	21	N	1968	\$33,455
20	2110 Farrell Ave	Redondo Beach	CA	90278	20	N	1970	\$103,240

Largest multi-unit dwellings in neighborhoods of medium PEV registration, South Bay Cities subregion								
	Address	City	ST	ZIP	Units	Condo	Year Built	Average Value/Unit
1	6728 Los Verdes Dr	Rancho Palos Verdes	CA	90275	136	N	1970	\$116,174
2	6910 Los Verdes Dr	Rancho Palos Verdes	CA	90275	132	N	1972	\$120,103
3	5520 W 190th St	Torrance	CA	90503	122	N	1971	\$87,524
4	1780 Plaza Del Amo	Torrance	CA	90501	116	N	1963	\$66,791
5	1304 Park View Ave	Manhattan Beach	CA	90266	104	N	1997	\$30,569
6	1300 Park View Ave	Manhattan Beach	CA	90266	104	N	1997	\$40,944
7	6700 Los Verdes Dr	Rancho Palos Verdes	CA	90275	97	N	1969	\$146,341
8	5711 Ravenspur Dr	Rancho Palos Verdes	CA	90275	88	N	1970	\$57,360
9	512 Avenue G	Redondo Beach	CA	90277	78	N	1964	\$114,533
10	28125 Peacock Ridge Dr	Rancho Palos Verdes	CA	90275	76	N	1971	\$263,510
11	5530 W 190th St	Torrance	CA	90503	70	N	1972	\$31,198
12	5762 Ravenspur Dr	Rancho Palos Verdes	CA	90275	69	N	1964	\$108,232
13	4001 W 242nd St	Torrance	CA	90505	60	N	1959	\$38,730
14	1735 Lincoln Ave	Torrance	CA	90501	57	N	1963	\$35,694
15	6507 Ocean Crest Dr	Rancho Palos Verdes	CA	90275	57	N	1973	\$237,284
16	1721 Aviation Blvd	Redondo Beach	CA	90278	54	N	1969	\$105,626
17	28129 Peacock Ridge Dr	Rancho Palos Verdes	CA	90275	54	N	1971	\$144,623
18	28151 Highridge Rd	Rancho Palos Verdes	CA	90275	53	N	1972	\$143,605
19	1821 Pacific Coast Hwy	Hermosa Beach	CA	90254	52	N	1972	\$197,175
20	3929 W 242nd St	Torrance	CA	90505	48	N	1961	\$156,060

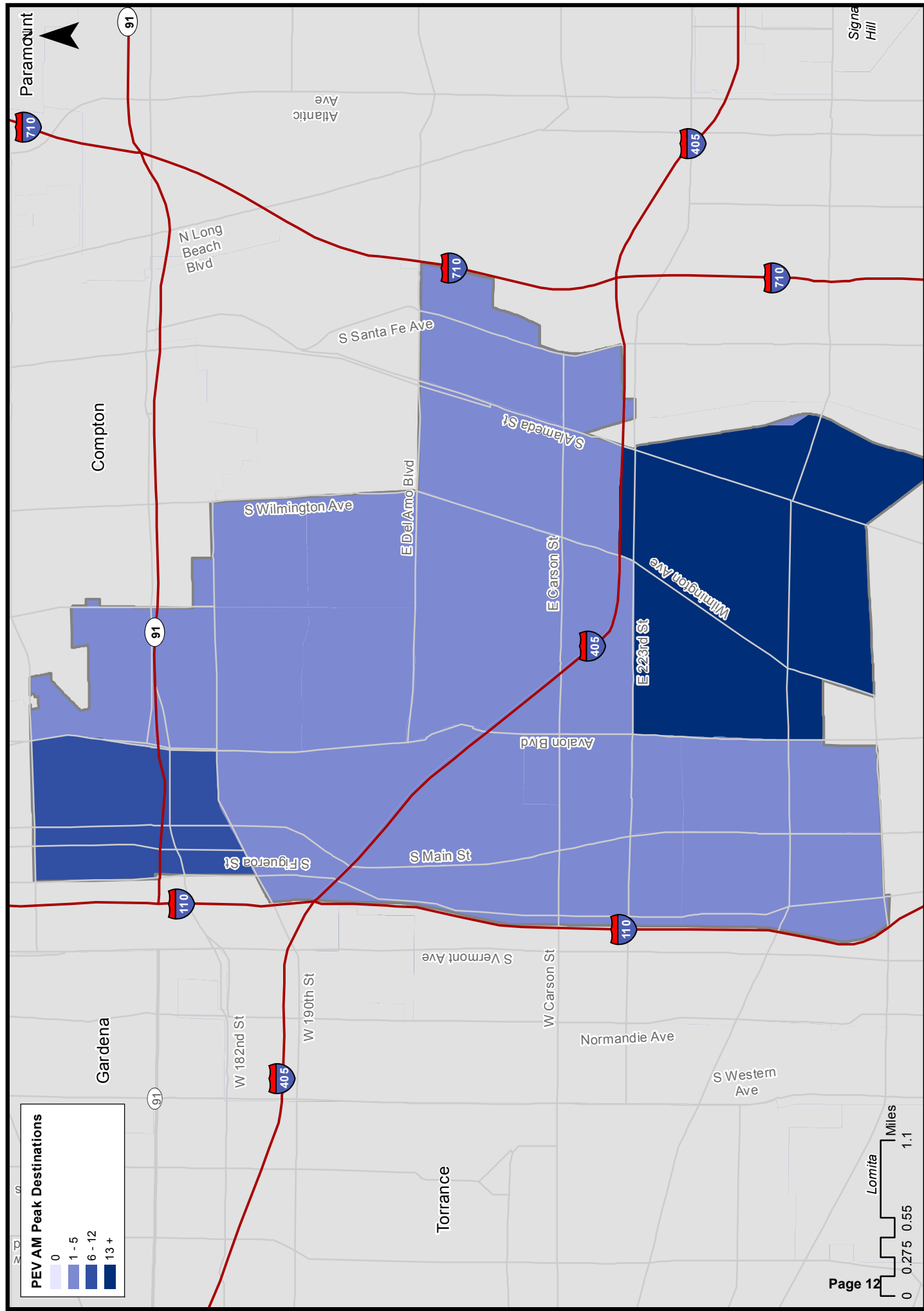
Largest retailers (by sales) in neighborhoods of high mid-day PEV density, South Bay Cities subregion				
	Company	Address	City	Annual Sales Volume (in thousands)
1	Fry's Electronics	3600 S Sepulveda Blvd	Manhattan Beach	\$90,440
2	Nordstrom	1835 Hawthorne Blvd	Redondo Beach	\$56,700
3	Pacific Sales Inc	2080 Washington Ave	Torrance	\$55,600
4	Auto Nation Infinity	3035 Pacific Coast Hwy	Torrance	\$54,976
5	Power Acura South Bay	25341 Crenshaw Blvd	Torrance	\$51,540
6	Torrance Toyota	2955 Pacific Coast Hwy	Torrance	\$45,000
7	Macy's	3400 N Sepulveda Blvd	Manhattan Beach	\$40,500
8	Best Buy	3675 Pacific Coast Hwy	Torrance	\$39,729
9	La Car Guy	2900 Pacific Coast Hwy	Torrance	\$34,360
10	Ted Green Chevrolet	23505 Hawthorne Blvd	Torrance	\$32,642
11	Ralphs	2700 N Sepulveda Blvd	Manhattan Beach	\$30,875
12	Kohl's Department Store	25375 Crenshaw Blvd	Torrance	\$29,970
13	Costco	2451 Skypark	Torrance	\$29,970
14	Ralphs	1413 Hawthorne Blvd	Redondo Beach	\$27,170
15	Martin Chevrolet	23505 Hawthorne Blvd	Torrance	\$27,100
16	Whole Foods Market	405 N Pacific Coast Hwy	Redondo Beach	\$25,441
17	Marriott-Manhattan Beach	1400 Park View Ave	Manhattan Beach	\$19,600
18	REI	1800 Rosecrans Ave # E	Manhattan Beach	\$18,500
19	Mervyns	1799 Hawthorne Blvd	Redondo Beach	\$17,010
20	Barnes & Noble Booksellers	1815 Hawthorne Blvd # 332	Redondo Beach	\$10,640

Largest retailers (by sales) in neighborhoods of medium mid-day PEV density, South Bay Cities subregion				
	Company	Address	City	Annual Sales Volume (in thousands)
1	Target	1200 N Sepulveda Blvd	Manhattan Beach	\$69,540
2	Target	3433 Sepulveda Blvd	Torrance	\$64,050
3	Power Volvo South Bay	3010 Pacific Coast Hwy	Torrance	\$55,835
4	Lexus South Bay	3215 Pacific Coast Hwy	Torrance	\$51,540
5	Bristol Farms	837 Silver Spur Rd	Rolling Hls Ests	\$45,695
6	Mercedes-Benz of South Bay	3233 Pacific Coast Hwy	Torrance	\$42,400
7	Pavilions	7 Peninsula Ctr	Rolling Hls Ests	\$37,050
8	Integrated Data Svc	2141 Rosecrans Ave # 2050	El Segundo	\$36,358
9	Pacific Porsche	2900 Pacific Coast Hwy	Torrance	\$34,360
10	South Bay BMW	18800 Hawthorne Blvd	Torrance	\$34,360
11	Whole Foods Market	2655 Pacific Coast Hwy	Torrance	\$30,875
12	Land Rover South Bay	900 N Pacific Coast Hwy	Redondo Beach	\$30,065
13	Albertsons	1516 S Pacific Coast Hwy	Redondo Beach	\$29,640
14	Dolb's International Svc Inc	444 N Nash St # 237	El Segundo	\$26,000
15	Jaguar of South Bay	3111 Pacific Coast Hwy	Torrance	\$25,000
16	Ralphs	500 N Sepulveda Blvd	El Segundo	\$24,700
17	Ralphs	2909 Rolling Hills Rd	Torrance	\$24,700
18	Albertsons	21035 Hawthorne Blvd	Torrance	\$22,230
19	Awr Corp	1960 E Grand Ave # 430	El Segundo	\$20,580
20	Abercrombie & Fitch	550 Deep Valley Dr # 189	Rolling Hls Ests	\$15,810

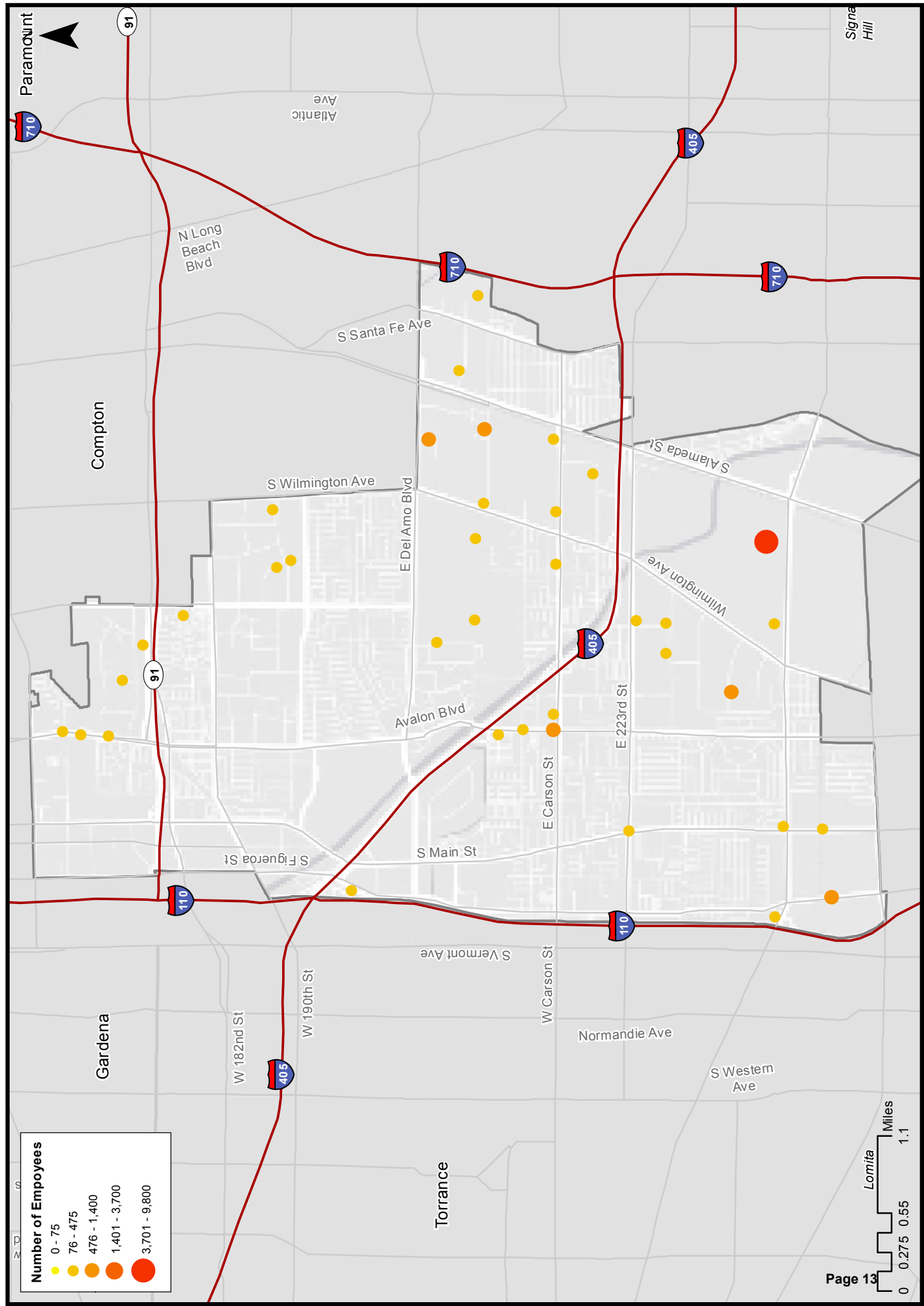
Carson: Plug-in Electric Vehicle Registrations



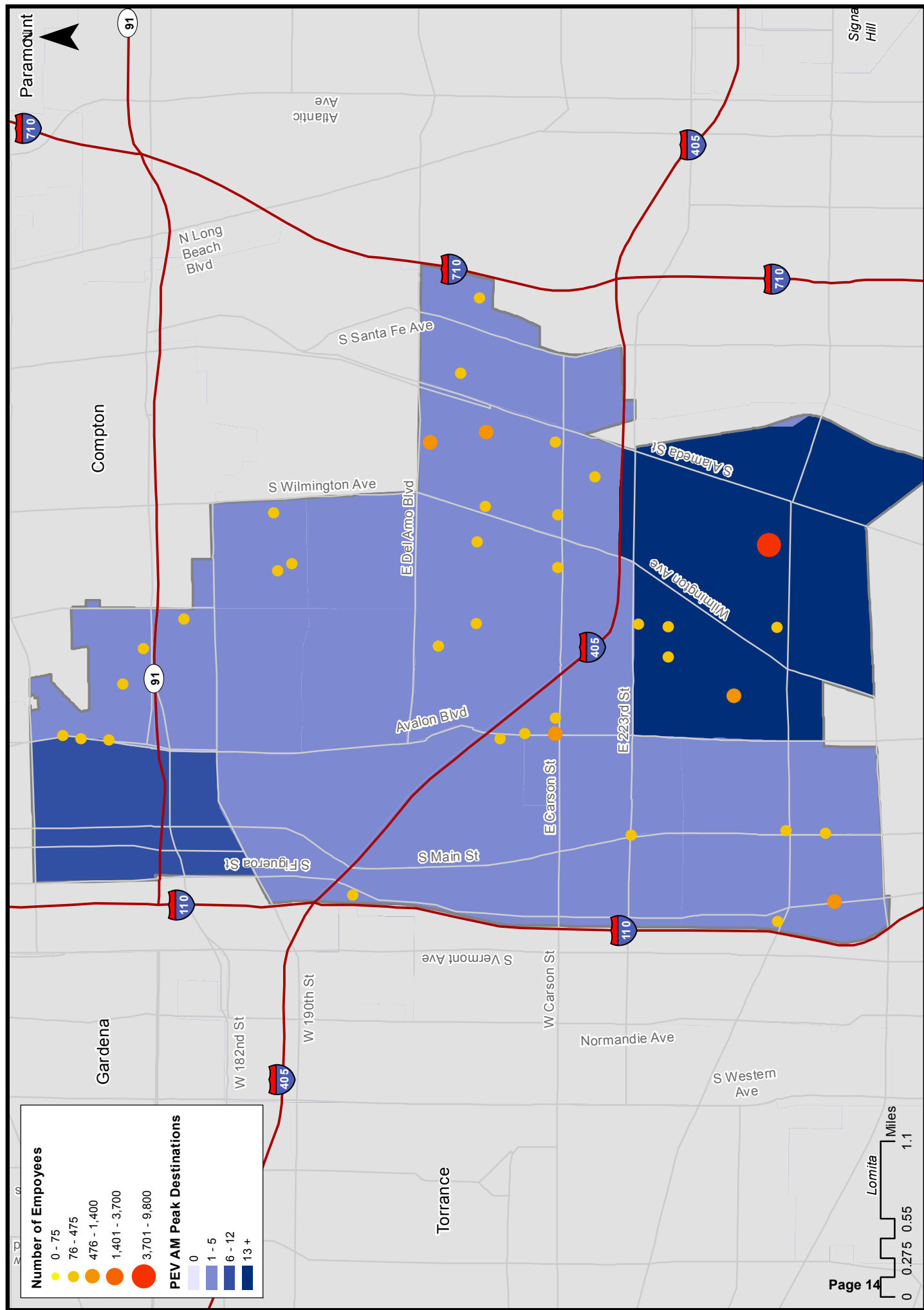
Carson: Plug-in Electric Vehicle Morning Peak Destinations



Carson: Top Workplaces by Number of Employees



Carson: PEV Morning Peak Destinations and Top Workplaces

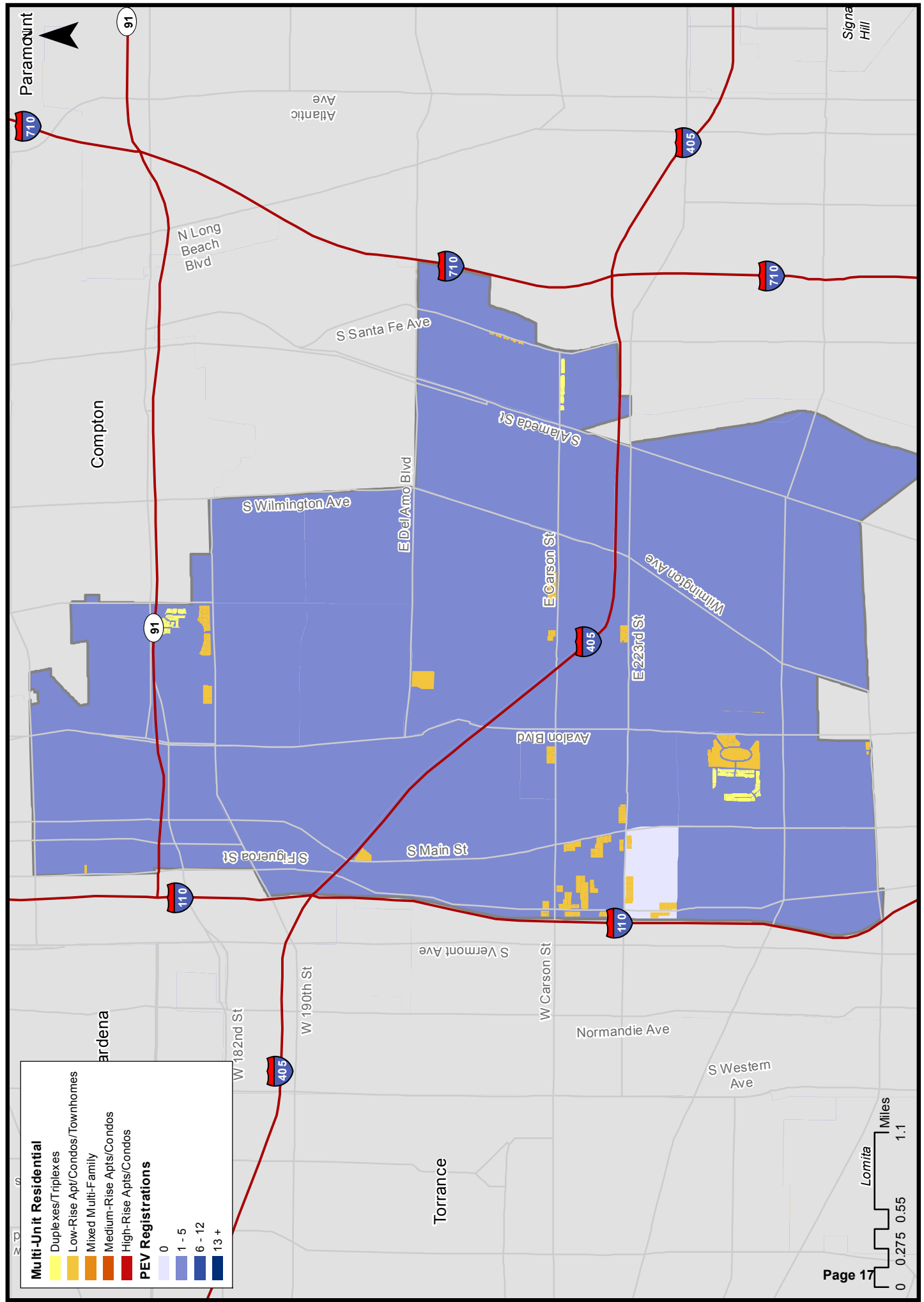


Carson: Top Employers										
	Company	Address	City	ST	ZIP	Type	Employees	PEV Density	High Tech	White Collar
1	CSU Dominguez Hills	1000 E Victoria St	Carson	CA	90747	Colleges & Universities	1,425		N	Y
2	BP-Arco	2350 E 223rd St	Carson	CA	90810		1,075	H		
3	Northrop Grumman	1800 Glenn Curtiss St	Carson	CA	90746	Computer Systems Design Svcs	814		N	Y
4	Lakeshore Learning Materials	2695 E Dominguez St	Carson	CA	90749		491			
5	Home Depot	18400 Avalon Blvd	Carson	CA	90746	Residential Remodelers	463		N*	N*
6	LA County Sanitation	24501 Figueroa St	Carson	CA	90745	Other Nonhazardous Waste Disposal	435		N	N
7	Leiner Health Products	901 E 233rd St	Carson	CA	90745		381	H		
8	See's Candies	20600 S Alameda St	Carson	CA	90810	Confectionery & Nut Stores	377		N	Y
9	Huck Intl Inc. DBA Alcoa Fastening Sys.	900 Watson Center Rd	Carson	CA	90745		331	H		
10	Target	651 W Sepulveda Blvd	Carson	CA	90745	Department Stores, Except Discount	250		N	N*
11	L A County Sheriff Sta-Carson	21356 Avalon Blvd	Carson	CA	90745	Police Protection	240		N	N
12	Carson High School	22328 Main St	Carson	CA	90745	Elementary & Secondary Schools	215		N	Y
13	Anemostat	1220 E Watson Center Rd	Carson	CA	90745		200	H	N	N
14	Home Depot	110 E Sepulveda Blvd	Carson	CA	90745	Residential Remodelers	200		N	N*
15	Puritan Bakery	1624 E Carson St	Carson	CA	90745	Commercial Bakeries	200		N	N
16	Idea Tooling	20601 Annalee Ave	Carson	CA	90746	All Other Plastics Prod Mfg	200		N	N
17	Ability/Tri-Modal Trnsprtn Svc	2011 E Carson St	Carson	CA	90810	Other Specialized Trucking, Long-Distance	200		N	N
18	Durham School Svc	16627 Avalon Blvd # A	Carson	CA	90746	School & Employee Bus Transportation	200	M	N	N
19	Carson Center	801 E Carson St	Carson	CA	90745	Food Svc Contrs	200		N	N
20	Carlisle Tire & Wheel Co	1906 E Dominguez St	Carson	CA	90810	Tire Mfg, Except Retreading	197		N	Y
21	Enkeboll Designs	16506 Avalon Blvd	Carson	CA	90746	Marketing Consulting Svcs	182		N	N
22	Southwire Co	2630 E El Presidio St	Carson	CA	90810	Metal Merchant Whols	170		N	Y
23	K T's Kitchens Inc	1065 E Walnut St	Carson	CA	90746	Mayonnaise, Dressing, & Sauce Mfg	150		N	N
25	Herbalife	930 E 233rd St	Carson	CA	90745	Medicinal & Botanical Mfg	150	H	N	Y
26	kole Imports	24600 Main St	Carson	CA	90745	All Other Durable Goods Merchant Whols	150		N	Y
27	Perfect Fit Enterprises	17150 Margay Ave	Carson	CA	90746	All Other Durable Goods Merchant Whols	150		N	Y
28	Beach Patrol Inc	1165 E 230th St	Carson	CA	90745	Clothing Accessories Stores	150	H	N	Y
29	Monogram Systems	1500 Glenn Curtiss St	Carson	CA	90746	Marketing Consulting Svcs	150		N	Y
30	Carson Toyota	1333 E 223rd St	Carson	CA	90745	New Car Dealers	150		N	Y
31	Hankyu International Transport	1561 Beachy Pl	Carson	CA	90746	Other Specialized Trucking, Long-Distance	150		N	N
32	Shell Oil Products US	20945 S Wilmington Ave	Carson	CA	90810	Petroleum Refineries	150		N	Y
33	Rodgers & Mcdonald Printing	1020 E 230th St	Carson	CA	90745	Commercial Lithographic Printing	140	H	N	N
34	Dolores Street Elementary Schl	22526 Dolores St	Carson	CA	90745	Elementary & Secondary Schools	125		N	Y
35	Avalon Glass & Mirror Co	642 Alondra Blvd	Carson	CA	90746	Flat Glass Mfg	120		N	Y
36	J B Dental Supply Co	17000 Kingsview Ave	Carson	CA	90746	Dental Equip & Supplies Mfg	110		N	Y
37	Giuliano's Delicatessen Inc	1117 E Walnut St	Carson	CA	90746	Other Grocery Prod Merchant Whols	110		N	N
38	Carnegie Middle School	21820 Bonita St	Carson	CA	90745	Elementary & Secondary Schools	105		N	Y
39	Cosmi Corp	1351 Charles Willard St	Carson	CA	90746	Computer & Software Stores	100	M	Y	Y
40	Cosway Co Inc	20633 S Fordyce Ave	Carson	CA	90810	Druggists' Goods Merchant Whols	100		N	Y
INFOUSA Over 250										
1	NYK Logistics	2350 E Dominguez St	Carson	CA	90810	General Warehousing & Storage	700		N	N
2	NBTY Inc	901 E 233rd St	Carson	CA	90745	All Other Misc Food Mfg	500	H	Y	Y

3	Anheuser-Busch Sales Beach	20499 S Reeves Ave	Carson	CA	90810	Beer & Ale Merchant Whols	500		N	Y
4	Carson City Hall	701 E Carson St	Carson	CA	90745	Executive Offices	500		N	N
5	United Warehouse & Distr Corp	2417 E Carson St	Carson	CA	90810	Freight Transportation Arrangement	400		N	Y
6	Pepsi-Cola Co	19700 Figueroa St	Carson	CA	90745	Soft Drink Mfg	345		N	N
7	Porteous Fastener Co	1040 E Watson Center Rd	Carson	CA	90745	Bolt, Nut, Screw, Rivet & Washer Mfg	320	H	N	N*
8	Car Pros Chrysler Jeep	21126 Avalon Blvd	Carson	CA	90745	New Car Dealers	300		N	Y
9	Cedarlane Foods	1135 E Artesia Blvd	Carson	CA	90746	Supermarkets & Other Grocery Stores	300		N	N*
10	SOURCECORP	20500 Belshaw Ave	Carson	CA	90746	All Other Business Support Svcs	300		N	Y
11	Media Direct	1330 E 223rd St	Carson	CA	90745	Consumer Electronics Repair & Maintenance	300	H	N	N
12	National Emblem Inc	17036 Avalon Blvd	Carson	CA	90746	All Other Misc Textile Prod Mills	280		N	N
13	Texollini Inc	2575 E El Presidio St	Carson	CA	90810	Other Textile & Fabric Finishing Mills	250		N	Y
14	ACS Education Svc	2277 E 220th St	Carson	CA	90810	Consumer Lending	250		N*	Y

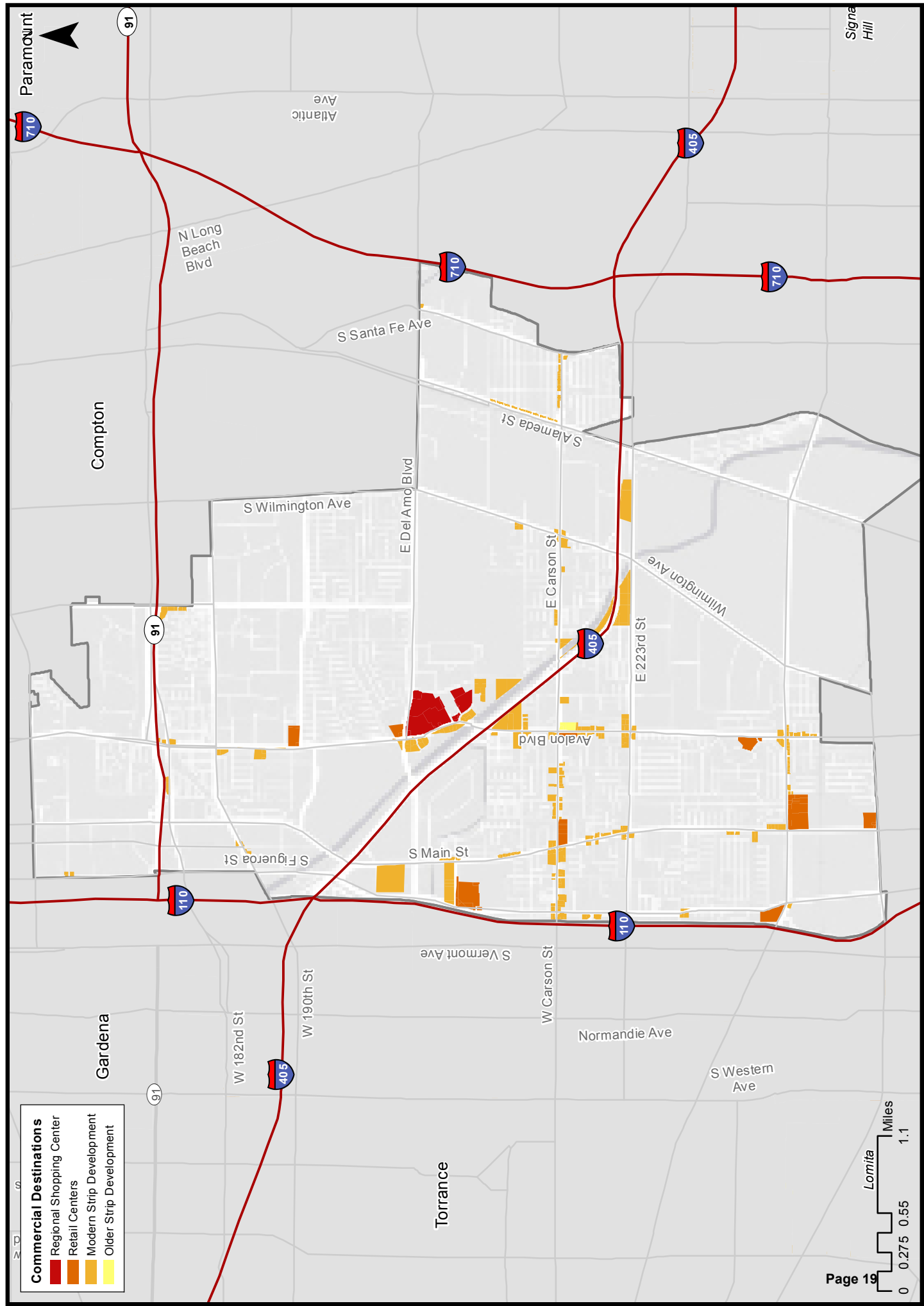
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Carson: Multi-Unit Residential and PEV Registrations

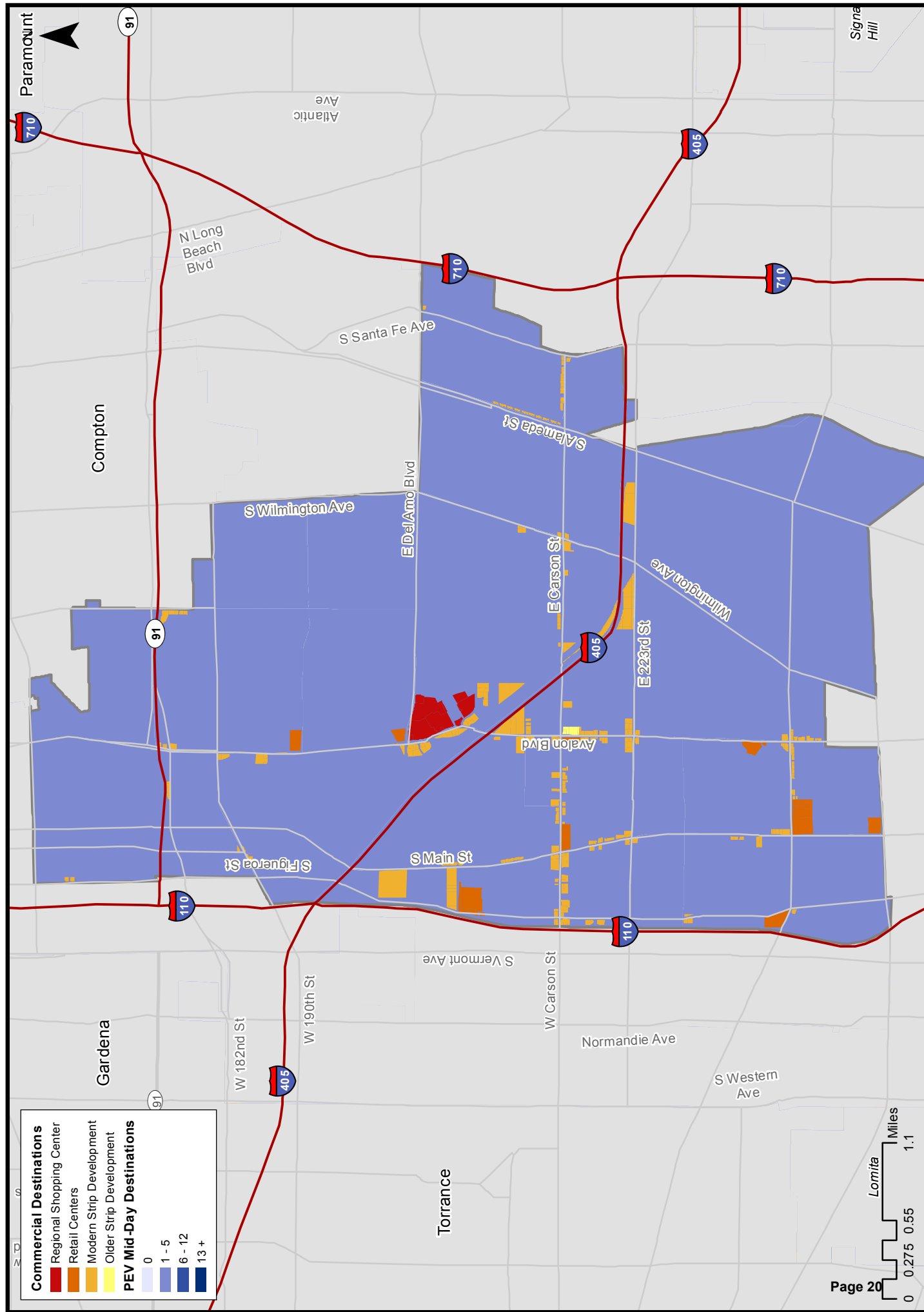


Carson: Top Multi-Unit Dwellings									
	Address	City	ST	ZIP	Units	Condo	Year Built	Average Value/Unit	PEV Density
1	20432 Leapwood Ave	Carson	CA	90746	304	N	1969	\$23,321	
2	401 E 234th St	Carson	CA	90745	132	Y	1944	\$108,382	
3	23201 Anchor Ave	Carson	CA	90745	131	Y	1944	\$311,078	
4	21811 Main St	Carson	CA	90745	101	N	1980	\$43,336	
5	849 E Victoria St	Carson	CA	90746	96	Y	1981	\$244,626	
6	22121 Avalon Blvd	Carson	CA	90745	93	N	1995	\$25,084	
7	1551 E Carson St	Carson	CA	90745	74	N	1972	\$21,441	
8	22031 Main St	Carson	CA	90745	67	Y	1988	\$148,177	
9	632 E 219th St	Carson	CA	90745	63	N	2000	\$71,611	
10	401 W 220th St	Carson	CA	90745	61	Y	1986	\$178,347	
11	21740 Figueroa St	Carson	CA	90745	59	N	1972	\$17,638	
12	21901 Moneta Ave	Carson	CA	90745	59	Y	1984	\$224,976	
13	228 W Carson St	Carson	CA	90745	57	N	1962	\$12,028	
14	330 W 223rd St	Carson	CA	90745	50	N	1964	\$73,960	
15	535 E Carson St	Carson	CA	90745	47	N	1999	\$211,915	
16	546 W 219th St	Carson	CA	90745	47	Y	1989	\$189,278	
17	22123 Figueroa St	Carson	CA	90745	47	Y	1988	\$158,082	
18	545 E Carson St	Carson	CA	90745	45	N	1999	\$168,737	
19	21735 Main St	Carson	CA	90745	45	N	1992	\$48,276	
20	400 W Carson St	Carson	CA	90745	41	N	1963	\$83,162	

Carson: Commercial (Retail) Destinations



Carson: PEV Mid-Day Destinations and Commercial (Retail) Locations



Carson: Top Retailers							Annual Sales Volume (in thousands)		PEV Density
	Company	Address	City	ST	ZIP	NAICS Code	Type		
1	Carson Toyota	1333 E 223rd St	Carson	CA	90745	44111001	New Car Dealers	\$128,850	
2	Carson Honda	1435 E 223rd St	Carson	CA	90745	44111001	New Car Dealers	\$85,900	
3	Superior Nissan of Carson	1505 E 223rd St	Carson	CA	90745	44111001	New Car Dealers	\$85,900	
4	Cedarlane Foods	1135 E Artesia Blvd	Carson	CA	90746	44511002	Supermarkets & Other Grocery Stores	\$74,100	
5	Target	651 W Sepulveda Blvd	Carson	CA	90745	45211001		\$46,665	
6	Auto Fiesta	22606 S Alameda St	Carson	CA	90810	44111001	New Car Dealers	\$34,360	
7	Car Pros Kia	21243 Avalon Blvd	Carson	CA	90745	44111001	New Car Dealers	\$34,360	
8	Mercedes-Benz of North America	22707 Wilmington Ave	Carson	CA	90745	44111001	New Car Dealers	\$34,360	
9	Cosmi Corp	1351 Charles Willard St	Carson	CA	90746	44312007	Computer & Software Stores	\$34,300	
10	Carson Chrysler Inc	21126 Avalon Blvd	Carson	CA	90745	44111001	New Car Dealers	\$32,642	
11	Media Direct	1330 E 223rd St	Carson	CA	90745	81121111	Consumer Electronics Repair & Maintenance	\$28,500	
12	Payless Foods	23501 Avalon Blvd	Carson	CA	90745	44511003	Supermarkets & Other Grocery Stores	\$25,000	
13	Albertsons	110 E Carson St	Carson	CA	90745	44511003	Supermarkets & Other Grocery Stores	\$24,700	
14	Beach Patrol Inc	1165 E 230th St	Carson	CA	90745	44815039	Clothing Accessories Stores	\$23,250	
15	Contractors' Warehouse	17600 S Main St	Carson	CA	90746	44419072	Other Building Material Dealers	\$17,500	
16	Bestway Supermarket	129 E Lomita Blvd	Carson	CA	90745	44511003	Supermarkets & Other Grocery Stores	\$17,290	
17	Ralphs	650 E Carson St	Carson	CA	90745	44511003	Supermarkets & Other Grocery Stores	\$17,290	
18	Avalon Lincoln Mercury	21140 Avalon Blvd	Carson	CA	90745	44111001	New Car Dealers	\$15,462	
19	Carson Center	801 E Carson St	Carson	CA	90745	72231001	Food Svc Contrs	\$15,200	
20	Seafood City Supermarket	131 W Carson St	Carson	CA	90745	44511003	Supermarkets & Other Grocery Stores	\$13,585	
21	See's Candies	20600 S Alameda St	Carson	CA	90810	44529202	Confectionery & Nut Stores	\$11,900	
22	Best Way Super Markets	20226 Avalon Blvd	Carson	CA	90746	44511003	Supermarkets & Other Grocery Stores	\$11,115	
23	Cruise America Motorhome Rntl	2233 E 223rd St	Carson	CA	90810	44112005	Used Car Dealers	\$10,736	
24	Johnson Window Films	20655 Annalee Ave	Carson	CA	90746	81119822	All Other Automotive Repair & Maintenance	\$10,575	
25	El Camino District Parks	419 E 192nd St	Carson	CA	90746	71219004	Nature Parks & Other Similar Institutions	\$8,700	
26	Ralphs	619 E University Dr	Carson	CA	90746	44511003	Supermarkets & Other Grocery Stores	\$8,645	
27	C & C Imports	17000 Kingsview Ave	Carson	CA	90746	81142013	Reupholstery & Furniture Repair	\$8,460	
28	Pep Boys	810 E Dominguez St	Carson	CA	90746	44131011	Automotive Parts & Accessories Stores	\$6,435	
29	Lee Armstrong Co	1300 E 223rd St # 404	Carson	CA	90745	44221010	Floor Covering Stores	\$5,900	
30	Carson Auto Sales	451 E Carson Plaza Dr	Carson	CA	90746	44112005	Used Car Dealers	\$4,697	
31	New US Golf Inc	2055 E 223rd St	Carson	CA	90810	45111021	Sporting Goods Stores	\$4,440	
32	Fresh Start Vitamin Co	1067 E Bedmar St	Carson	CA	90746	44619106	Food, Health, Supplement Stores	\$4,379	
33	Victoria Golf Course	340 E 192nd St	Carson	CA	90746	71391002	Golf Courses & Country Clubs	\$4,200	
34	Clipper Corp	21124 Figueroa St	Carson	CA	90745	45399860	Store Retailers Not Specified Elsewhere	\$4,020	
35	ARAMARK Refreshment Svc	17044 Montanero Ave # 4	Carson	CA	90746	45439002	Other Direct Selling Establishments	\$3,900	
36	Get Lucky Entertainment	21812 Foley Ave	Carson	CA	90745	71111001	Theater Companies & Dinner Theaters	\$3,750	
37	Tambuli Oriental Foods	126 W Carson St	Carson	CA	90745	44511003	Supermarkets & Other Grocery Stores	\$3,705	
38	Veterans Sports Complex	22400 Moneta Ave	Carson	CA	90745	71219004	Nature Parks & Other Similar Institutions	\$3,654	
39	3 S Corp	1251 E Walnut St	Carson	CA	90746	45321007	Office Supplies & Stationery Stores	\$3,630	
40	America's Tire Co	20741 Avalon Blvd	Carson	CA	90746	44131043	Automotive Parts & Accessories Stores	\$3,536	

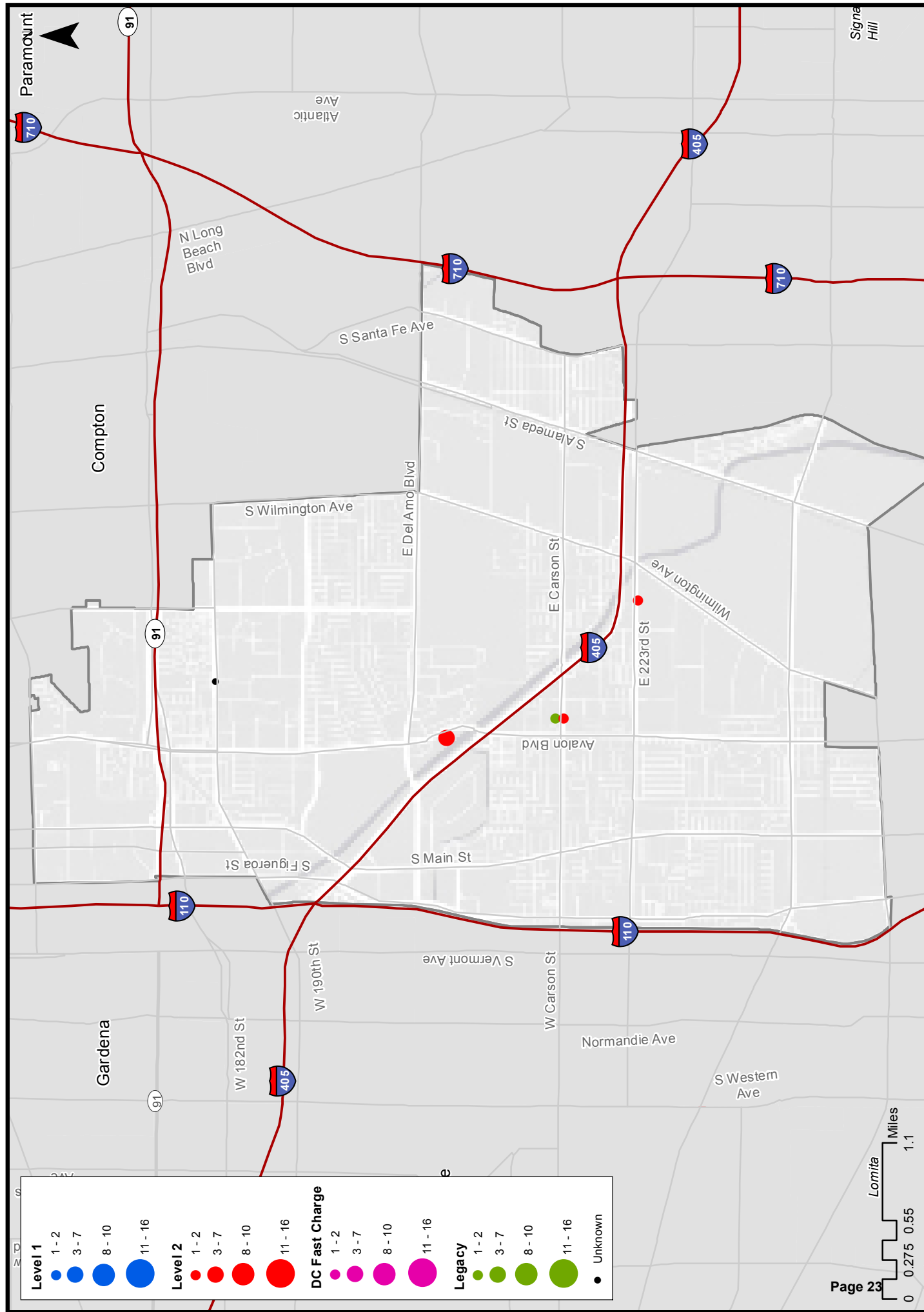
Gas stations

1	Central Chevron	17453 Central Ave	Carson	CA	90746	44719005	Other Gasoline Stations	\$6,960	
2	Ed's Mobil	655 E Carson St	Carson	CA	90745	44719005	Other Gasoline Stations	\$6,496	

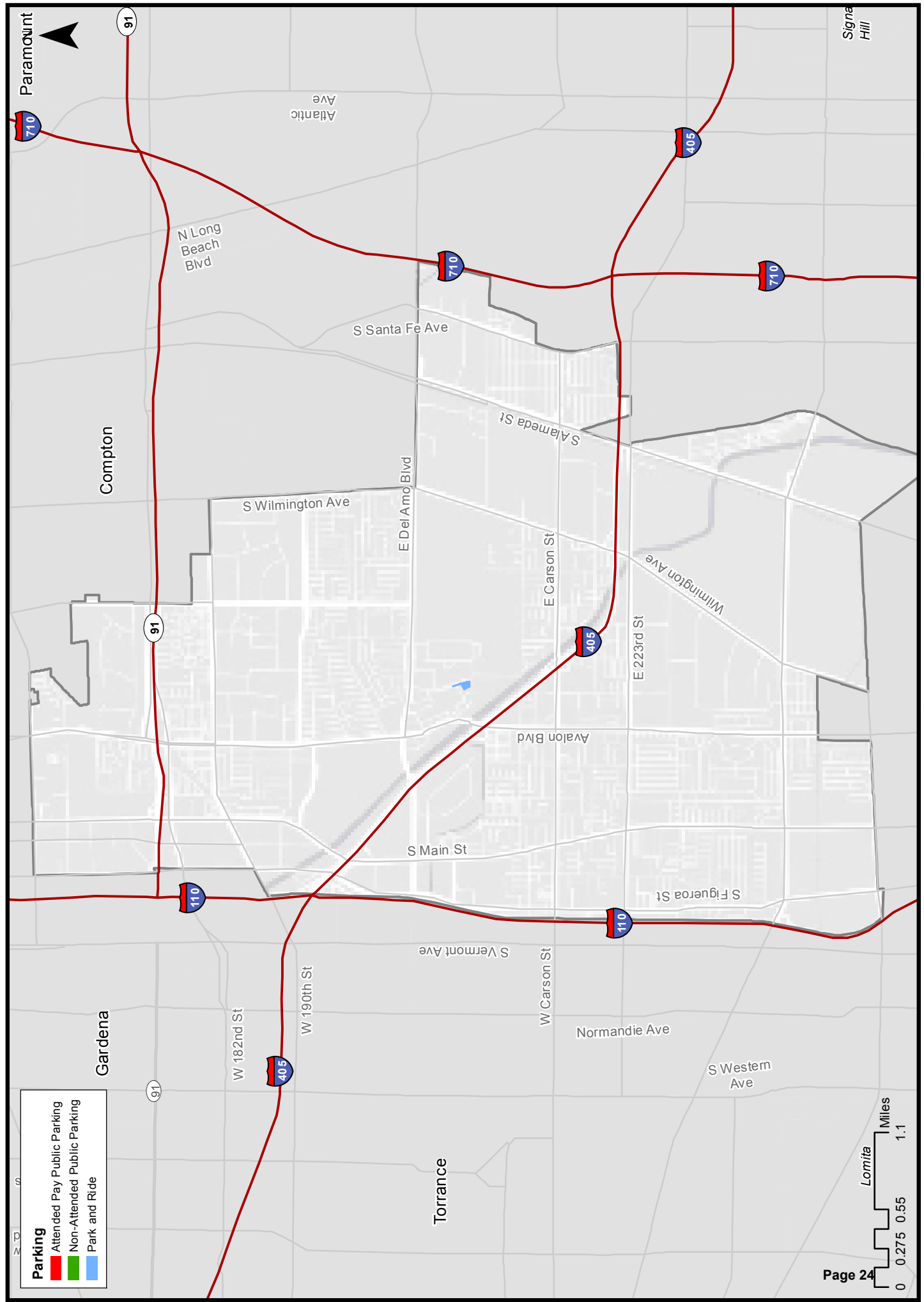
Unranked but significant

1	Home Depot	110 E Sepulveda Blvd	Carson	CA	90745				
2	Target	20700 Avalon Blvd	Carson	CA	90746				
3	24 Hour Fitness	945 E Dominguez St	Carson	CA	90746				
4	Home Depot	18400 Avalon Blvd	Carson	CA	90746				

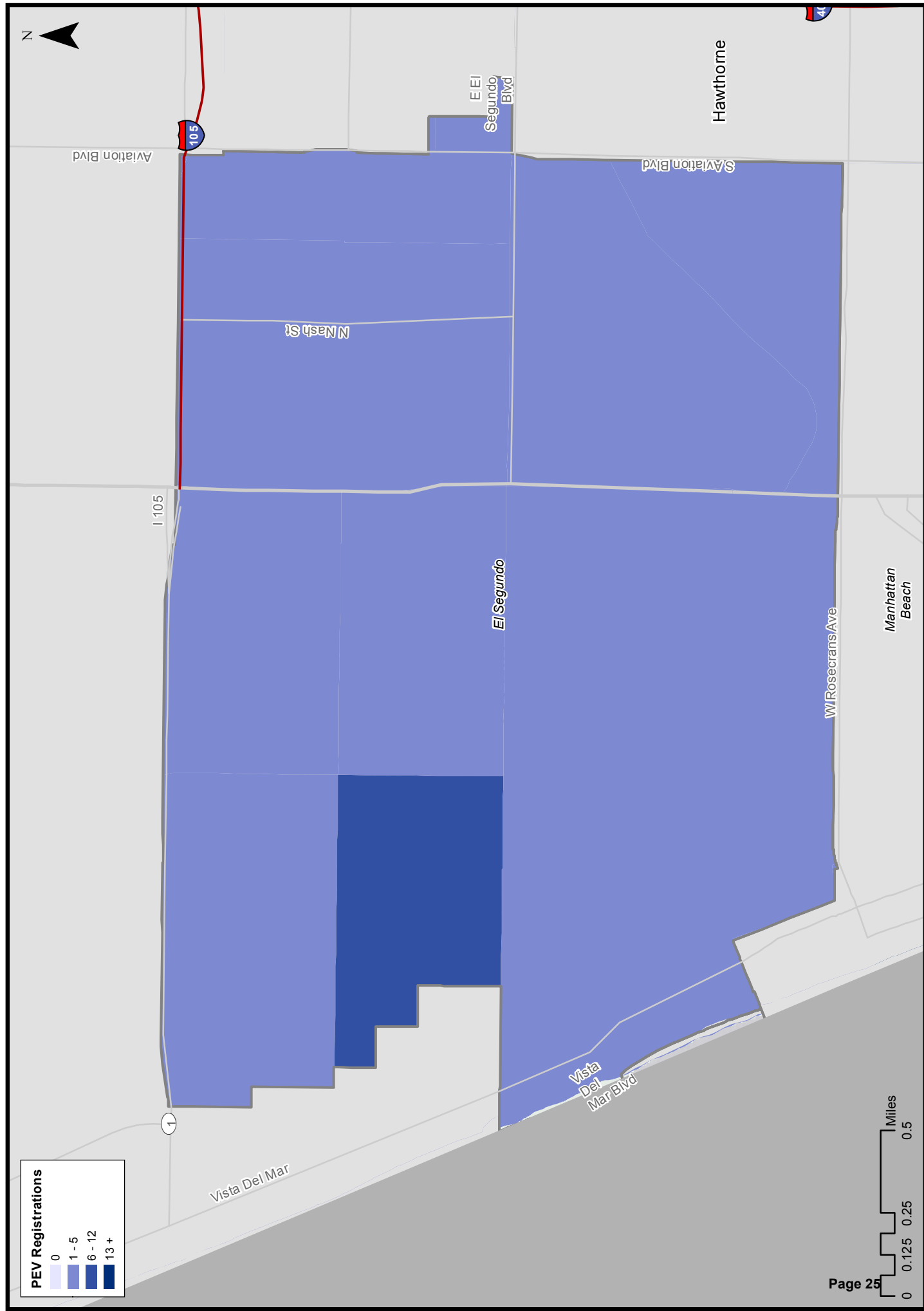
Carson: Publicly-Accessible Charging Stations (Summer/Fall 2012)

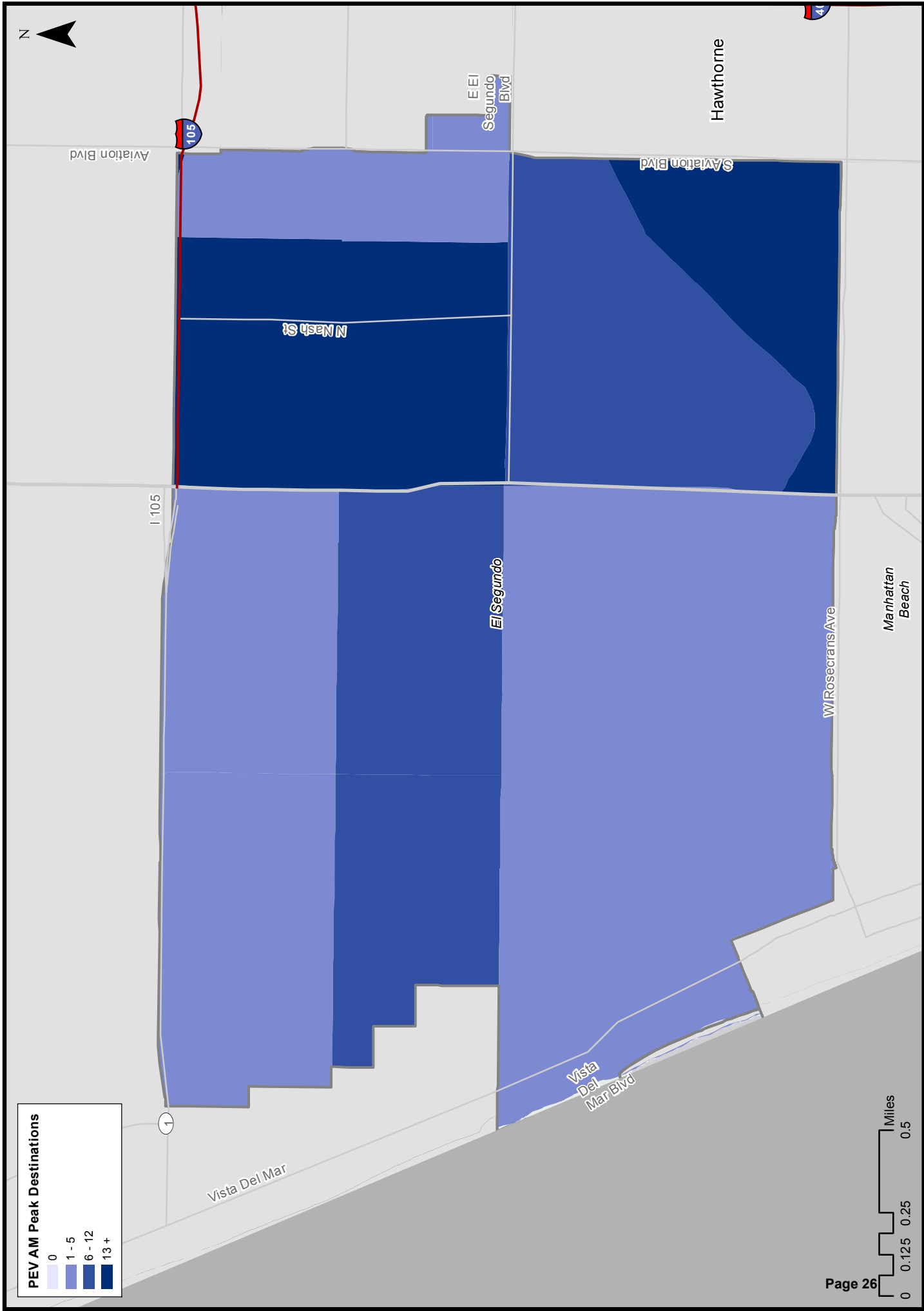


Carson: Stand-alone Parking Facilities



El Segundo: Plug-in Electric Vehicle Registrations

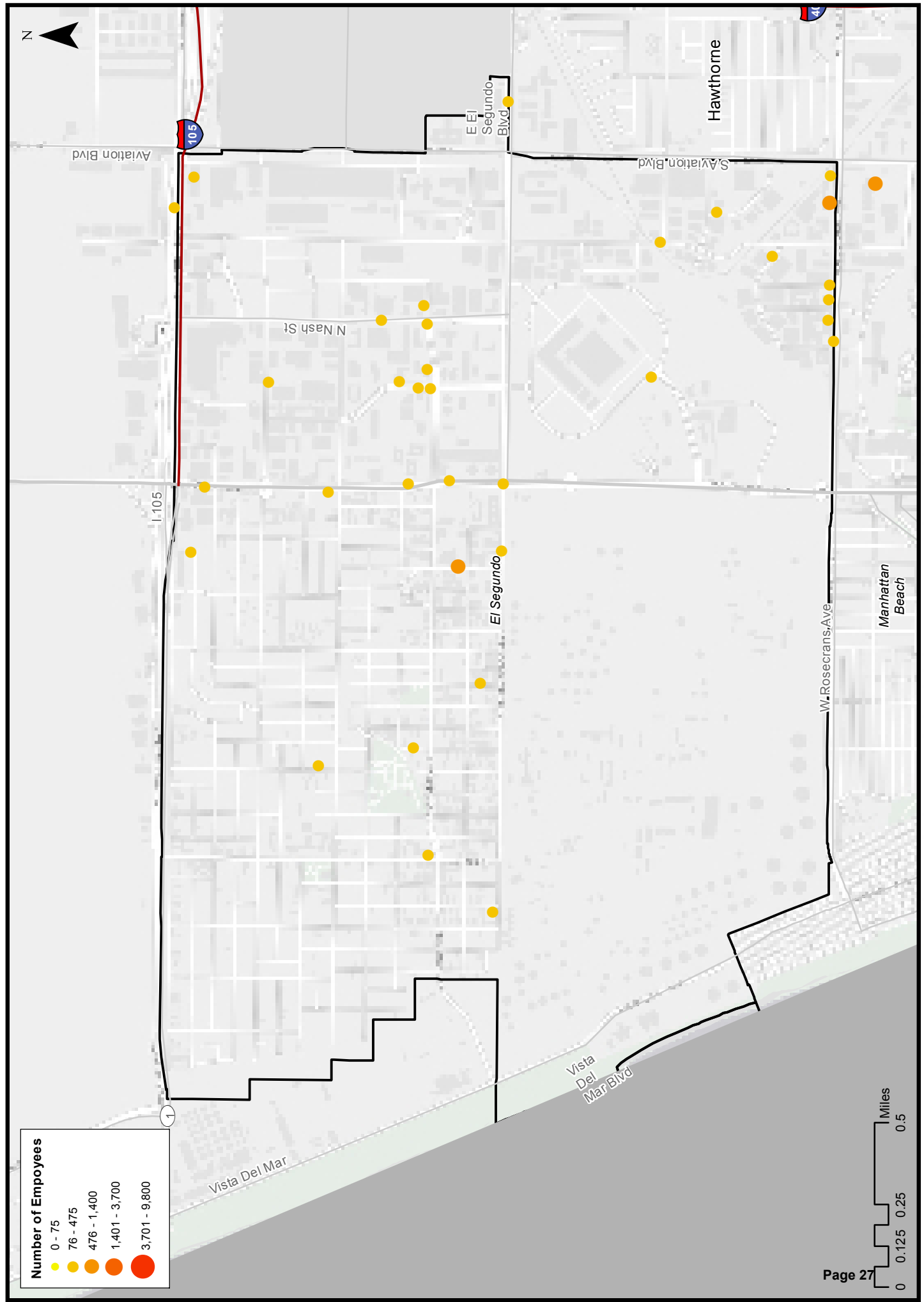




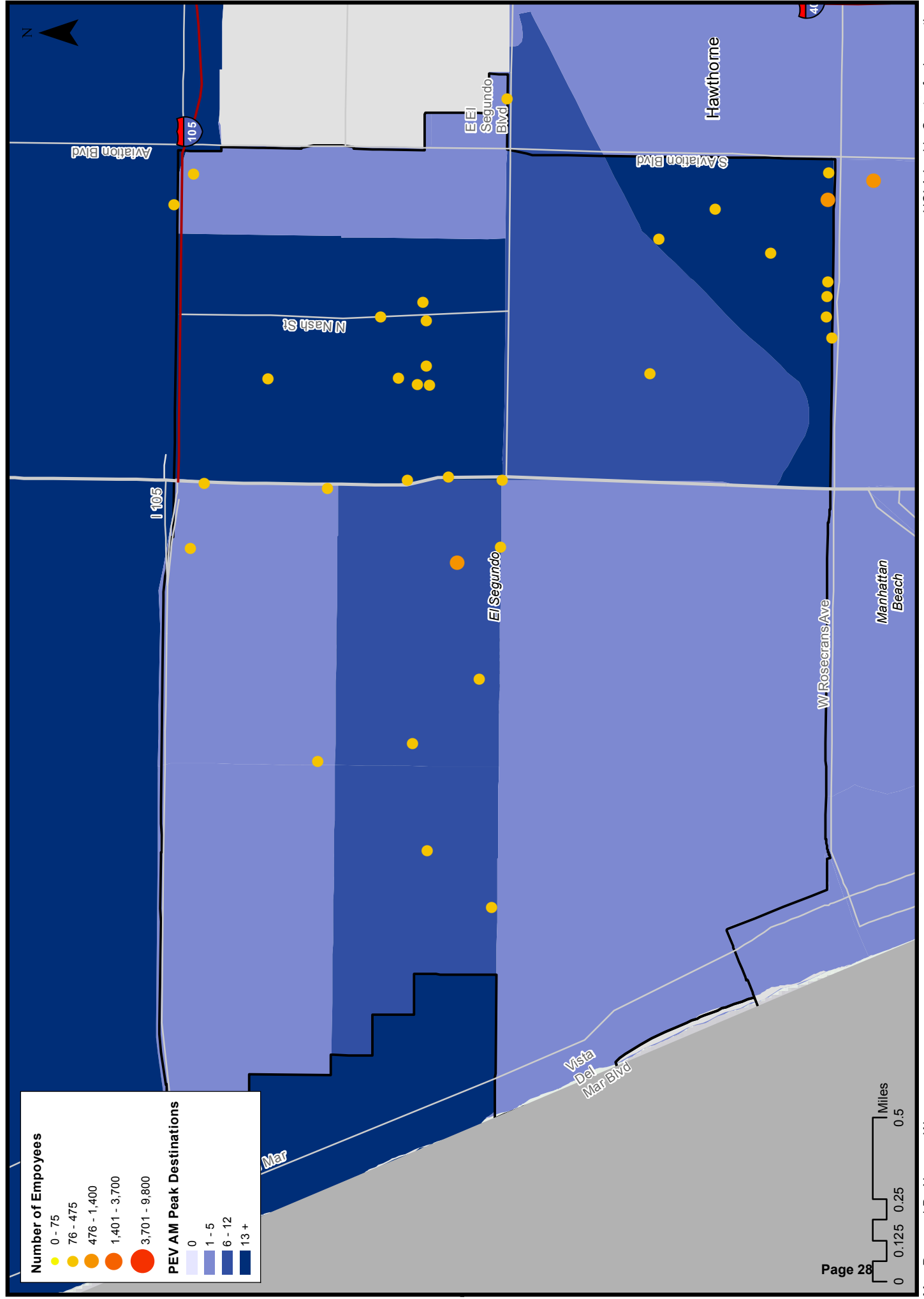
PEV AM Peak Destinations

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- 1 - 5
- 6 - 12
- 13 +

El Segundo: Top Workplaces by Number of Employees



El Segundo: PEV Morning Peak Destinations and Top Workplaces



El Segundo: Top Employers										
	Company	Address	City	ST	ZIP	Type	Employees	PEV Density	High Tech	White Collar
1	Raytheon Company	2000 E El Segundo 2101 Blvd	El Segundo	CA	90245	Other Heavy Construction	7,110	M	Y*	Y
2	Boeing Satellite Systems	1950 E Imperial Hwy	El Segundo	CA	90245	Other Guided Missile & Space Vehicle Parts	4,899	H	Y	Y
3	Northrop Grumman Corp. Aircraft Div	1 Hornet Way	El Segundo	CA	90245		4,868		Y*	Y*
4	Aero Space Corp	2350 E El Segundo Blvd	El Segundo	CA	90245		2,820	H	Y*	Y*
5	Directv Inc	2230 East Imperial Highway	El Segundo	CA	90245	All Other Plastics Prod Mfg	1,823	H	Y	Y
6	US Government, Air Force	483 N Aviation Blvd	El Segundo	CA	90245	National Security	1,734		N	N
7	Mattel Inc	333 Continental Blvd	El Segundo	CA	90245	All Other Rubber Prod Mfg	1,609	H	N	Y*
8	Chevron Products Co	324 W El Segundo Blvd	El Segundo	CA	90245	Other Petroleum Merchant Whols	1,183		N	Y
9	Rhythm & Hues, Inc	2100 E Grand Ave	El Segundo	CA	90245		704	H		N
10	International Rectifier Corp	222-348 Kansas St	El Segundo	CA	90245	Misc Electrical Equip Mfg	558	M	Y	N
11	Teledyne Controls	501 Continental Blvd	El Segundo	CA	90245		371	H	Y*	N
12	Karl Storz Properties	2151 E Grand Ave	El Segundo	CA	90245		310	H		N
13	Tri-Star Electronics	2201 Rosecrans Ave	El Segundo	CA	90245	Current-Carrying Wiring Device Mfg	278	H	N	N
14	Xerox Corp	701 S Aviation Blvd	El Segundo	CA	90245	Office Equip Merchant Whols	276	H	N	Y
15	PC Mall Inc	1940 E Mariposa Ave	El Segundo	CA	90245	Computer & Software Stores	270	H	Y	Y
16	El Segundo Parks & Recreation	401 Sheldon St	El Segundo	CA	90245	Nature Parks & Other Similar Institutions	230	M	N	N
17	Hacienda HOTEL AT Lax	525 N Sepulveda Blvd	El Segundo	CA	90245	Travel Agencies	215		N	N
18	Satco Inc	1601 E El Segundo Blvd	El Segundo	CA	90245	All Other Durable Goods Merchant Whols	200	M	N	Y
19	Avega Health Systems Inc	200 N Sepulveda Blvd # 600	El Segundo	CA	90245	Custom Computer Programming Svcs	200	M	Y	Y
20	Team One Advertising	1960 E Grand Ave # 700	El Segundo	CA	90245	Advertising Agencies	200	M	N	Y
21	Geo Logics Corp	360 N Sepulveda Blvd	El Segundo	CA	90245	Engineering Svcs	180	H	N	Y
22	Certified Laboratories Inc	360 N Sepulveda Blvd	El Segundo	CA	90245	All Other Specialty Trade Contrs	175	H	N	N
23	El Segundo Fire Dept	314 Main St	El Segundo	CA	90245	Fire Protection	164	M	N	N
24	Malaysia Airlines	100 N Sepulveda Blvd	El Segundo	CA	90245	Scheduled Passenger Air Transportation	152	H	N	N
25	Xceed Financial Credit Union	2200 E Grand Ave	El Segundo	CA	90245	Credit Unions	150	H	N	Y
26	Spectrum South Bay	2250 Park Pl	El Segundo	CA	90245	Fitness & Recreational Sports Centers	150	H	N	N
27	Brand Scaffold Svc Inc	324 W El Segundo Blvd	El Segundo	CA	90245	Other Machine Rental & Leasing	130	M	N	Y
28	Big 5 Sporting Goods Corp	2525 E El Segundo Blvd	El Segundo	CA	90245	Men's Clothing Stores	125		N	Y
29	Wyle Laboratories Inc	128 Maryland St	El Segundo	CA	90245	Engineering Svcs	125	M	N	Y
30	Glovia International Inc	1940 E Mariposa Ave # 20	El Segundo	CA	90245	Computer & Software Stores	120	H	Y	Y
31	Washington Mutual	2381 Rosecrans Ave # 200	El Segundo	CA	90245	Savings Institutions	120	H	N	Y
32	Arinc Inc	2250 E Imperial Hwy # 450	El Segundo	CA	90245	Engineering Svcs	120		Y	Y
33	Da Vita Inc	601 Hawaii St	El Segundo	CA	90245	Freestanding Emergency Medical Centers	120	H	N	Y
34	Romano's Macaroni Grill	2321 Rosecrans Ave	El Segundo	CA	90245	Limited-Service Restaurants	120		N	N
35	Cozymel's Mexican Grill	2171 Rosecrans Ave	El Segundo	CA	90245	Limited-Service Restaurants	112	H	N	N
36	Embassy Suites	1440 E Imperial Ave	El Segundo	CA	90245	Hotels & Motels, Except Casino Hotels	110		N	N
37	Integrated Data Svc	2141 Rosecrans Ave # 2050	El Segundo	CA	90245	Computer & Software Stores	106	H	Y	Y
38	Coors Tetraflour Inc	2051 E Maple Ave	El Segundo	CA	90245	Gasket, Packaging, & Sealing Device Mfg	100	H	N	N
39	Mccormick & Schmick's Seafood	2101 Rosecrans Ave	El Segundo	CA	90245	Limited-Service Restaurants	100	H	N	N
40	P F Chang's China Bistro	2041 Rosecrans Ave # 120	El Segundo	CA	90245	Limited-Service Restaurants	100		N	N

*Reclassified by the Luskin Center

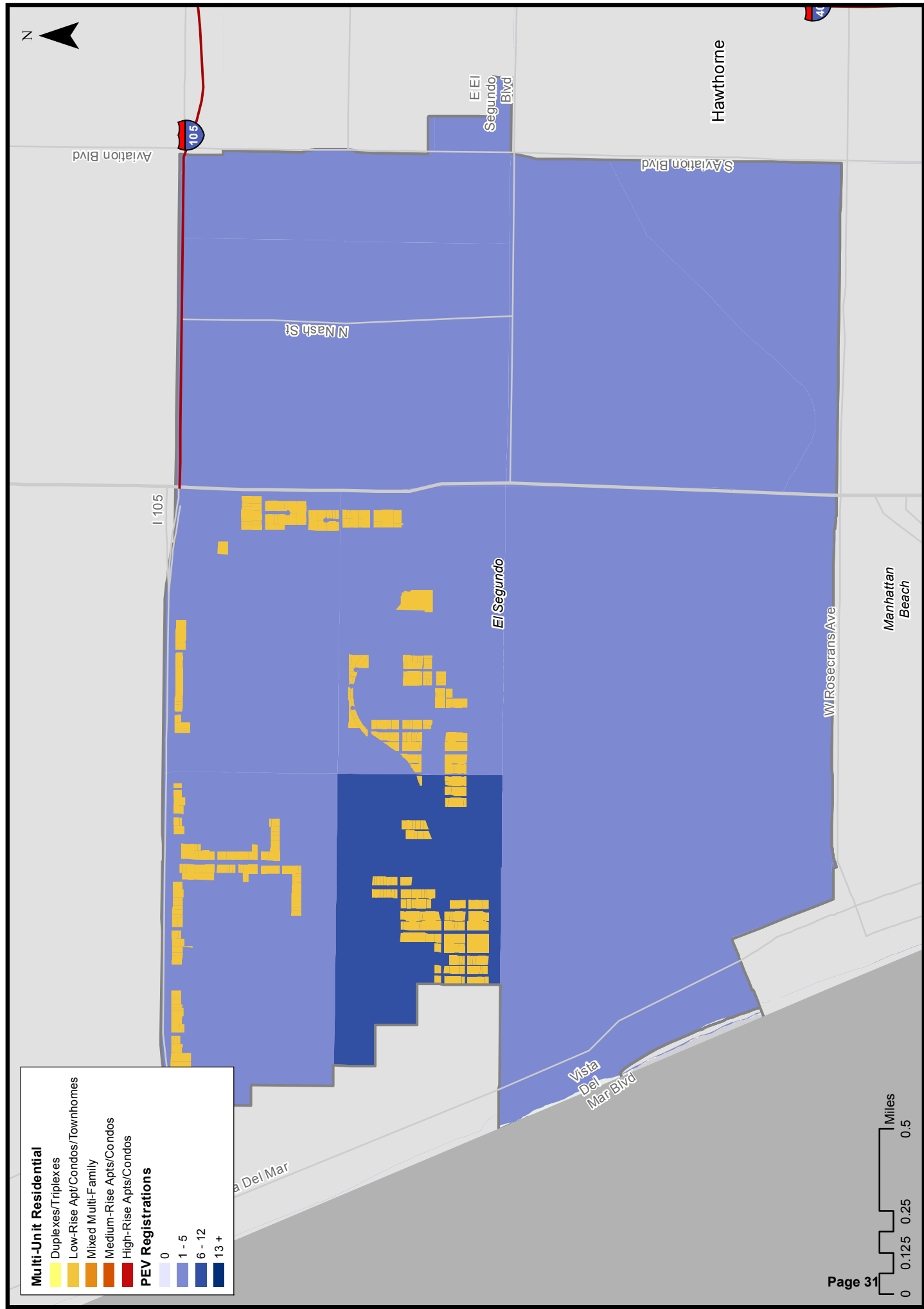
INFOUSA Over 250

1	Accenture Ltd	2141 Rosecrans Ave # 3100	El Segundo	CA	90245	Custom Computer Programming Svcs	700		N	Y
2	Comerica Bank	2321 Rosecrans Ave	El Segundo	CA	90245	Commercial Banking	600	H	N	Y
3	Dolb's International Svc Inc	444 N Nash St # 237	El Segundo	CA	90245	Caterers	400	H	N	N
4	En Pointe Technologies Inc	2381 Rosecrans Ave # 325	El Segundo	CA	90245	Computer & Software Stores	350		Y	Y

5	Continental Data Graphics	222 N Sepulveda Blvd # 300	El Segundo	CA	90245	Other Business Svc Centers	350	H	N	Y
6	Douglas Furniture of Ca Llc	400 Continental Blvd # 250	El Segundo	CA	90245	Institutional Furniture Mfg	300	H	N	N
7	Classic Party Rentals	2310 E Imperial Hwy	El Segundo	CA	90245	Service Establishment Equip Merchant Whols	300		N	Y
8	Internet Brands Inc	909 N Sepulveda Blvd	El Segundo	CA	90245	New Car Dealers	300		N	Y
9	El Segundo School District Adm	641 Sheldon St	El Segundo	CA	90245	Elementary & Secondary Schools	300		N	Y

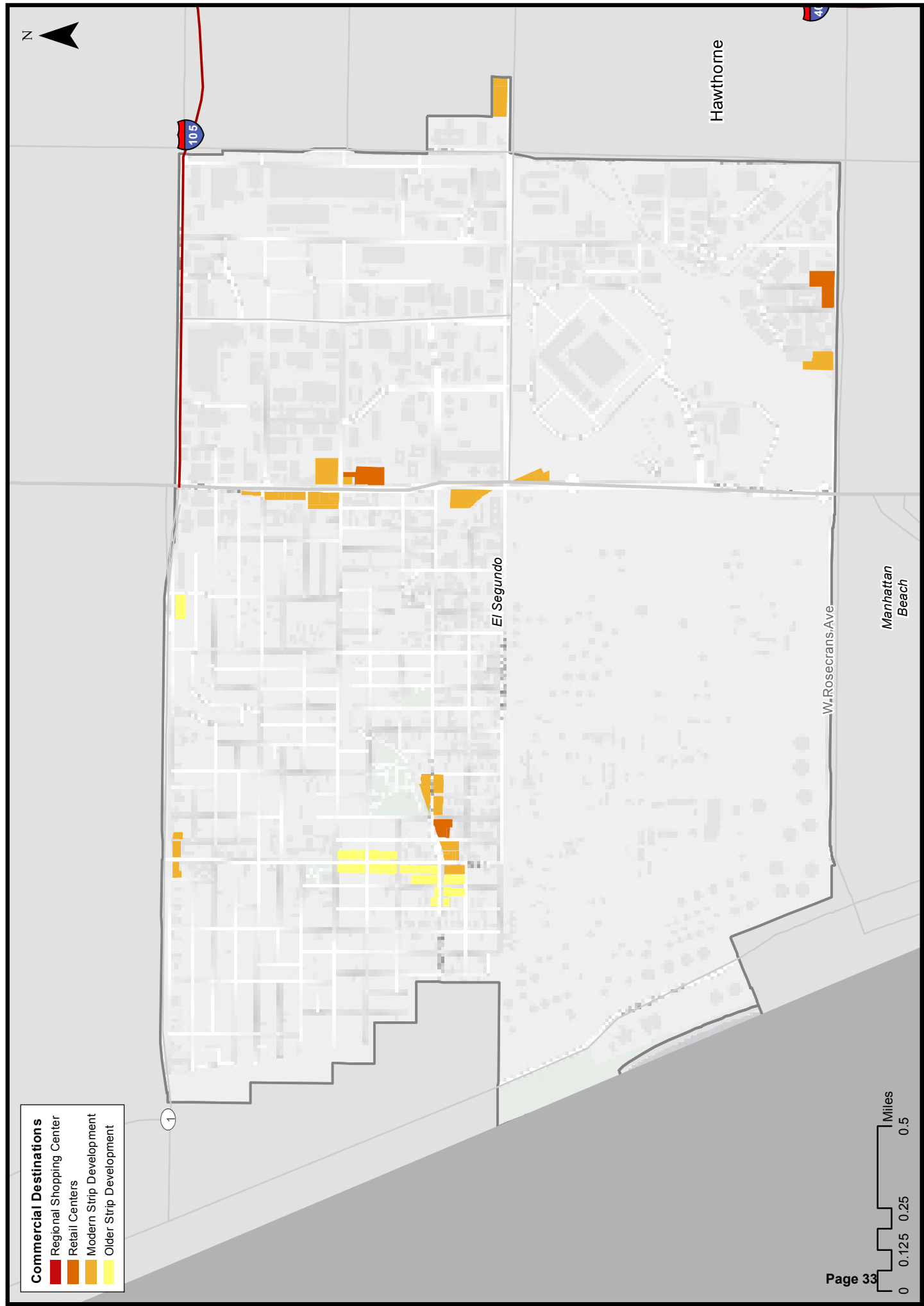
*Reclassified by the Luskin Center

El Segundo: Multi-Unit Residential and PEV Registrations

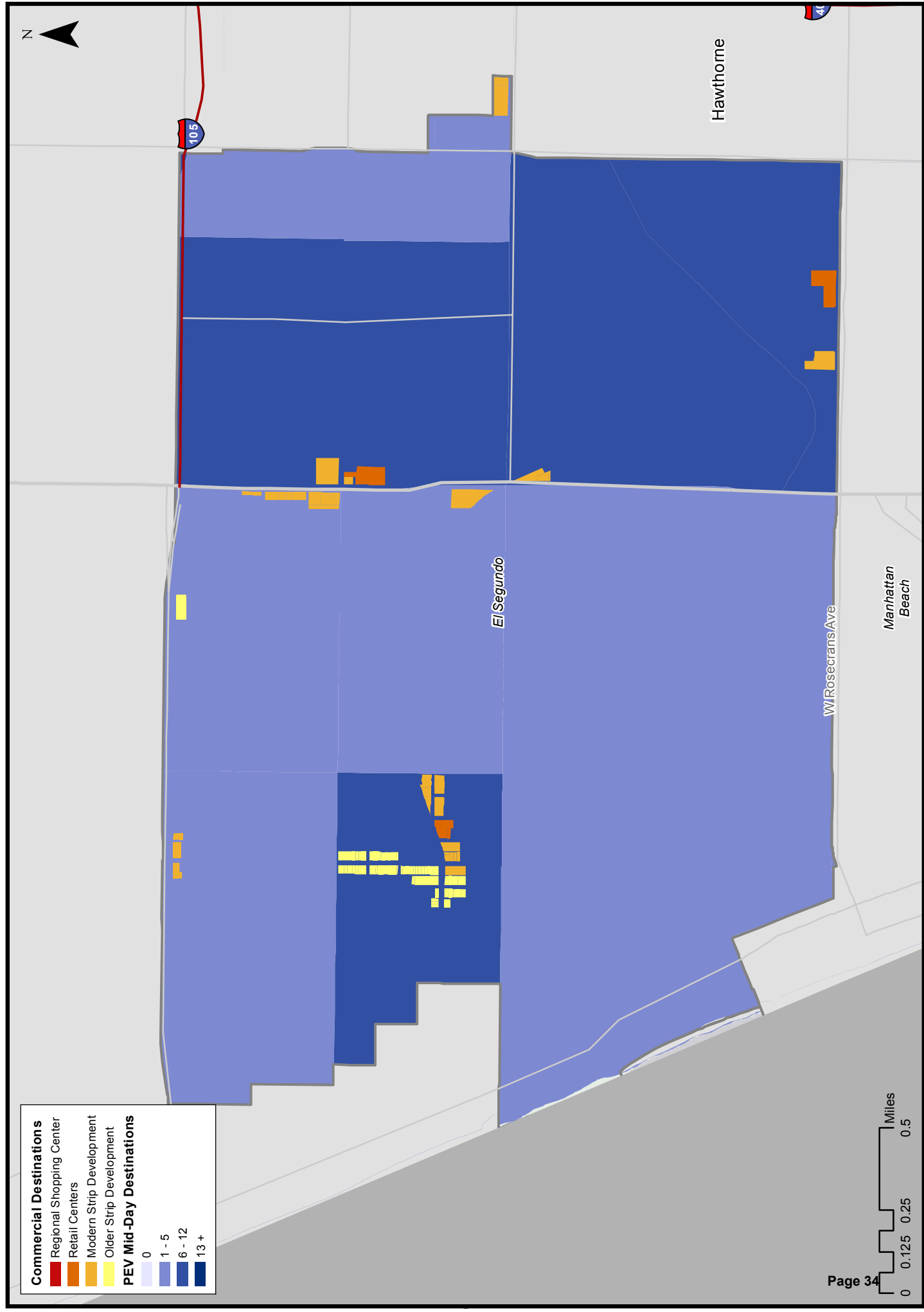


El Segundo: Top Multi-Unit Dwellings									
	Address	City	ST	ZIP	Units	Condo	Year Built	Average Value/Unit	PEV Density
1	732 W Imperial Ave	El Segundo	CA	90245	42	N	1973	\$85,691	
2	716 Indiana Ct	El Segundo	CA	90245	42	N	1958	\$13,199	
3	950 Main St	El Segundo	CA	90245	42	Y	1982	\$205,034	
4	209 Sierra St	El Segundo	CA	90245	39	N	1960	\$72,922	
5	910 E Grand Ave	El Segundo	CA	90245	35	N	1979	\$107,618	
6	646 W Imperial Ave	El Segundo	CA	90245	35	N	1957	\$69,465	
7	900 Cedar St	El Segundo	CA	90245	33	Y	1978	\$500,000	
8	403 Indiana St	El Segundo	CA	90245	27	N	1963	\$39,706	
9	617 Illinois Ct	El Segundo	CA	90245	27	N	1957	\$106,614	
10	717 Indiana Ct	El Segundo	CA	90245	25	N	1959	\$22,622	
11	420 Illinois St	El Segundo	CA	90245	24	N	1964	\$27,454	
12	745 Main St	El Segundo	CA	90245	24	Y	1977	\$264,287	
13	123 E Oak Ave	El Segundo	CA	90245	24	Y	1979	\$260,079	
14	720 W Imperial Ave	El Segundo	CA	90245	23	N	1969	\$104,543	
15	216 W Imperial Ave	El Segundo	CA	90245	23	N	1976	\$106,601	
16	1620 E Maple Ave	El Segundo	CA	90245	22	N	1960	\$89,355	
17	620 Illinois Ct	El Segundo	CA	90245	22	N	1962	\$118,227	
18	215 W Palm Ave	El Segundo	CA	90245	22	Y	1981	\$206,649	
19	501 Center St	El Segundo	CA	90245	20	N	1984	\$208,950	
20	660 W Imperial Ave	El Segundo	CA	90245	20	N	1985	\$102,971	

El Segundo: Commercial (Retail) Destinations



El Segundo: PEV Mid-Day Destinations and Commercial (Retail) Locations



El Segundo: Top Retailers									
	Company	Address	City	ST	ZIP	NAICS Code	Type	Annual Sales Volume (in thousands)	PEV Density
1	Integrated Data Svc	2141 Rosecrans Ave # 2050	El Segundo	CA	90245	44312007	Computer & Software Stores	\$36,358	M
2	Dolb's International Svc Inc	444 N Nash St # 237	El Segundo	CA	90245	72232001	Caterers	\$26,000	M
3	Ralphs	500 N Sepulveda Blvd	El Segundo	CA	90245	44511003	Supermarkets & Other Grocery Stores	\$24,700	M
4	Awr Corp	1960 E Grand Ave # 430	El Segundo	CA	90245	44312007	Computer & Software Stores	\$20,580	M
5	El Segundo Parks & Recreation	401 Sheldon St	El Segundo	CA	90245	71219004	Nature Parks & Other Similar Institutions	\$20,010	
6	L A Slot Machine	750 Lairport St	El Segundo	CA	90245	44311235	Radio, TV & Other Electronics Stores	\$10,336	M
7	Jim & Jack's Auto & Body Shop	1605 E Grand Ave	El Segundo	CA	90245	81112102	Automotive Body & Interior Repair	\$9,605	M
8	Ebsco Information Svc	898 N Sepulveda Blvd # 800	El Segundo	CA	90245	45121201	News Dealers & Newsstands	\$9,360	M
9	Hot Spots Television	100 N Sepulveda Blvd # 1825	El Segundo	CA	90245	71151018	Independent Artists, Writers, & Performers	\$8,750	M
10	Satron Inc	211 California St	El Segundo	CA	90245	44122904	All Other Motor Vehicle Dealers	\$8,680	
11	Cooke's Market	121 W Grand Ave	El Segundo	CA	90245	44511003	Supermarkets & Other Grocery Stores	\$8,645	
12	New York Food Co	2320 Alaska Ave	El Segundo	CA	90245	45439017	Other Direct Selling Establishments	\$8,580	M
13	South Bay Ctr	360 N Sepulveda Blvd # 2075	El Segundo	CA	90245	44511003	Supermarkets & Other Grocery Stores	\$8,470	M
14	Mil-Com Assoc	645 Hawaii St	El Segundo	CA	90245	44122904	All Other Motor Vehicle Dealers	\$8,246	M
15	World Race Production Co	200 Continental Blvd	El Segundo	CA	90245	71151018	Independent Artists, Writers, & Performers	\$7,500	M
16	Hilton Garden Inn-Lax	2100 E Mariposa Ave	El Segundo	CA	90245	72111002	Hotels & Motels, Except Casino Hotels	\$7,350	M
17	Ansoft Corp	400 Continental Blvd # 6	El Segundo	CA	90245	44312007	Computer & Software Stores	\$6,615	M
18	Standby Parts Inc	301 E Segundo Blvd	El Segundo	CA	90245	44122904	All Other Motor Vehicle Dealers	\$6,510	M
19	Renee Croce & Assoc	909 N Sepulveda Blvd # 960	El Segundo	CA	90245	81321901	Other Grantmaking & Giving Services	\$6,310	
20	Sunset Floors Inc	130 W Grand Ave	El Segundo	CA	90245	44221012	Floor Covering Stores	\$5,900	M
21	Embassy Suites	1440 E Imperial Ave	El Segundo	CA	90245	72111002	Hotels & Motels, Except Casino Hotels	\$5,880	
22	Spectrum South Bay	2250 Park Pl	El Segundo	CA	90245	71394011	Fitness & Recreational Sports Centers	\$5,850	M
23	Romano's Macaroni Grill	2321 Rosecrans Ave	El Segundo	CA	90245	72221104	Limited-Service Restaurants	\$4,800	H
24	Snak Club	607 N Nash St	El Segundo	CA	90245	44529205	Confectionery & Nut Stores	\$4,760	M
25	Healthcare Communications Grp	909 N Sepulveda Blvd	El Segundo	CA	90245	44611008	Pharmacies & Drug Stores	\$4,575	M
26	Cozymel's Mexican Grill	2171 Rosecrans Ave	El Segundo	CA	90245	72221105	Limited-Service Restaurants	\$4,480	M
27	KCI Computing Inc	2221 Rosecrans Ave	El Segundo	CA	90245	44312007	Computer & Software Stores	\$4,459	M
28	International Works	416 E Grand Ave	El Segundo	CA	90245	81121218	Computer & Office Machine Repair	\$4,401	
29	Allan Buick Bers	898 N Sepulveda Blvd	El Segundo	CA	90245	44111001	New Car Dealers	\$4,295	M
30	Rite Aid	220 E Grand Ave	El Segundo	CA	90245	44619106	Food, Health, Supplement Stores	\$4,209	M
31	El Segundo Golf Course	400 S Sepulveda Blvd	El Segundo	CA	90245	71391002	Golf Courses & Country Clubs	\$4,200	M
32	Continental Computers	920 N Nash St	El Segundo	CA	90245	44312001	Computer & Software Stores	\$4,116	M
33	Doubletree-Intl Airport	1985 E Grand Ave	El Segundo	CA	90245	72111002	Hotels & Motels, Except Casino Hotels	\$4,116	M
34	Summerfield Suites-El Segundo	810 S Douglas St	El Segundo	CA	90245	72111002	Hotels & Motels, Except Casino Hotels	\$4,018	M
35	Mccormick & Schmick's Seafood	2101 Rosecrans Ave	El Segundo	CA	90245	72221105	Limited-Service Restaurants	\$4,000	M
36	P F Chang's China Bistro	2041 Rosecrans Ave # 120	El Segundo	CA	90245	72221105	Limited-Service Restaurants	\$4,000	H
37	Sage Parts Plus	140 Oregon St	El Segundo	CA	90245	44122904	All Other Motor Vehicle Dealers	\$3,906	
38	Big 5 Sporting Goods	2515 E El Segundo Blvd	El Segundo	CA	90245	45111055	Sporting Goods Stores	\$3,700	
39	Auto Airport Parking	2222 E Imperial Hwy	El Segundo	CA	90245	81293004	Parking Lots & Garages	\$3,636	M
40	Amerix Electronics Inc	431 E Grand Ave	El Segundo	CA	90245	44311207	Radio, TV & Other Electronics Stores	\$3,553	M

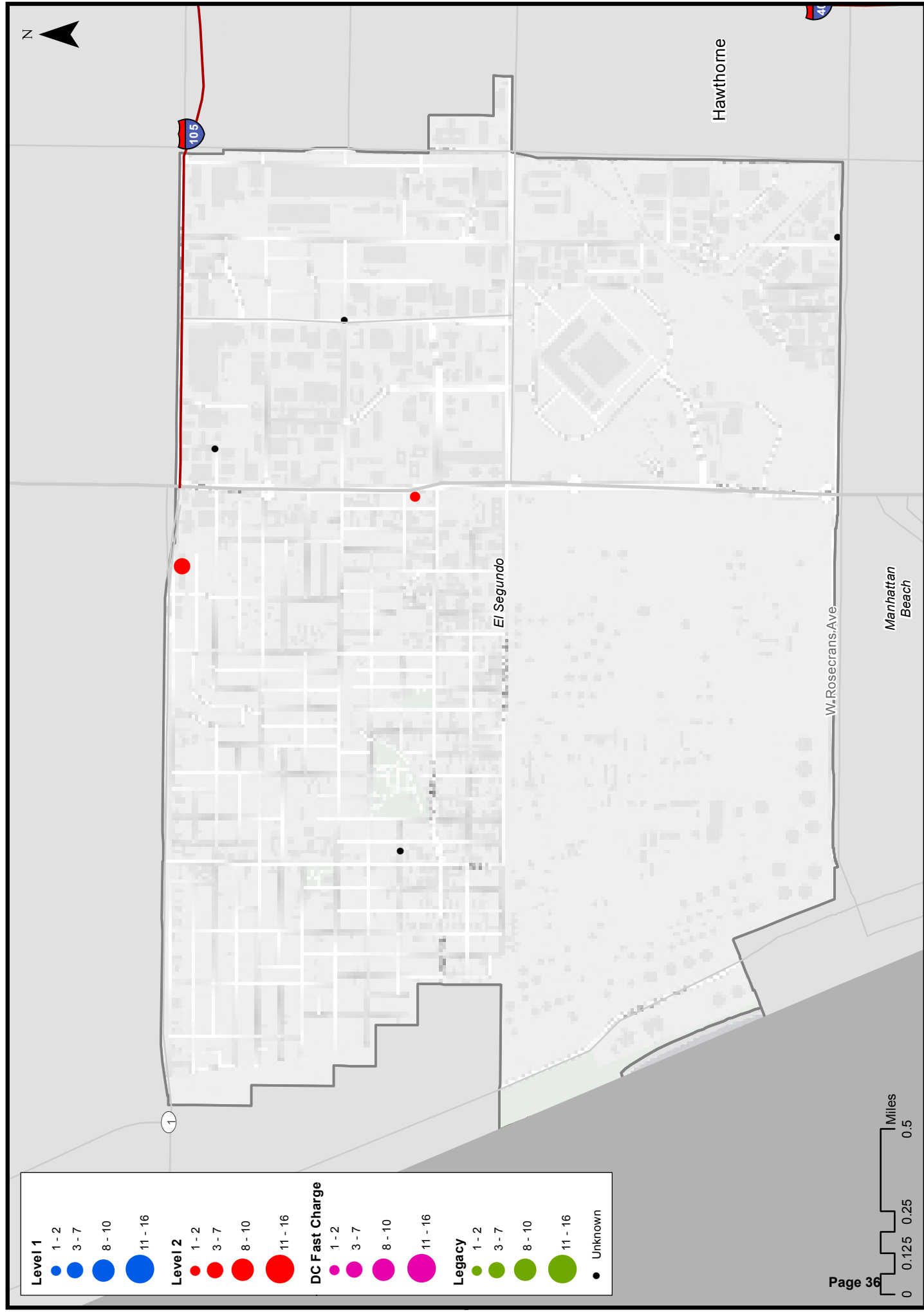
Gas stations

1	Chevron	101 S Sepulveda Blvd	El Segundo	CA	90245	44719005	Other Gasoline Stations	\$4,176	
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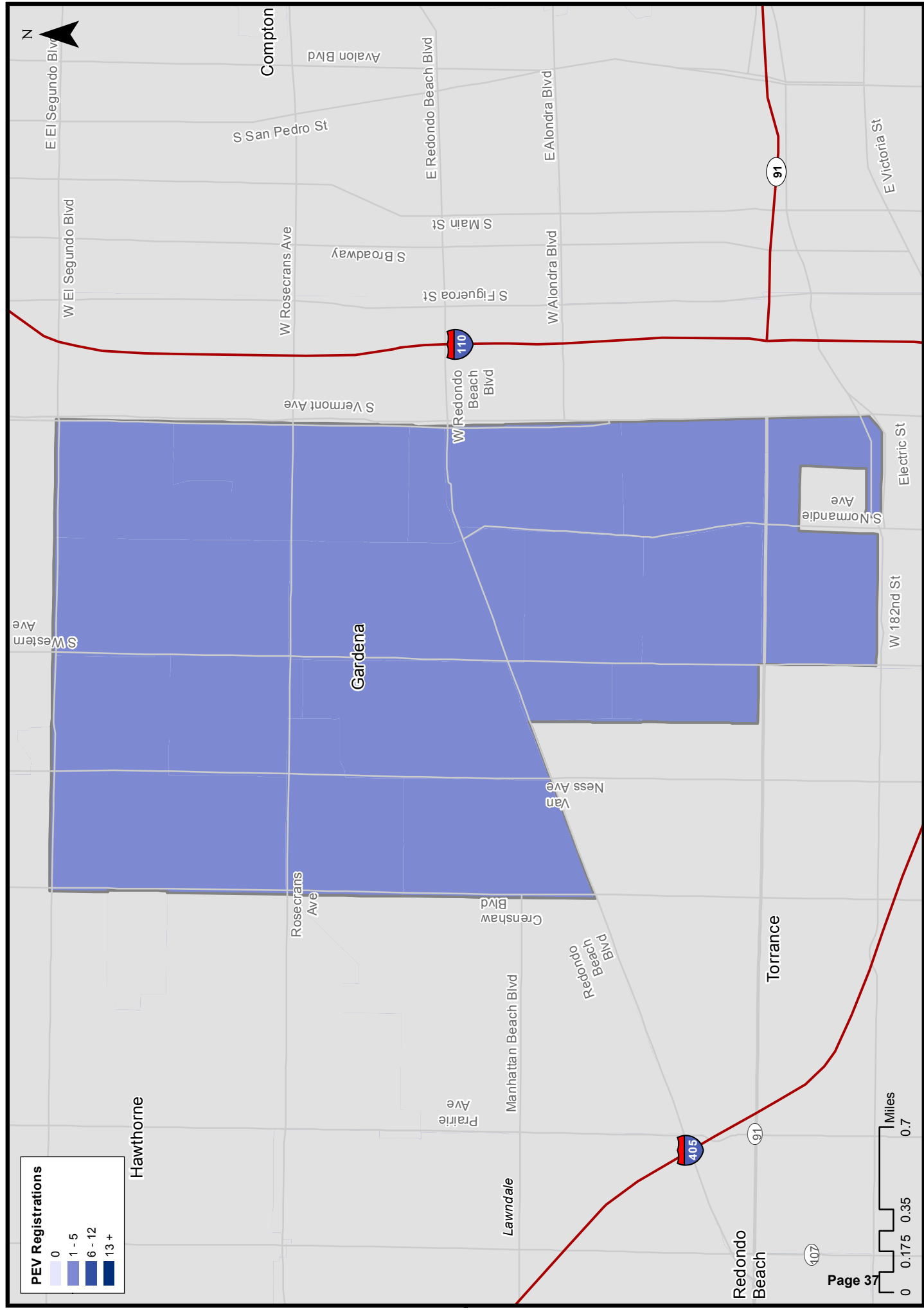
Unranked but significant

1	Whole Foods Market	760 S Sepulveda Blvd	El Segundo	CA	90245				M
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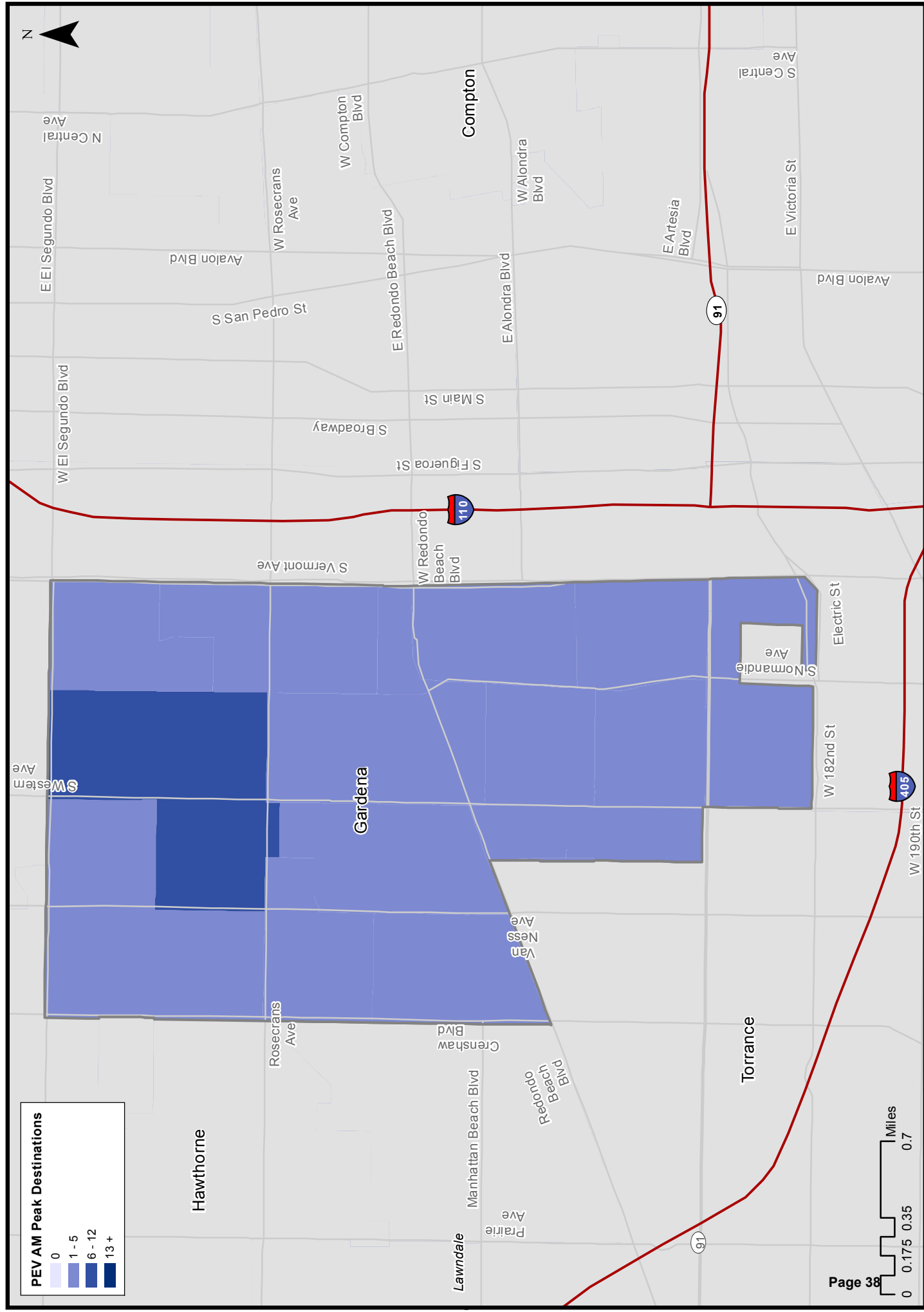
El Segundo: Publicly-Accessible Charging Stations (Summer/Fall 2012)



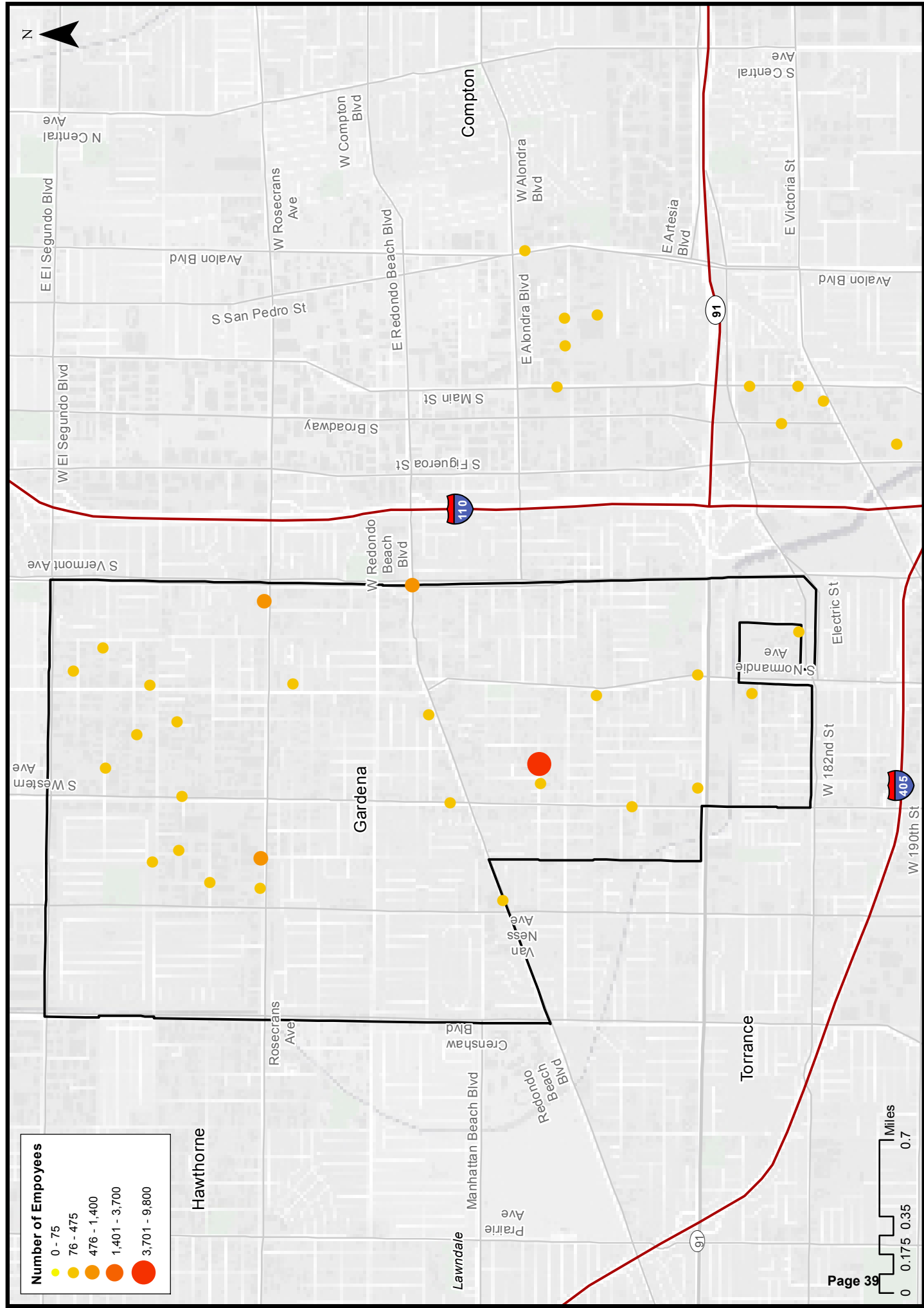
Gardena: Plug-in Electric Vehicle Registrations



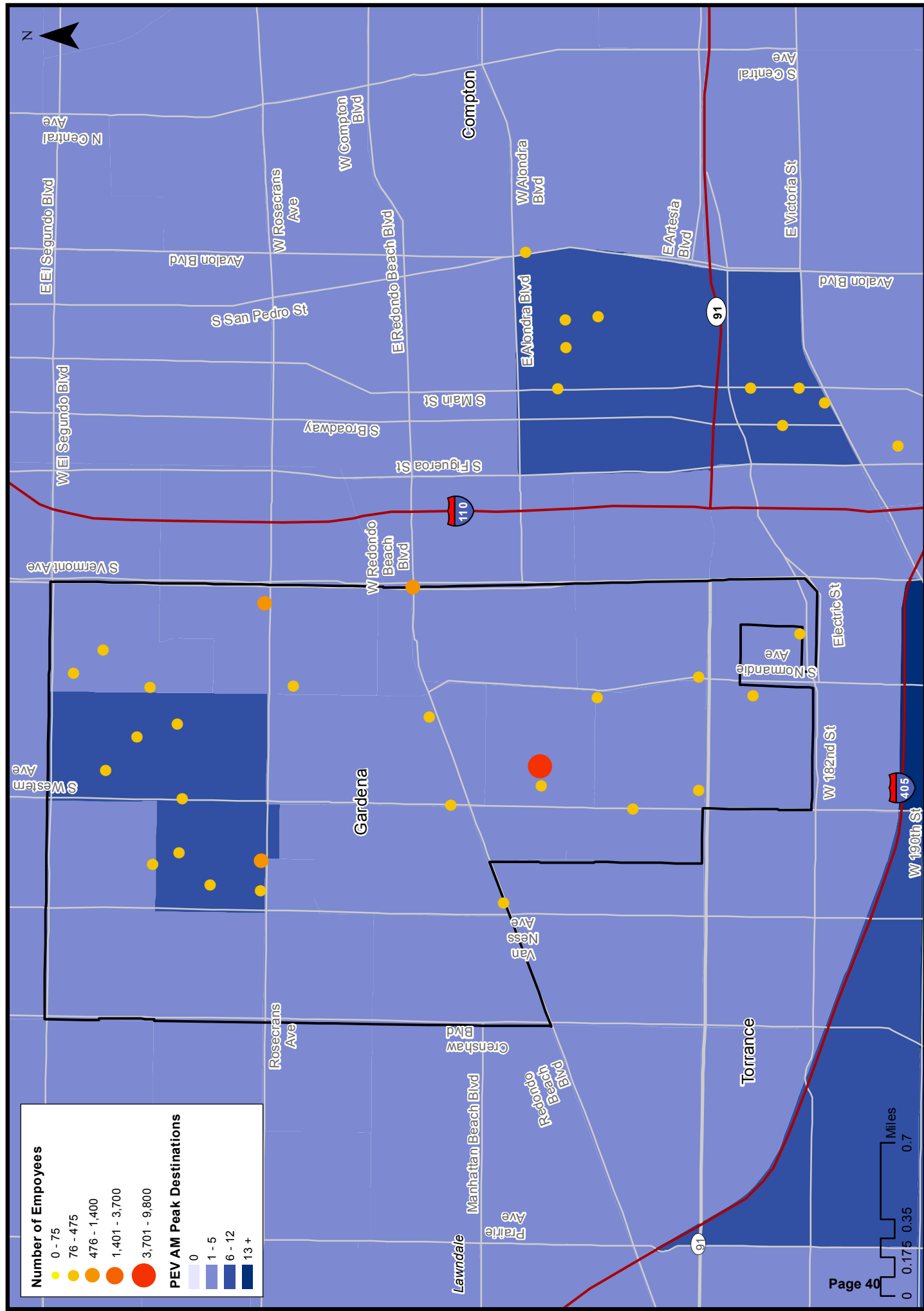
Gardena: Plug-in Electric Vehicle Morning Peak Destinations



Gardena: Top Workplaces by Number of Employees



Gardena: PEV Morning Peak Destinations and Top Workplaces



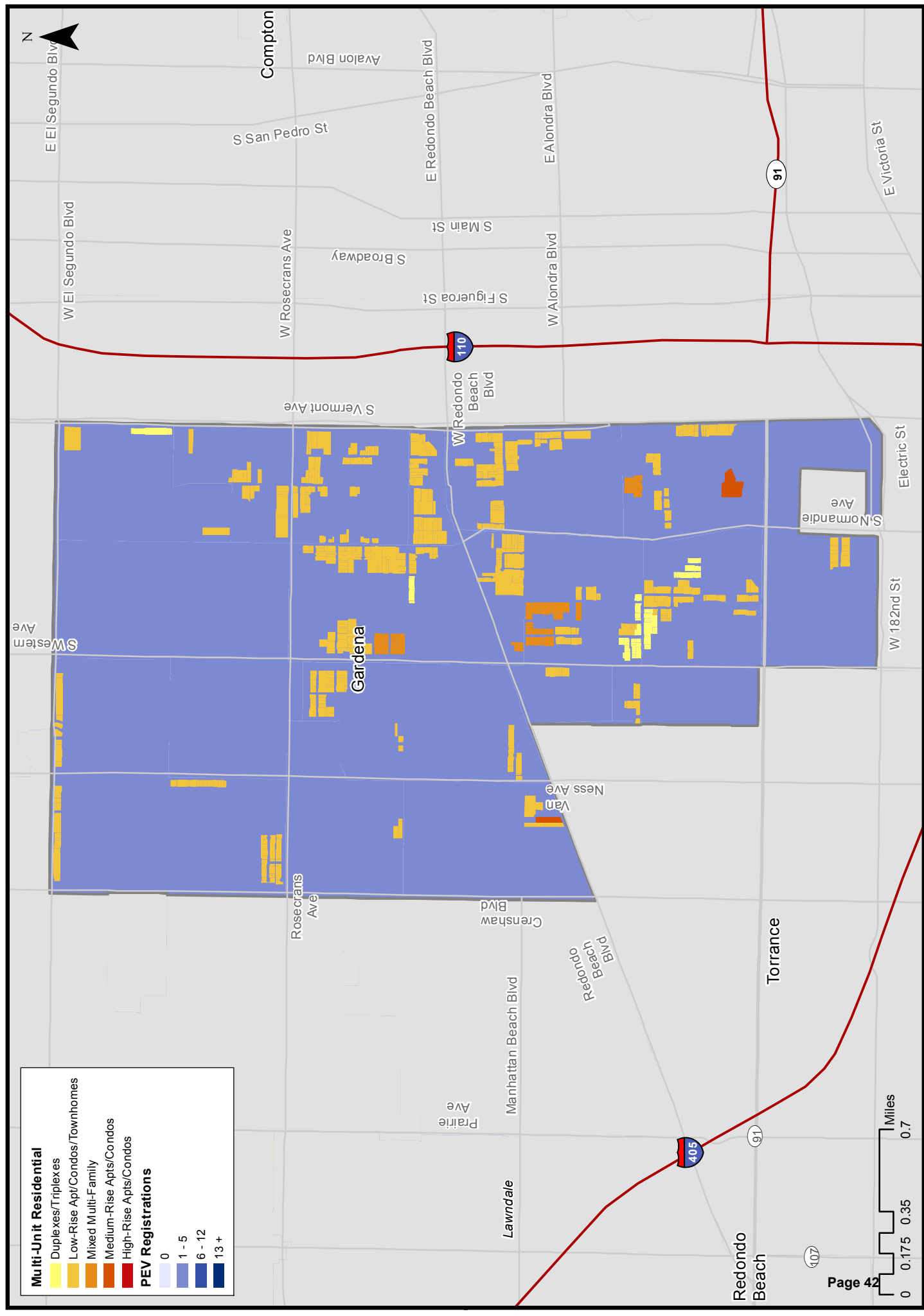
Gardena: Top Employers										
	Company	Address	City	ST	ZIP	Type	Employees	PEV Density	High Tech	White Collar
1	LA County Metro Trans Authority	450 W Griffith St	Gardena	CA	90248					
2	Memorial Hospital of Gardena	1145 W Redondo Beach Blvd	Gardena	CA	90247	Offices of Physicians, Except Mental Health	743			
3	Hustler Casino	1000 W Redondo Beach Blvd	Gardena	CA	90247	Other Gambling Industries	728		N	Y
4	United Parcel Service	17115 S Western Ave	Gardena	CA	90247		717		N	N
5	HITCO Carbon Composites Inc	1600 W 135th St	Gardena	CA	90249	Fabric Coating Mills	663			
6	Normandie Casino	1045 W Rosecrans Ave	Gardena	CA	90247	Other Gambling Industries	509		Y	N
7	Designed Metal Connections	14800 S Figueroa St	Gardena	CA	90248		414		N	N
8	Kindred Southbay	1246 W 155th St	Gardena	CA	90247		395			
9	Gardena City	1718 W 162nd St	Gardena	CA	90247		316			
10	Target	2169 W Redondo Beach Blvd	Gardena	CA	90247	Department Stores, Except Discount	236			
11	Southwest Offset Printing	13650 Gramercy Pl	Gardena	CA	90249	Commercial Lithographic Printing	220		N	N*
12	Tabletops Unlimited Inc	1650 W Artesia Blvd	Gardena	CA	90248	Kitchen Utensil, Pot, & Pan Mfg	200	M	N	N
13	Martin-Bratrud Inc	1224 W 132nd St	Gardena	CA	90247	Sawmill & Wood Working Machinery Mfg	200		N	Y
14	Coronet Manufacturing Co Inc	16210 S Avalon Blvd	Gardena	CA	90248	Electric Lamp Bulb & Part Mfg	200		N	N
15	Chromalloy Gas Turbine Corp	2100 W 139th St	Gardena	CA	90249	Metal Merchant Whols	200	M	N	Y
16	Harbor Distributing Co	16407 S Main St	Gardena	CA	90248	All Other Durable Goods Merchant Whols	200	M	N	Y
17	Offshore Marine Lab Inc	2010 W 135th St	Gardena	CA	90249	Computer & Software Stores	200	M	Y	Y
18	Marukai Market	1740 W Artesia Blvd	Gardena	CA	90248	Supermarkets & Other Grocery Stores	200		N	Y
19	Tru Green Land Care	1323 W 130th St	Gardena	CA	90247	Landscaping Svcs	200		N	N
20	Gardena High School	1301 W 182nd St	Gardena	CA	90248	Elementary & Secondary Schools	200		N	Y
21	FEDEX	18115 S Main St	Gardena	CA	90248	Commercial Lithographic Printing	180	M	N	N
22	Sam's Club	1399 W Artesia Blvd	Gardena	CA	90248	Department Stores, Except Discount	180		N	N*
23	Masada Homes	130 W Victoria St	Gardena	CA	90248	Other Individual & Family Svcs	177		N	N
24	US Post Office	1455 W Redondo Beach Blvd	Gardena	CA	90247	Postal Svc	170		N	N
25	Clear View Sanitarium Inc	15823 S Western Ave	Gardena	CA	90247	Nursing Care Facilities	155		N	N*
26	Washington Ornamental Iron Wrk	17926 S Broadway St	Gardena	CA	90248	Fabricated Structural Metal Mfg	150	M	N	N
27	Vernon Auto Parts	1559 W 134th St	Gardena	CA	90249	All Other Motor Vehicle Parts Mfg	150	M	N	N
28	Artist Guild of America	13225 S Western Ave	Gardena	CA	90249	All Other Misc Mfg	150		N	Y
29	Albertsons	1735 W Artesia Blvd	Gardena	CA	90248	Supermarkets & Other Grocery Stores	150		N	N*
30	Peary Middle School	1415 W Gardena Blvd	Gardena	CA	90247	Elementary & Secondary Schools	150		N	Y
31	Shilla Restaurant	16944 S Western Ave	Gardena	CA	90247	Limited-Service Restaurants	148		N	Y
32	Del Mar Die Casting Co Inc	12901 S Western Ave	Gardena	CA	90249	Nonferrous, Except Al, Die-Casting Foundries	140		N	N*
33	American Waste Transfer	1449 W Rosecrans Ave	Gardena	CA	90249	Solid Waste Landfill	140		N	N
34	Millenium Industrial Tire	137 Alondra Boulevard	Gardena	CA	90248	Automotive Parts & Accessories Stores	130	M	N	N*
35	DCH Gardena Honda	15541 S Western Ave	Gardena	CA	90249	New Car Dealers	130		N	Y
36	Charles E Thomas Co Inc	13701 Alma Ave	Gardena	CA	90249	New Motor Vehicle Parts Merchant Whols	118	M	N	Y
37	Weiss Sheet Metal Co	1715 W 135th St	Gardena	CA	90249	Plumbing & Hvac Contrs	113	M	N	N
38	Gardena Municipal Bus Lines	15350 Van Ness Ave	Gardena	CA	90249	Interurban & Rural Bus Transportation	105		N	N
39	Midori Sushi	15435 S Western Ave	Gardena	CA	90249	Limited-Service Restaurants	105		N	N
40	South Bay Keiro Nursing Home	15115 S Vermont Ave	Gardena	CA	90247	Nursing Care Facilities	105		N	N*

INFOUSA Over 250

1	La County Fire Dept Div 1	1650 W 162nd St	Gardena	CA	90247	Fire Protection	4000		N	N
2	Nissin Foods USA Co Inc	2001 W Rosecrans Ave	Gardena	CA	90249	Retail Bakeries	500	M	N	N
3	Cosco Fire Protection Llc	321 E Gardena Blvd	Gardena	CA	90248	Other Communications Equip Mfg	402	M	Y	Y
4	Gardena City Manager	1700 W 162nd St	Gardena	CA	90247	Administration of General Economic Programs	350		N	N
5	Ramona's Mexican Food Products	13633 S Western Ave	Gardena	CA	90249	All Other Misc Food Mfg	300	M	N	N
6	Prime Wheel Corp	17705 S Main St	Gardena	CA	90248	All Other Durable Goods Merchant Whols	300	M	N	Y
7	LA Taxicab Systems	2129 W Rosecrans Ave	Gardena	CA	90249	Taxi Svc	300	M	N	N
8	Ducommun Aero Structures	268 E Gardena Blvd	Gardena	CA	90248	Institutional Furniture Mfg	260	M	Y	Y
9	Home Depot	740 W 182nd St	Gardena	CA	90248	Residential Remodelers	250		N	N*
10	P B Fasteners	1700 W 132nd St	Gardena	CA	90249	Bolt, Nut, Screw, Rivet & Washer Mfg	250	M	N	N

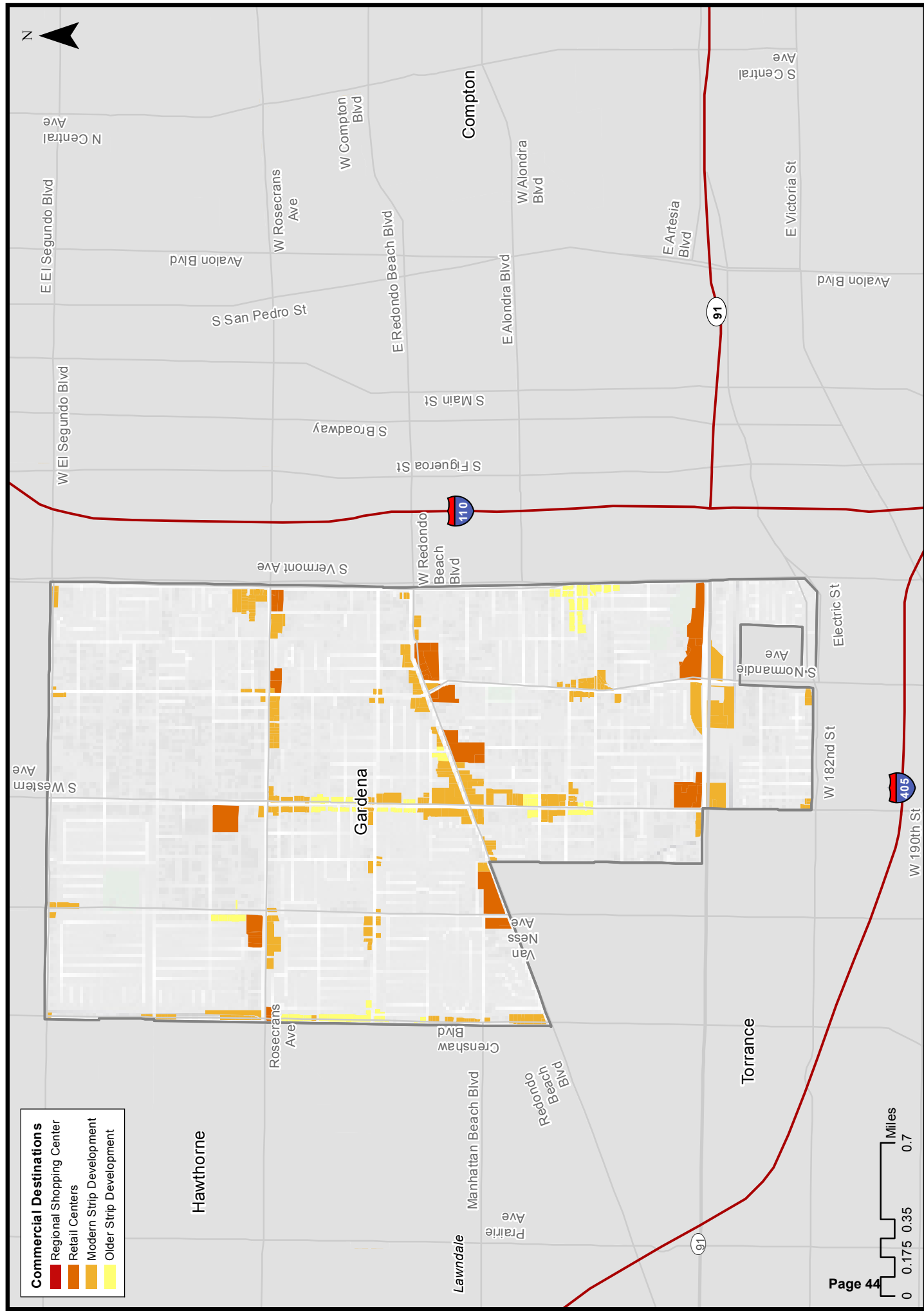
*Reclassified by the Luskien Center

Gardena: Multi-Unit Residential and PEV Registrations

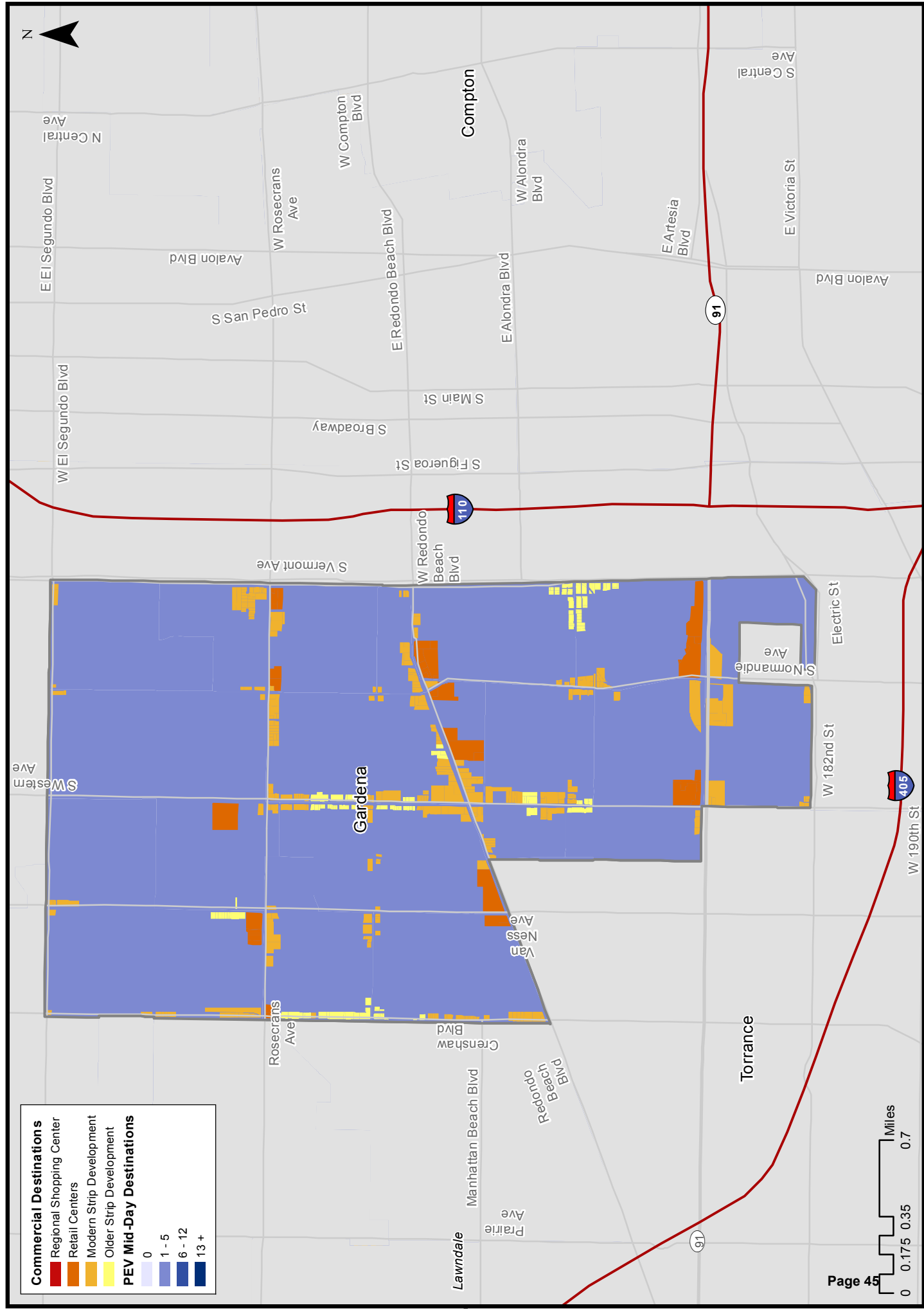


Gardena: Top Multi-Unit Dwellings									
	Address	City	ST	ZIP	Units	Condo	Year Built	Average Value/Unit	PEV Density
1	2501 W Redondo Beach Blvd	Gardena	CA	90249	124	Y	1971	\$107,409	
2	12901 Vermont Ave	Gardena	CA	90247	104	N	1961	\$37,754	
3	1315 Magnolia Ave	Gardena	CA	90247	92	N	1974	\$60,356	
4	2460 Manhattan Beach Ave	Gardena	CA	90249	75	Y	1990	\$351,788	
5	13605 S Vermont Ave	Gardena	CA	90247	66	N	1962	\$75,442	
6	14417 S Vermont Ave	Gardena	CA	90247	64	N	1968	\$15,428	
7	14427 S Vermont Ave	Gardena	CA	90247	64	N	1968	\$15,486	
8	1335 W 139th St	Gardena	CA	90247	63	Y	1980	\$137,943	
9	1028 Marine Ave	Gardena	CA	90247	61	N	1971	\$75,052	
10	15000 Halldale Ave	Gardena	CA	90247	56	Y	1979	\$134,558	
11	1120 W 15th St	Gardena	CA	90247	54	N	1962	\$50,434	
12	1321 W Rosecrans Ave	Gardena	CA	90247	52	N	1963	\$41,450	
13	1743 W 149th St	Gardena	CA	90247	49	Y	1991	\$357,625	
14	1239 W Rosecrans Ave	Gardena	CA	90247	48	Y	1981	\$306,918	
15	15020 Dublin Ave	Gardena	CA	90249	45	N	1956	\$21,460	
16	1130 Marine Ave	Gardena	CA	90247	44	N	1960	\$13,592	
17	16025 S Western Ave	Gardena	CA	90247	42	N	1960	\$34,414	
18	1261 W Rosecrans Ave	Gardena	CA	90247	42	N	1970	\$54,995	
19	1281 W Rosecrans Ave	Gardena	CA	90247	42	N	1970	\$50,590	
20	15312 S Normandie Ave	Gardena	CA	90247	40	Y	1961	\$96,025	

Gardena: Commercial (Retail) Destinations



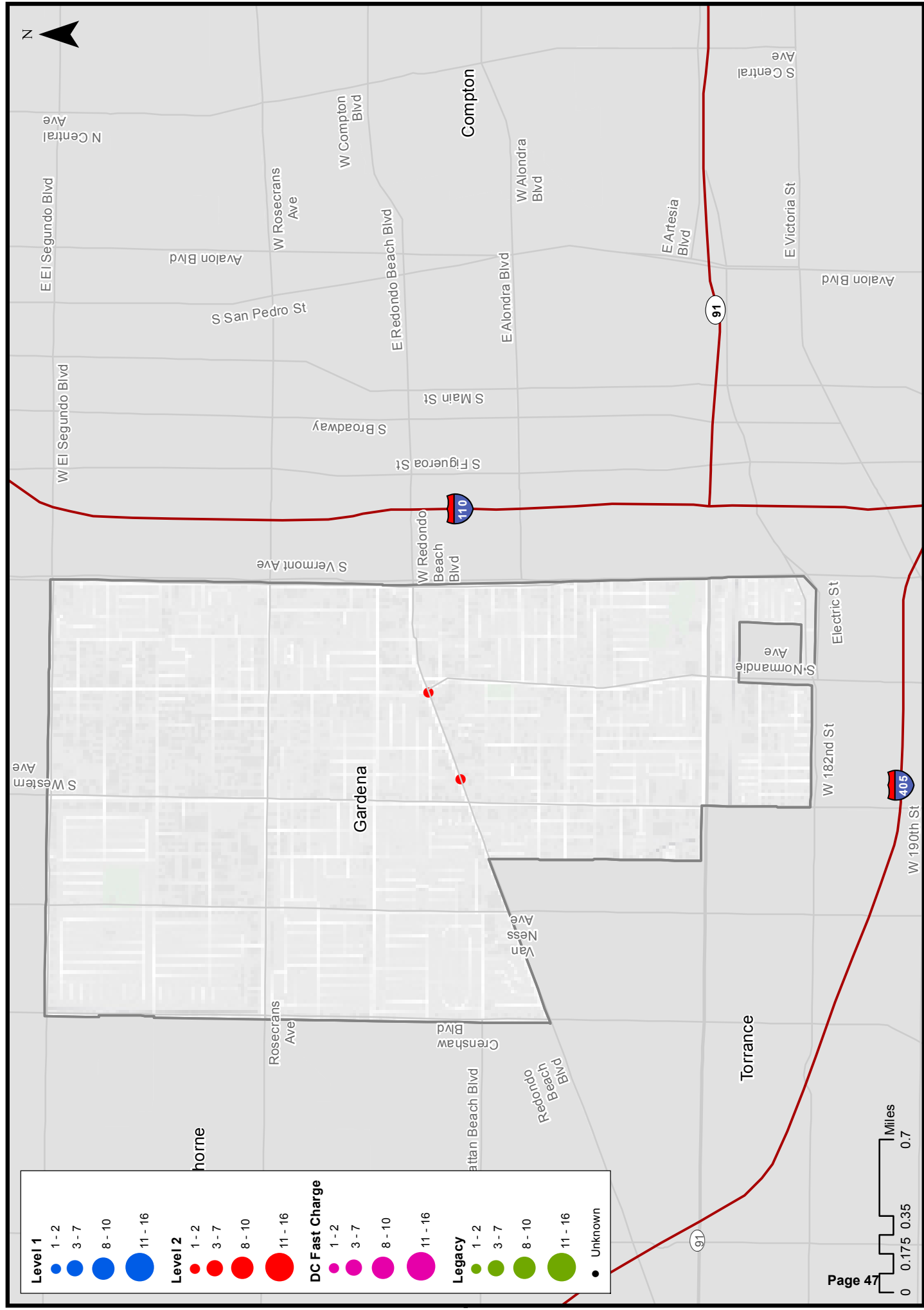
Gardena: PEV Mid-Day Destinations and Commercial (Retail) Locations



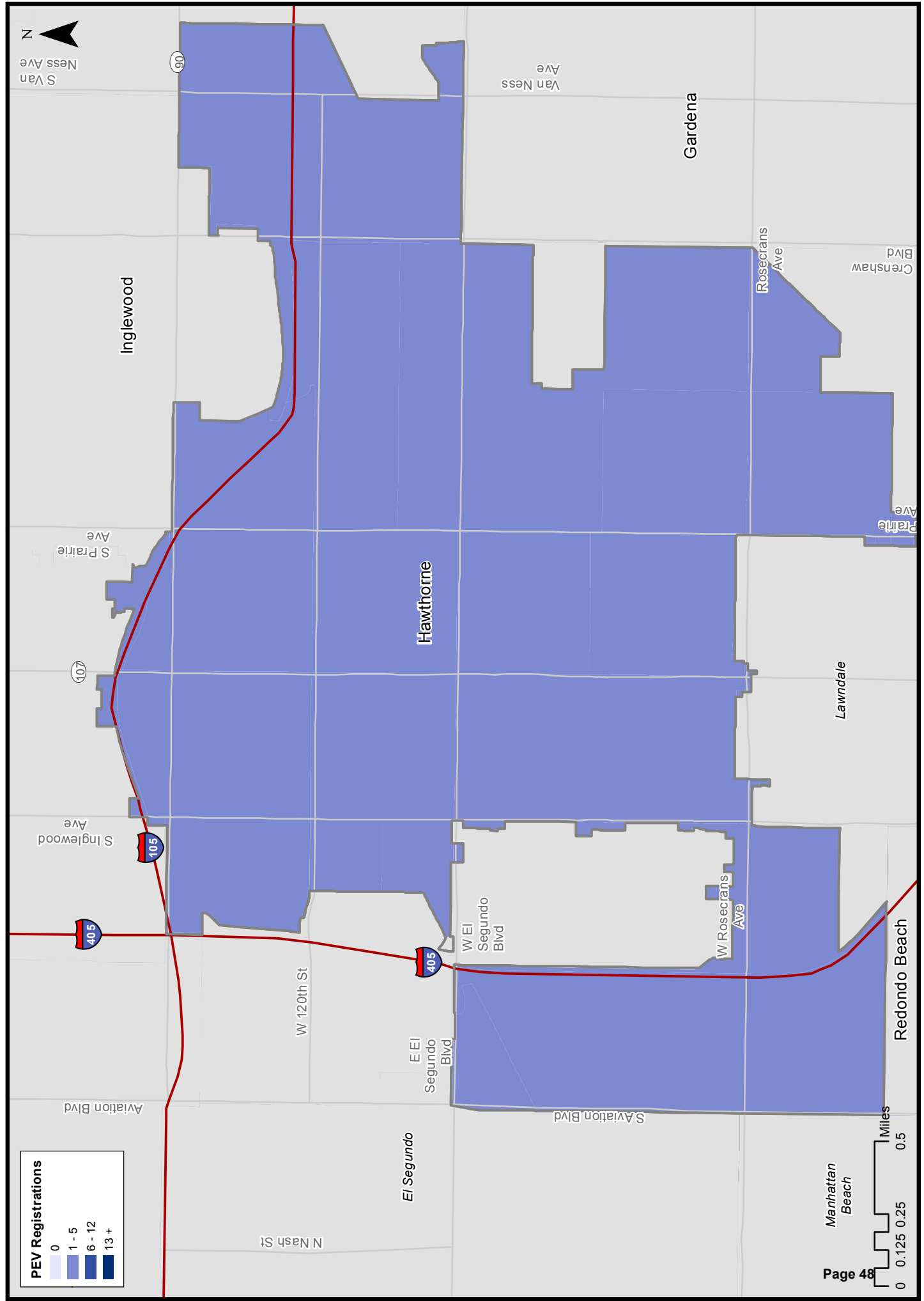
Gardena: Top Retailers									
	Company	Address	City	ST	ZIP	NAICS Code	Type	Annual Sales Volume (in thousands)	PEV Density
1	DCH Gardena Honda	15541 S Western Ave	Gardena	CA	90249	44111001	New Car Dealers	\$100,000	
2	Gardena Nissan Inc	1670 W Redondo Beach Blvd	Gardena	CA	90247	44111001	New Car Dealers	\$72,156	
3	Offshore Marine Lab Inc	2010 W 135th St	Gardena	CA	90249	44312007	Computer & Software Stores	\$68,600	
4	Hustler Casino	1000 W Redondo Beach Blvd	Gardena	CA	90247	71329002	Other Gambling Industries	\$57,600	
5	Normandie Casino	1045 W Rosecrans Ave	Gardena	CA	90247	71329002	Other Gambling Industries	\$50,880	
6	Marukai Market	1740 W Artesia Blvd	Gardena	CA	90248	44511003	Supermarkets & Other Grocery Stores	\$49,400	
7	Target	2169 W Redondo Beach Blvd	Gardena	CA	90247	45211101	Department Stores, Except Discount	\$40,260	
8	California Auto Ctr	1233 W Gardena Blvd	Gardena	CA	90247	44111001	New Car Dealers	\$34,360	
9	Sam's Club	1399 W Artesia Blvd	Gardena	CA	90248	45211101	Department Stores, Except Discount	\$29,160	
10	Millenium Industrial Tire	137 Alondra Boulevard	Gardena	CA	90248	44131011	Automotive Parts & Accessories Stores	\$28,730	
11	Albertsons	1735 W Artesia Blvd	Gardena	CA	90248	44511003	Supermarkets & Other Grocery Stores	\$27,450	
12	Gina B Ltd	1630 W 132nd St	Gardena	CA	90249	44211012	Furniture Stores	\$18,360	
13	Ralphs	2201 W Redondo Beach Blvd	Gardena	CA	90247	44511003	Supermarkets & Other Grocery Stores	\$17,290	
14	American Condenser	1628 W 139th St	Gardena	CA	90249	44131003	Automotive Parts & Accessories Stores	\$16,575	
15	French Tradition	13700 Crenshaw Blvd	Gardena	CA	90249	44211012	Furniture Stores	\$14,688	
16	Sahar Industries	1628 W 139th St	Gardena	CA	90249	81131001	Commercial Machinery Repair & Maintenance	\$13,700	
17	Food 4 Less	1299 W Artesia Blvd	Gardena	CA	90248	44511003	Supermarkets & Other Grocery Stores	\$12,350	
18	Tawa Supermarket Inc	1340 W Artesia Blvd	Gardena	CA	90248	44511003	Supermarkets & Other Grocery Stores	\$12,350	
19	MOMS Pharmacy	19300 S Hamilton Ave # 170	Gardena	CA	90248	44611009	Pharmacies & Drug Stores	\$9,150	
20	Vons	1260 W Redondo Beach Blvd	Gardena	CA	90247	44511003	Supermarkets & Other Grocery Stores	\$8,800	
21	Ace Soft Tooling	311 E 157th St	Gardena	CA	90248	44122904	All Other Motor Vehicle Dealers	\$8,680	
22	Ganar Industries Inc	13721 Harvard Pl	Gardena	CA	90249	44122904	All Other Motor Vehicle Dealers	\$8,680	
23	Hmr USA Inc	1535 W Rosecrans Ave	Gardena	CA	90249	44312008	Computer & Software Stores	\$8,575	
24	Rotex-Rotor Exchange	14124 S Western Ave	Gardena	CA	90249	44131001	Automotive Parts & Accessories Stores	\$7,800	
25	PCL West Imaging Inc	16435 Ishida Ave	Gardena	CA	90248	81292103	Photo Finishing Laboratories, Except One-Hour	\$7,150	
26	I & D Auto Parts	12900 Crenshaw Blvd	Gardena	CA	90249	44131011	Automotive Parts & Accessories Stores	\$7,020	
27	Arias Industries Inc	13420 S Normandie Ave	Gardena	CA	90249	44131011	Automotive Parts & Accessories Stores	\$6,825	
28	Budget Uniform Rental Supply	1702 W 134th St	Gardena	CA	90249	81233208	Industrial Launderers	\$6,660	
29	Marukai Everything-98 Cents	1360 W Artesia Blvd	Gardena	CA	90248	44511003	Supermarkets & Other Grocery Stores	\$6,175	
30	Foster Electric USA Inc	13701 Cimarron Ave	Gardena	CA	90249	44311207	Radio, TV & Other Electronics Stores	\$6,137	
31	Nader's Furniture Store Inc	2201 Marine Ave	Gardena	CA	90249	44211012	Furniture Stores	\$6,120	
32	Shilla Restaurant	16944 S Western Ave	Gardena	CA	90247	72221105	Limited-Service Restaurants	\$5,920	
33	Soto & Sanchez Inc I Love LA	13635 Gramercy Pl	Gardena	CA	90249	45322013	Gift, Novelty, & Souvenir Stores	\$5,900	
34	ABC Supply Co	19105 S Figueroa St	Gardena	CA	90248	44411001	Home Centers	\$5,250	
35	All Star Glass	317 W Victoria St	Gardena	CA	90248	44419031	Other Building Material Dealers	\$5,226	
36	YMCA	1000 W Artesia Blvd	Gardena	CA	90248	71394015	Fitness & Recreational Sports Centers	\$5,220	
37	Poseidon Aquatics Wholesale	140 W Gardena Blvd	Gardena	CA	90248	45391005	Pet & Pet Supplies Stores	\$5,181	
38	Reback's Plumbing N' Things	14617 S Western Ave	Gardena	CA	90249	44419053	Other Building Material Dealers	\$5,160	
39	Walgreens	1344 W Redondo Beach Blvd	Gardena	CA	90247	44611009	Pharmacies & Drug Stores	\$4,575	
40	AAA Air Support	1613 W 134th St # 2	Gardena	CA	90249	44122904	All Other Motor Vehicle Dealers	\$4,340	

1 Home Depot	740 182nd St	Gardena	CA	90248				
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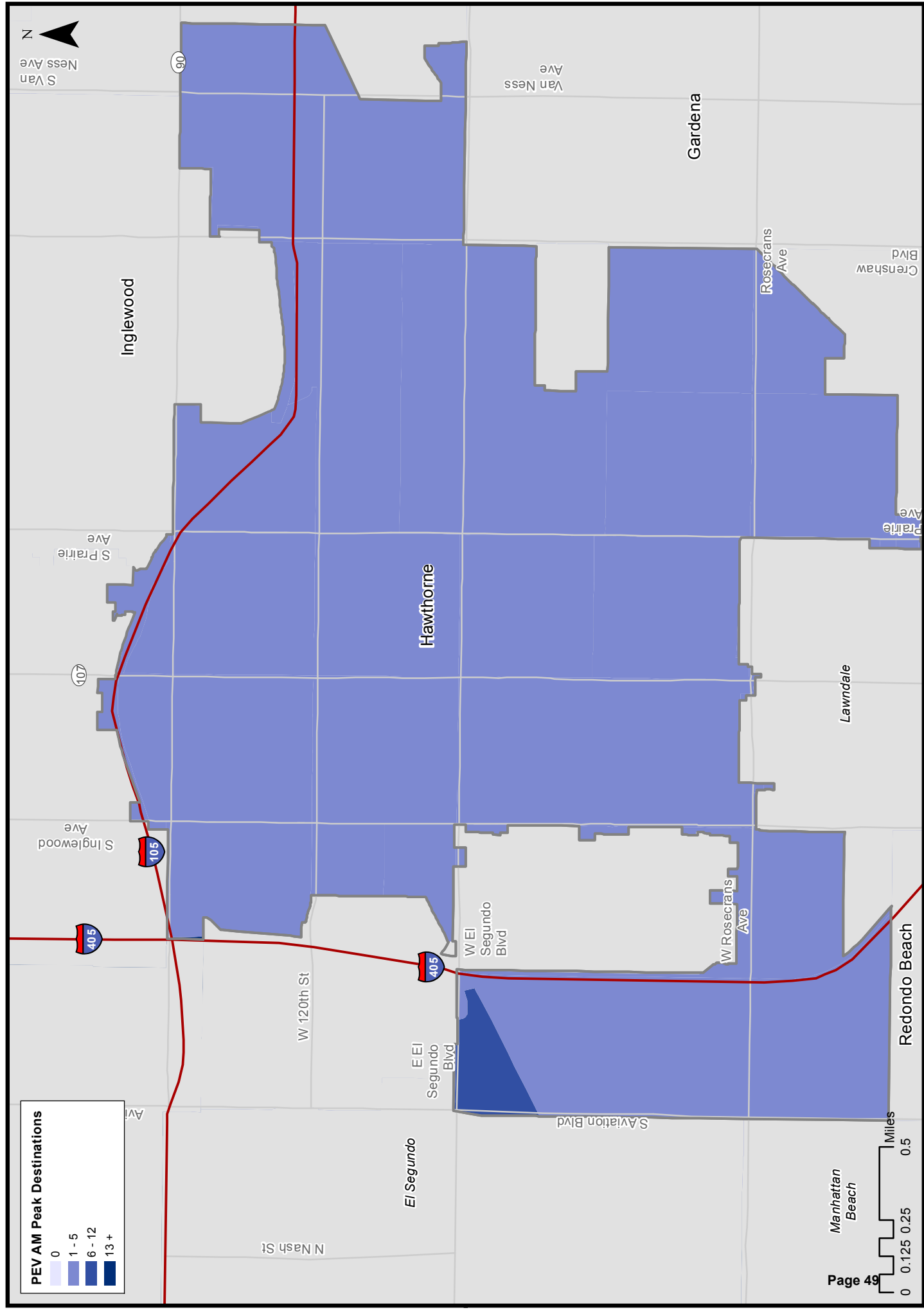
Gardena: Publicly-Accessible Charging Stations (Summer/Fall 2012)



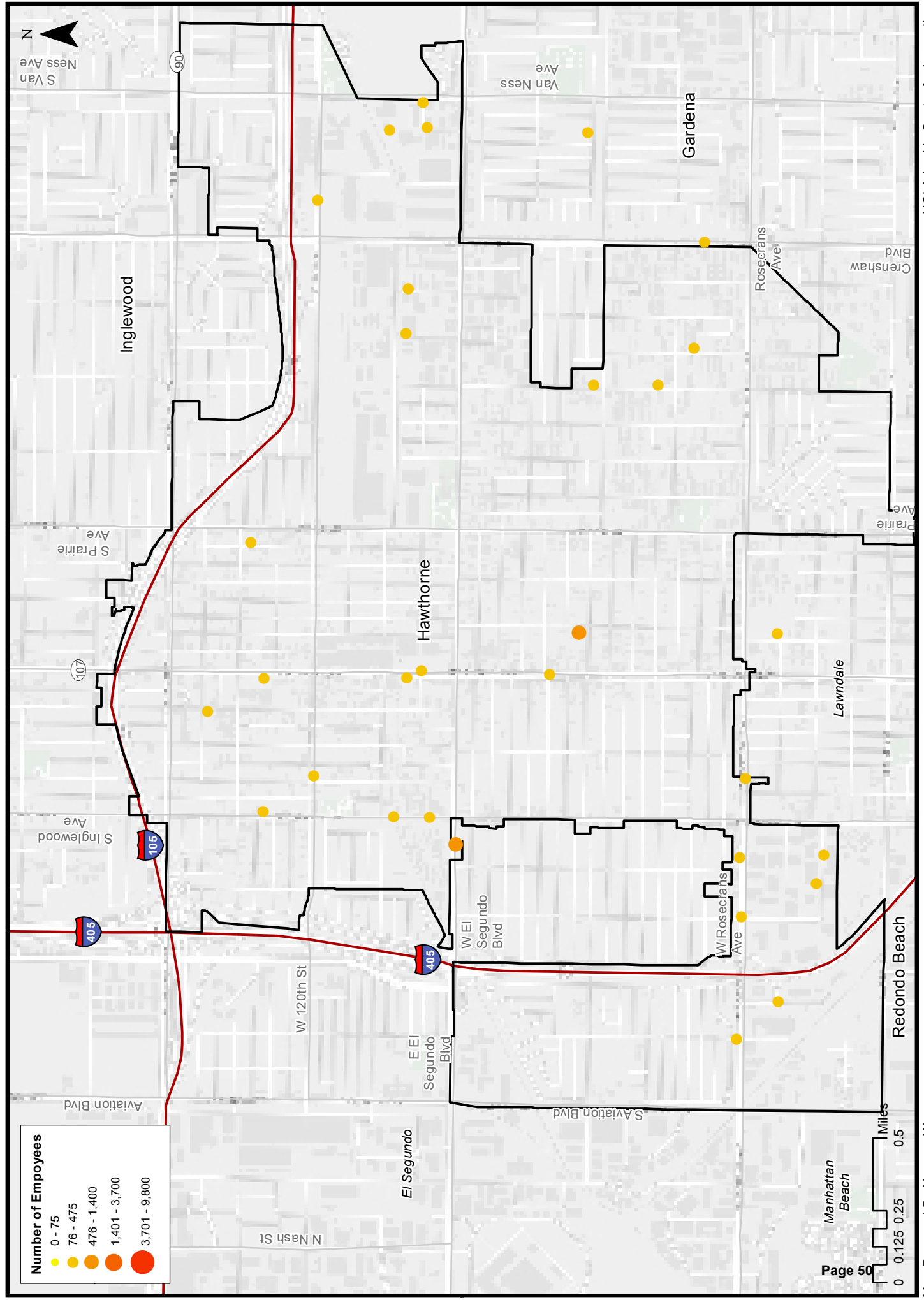
Hawthorne: Plug-in Electric Vehicle Registrations



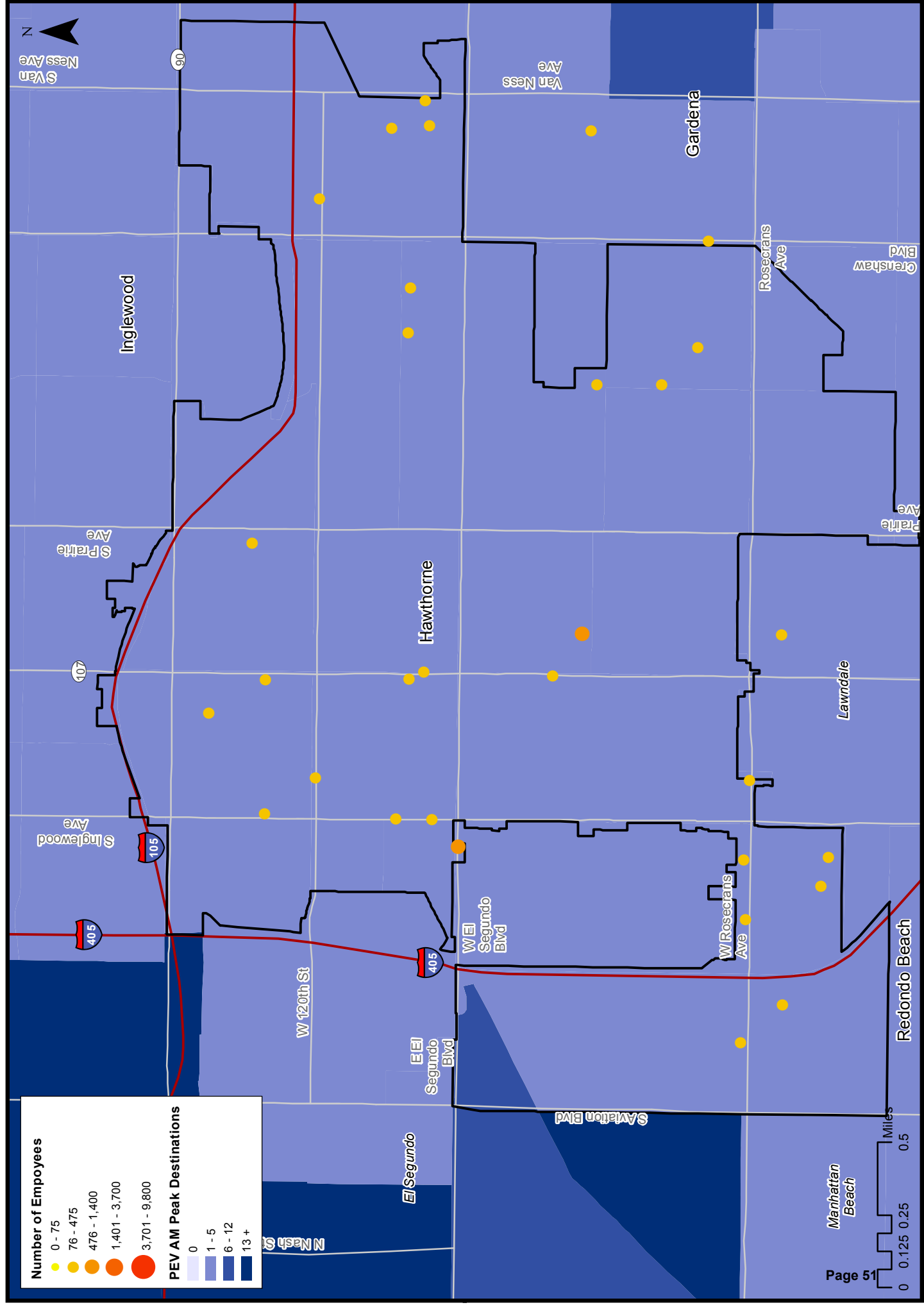
Hawthorne: Plug-in Electric Vehicle Morning Peak Destinations



Hawthorne: Top Workplaces by Number of Employees



Hawthorne: PEV Morning Peak Destinations and Top Workplaces



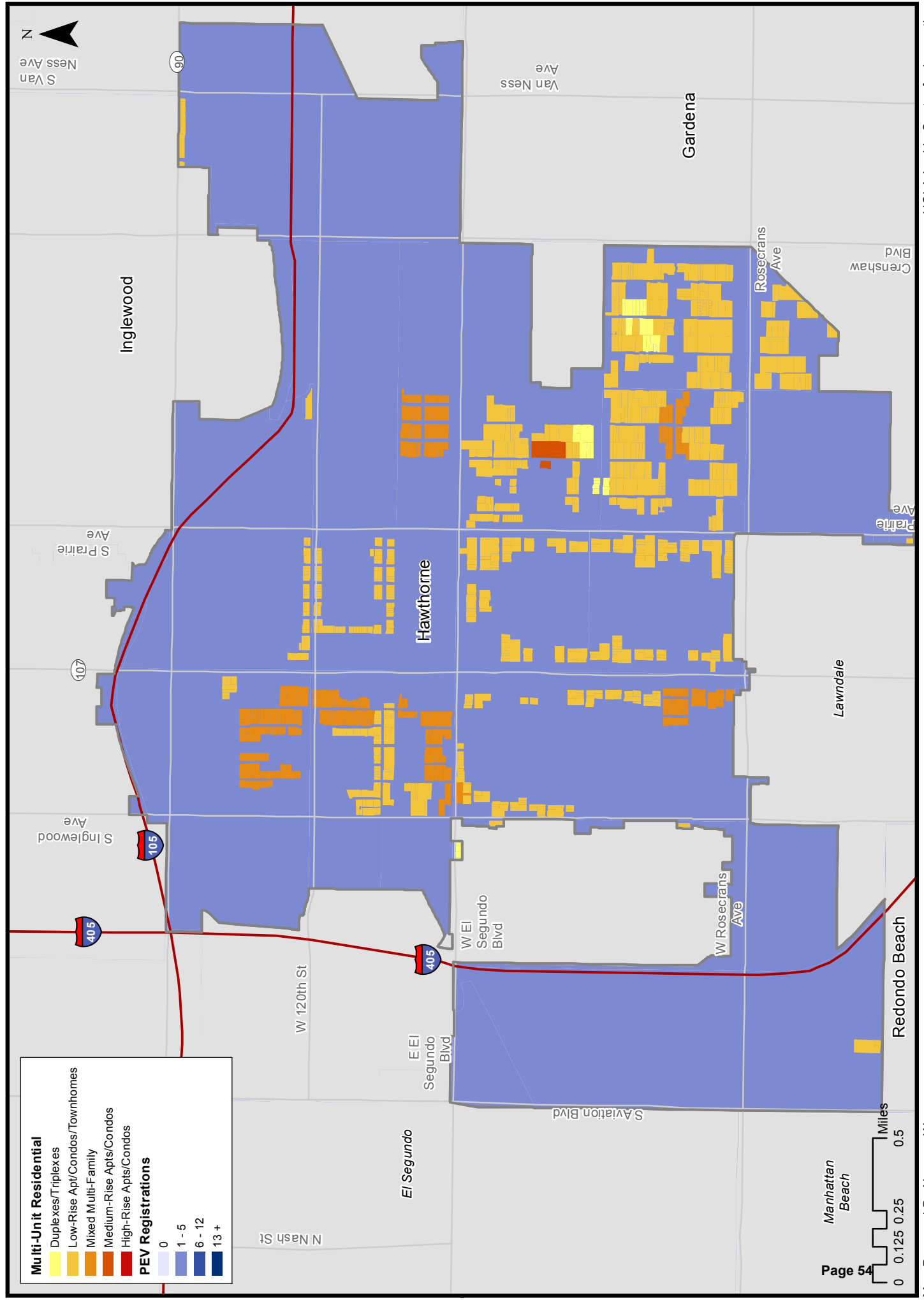
Hawthorne: : Top Employers										
	Company	Address	City	ST	ZIP	Type	Employees	PEV Density	High Tech	White Collar
1	Space Exploration Technologies	1 Rocket Rd	Hawthorne	CA	90250		1,186		Y*	Y*
2	Triumph Aerostructures, LLC	3901 W Jack Northrop Ave	Hawthorne	CA	90250		615		Y*	Y*
3	Los Angeles Cnty Social Svc	12000 Hawthorne Blvd	Hawthorne	CA	90250	Other Human Resource Programs Administration	591		N	N
4	US FAA	15000 Aviation Blvd	Hawthorne	CA	90261	Transportation Program Administration	420		N	N
5	Costco	14501 Hindry Ave	Hawthorne	CA	90250	Toy & Hobby Goods Merchant Whols	317		N	N*
6	Teledyne Relays	12525 Daphne Ave	Hawthorne	CA	90250	Relay & Industrial Control Mfg	280		N	N
7	OSI Systems Inc	12525 Chadron Ave	Hawthorne	CA	90250	Surgical & Medical Instrument Mfg	243		N	N
8	Home Depot	14603 Ocean Gate Ave	Hawthorne	CA	90250	Residential Remodelers	235		N	N*
9	South Bay Lincoln Mercury	5100 W Rosecrans Ave	Hawthorne	CA	90250	New Car Dealers	200		N	Y
10	Bel Air Adt Patrol	5400 W Rosecrans Ave	Hawthorne	CA	90250	Security Guards & Patrol Svcs	200		N	Y
11	Ankra International Llc	4880 W Rosecrans Ave	Hawthorne	CA	90250	Narrow Fabric Mills	150		Y	N
12	L A Metropolitan Medical Ctr	13300 Hawthorne Blvd	Hawthorne	CA	90250	General Medical & Surgical Hospitals	150		N	Y
13	Pacific Volkswagen	14900 Hindry Ave	Hawthorne	CA	90250	New Car Dealers	130		N	Y
14	Best Buy	5000 W 147th St	Hawthorne	CA	90250	Household Appliance Stores	125		N*	N*
15	Evergreen International Avtn	12900 Simms Ave	Hawthorne	CA	90250	Scheduled Passenger Air Transportation	125		N	N
16	H H Hiatt Furniture Mfg Co	12520 Chadron Ave	Hawthorne	CA	90250	Upholstered Household Furniture Mfg	124		N	N
17	General Security Svc Inc	14009 Crenshaw Blvd	Hawthorne	CA	90250	Security Guards & Patrol Svcs	122		N	Y
18	Power Chevrolet	14610 Hindry Ave	Hawthorne	CA	90250	New Car Dealers	120		N	Y
19	US Post Office	12700 Inglewood Ave	Hawthorne	CA	90250	Postal Svc	120		N	N
20	Eucalyptus Elementary School	12044 Eucalyptus Ave	Hawthorne	CA	90250	Elementary & Secondary Schools	120		N	Y
21	Cranes Home Entertainment City	4900 W 147th St	Hawthorne	CA	90250	Radio, TV & Other Electronics Stores	113		N	Y
22	First Class Foods Inc	12500 Inglewood Ave	Hawthorne	CA	90250	Animal, Except Poultry, Slaughtering	110		N	N
23	Hawthorne Chief of Police	12501 Hawthorne Blvd	Hawthorne	CA	90250	Police Protection	101		N	N
24	Albertsons	12630 Hawthorne Blvd	Hawthorne	CA	90250	Supermarkets & Other Grocery Stores	100		N	N*
25	Bud Carson Middle School	13838 Yukon Ave	Hawthorne	CA	90250	Elementary & Secondary Schools	100		N	Y
26	York Elementary	11838 York Ave	Hawthorne	CA	90250	Elementary & Secondary Schools	100		N	Y
27	Zela Davis Elementary School	13434 Yukon Ave	Hawthorne	CA	90250	Elementary & Secondary Schools	100		N	Y
28	Windsor Gardens Convalescent	13922 Cerise Ave	Hawthorne	CA	90250	Nursing Care Facilities	100		N	N*
29	Wems Inc Zenith Transformer	4650 W Rosecrans Ave	Hawthorne	CA	90250	Other Electronic Parts Merchant Whols	99		N	Y
30	Vacuum Atmospheres Co	4652 W Rosecrans Ave	Hawthorne	CA	90250	Welding & Soldering Equip Mfg	95		N	Y
31	Wems Inc	4650 W Rosecrans Ave	Hawthorne	CA	90250	Other Electronic Component Mfg	95		Y	N
32	Rapiscan Security Products	3232 W El Segundo Blvd	Hawthorne	CA	90250	Other Communications Equip Mfg	90		N	Y
33	AEM	2205 W 126th St	Hawthorne	CA	90250	All Other Misc Mfg	90		N	N
34	Hawthorne Convalescent Ctr	11630 Grevillea Ave	Hawthorne	CA	90250	Nursing Care Facilities	90		N	N*
35	Richard Marshall Fine Flooring	12520 Wilkie Ave	Hawthorne	CA	90250	Flooring Contrs	85		N	N
36	Century 21 Western Homes	14005 Hawthorne Blvd	Hawthorne	CA	90250	Offices of Real Estate Agents & Brokers	85		N	Y
37	Ramona Elementary School	4617 W 136th St	Hawthorne	CA	90250	Elementary & Secondary Schools	80		N	Y
38	Imperial Crest Healthcare Ctr	11834 Inglewood Ave	Hawthorne	CA	90250	Nursing Care Facilities	80		N	N*
39	Ralphs	11873 Hawthorne Blvd	Hawthorne	CA	90250	Supermarkets & Other Grocery Stores	80		N	N*
40	Hawthorne School District	14120 Hawthorne Blvd	Hawthorne	CA	90250	Elementary & Secondary Schools	75		N	Y

INFOUSA Over 250

1	Hawthorne High School	4859 W El Segundo Blvd	Hawthorne	CA	90250	Elementary & Secondary Schools	500	N	Y
2	Hawthorne City General Info	4455 W 126th St	Hawthorne	CA	90250	Legislative Bodies	500	N	N
3	Textile Unlimited	12524 Cerise Ave	Hawthorne	CA	90250	Other Household Goods Repair & Maintenance	400	N	N
4	Centinela Valley Union High	4859 W El Segundo Blvd	Hawthorne	CA	90250	Elementary & Secondary Schools	350	N	Y
5	Lithographix Inc	12250 Crenshaw Blvd	Hawthorne	CA	90250	Commercial Lithographic Printing	300	N	N
6	Lowe's	2800 W 120th St	Hawthorne	CA	90250	Residential Remodelers	260	N	N*

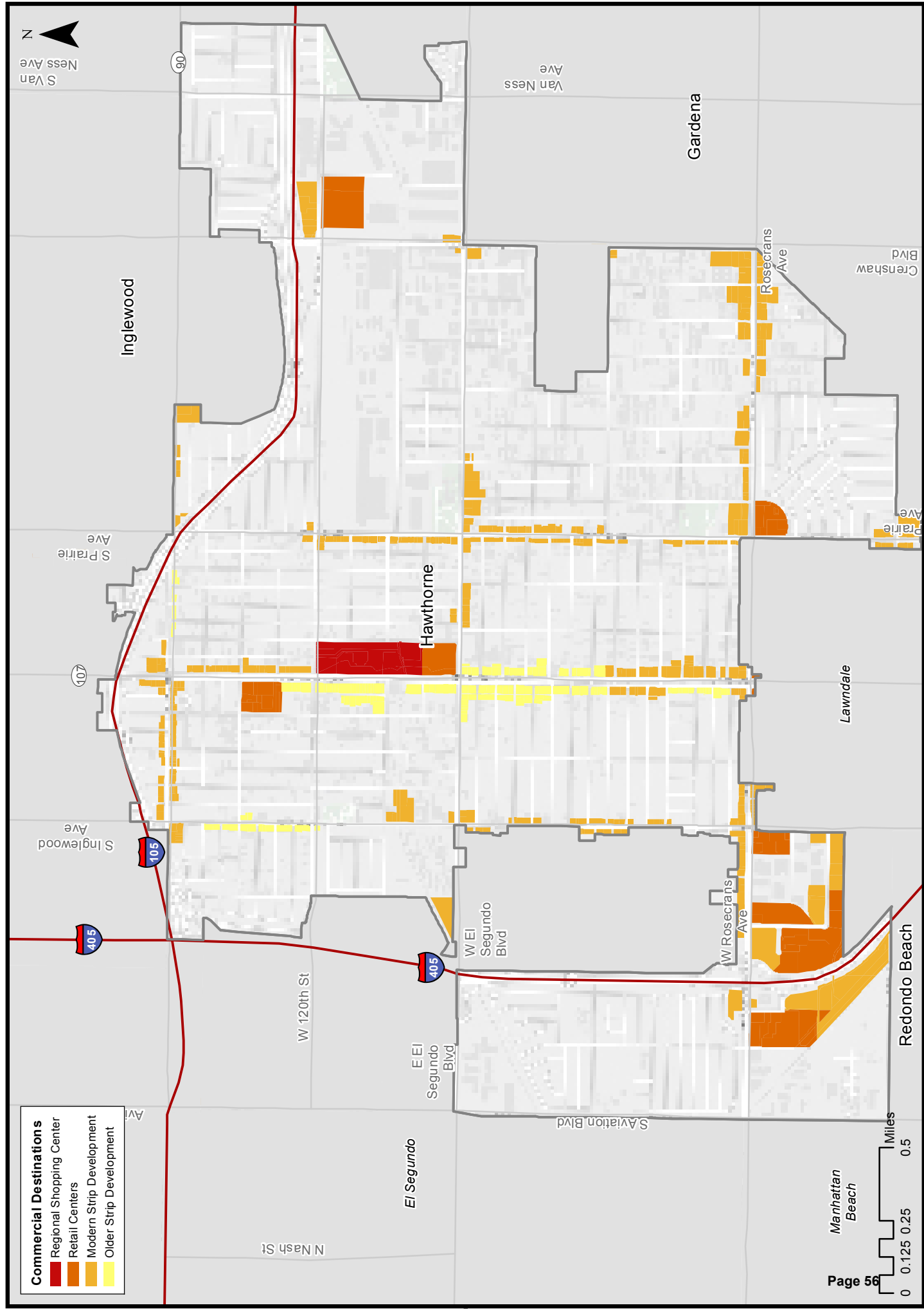
*Reclassified by the Luskin Center

Hawthorne: Multi-Unit Residential and PEV Registrations

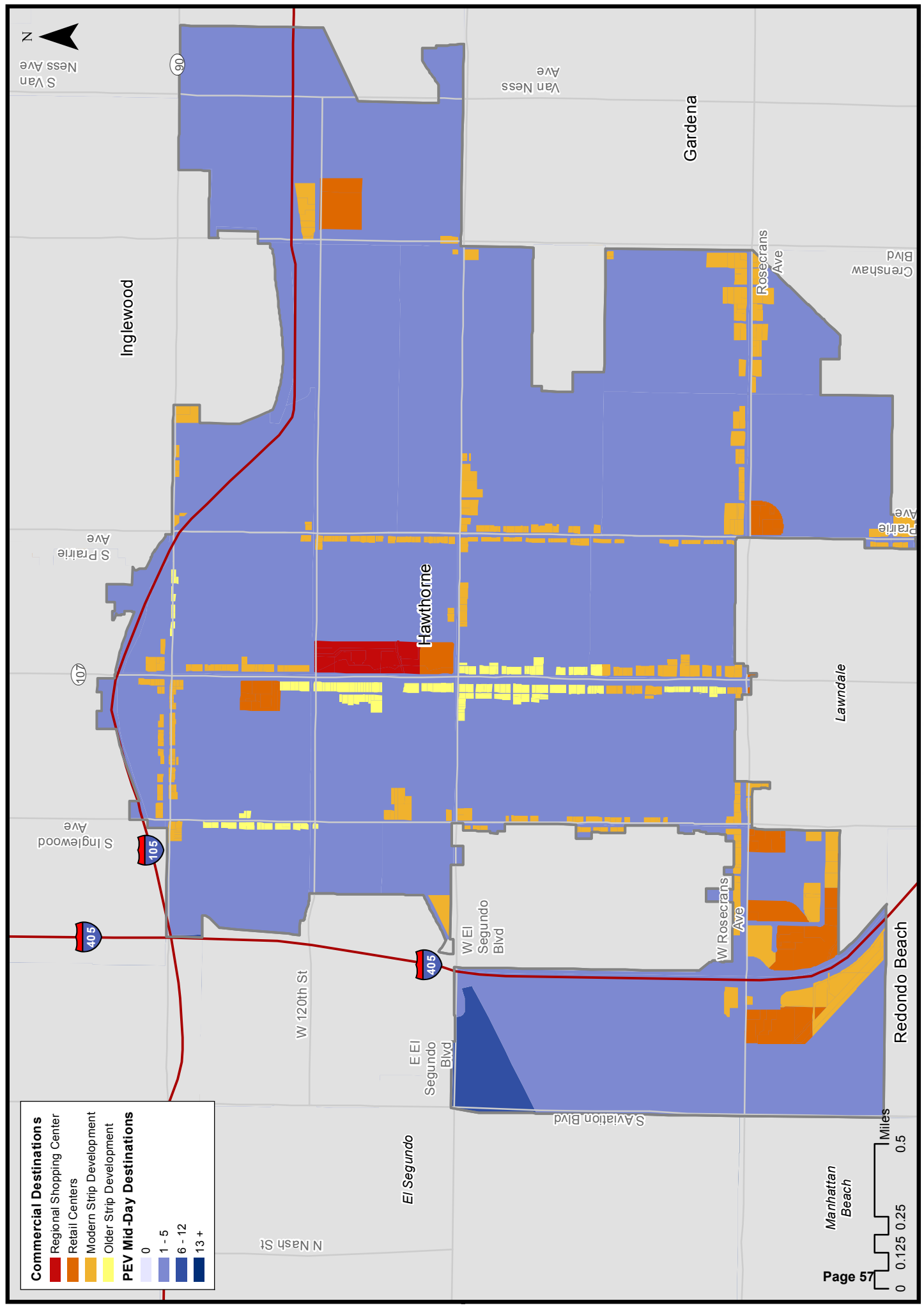


Hawthorne: Top Multi-Unit Dwellings									
	Address	City	ST	ZIP	Units	Condo	Year Built	Average Value/Unit	PEV Density
1	12530 Inglewood Ave	Hawthorne	CA	90250	187	N	1972	\$16,269	
2	3734 W El Segundo Blvd	Hawthorne	CA	90250	130	N	1961	\$88,034	
3	13518 Yukon Ave	Hawthorne	CA	90250	119	N	1971	\$48,012	
4	13607 Cordary Ave	Hawthorne	CA	90250	115	N	1973	\$97,391	
5	14100 Cerisa Ave	Hawthorne	CA	90250	115	N	1972	\$22,890	
6	14027 Lemoli Ave	Hawthorne	CA	90250	114	Y	1990	\$229,429	
7	13750 Lemoli Ave	Hawthorne	CA	90250	107	N	1973	\$97,477	
8	3601 W Rosecrans Ave	Hawthorne	CA	90250	100	N	1973	\$21,047	
9	12830 Prairie Ave	Hawthorne	CA	90250	88	N	1974	\$16,232	
10	14030 Chadron Ave	Hawthorne	CA	90250	86	N	1974	\$32,441	
11	14100 Chadron Ave	Hawthorne	CA	90250	86	N	1974	\$32,441	
12	13724 Chadron Ave	Hawthorne	CA	90250	84	N	1972	\$20,937	
13	13805 Doty Ave	Hawthorne	CA	90250	82	N	1971	\$30,697	
14	14125 Doty Ave	Hawthorne	CA	90250	82	N	1973	\$32,077	
15	13611 Yukon Ave	Hawthorne	CA	90250	81	N	1971	\$46,201	
16	13520 Kornblum Ave	Hawthorne	CA	90250	81	N	1972	\$31,661	
17	13701 Yukon Ave	Hawthorne	CA	90250	81	N	1972	\$33,487	
18	13633 Doty Ave	Hawthorne	CA	90250	80	N	1973	\$29,062	
19	13707 Doty Ave	Hawthorne	CA	90250	80	N	1973	\$92,438	
20	13715 Cordary Ave	Hawthorne	CA	90250	80	N	1971	\$42,016	

Hawthorne: Commercial (Retail) Destinations



Hawthorne: PEV Mid-Day Destinations and Commercial (Retail) Locations



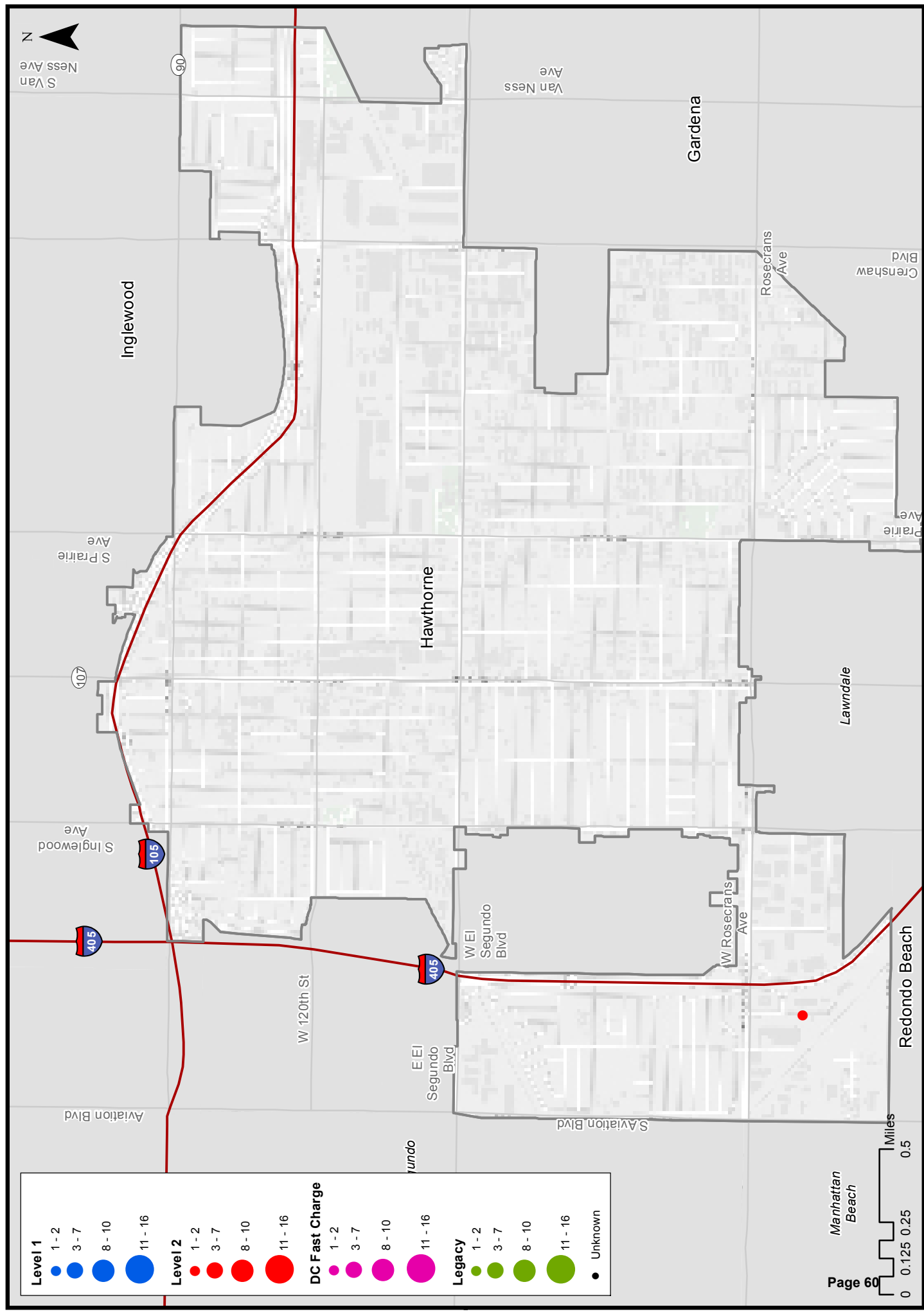
Hawthorne: Top Retailers										
	Company	Address	City	ST	ZIP	NAICS Code	Type	Annual Sales Volume (in thousands)	PEV Density	
1	Pacific Volkswagen	14900 Hindry Ave	Hawthorne	CA	90250	44111001	New Car Dealers	\$111,670		
2	Textile Unlimited	12524 Cerise Ave	Hawthorne	CA	90250	81149020	Other Household Goods Repair & Maintenance	\$48,800		
3	Best Buy	5000 W 147th St	Hawthorne	CA	90250	44311104	Household Appliance Stores	\$40,375		
4	South Bay Lincoln Mercury	5100 W Rosecrans Ave	Hawthorne	CA	90250	44111001	New Car Dealers	\$40,000		
5	Cranes Home Entertainment City	4900 W 147th St	Hawthorne	CA	90250	44311226	Radio, TV & Other Electronics Stores	\$36,499		
6	Autosales Dayton	13401 Inglewood Ave	Hawthorne	CA	90250	44111001	New Car Dealers	\$34,360		
7	One Stop Auto	3820 W El Segundo Blvd	Hawthorne	CA	90250	44111001	New Car Dealers	\$34,360		
8	Albertsons	12630 Hawthorne Blvd	Hawthorne	CA	90250	445111003	Supermarkets & Other Grocery Stores	\$24,700		
9	Power Chevrolet	14610 Hindry Ave	Hawthorne	CA	90250	44111001	New Car Dealers	\$20,200		
10	Ralphs	11873 Hawthorne Blvd	Hawthorne	CA	90250	445111003	Supermarkets & Other Grocery Stores	\$19,760		
11	Circuit City	14600 Ocean Gate Ave	Hawthorne	CA	90250	44311207	Radio, TV & Other Electronics Stores	\$19,380		
12	Food 4 Less	14500 Ocean Gate Ave	Hawthorne	CA	90250	44511003	Supermarkets & Other Grocery Stores	\$16,055		
13	Soicher-Marin Gallery	12824 Cerise Ave	Hawthorne	CA	90250	45392002	Art Dealers	\$14,650		
14	Allen Allen USA	3160 W El Segundo Blvd	Hawthorne	CA	90250	44812010	Women's Clothing Stores	\$9,480		
15	Michael's Arts & Crafts	14370 Ocean Gate Ave	Hawthorne	CA	90250	45112011	Hobby, Toy, & Game Stores	\$7,605		
16	Sports Authority	14555 Ocean Gate Ave	Hawthorne	CA	90250	45111055	Sporting Goods Stores	\$7,400		
17	CVS Pharmacy	11831 Hawthorne Blvd	Hawthorne	CA	90250	44611009	Pharmacies & Drug Stores	\$7,320		
18	Ross Dress for Less	14515 Ocean Gate Ave	Hawthorne	CA	90250	45211101	Department Stores, Except Discount	\$7,290		
19	Finance Auto Sales	11604 Prairie Ave	Hawthorne	CA	90250	44112005	Used Car Dealers	\$6,710		
20	Marshalls	14401 Inglewood Ave	Hawthorne	CA	90250	45211101	Department Stores, Except Discount	\$6,480		
21	99 Cents Only Stores	11811 Hawthorne Blvd	Hawthorne	CA	90250	45211201	Discount Department Stores	\$5,304		
22	Reposses Auto Sales	11916 Prairie Ave	Hawthorne	CA	90250	44112005	Used Car Dealers	\$4,697		
23	Seers Lumber Co Inc	3856 W El Segundo Blvd	Hawthorne	CA	90250	44411002	Home Centers	\$4,644		
24	Somerville Plywood Corp	14701 Inglewood Ave	Hawthorne	CA	90250	44419054	Other Building Material Dealers	\$4,644		
25	Party City	14519 Ocean Gate Ave	Hawthorne	CA	90250	45322026	Gift, Novelty, & Souvenir Stores	\$4,366		
26	NAPA Auto Parts	13415 Hawthorne Blvd	Hawthorne	CA	90250	44131011	Automotive Parts & Accessories Stores	\$4,290		
27	Direct A-V	12822 Yukon Ave	Hawthorne	CA	90250	71151001	Independent Artists, Writers, & Performers	\$3,735		
28	Walgreens	14250 Prairie Ave	Hawthorne	CA	90250	44611009	Pharmacies & Drug Stores	\$3,660		
29	National Auto Group	13541 Prairie Ave	Hawthorne	CA	90250	44112005	Used Car Dealers	\$3,355		
30	Warehouse Shoes	12011 Hawthorne Blvd	Hawthorne	CA	90250	44821007	Shoe Stores	\$3,024		
31	Quality Bargain	3904 W Rosecrans Ave	Hawthorne	CA	90250	44511003	Supermarkets & Other Grocery Stores	\$2,964		
32	Ayres Hotel Manhattan Beach	14400 Hindry Ave	Hawthorne	CA	90250	72111002	Hotels & Motels, Except Casino Hotels	\$2,940		
33	Pacifica House Residential	2501 W El Segundo Blvd	Hawthorne	CA	90250	81331904	Other Social Advocacy Organizations	\$2,900		
34	Hanley's Welding Svc	3202 W Rosecrans Ave	Hawthorne	CA	90250	81149058	Other Household Goods Repair & Maintenance	\$2,880		
35	CVS Pharmacy	4775 W Rosecrans Ave	Hawthorne	CA	90250	44611009	Pharmacies & Drug Stores	\$2,745		
36	Ramada-Lax El Segundo	5250 W El Segundo Blvd	Hawthorne	CA	90250	72111002	Hotels & Motels, Except Casino Hotels	\$2,744	M	
37	Hawthorne Nursery	4519 W El Segundo Blvd	Hawthorne	CA	90250	44422012	Nursery, Garden, & Farm Supply Stores	\$2,730		
38	Bally Total Fitness	5005 W El Segundo Blvd	Hawthorne	CA	90250	81219101	Diet & Weight Reducing Centers	\$2,730		
39	Big Lots	13119 Hawthorne Blvd	Hawthorne	CA	90250	45211101	Department Stores, Except Discount	\$2,550		
40	Home Town Buffet	12139 Hawthorne Blvd	Hawthorne	CA	90250	72221105	Limited-Service Restaurants	\$2,440		

Gas stations						
1	Won's Arco	4015 W El Segundo Blvd	Hawthorne	CA	90250	44719005
					Other Gasoline Stations	\$3,248

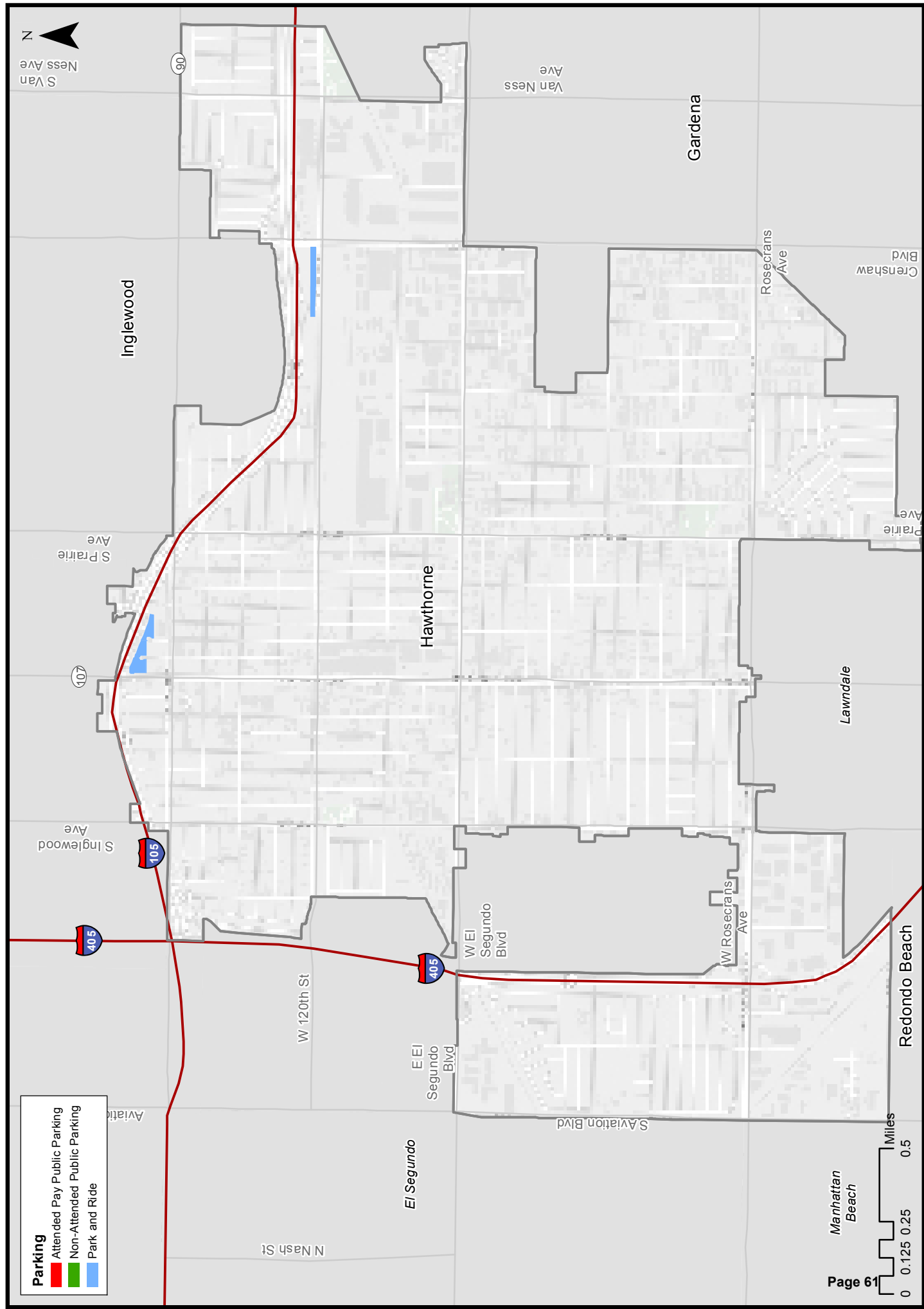
Unranked but significant

1	Home Depot	14603 Ocean Gate Ave	Hawthorne	CA	90250
2	Target	2700 W 120th St	Hawthorne	CA	90250
3	Costco	14501 Hindry Ave	Hawthorne	CA	90250
4	Costco	12530 Prairie Ave	Hawthorne	CA	90250
5	24 Hour Fitness	2831 W 120th St	Hawthorne	CA	90250
6	LA Fitness	5001 W El Segundo Blvd	Hawthorne	CA	90250
7	LA Fitness	4949 W 147th St	Hawthorne	CA	90250

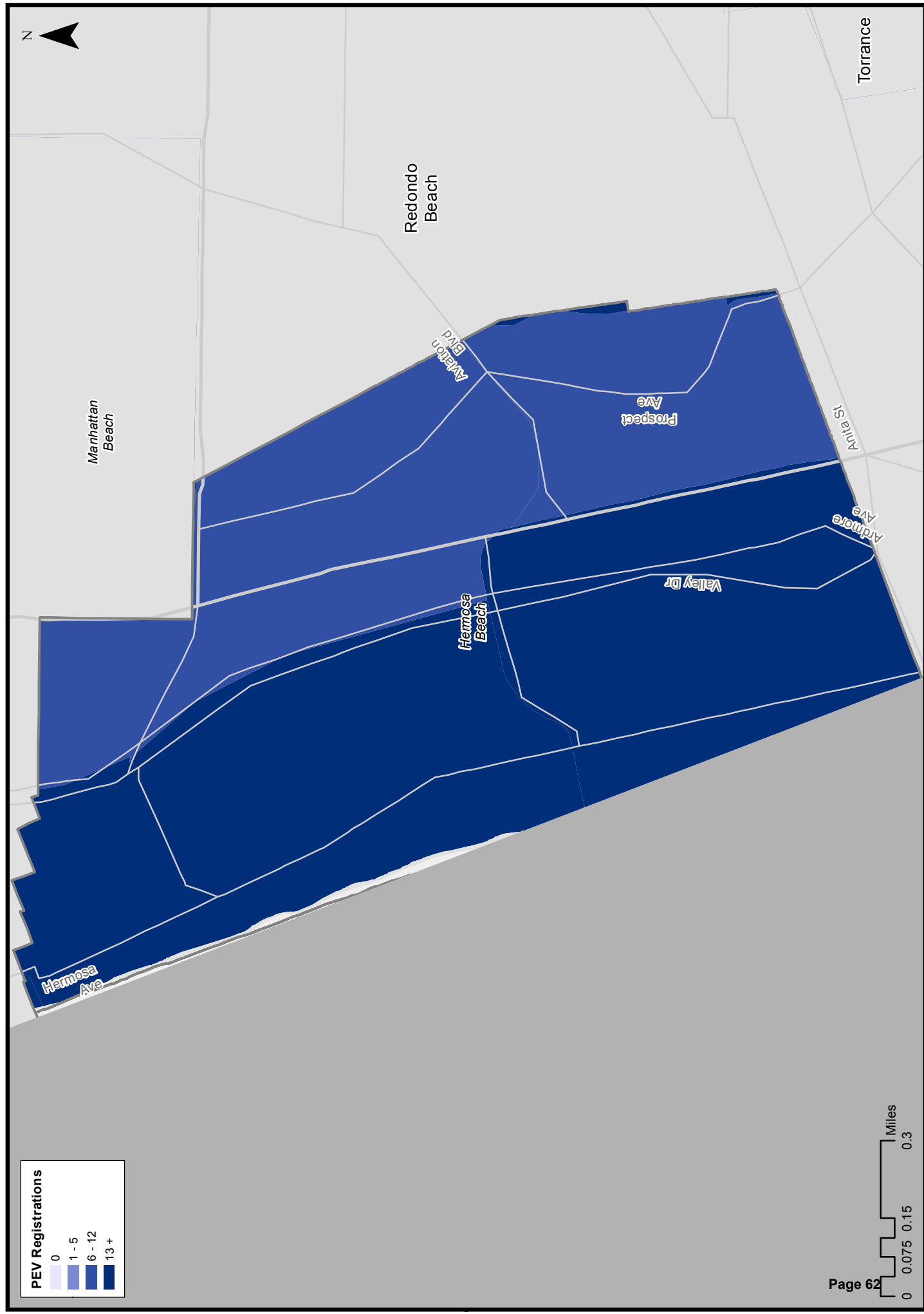
Hawthorne: Publicly-Accessible Charging Stations (Summer/Fall 2012)



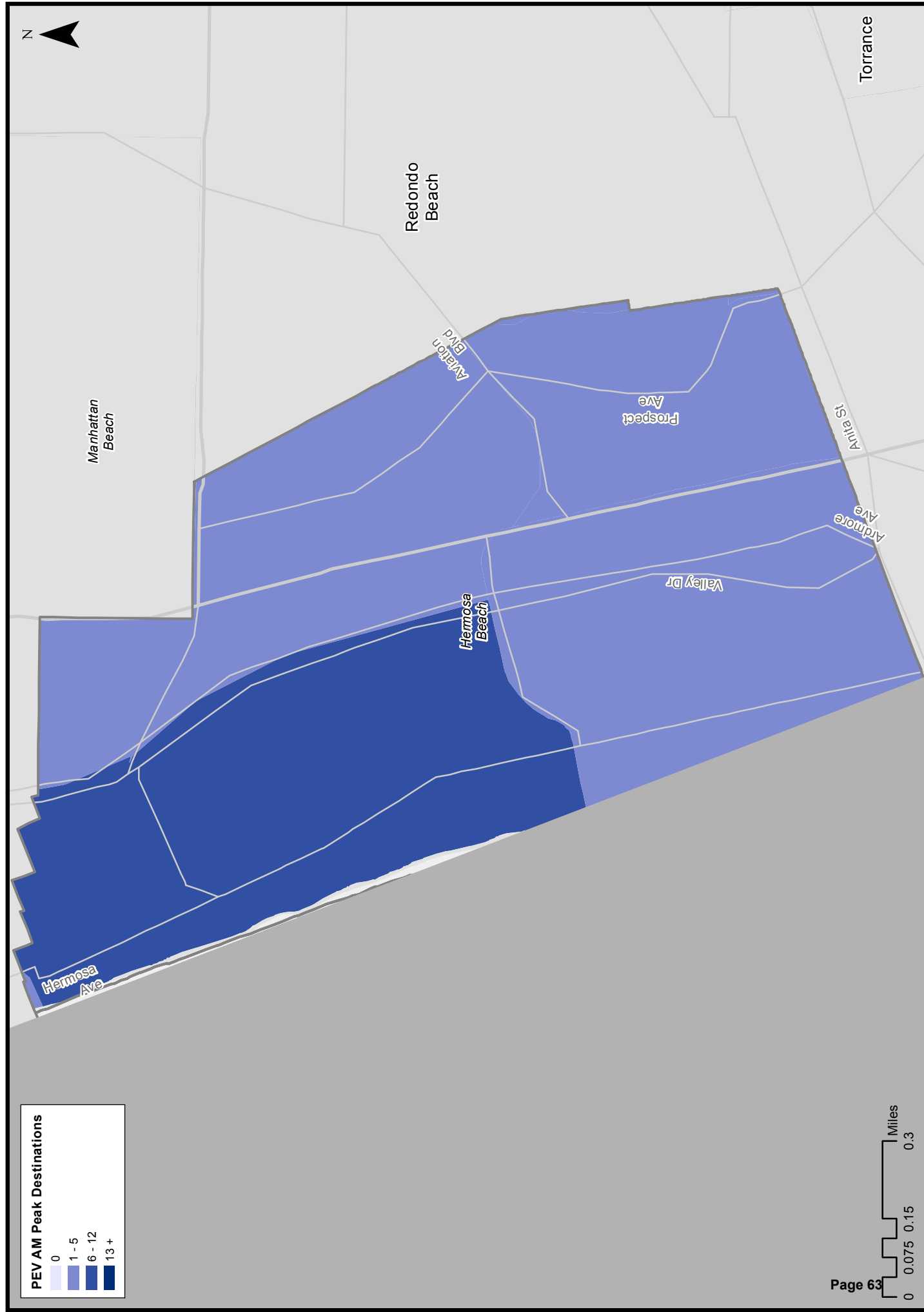
Hawthorne: Stand-alone Parking Facilities



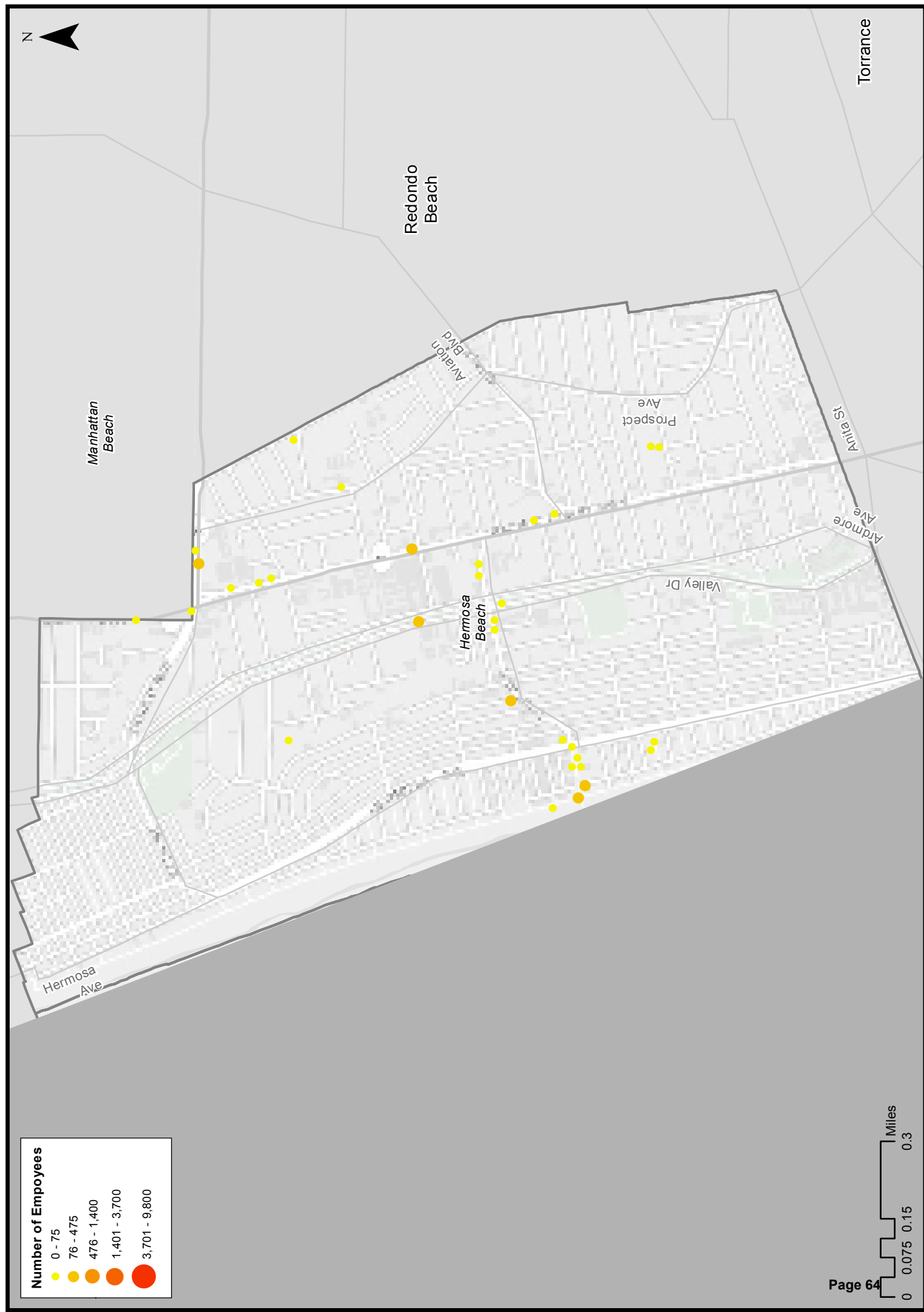
Hermosa Beach: Plug-in Electric Vehicle Registrations



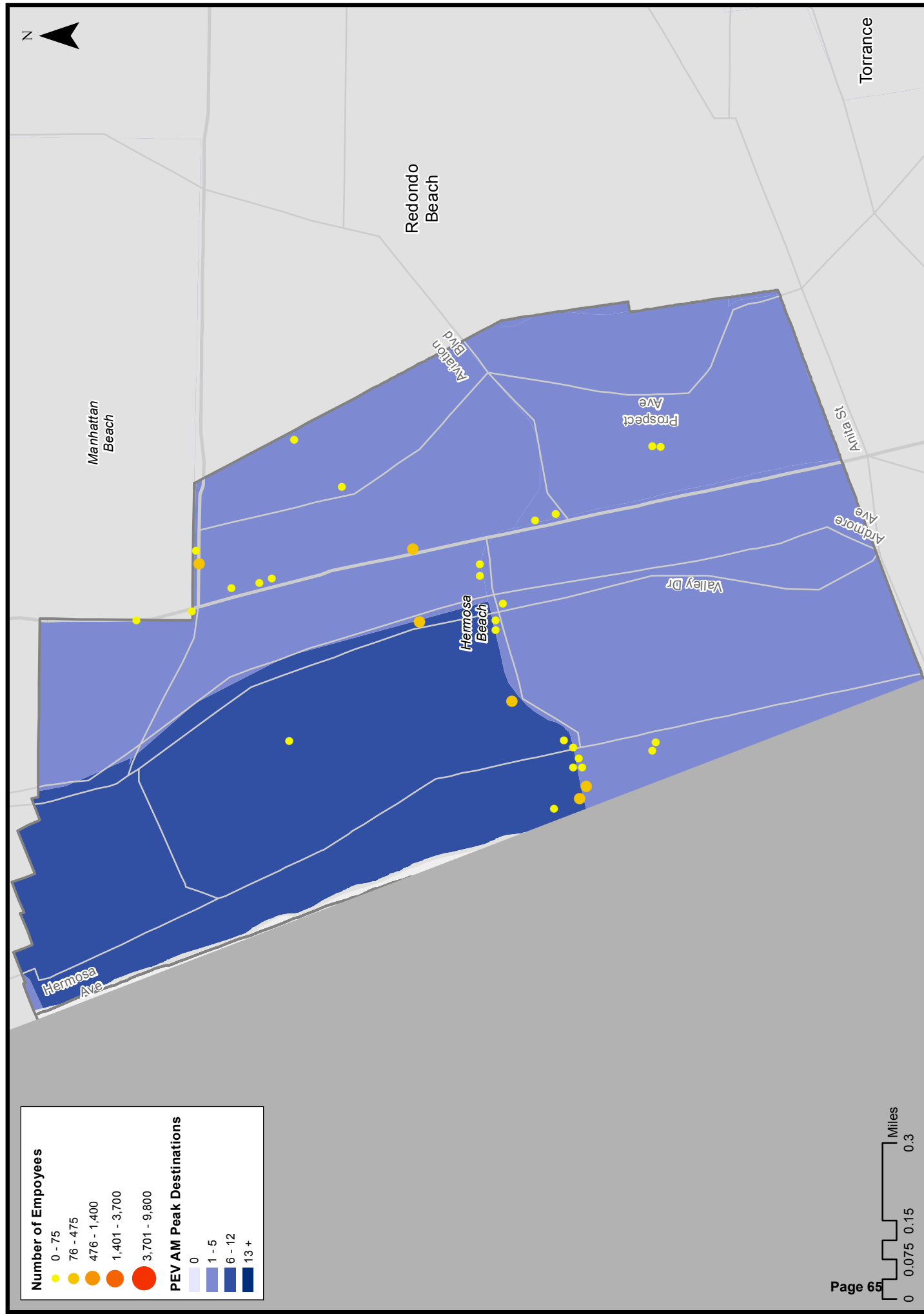
Hermosa Beach: Plug-in Electric Vehicle Morning Peak Destinations



Hermosa Beach: Top Workplaces by Number of Employees



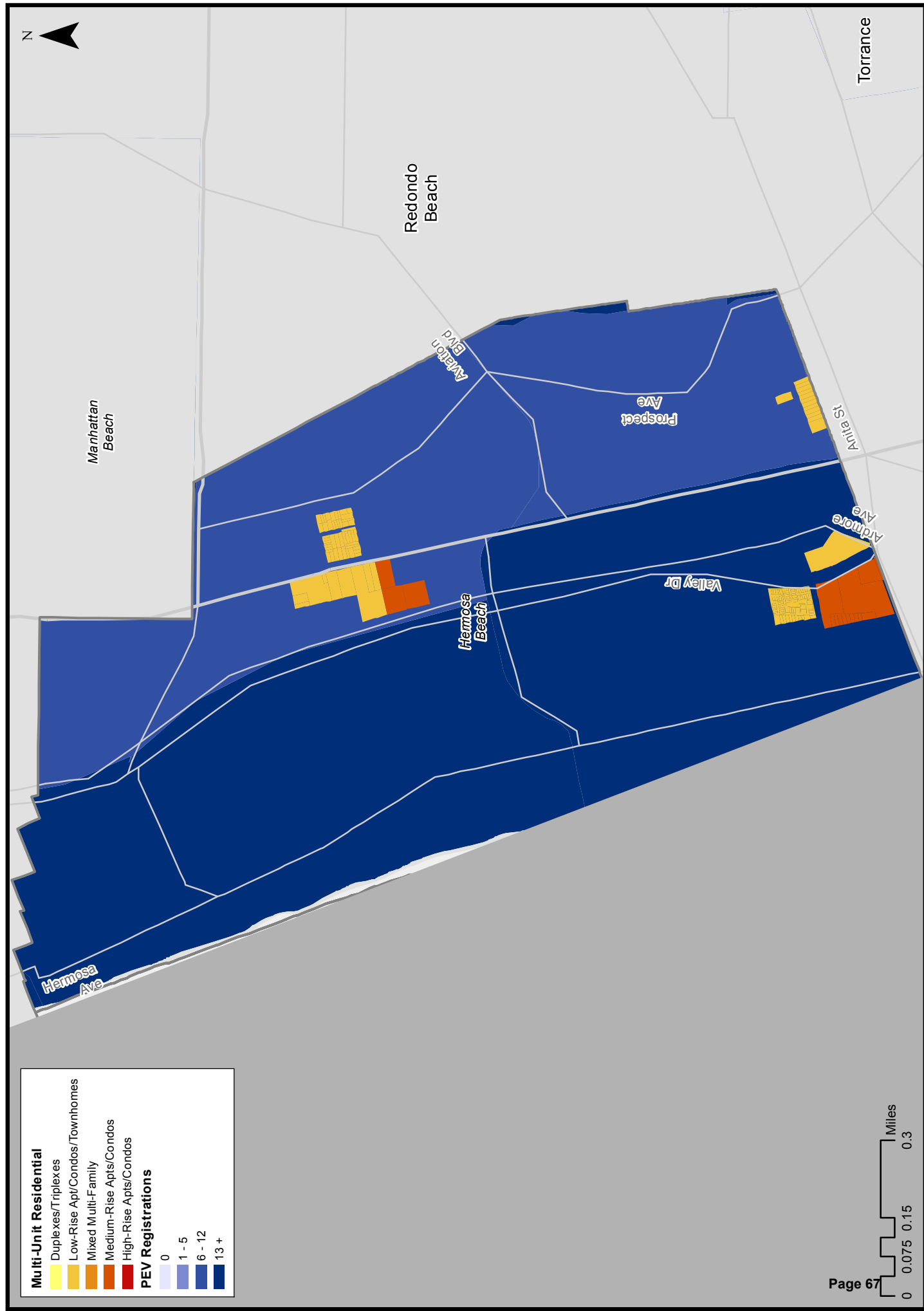
Hermosa Beach: PEV Morning Peak Destinations and Top Workplaces



Hermosa Beach: Top Employers										
	Company	Address	City	ST	ZIP	Type	Employees	PEV Density	High Tech	White Collar
1	Southern Section Lifeguard	1200 the Strand	Hermosa Beach	CA	90254	Legislative Bodies	454	M	N	N
2	Union Cattle Co	1301 Manhattan Ave	Hermosa Beach	CA	90254	Limited-Service Restaurants	140		N	N
3	Vons	715 Pier Ave	Hermosa Beach	CA	90254	Supermarkets & Other Grocery Stores	130		N	N*
4	Hermosa Valley School	1645 Valley Dr	Hermosa Beach	CA	90254	Elementary & Secondary Schools	105	M	N	Y
5	Becker Surfboards	301 Pier Ave	Hermosa Beach	CA	90254	Sporting Goods Stores	100	M	N	Y
6	Keller Williams Beach Cities	1601 Pacific Coast Hwy	Hermosa Beach	CA	90254	Offices of Real Estate Agents & Brokers	100		N	Y
7	La Playita Restaurant	37 14th St	Hermosa Beach	CA	90254	Limited-Service Restaurants	100		N	N
8	Hennessey's Tavern	8 Pier Ave	Hermosa Beach	CA	90254	Drinking Places, Alcoholic Beverages	100		N	N
9	Shorewood-Realtors-Inc	950 Artesia Blvd	Hermosa Beach	CA	90254	Offices of Real Estate Agents & Brokers	98		N	Y
10	Shorewood Realtors	986 Artesia Blvd	Hermosa Beach	CA	90254	Offices of Real Estate Agents & Brokers	97		N	Y
11	Hope Chapel Christian Church	2420 Pacific Coast Hwy	Hermosa Beach	CA	90254	Religious Organizations	60		N	Y
12	Trilogy Spa & Boutique	1301 Manhattan Ave # C	Hermosa Beach	CA	90254	Cosmetology & Barber Schools	57		N	N
13	Patrick Molloy's	50 Pier Ave	Hermosa Beach	CA	90254	Limited-Service Restaurants	51		N	N
14	Comedy & Magic Club	1018 Hermosa Ave	Hermosa Beach	CA	90254	Drinking Places, Alcoholic Beverages	51		N	N
15	Hermosa Beach Police Chief	540 Pier Ave	Hermosa Beach	CA	90254	Police Protection	51		N	N
16	Ralphs	1100 Pacific Coast Hwy	Hermosa Beach	CA	90254	Supermarkets & Other Grocery Stores	50		N	N*
17	Catalist Homes Inc	2601 Pacific Coast Hwy	Hermosa Beach	CA	90254	Offices of Real Estate Agents & Brokers	50		N	Y
18	Lonia Rocca Real Estate	986 Artesia Blvd	Hermosa Beach	CA	90254	Offices of Real Estate Agents & Brokers	50		N	Y
19	Chacker's Perry's Pizza	17 20th St	Hermosa Beach	CA	90254	Full-Service Restaurants	50		N	N
20	Rocky Cola Cafe	1025 Pacific Coast Hwy	Hermosa Beach	CA	90254	Limited-Service Restaurants	50		N	N
21	Saffrie Nightclub & Lounge	705 Pier Ave	Hermosa Beach	CA	90254	Limited-Service Restaurants	49		N	N
22	Prudential California Realty	2615 Pacific Coast Hwy # 100	Hermosa Beach	CA	90254	Offices of Real Estate Agents & Brokers	45		N	Y
23	Police Dept-Crime Prevention	1315 Valley Dr	Hermosa Beach	CA	90254	Police Protection	39		N	N
24	Spyder II	65 Pier Ave	Hermosa Beach	CA	90254	Shoe Stores	35	M	N	Y
25	AEI Consultants	2447 Pacific Coast Hwy	Hermosa Beach	CA	90254	Remediation Svcs	35		N	Y
26	Mediterraneo	73 Pier Ave	Hermosa Beach	CA	90254	Limited-Service Restaurants	35		N	N
27	Round Table Pizza	2701 Pacific Coast Hwy	Hermosa Beach	CA	90254	Limited-Service Restaurants	35		N	N
28	Hermosa View Elementary School	1800 Prospect Ave	Hermosa Beach	CA	90254	Elementary & Secondary Schools	34		N	Y
29	Richard Pola & Assoc Inc	2205 Pacific Coast Hwy	Hermosa Beach	CA	90254	Sign Mfg	30		N	Y
30	Behavior Resources	1216 Hermosa Ave # D	Hermosa Beach	CA	90254	Recyclable Material Merchant Whols	30	M	N	Y
31	SPYDERSURF.COM	65 Pier Ave	Hermosa Beach	CA	90254	Sporting Goods Stores	30	M	N	Y
32	Easy Reader	832 Hermosa Avenue P.O. Box 427	Hermosa Beach	CA	90254	Newspaper Publishers	30		N	Y
33	Seasprites Children's Ctr	417 25th St	Hermosa Beach	CA	90254	Child Day Care Svcs	30	M	N	Y
34	Hermosa Community Resources	710 Pier Ave	Hermosa Beach	CA	90254	Nature Parks & Other Similar Institutions	30		N	N
35	Beach House Inn at Hermosa	1300 the Strand	Hermosa Beach	CA	90254	Hotels & Motels, Except Casino Hotels	30	M	N	N
36	Club Sushi Inc	1200 Hermosa Ave	Hermosa Beach	CA	90254	Limited-Service Restaurants	30	M	N	N
37	Sangria	68 Pier Ave	Hermosa Beach	CA	90254	Limited-Service Restaurants	30		N	N
38	Hermosa Community Resources	710 Pier Ave	Hermosa Beach	CA	90254	Nature Parks & Other Similar Institutions	30		N	N
39	Rainbow River	2154 Monterey Blvd # B	Hermosa Beach	CA	90254	Recreational & Vacation Camps	30	M	N	Y
40	Cafe Boogaloo	1238 Hermosa Ave	Hermosa Beach	CA	90254	Limited-Service Restaurants	27	M	N	N

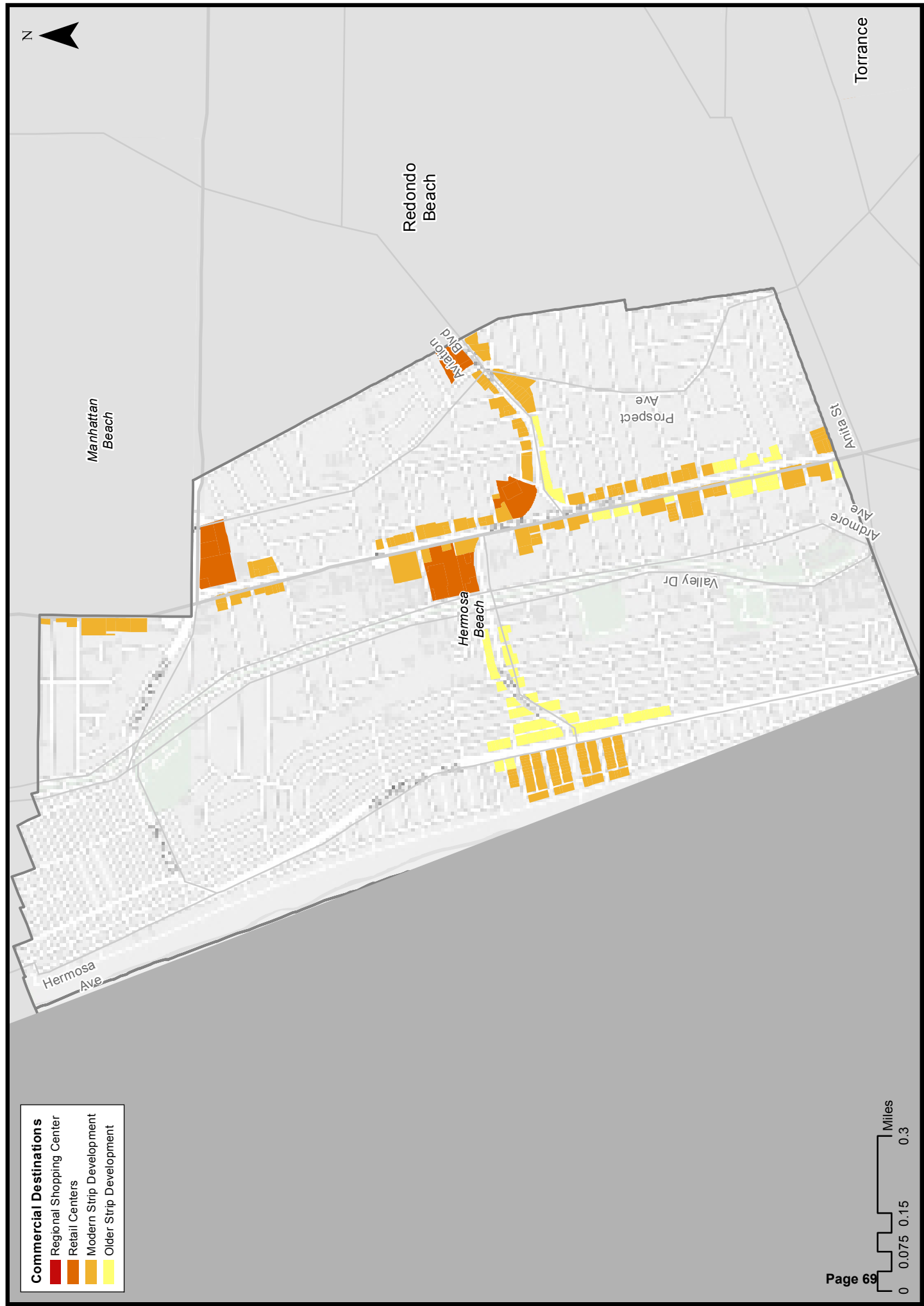
*Reclassified by the Luskin Center

Hermosa Beach: Multi-Unit Residential and PEV Registrations

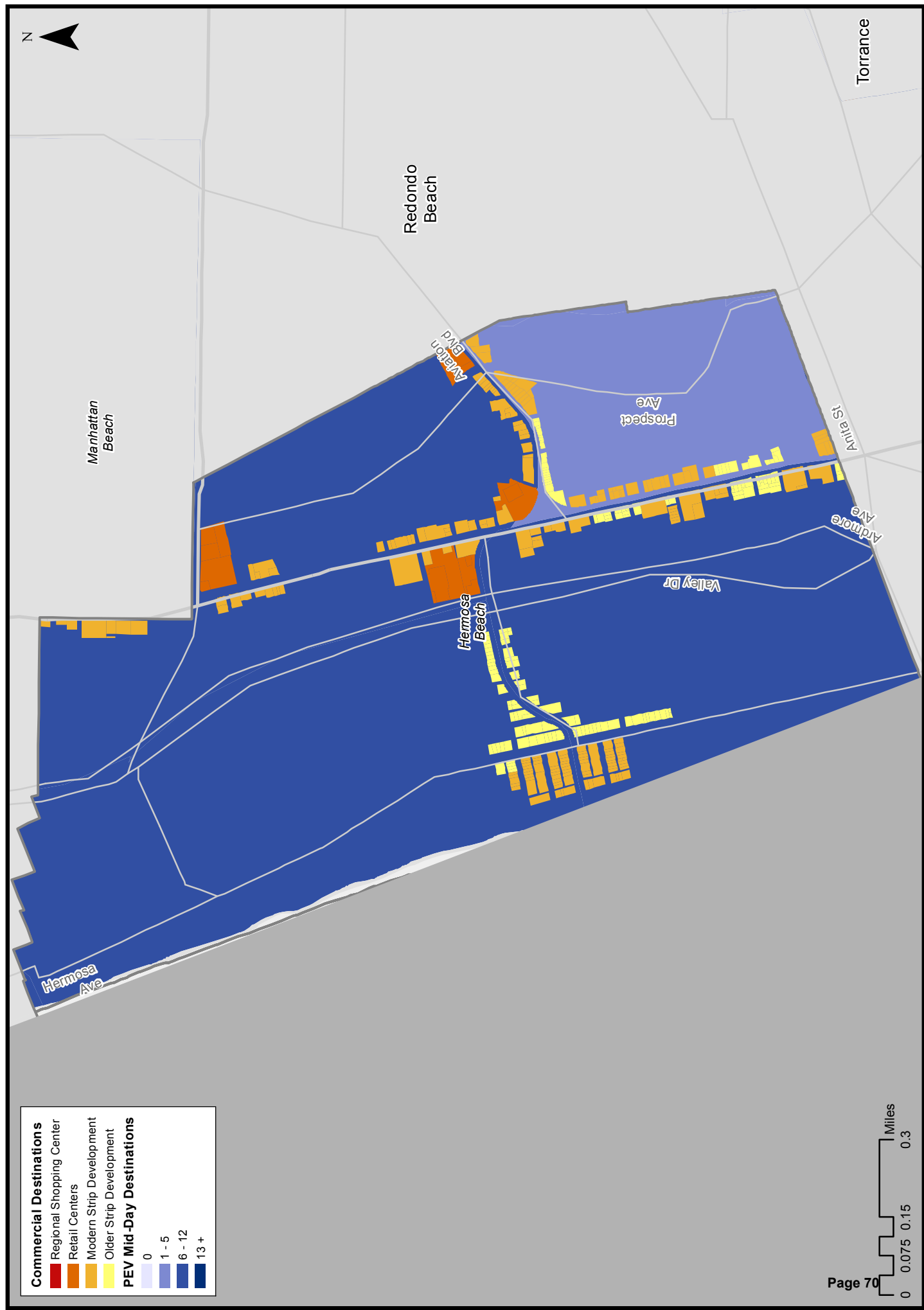


Hermosa Beach: Top Multi-Unit Dwellings									
	Address	City	ST	ZIP	Units	Condo	Year Built	Average Value/Unit	PEV Density
1	415 Herondo St	Hermosa Beach	CA	90254	286	N	1973	\$249,187	H
2	1600 Ardmore Ave	Hermosa Beach	CA	90254	100	Y	1970	\$187,214	
3	501 Herondo St	Hermosa Beach	CA	90254	74	Y	1987	\$441,661	
4	1707 Pacific Coast Hwy	Hermosa Beach	CA	90254	72	Y	1972	\$535,805	
5	1720 Ardmore Ave	Hermosa Beach	CA	90254	71	Y	1970	\$210,987	
6	2411 Prospect Ave	Hermosa Beach	CA	90254	64	Y	1972	\$535,500	
7	1821 Pacific Coast Hwy	Hermosa Beach	CA	90254	52	N	1972	\$197,175	M
8	420 2nd St	Hermosa Beach	CA	90254	44	N	1971	\$1,497,545	H
9	2001 Pacific Coast Hwy	Hermosa Beach	CA	90254	38	N	1964	\$48,240	M
10	736 Gould Ave	Hermosa Beach	CA	90254	33	Y	1980	\$371,581	
11	447 Herondo St	Hermosa Beach	CA	90254	30	Y	1978	\$261,327	
12	1803 Pacific Coast Hwy	Hermosa Beach	CA	90254	28	N	1963	\$114,083	M
13	15 15th St	Hermosa Beach	CA	90254	27	Y	1969	\$275,216	
14	720 21st St	Hermosa Beach	CA	90254	20	N	1969	\$24,750	M
15	1731 Pacific Coast Hwy	Hermosa Beach	CA	90254	20	N	1963	\$128,033	M
16	712 Manhattan Ave	Hermosa Beach	CA	90254	18	N	1936	\$62,068	H
17	840 The Strand	Hermosa Beach	CA	90254	18	N	1923	\$336,757	H
18	1717 Manhattan Ave	Hermosa Beach	CA	90254	17	N	1959	\$34,256	H
19	60 15th St	Hermosa Beach	CA	90254	16	N	1959	\$34,530	H
20	432 11th St	Hermosa Beach	CA	90254	16	N	1971	\$39,652	H

Hermosa Beach: Commercial (Retail) Destinations



Hermosa Beach: PEV Mid-Day Destinations and Commercial (Retail) Locations



Hermosa Beach: Top Retailers									
	Company	Address	City	ST	ZIP	NAICS Code	Type	Annual Sales Volume (in thousands)	PEV Density
1	Vons	715 Pier Ave	Hermosa Beach	CA	90254	44511003	Supermarkets & Other Grocery Stores	\$32,110	
2	Becker Surfboards	301 Pier Ave	Hermosa Beach	CA	90254	45111057	Sporting Goods Stores	\$14,800	M
3	Ralphs	1100 Pacific Coast Hwy	Hermosa Beach	CA	90254	44511003	Supermarkets & Other Grocery Stores	\$12,350	
4	Hennessey's Tavern	8 Pier Ave	Hermosa Beach	CA	90254	72241001	Drinking Places, Alcoholic Beverages	\$6,700	M
5	Hermosa Art Foundation	710 Pier Ave	Hermosa Beach	CA	90254	45392002	Art Dealers	\$6,446	M
6	Union Cattle Co	1301 Manhattan Ave	Hermosa Beach	CA	90254	72221105	Limited-Service Restaurants	\$5,600	
7	Jama Auto House Inc	700 Pacific Coast Hwy	Hermosa Beach	CA	90254	44112005	Used Car Dealers	\$5,368	
8	Spyder II	65 Pier Ave	Hermosa Beach	CA	90254	44821007	Shoe Stores	\$5,180	M
9	SPYDERSURF.COM	65 Pier Ave	Hermosa Beach	CA	90254	45111057	Sporting Goods Stores	\$4,440	M
10	La Playita Restaurant	37 14th St	Hermosa Beach	CA	90254	72221105	Limited-Service Restaurants	\$4,000	M
11	Comedy & Magic Club	1018 Hermosa Ave	Hermosa Beach	CA	90254	72241006	Drinking Places, Alcoholic Beverages	\$3,417	
12	Spiderboards	2461 Pacific Coast Hwy	Hermosa Beach	CA	90254	44821007	Shoe Stores	\$2,960	M
13	E T Surfboards	904 Aviation Blvd	Hermosa Beach	CA	90254	45111057	Sporting Goods Stores	\$2,960	
14	Beach House Inn at Hermosa	1300 the Strand	Hermosa Beach	CA	90254	72111002	Hotels & Motels, Except Casino Hotels	\$2,940	M
15	Civic Light Opera of South Bay	710 Pier Ave	Hermosa Beach	CA	90254	71111007	Theater Companies & Dinner Theaters	\$2,820	
16	Chacker's Perry's Pizza	17 20th St	Hermosa Beach	CA	90254	72211016	Full-Service Restaurants	\$2,800	M
17	Greekos Sandals	1120 Hermosa Ave	Hermosa Beach	CA	90254	45399103	Tobacco Stores	\$2,695	M
18	Brac Motors LLC	303 Pacific Coast Hwy	Hermosa Beach	CA	90254	44112005	Used Car Dealers	\$2,684	M
19	Jamba Juice	703 Pier Ave	Hermosa Beach	CA	90254	44523005	Fruit & Vegetable Markets	\$2,664	
20	Hermosa Community Resources	710 Pier Ave	Hermosa Beach	CA	90254	71219004	Nature Parks & Other Similar Institutions	\$2,610	M
21	Boccato's Groceries	3127 Manhattan Ave	Hermosa Beach	CA	90254	44511001	Supermarkets & Other Grocery Stores	\$2,470	M
22	Patrick Molloy's	50 Pier Ave	Hermosa Beach	CA	90254	72221105	Limited-Service Restaurants	\$2,040	M
23	Coast Music Conservatory	934 Hermosa Ave	Hermosa Beach	CA	90254	45114008	Musical Instrument & Supplies Stores	\$2,016	M
24	Rocky Cola Cafe	1025 Pacific Coast Hwy	Hermosa Beach	CA	90254	72221105	Limited-Service Restaurants	\$2,000	
25	Saffrie Nightclub & Lounge	705 Pier Ave	Hermosa Beach	CA	90254	72221105	Limited-Service Restaurants	\$1,960	M
26	Round Table Pizza	2701 Pacific Coast Hwy	Hermosa Beach	CA	90254	72221105	Limited-Service Restaurants	\$1,960	M
27	Moroccan Blue	59 Pier Ave	Hermosa Beach	CA	90254	44814001	Family Clothing Stores	\$1,860	M
28	Tribeca Design	252 Pacific Coast Hwy	Hermosa Beach	CA	90254	44211012	Furniture Stores	\$1,836	
29	TLC	845 Pacific Coast Hwy	Hermosa Beach	CA	90254	44611009	Pharmacies & Drug Stores	\$1,830	M
30	Aaron Brothers	1559 Pacific Coast Hwy	Hermosa Beach	CA	90254	45399852	Store Retailers Not Specified Elsewhere	\$1,809	
31	Holiday Inn Exp-Hermosa Beach	125 Pacific Coast Hwy	Hermosa Beach	CA	90254	72111002	Hotels & Motels, Except Casino Hotels	\$1,568	
32	Hotel Hermosa	2515 Pacific Coast Hwy	Hermosa Beach	CA	90254	72111002	Hotels & Motels, Except Casino Hotels	\$1,568	M
33	Hermosa Design Ctr	333 Pacific Coast Hwy	Hermosa Beach	CA	90254	44211006	Furniture Stores	\$1,530	
34	MEG Co	901 Hermosa Ave	Hermosa Beach	CA	90254	44814001	Family Clothing Stores	\$1,488	
35	Quality Inn	901 Aviation Blvd	Hermosa Beach	CA	90254	72111002	Hotels & Motels, Except Casino Hotels	\$1,470	M
36	West Marine Products Inc	7 Pacific Coast Hwy	Hermosa Beach	CA	90254	44122215	Boat Dealers	\$1,413	
37	Mediterraneo	73 Pier Ave	Hermosa Beach	CA	90254	72221105	Limited-Service Restaurants	\$1,400	M
38	Hampton Inn-Hermosa Beach	1530 Pacific Coast Hwy	Hermosa Beach	CA	90254	72111002	Hotels & Motels, Except Casino Hotels	\$1,372	M
39	Imagine Audio	308 Palm Dr	Hermosa Beach	CA	90254	44311227	Radio, TV & Other Electronics Stores	\$1,292	M
40	Rainbow River	2154 Monterey Blvd # B	Hermosa Beach	CA	90254	72121403	Recreational & Vacation Camps	\$1,260	M

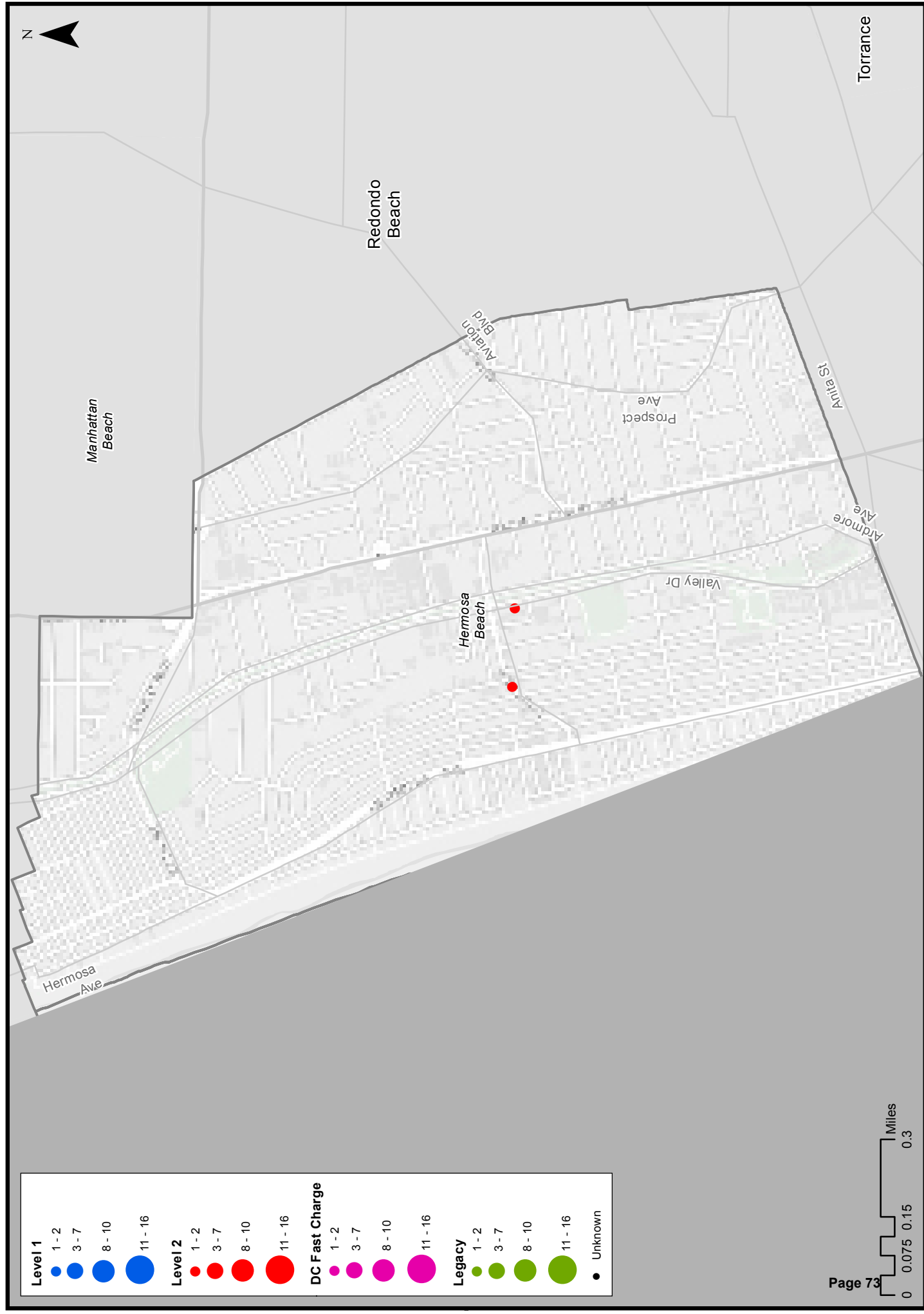
Gas stations

1	Efram's Mobil Svc	931 Pacific Coast Hwy	Hermosa Beach	CA	90254	44719005	Other Gasoline Stations	\$2,784	
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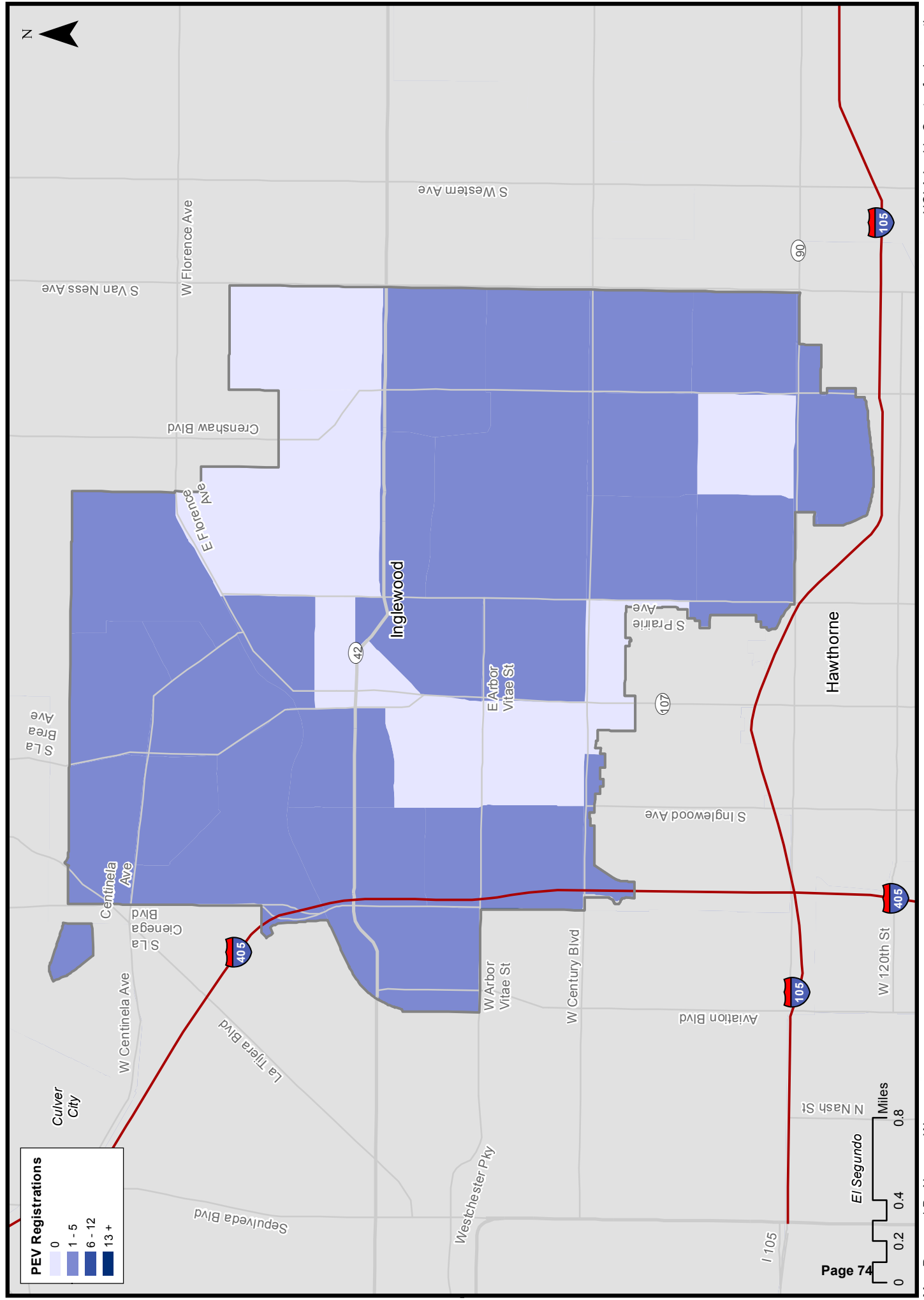
Unranked but significant

1	24 Hour Fitness	1601 Pacific Coast Hwy	Hermosa Beach	CA	90254				M
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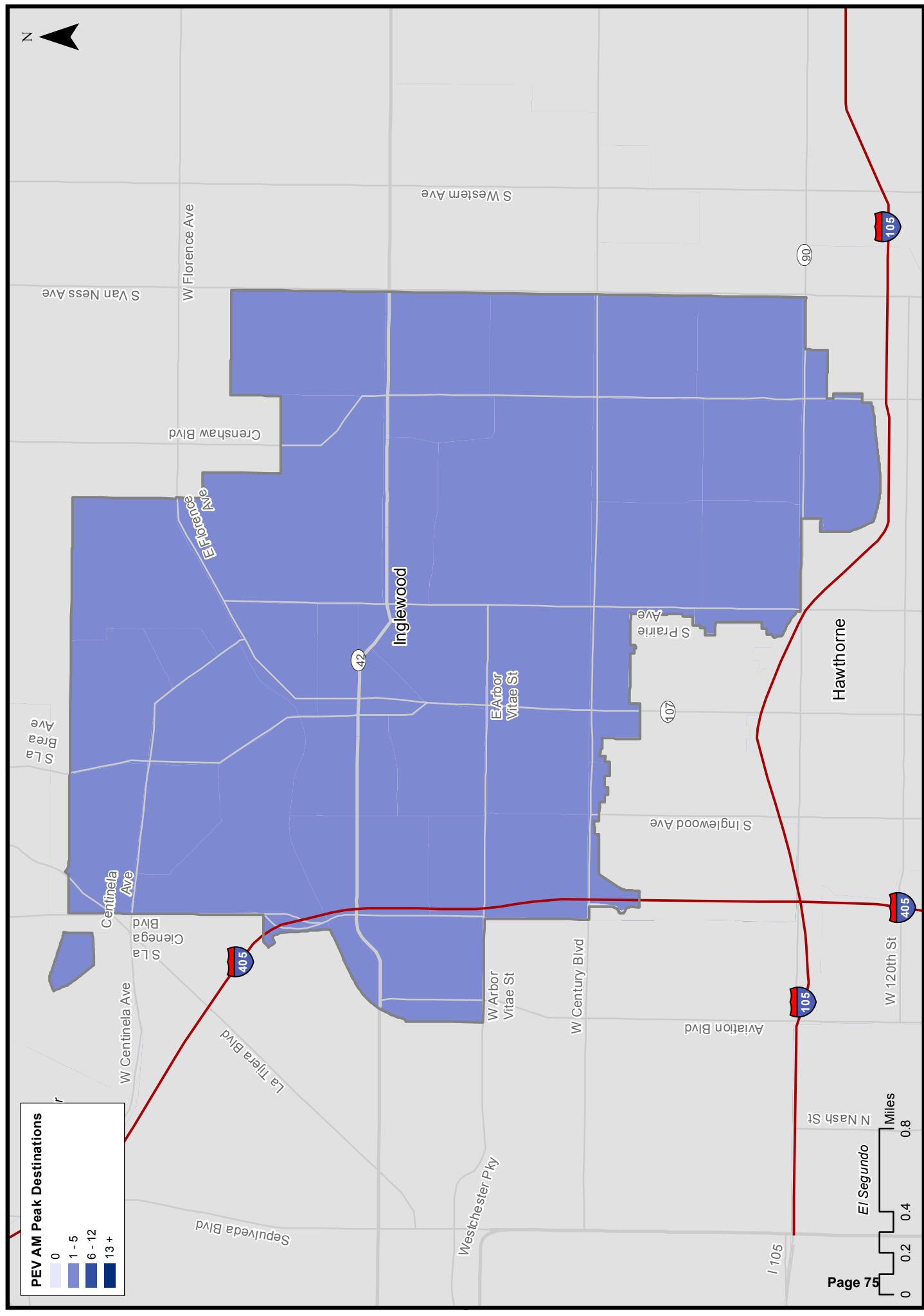
Hermosa Beach: Publicly-Accessible Charging Stations (Summer/Fall 2012)



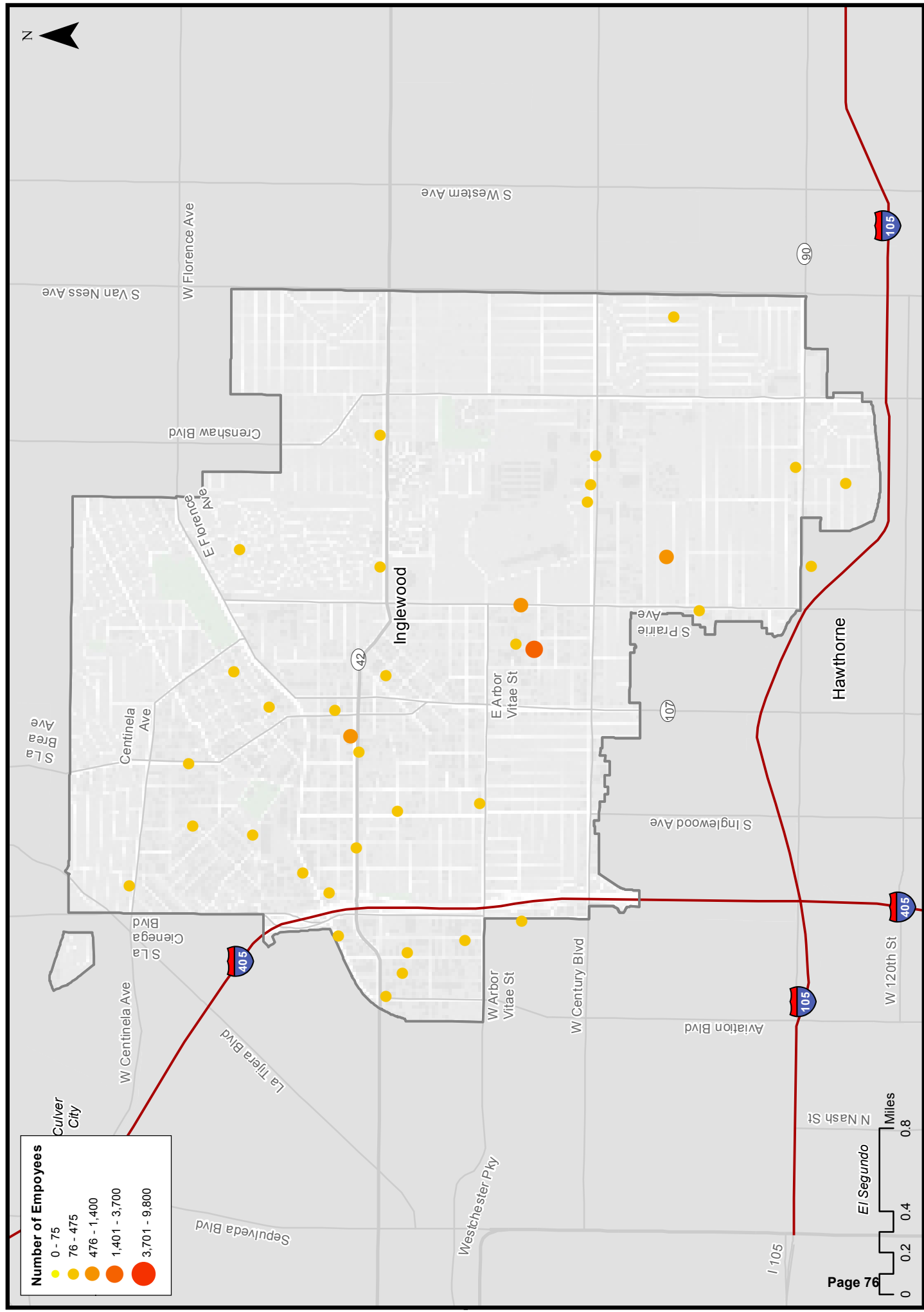
Inglewood: Plug-in Electric Vehicle Registrations



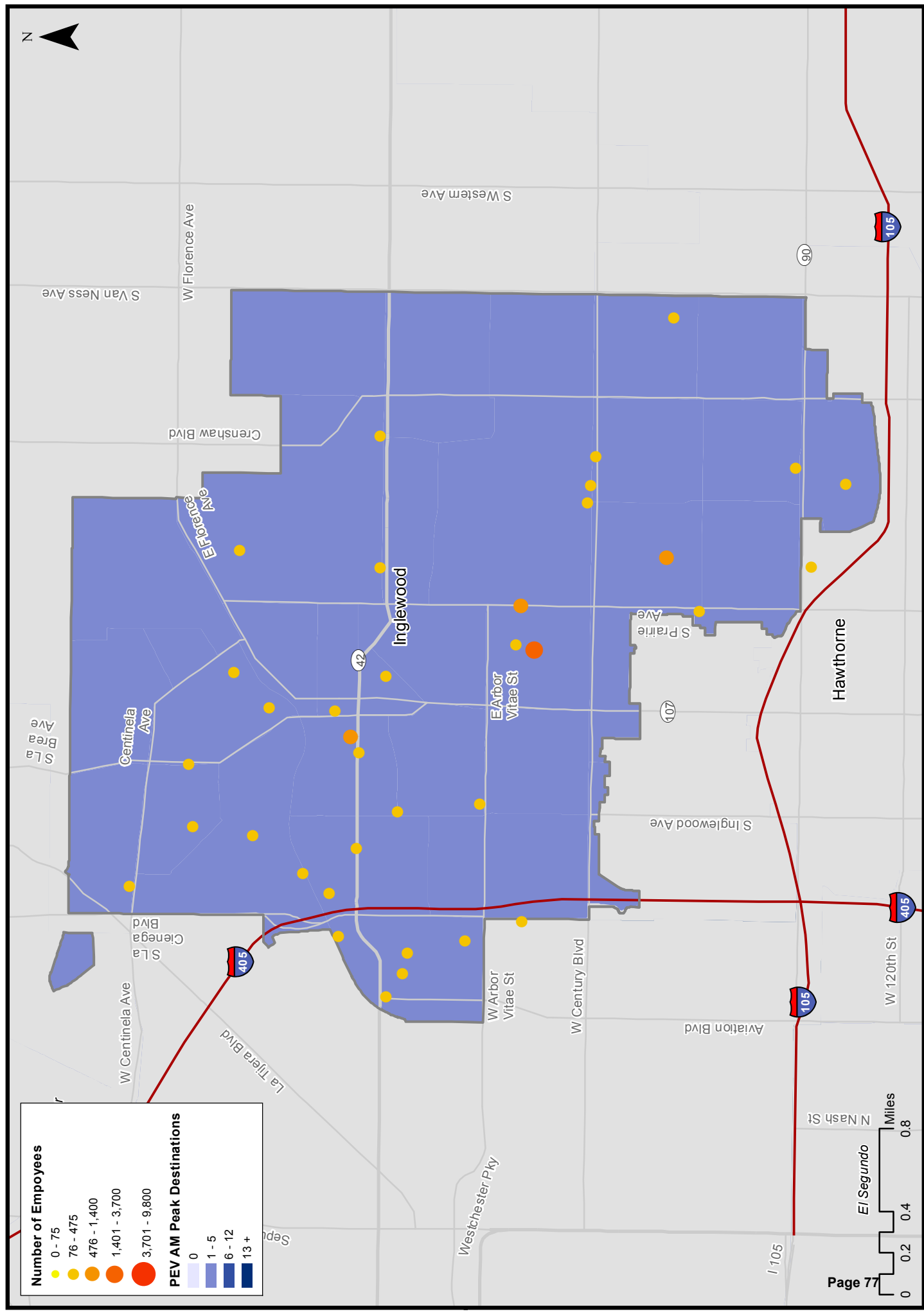
Inglewood: Plug-in Electric Vehicle Morning Peak Destinations



Inglewood: Top Workplaces by Number of Employees



Inglewood: PEV Morning Peak Destinations and Top Workplaces



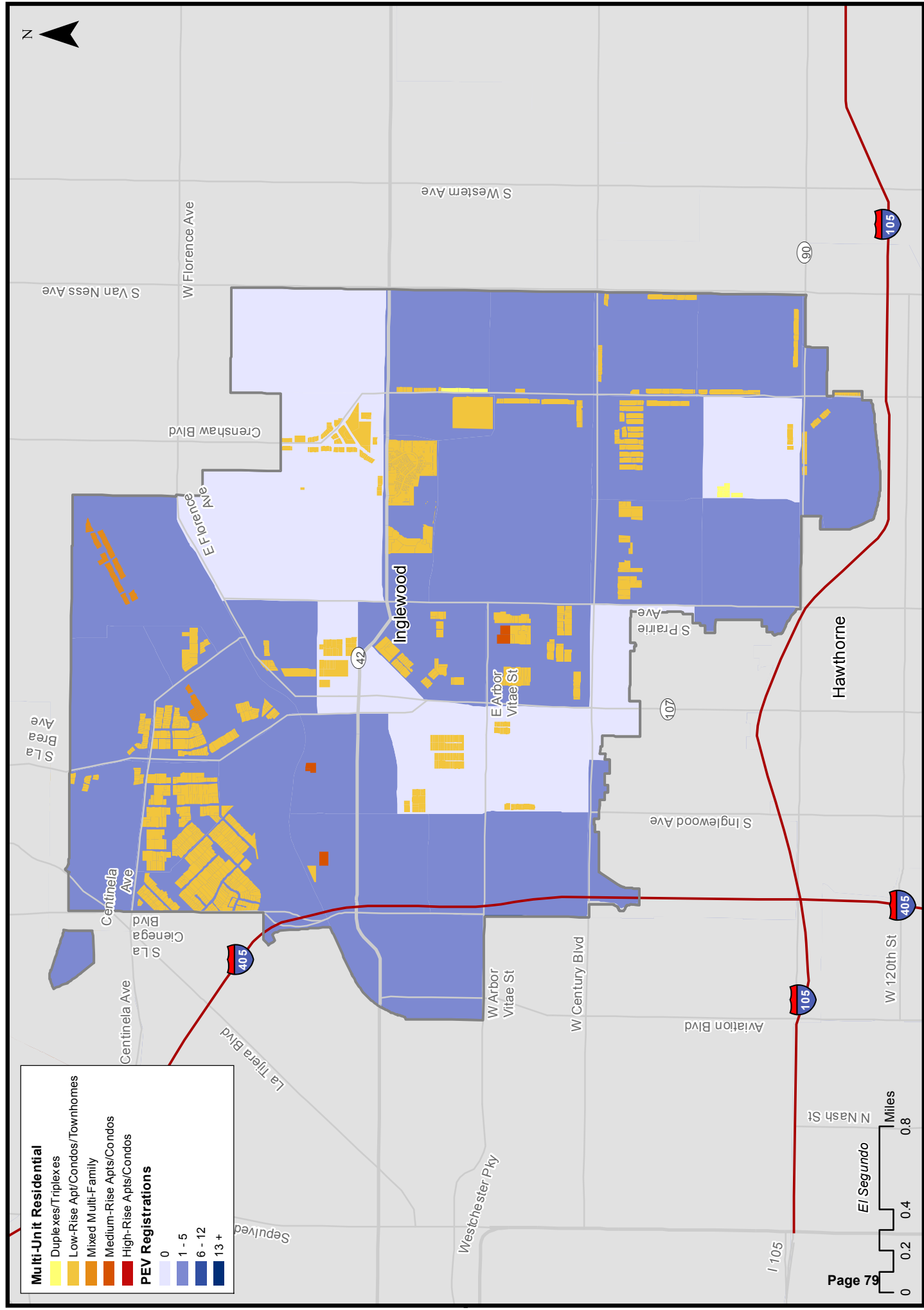
Inglewood: Top Employers										
	Company	Address	City	ST	ZIP	Type	Employees	PEV Density	High Tech	White Collar
1	Centinela Freeman Reg Medical Center Hollywood Park Casino Company, Inc	555 E Hardy St	Inglewood	CA	90305	General Medical & Surgical Hospitals	1,557		N	Y
2		3883 W Century Blvd	Inglewood	CA	90303	Hotels & Motels, Except Casino Hotels	699		N	N
3	Inglewood City	1 Manchester Blvd.	Inglewood	CA	90301		588			
4	Marvin Engineering Co Inc	251 260 280 W Beach Ave	Inglewood	CA	90302	Engineering Svcs	469		Y	Y
5	Enterprise Rent-A-Car of Los Angeles	9020 Aviation Blvd	Inglewood	CA	90301	Passenger Cars Rental	315		N	N*
6	Forum Enterprises Inc	3900 W Manchester Blvd	Inglewood	CA	90305	Promoters With Facilities	250		N	Y
7	Sprint Courier Inc	335 W Arbor Vitae St	Inglewood	CA	90301	Scheduled Freight Air Transportation	230		N	N
8	UPS Supply Chain Solutions	3600 W Century Blvd	Inglewood	CA	90303	Freight Transportation Arrangement	220		N	Y
9	Hollywood Park Inc	1050 S Prairie Ave	Inglewood	CA	90301	Racetracks	216		N	Y
10	ARAMARK Sports	3900 W Manchester Blvd	Inglewood	CA	90305	Other Performing Arts Companies	200		N	N
11	Inglewood Recreation Parks	1 Manchester Blvd.	Inglewood	CA	90301	Nature Parks & Other Similar Institutions	200		N	N
12	Costco	3560 W Century Blvd	Inglewood	CA	90303	Toy & Hobby Goods Merchant Whols	185		N	N*
13	Inglewood Park Cemetery	720 E Florence Ave	Inglewood	CA	90301	Cemeteries & Crematories	180		N	Y
14	Inglewood High School	231 S Grevillea Ave	Inglewood	CA	90301	Elementary & Secondary Schools	175		N	Y
15	UHP Healthcare	3405 W Imperial Hwy	Inglewood	CA	90303	Direct Health & Medical Insurance Carriers	170		N	Y
16	Parks Recreations Cmnty Svc	1 Manchester Blvd.	Inglewood	CA	90301	Nature Parks & Other Similar Institutions	160		N	N
17	KINETSU World Express USA	711 S Glasgow Ave	Inglewood	CA	90301	Freight Transportation Arrangement	150		N	Y
18	DoorKing	120 S Glasgow Ave	Inglewood	CA	90301	Telephone Apparatus Mfg	130		N	N
19	Centinela Valley Care Ctr	950 S Flower St	Inglewood	CA	90301	Nursing Care Facilities	125		N	N*
20	US Post Office	4201 W Imperial Hwy	Inglewood	CA	90304	Postal Svc	120		N	N
21	Home Depot	3363 W Century Blvd	Inglewood	CA	90303	Residential Remodelers	101		N	N*
22	Kikka	431 Isis Ave	Inglewood	CA	90301	All Other Misc Food Mfg	100		N	N
23	Signature Eyewear Inc	498 N Oak St	Inglewood	CA	90302	Ophthalmic Goods Mfg	100		N	N*
24	Apollo Couriers Inc	1039 W Hillcrest Blvd	Inglewood	CA	90301	General Freight Trucking, Local	100		N	Y
25	First Class Limousine Svc	815 N La Brea Ave # 277	Inglewood	CA	90302	Limousine Svc	100		N	N*
26	Midnite Express Intl	300 N Oak St	Inglewood	CA	90302	Freight Transportation Arrangement	100		N	Y
27	AAA Carpet & Sofa Cleaning	534 W Manchester Blvd	Inglewood	CA	90301	Carpet & Upholstery Cleaning Svcs	100		N	N
28	Inglewood Health Care Ctr	100 S Hillcrest Blvd	Inglewood	CA	90301	Nursing Care Facilities	100		N	Y
29	Royal Airline Linen Inc	125 N Ash Ave	Inglewood	CA	90301	Drycleaning & Laundry Svcs	100		N	N
30	Minus K Technology	420 Hindry Ave # E	Inglewood	CA	90301	All Other Misc Mfg	99		N	N
31	Briercrest Inglewood Hlthcr	301 Centinela Ave	Inglewood	CA	90302	Nursing Care Facilities	92		N	Y
32	US Post Office	811 N La Brea Ave	Inglewood	CA	90302	Postal Svc	90		N	N
33	Inglewood Public Library	101 W Manchester Blvd	Inglewood	CA	90301	Libraries & Archives	85		N	Y
34	Highland Elementary School	430 Venice Way	Inglewood	CA	90302	Elementary & Secondary Schools	85		N	Y
35	Head Start-State Preschool	10409 S 10th Ave	Inglewood	CA	90303	Child Day Care Svcs	85		N	N*
36	Prime Security Svc	1630 Centinela Ave # 209	Inglewood	CA	90302	Security Guards & Patrol Svcs	82		N	N*
37	Scapa Converted Products	540 N Oak St	Inglewood	CA	90302	Coated & Laminated Paper Mfg	80		N	N
38	Inglewood Medical Offices	110 N La Brea Ave	Inglewood	CA	90301	Freestanding Emergency Medical Centers	80		N	Y
39	City Farm Market	10801 S Prairie Ave	Inglewood	CA	90303	Supermarkets & Other Grocery Stores	80		N	N*
40	Buy Low Market	250 N La Brea Ave	Inglewood	CA	90301	Supermarkets & Other Grocery Stores	80		N	N*

INFOUSA Over 250

1	Inglewood Police Dept	1 W Manchester Blvd	Inglewood	CA	90301	Police Protection	480		N	N
2	Don Lee Farms Inc	200 E Beach Ave	Inglewood	CA	90302	Packaged Frozen Food Merchant Whols	350		N	N
3	Ttm Technologies Inc	8636 Aviation Blvd	Inglewood	CA	90301	Bare Printed Circuit Board Mfg	325		Y	Y*

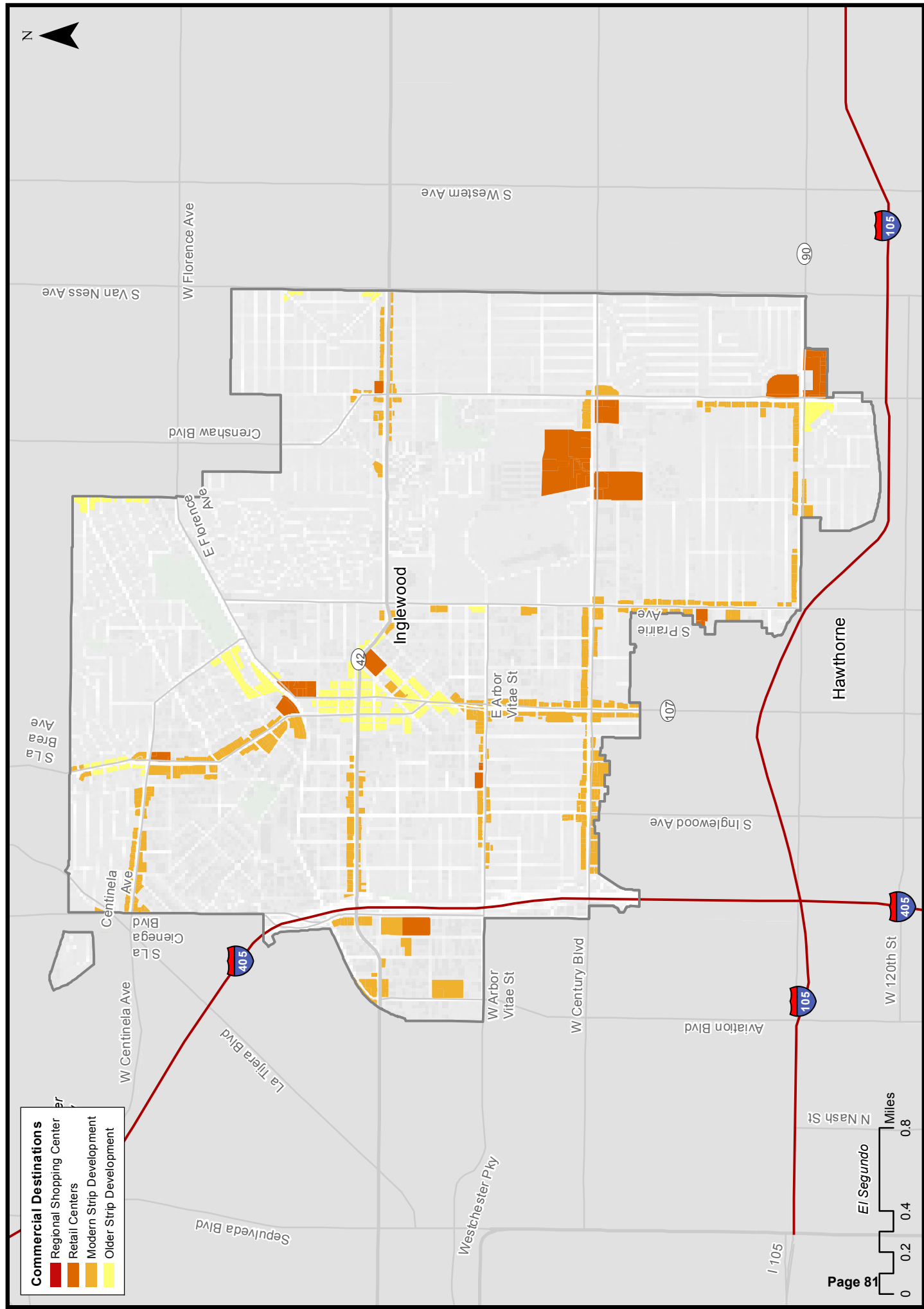
*Reclassified by the Lusk Center

Inglewood: Multi-Unit Residential and PEV Registrations



Inglewood: Top Multi-Unit Dwellings									
	Address	City	ST	ZIP	Units	Condo	Year Built	Average Value/Unit	PEV Density
1	3107 W Arbor Vitae St	Inglewood	CA	90305	384	N		\$38,444	
2	550 W Regent St	Inglewood	CA	90301	119	Y	1972	\$92,185	
3	201 Regent Cir	Inglewood	CA	90301	107	N	1980	\$78,869	
4	924 S Osage Ave	Inglewood	CA	90301	91	N	2002	\$129,310	
5	3374 W 84th St	Inglewood	CA	90305	80	N	1946	\$87,948	
6	719 S Eucalyptus Ave	Inglewood	CA	90301	76	Y	1973	\$47,732	
7	436 E Spruce Ave	Inglewood	CA	90301	64	Y	1989	\$160,826	
8	415 E Tamarack Ave	Inglewood	CA	90301	64	Y	1989	\$372,300	
9	200 W Queen St	Inglewood	CA	90301	62	N	1972	\$47,529	
10	1 S Locust St	Inglewood	CA	90301	62	N	1975	\$287,962	
11	3620 W 102nd St	Inglewood	CA	90303	61	N	1965	\$31,306	M
12	620 W Hyde Park Blvd	Inglewood	CA	90302	60	Y	1983	\$223,303	
13	630 Venice Way	Inglewood	CA	90302	58	N	1973	\$49,029	
14	8401 Crenshaw Blvd	Inglewood	CA	90305	56	N	1949	\$86,981	
15	3627 W 104th St	Inglewood	CA	90303	55	N	1964	\$106,121	M
16	10121 Buford Ave	Inglewood	CA	90304	54	N	1961	\$48,224	M
17	914 S Eucalyptus Ave	Inglewood	CA	90301	52	N	1964	\$59,758	
18	709 N Inglewood Ave	Inglewood	CA	90302	52	N	1961	\$26,230	
19	805 Glenway Dr	Inglewood	CA	90302	51	Y	1964	\$94,700	
20	855 Victor Ave	Inglewood	CA	90302	51	Y	1964	\$111,022	

Inglewood: Commercial (Retail) Destinations



Commercial Destinations

- Regional Shopping Center
- Retail Centers
- Modern Strip Development
- Older Strip Development

PEV Mid-Day Destinations

- 0
- 1 - 5
- 6 - 12
- 13 +

Map of Los Angeles showing commercial destinations and PEV mid-day destinations. The map includes a legend for commercial destinations (Regional Shopping Center, Retail Centers, Modern Strip Development, Older Strip Development) and PEV mid-day destinations (0, 1-5, 6-12, 13+). The map shows major highways (I-5, I-10, I-405, I-210) and various streets (W Century Blvd, W 120th St, W 100th St, W 80th St, W 60th St, W 40th St, W 20th St, W 10th St, W 1st St, W 10th St, W 1st St, W 10th St, W 1st St). The map also shows the locations of various commercial centers and retail centers, as well as the locations of modern strip development and older strip development. The map is titled 'Map of Los Angeles' and is dated 2014.

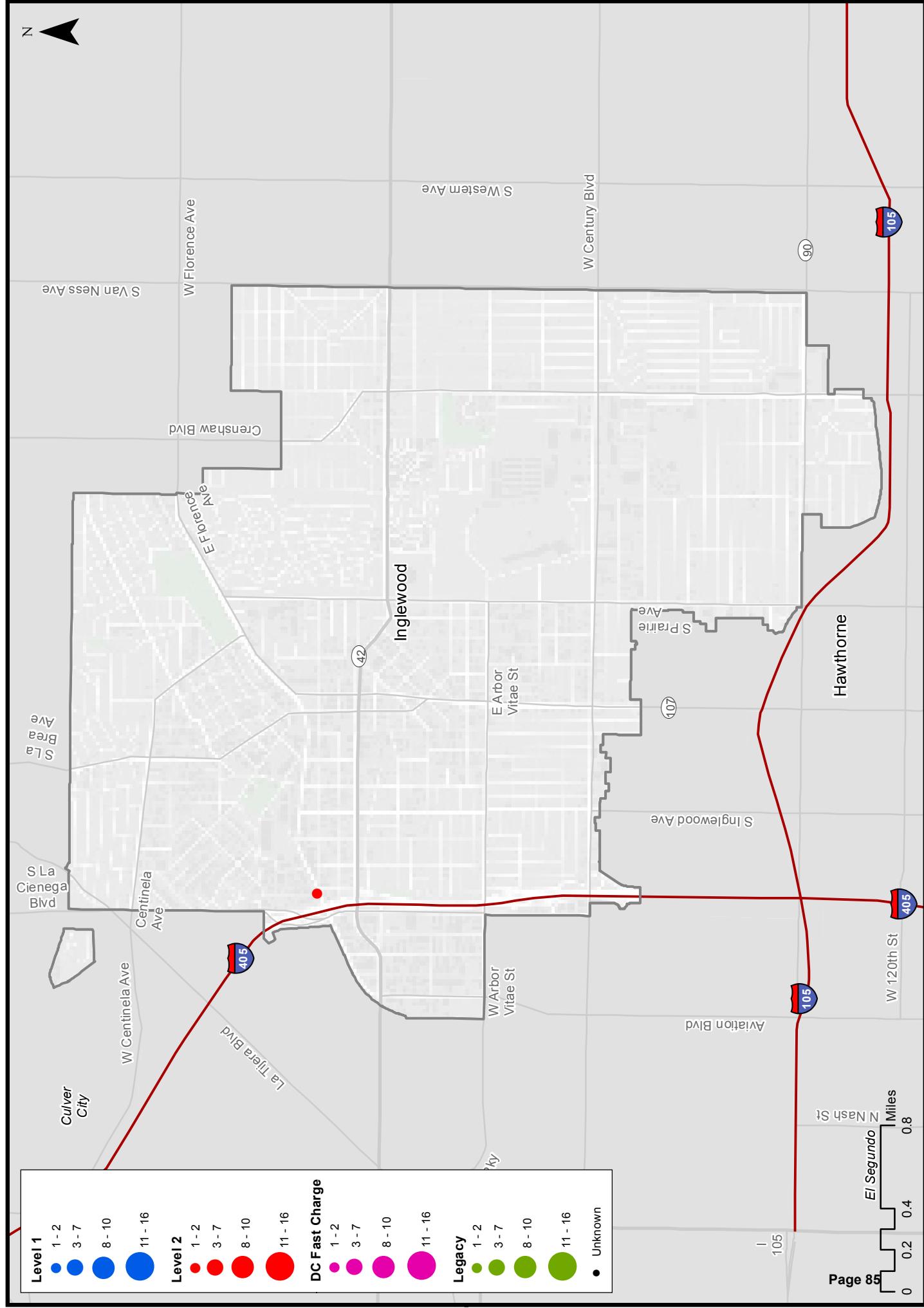
Inglewood: Top Retailers									
	Company	Address	City	ST	ZIP	NAICS Code	Type	Annual Sales Volume (in thousands)	PEV Density
1	Hollywood Park	3883 W Century Blvd	Inglewood	CA	90303	72111002	Hotels & Motels, Except Casino Hotels	\$107,800	
2	Hollywood Park	1050 S Prairie Ave	Inglewood	CA	90301	71121203	Racetracks	\$163,800	
3	Car Max Auto Superstore	8611 S La Cienega Blvd	Inglewood	CA	90301	44111001	New Car Dealers	\$34,360	
4	Hooman Pontiac GMC Buick	424 Isis Ave	Inglewood	CA	90301	44111001	New Car Dealers	\$31,783	
5	City Farm Market	10801 S Prairie Ave	Inglewood	CA	90303	44511003	Supermarkets & Other Grocery Stores	\$19,760	
6	Buy Low Market	250 N La Brea Ave	Inglewood	CA	90301	44511003	Supermarkets & Other Grocery Stores	\$19,760	
7	Inglewood Recreation Parks	1 Manchester Blvd.	Inglewood	CA	90301	71219004	Nature Parks & Other Similar Institutions	\$17,400	
8	ARAMARK Sports &	3900 W Manchester Blvd	Inglewood	CA	90305	71119005	Other Performing Arts Companies	\$16,800	
9	Food 4 Less	3200 W Century Blvd	Inglewood	CA	90303	44511003	Supermarkets & Other Grocery Stores	\$16,055	
10	Inglewood Park Cemetery	720 E Florence Ave	Inglewood	CA	90301	81222002	Cemeteries & Crematories	\$16,000	
11	Discount Marketplace Inc	2762 W Imperial Hwy	Inglewood	CA	90303	44511003	Supermarkets & Other Grocery Stores	\$14,573	
12	Parks Recreations Cmnty Svc	1 Manchester Blvd.	Inglewood	CA	90301	71219004	Nature Parks & Other Similar Institutions	\$13,920	
13	Industrious Software Solutions	500 W Florence Ave	Inglewood	CA	90301	44312007	Computer & Software Stores	\$13,720	
14	Metal Window Corp	501 Isis Ave	Inglewood	CA	90301	44419072	Other Building Material Dealers	\$13,416	
15	Ralphs	950 N La Brea Ave	Inglewood	CA	90302	44511001	Supermarkets & Other Grocery Stores	\$12,350	
16	Ralphs	11202 Crenshaw Blvd	Inglewood	CA	90303	44511003	Supermarkets & Other Grocery Stores	\$12,350	
17	CVS Pharmacy	222 N Market St	Inglewood	CA	90301	44611009	Pharmacies & Drug Stores	\$12,261	
18	Inglewood Marketplace	139 S Market St	Inglewood	CA	90301	45211101	Department Stores, Except Discount	\$10,530	
19	Lax Department Stores	4747 W Century Blvd	Inglewood	CA	90304	45211101	Department Stores, Except Discount	\$10,530	
20	Best Way Supermarket	1035 S La Brea Ave	Inglewood	CA	90301	44511003	Supermarkets & Other Grocery Stores	\$9,386	
21	Corland Co	327 Isis Ave	Inglewood	CA	90301	44122904	All Other Motor Vehicle Dealers	\$8,680	
22	International Marine	922 W Hyde Park Blvd	Inglewood	CA	90302	44122204	Boat Dealers	\$8,478	
23	Marshalls	3420 W Century Blvd	Inglewood	CA	90303	45211101	Department Stores, Except Discount	\$8,100	
24	Pep Boys	200 E Spruce Ave	Inglewood	CA	90301	44131011	Automotive Parts & Accessories Stores	\$7,800	
25	Motel 6	5101 W Century Blvd	Inglewood	CA	90304	72111002	Hotels & Motels, Except Casino Hotels	\$7,350	
26	Multimedia Abacus Corp	9800 S La Cienega Blvd # 411	Inglewood	CA	90301	44312007	Computer & Software Stores	\$6,860	
27	Honda Triumph Suzuki Victory	977 W Hyde Park Blvd	Inglewood	CA	90302	44122108	Motorcycle Dealers	\$6,776	
28	Wholesale Motor Sales Inc	817 N La Brea Ave	Inglewood	CA	90302	44112005	Used Car Dealers	\$6,710	
29	CVS Pharmacy	2834 W Imperial Hwy	Inglewood	CA	90303	44611009	Pharmacies & Drug Stores	\$6,405	
30	Jamba Juice	3401 W Century Blvd	Inglewood	CA	90303	44523005	Fruit & Vegetable Markets	\$5,994	
31	Ross Dress for Less	3460 W Century Blvd	Inglewood	CA	90303	45211101	Department Stores, Except Discount	\$5,994	
32	Completes Plus Inglewood	4642 W Century Blvd	Inglewood	CA	90304	44131011	Automotive Parts & Accessories Stores	\$5,850	
33	Asian American Drug Abuse Prgm	520 N La Brea Ave	Inglewood	CA	90302	81331904	Other Social Advocacy Organizations	\$5,800	
34	AJ Wright	2870 W Imperial Hwy	Inglewood	CA	90303	45211101	Department Stores, Except Discount	\$5,670	
35	Rola-Tek Electronic Comms	214 E Regent St	Inglewood	CA	90301	45411101	Electronic Shopping	\$5,291	
36	Cavil-Tate Memorial Schlrs	2930 W Imperial Hwy	Inglewood	CA	90303	81321103	Grantmaking Foundations	\$5,016	
37	Royal Airline Linen Inc	125 N Ash Ave	Inglewood	CA	90301	81232001	Drycleaning & Laundry Svcs	\$4,700	
38	Solo Foods Inc	409 Centinela Ave	Inglewood	CA	90302	44511002	Supermarkets & Other Grocery Stores	\$4,693	
39	Walgreens	230 N La Brea Ave	Inglewood	CA	90301	44611009	Pharmacies & Drug Stores	\$4,575	
40	Walgreens	3331 W Century Blvd	Inglewood	CA	90303	44611009	Pharmacies & Drug Stores	\$4,575	

Gas stations						
1	Chevron	4015 W Century Blvd	Inglewood	CA	90304	44719005
					Other Gasoline Stations	\$5,104

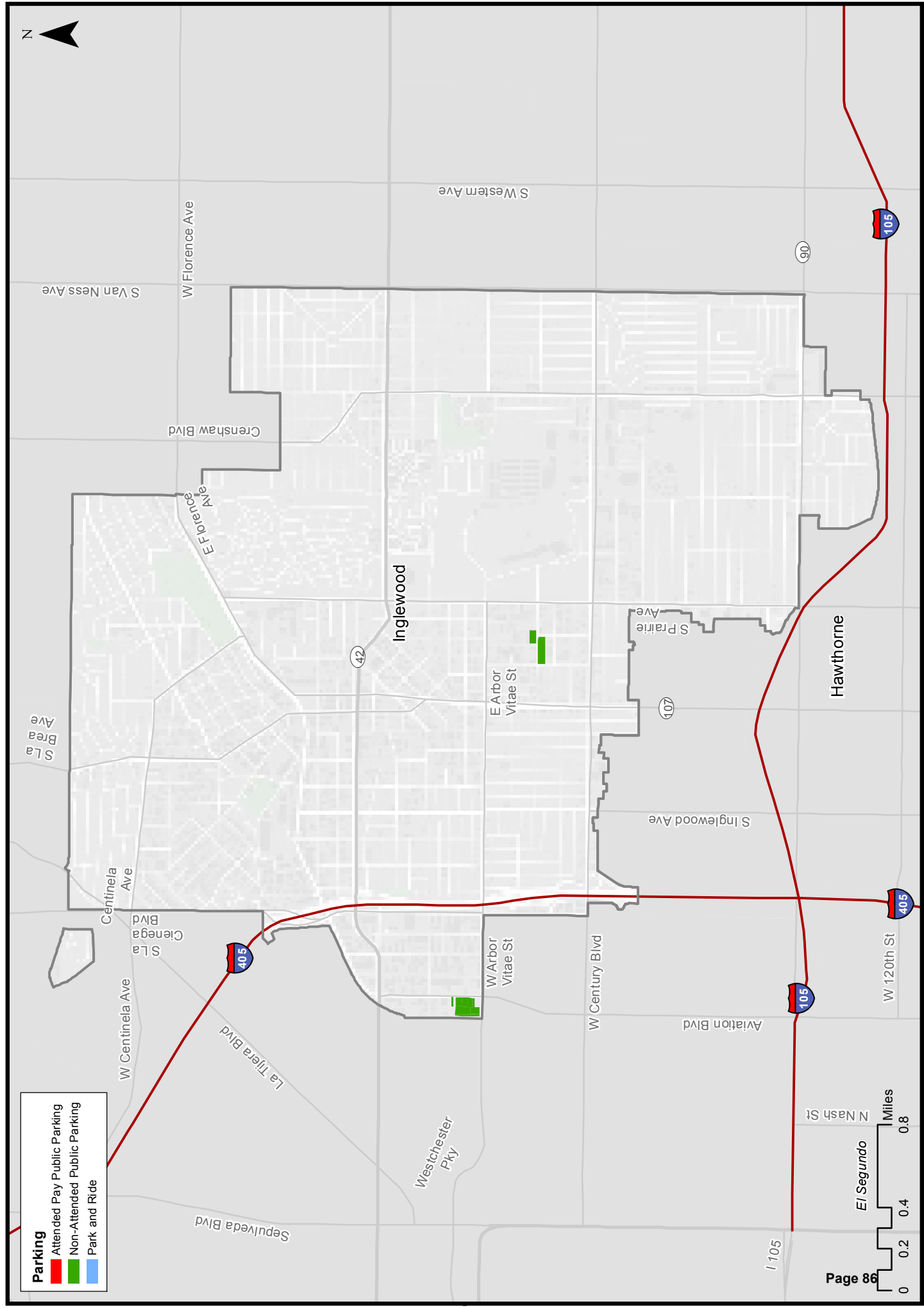
Unranked but significant

1	Home Depot	8801 S La Cienega Blvd	Inglewood	CA	90301
2	Home Depot	3363 Century Blvd	Inglewood	CA	90303
3	Target	3471 W Century Blvd	Inglewood	CA	90303
4	Costco	3560 W Century Blvd	Inglewood	CA	90304
5	LA Fitness	3531 W Century Blvd	Inglewood	CA	90303

Inglewood: Publicly-Accessible Charging Stations (Summer/Fall 2012)



Inglewood: Stand-alone Parking Facilities



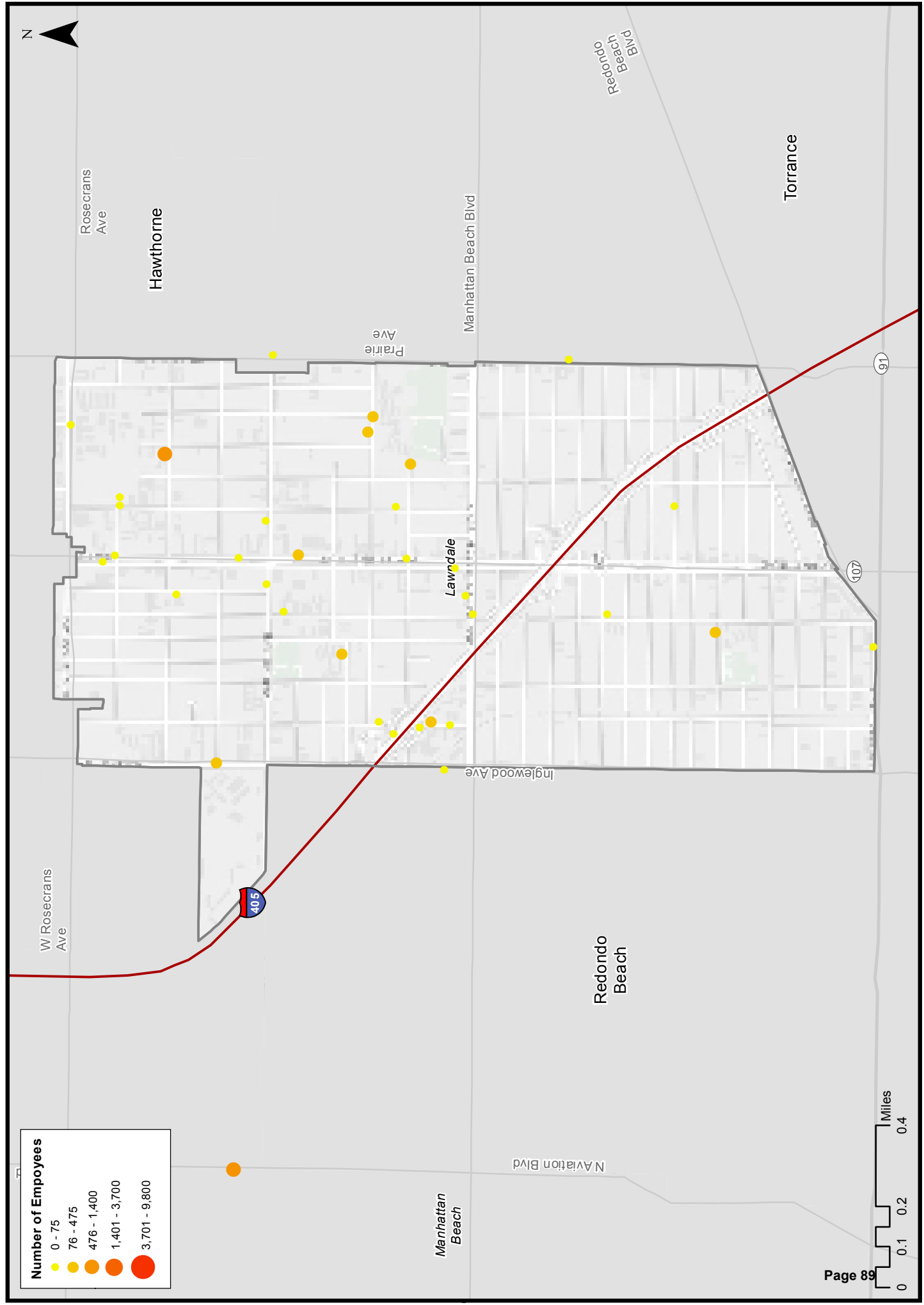
Lawndale: Plug-in Electric Vehicle Registrations



Lawndale: Plug-in Electric Vehicle Morning Peak Destinations



Lawndale: Top Workplaces by Number of Employees



Lawndale: PEV Morning Peak Destinations and Top Workplaces



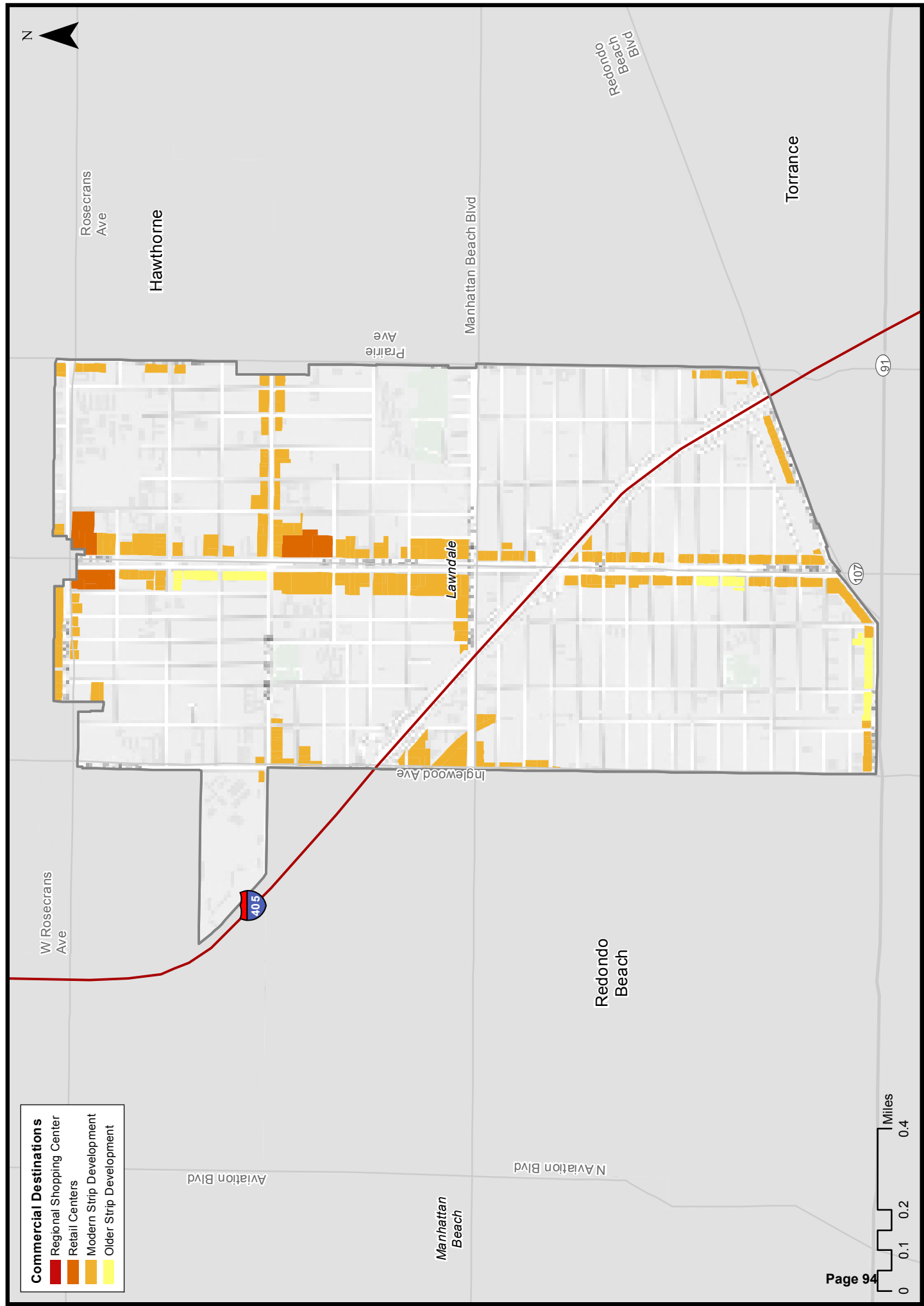
Lawndale: Top Employers										
	Company	Address	City	ST	ZIP	Type	Employees	PEV Density	High Tech	White Collar
1	State Department-Rehabilitation	15901 Hawthorne Blvd	Lawndale	CA	90260		15		N	N
2	Lawndale Public Works	4722 Manhattan Beach Blvd	Lawndale	CA	90260	Highway, Street, & Bridge Construction	15		N	N
3	Barnett Electric Inc	4058 Marine Ave	Lawndale	CA	90260	Electrical Contrs	12		N	N
4	Townend Aerospace Tool Co	4228 Marine Ave	Lawndale	CA	90260		10		N	N*
5	Countrywide Development	4627 W 156th St	Lawndale	CA	90260	Commercial Building Construction	10		N	N
6	Los Angeles Public Works	4055 Marine Ave	Lawndale	CA	90260	Highway, Street, & Bridge Construction	7		N	N
7	Best Restoration Svc	14727 Hawthorne Blvd	Lawndale	CA	90260	Residential Remodelers	6		N	N
8	Aurora Engineering Co	4823 Marine Ave	Lawndale	CA	90260	Industrial Building Construction	4	M	N	N
9	Angel's Auto Electric	4103 Marine Ave	Lawndale	CA	90260	Electrical Contrs	4		N	N
10	Southcoast Electric	4947 Marine Ave	Lawndale	CA	90260	Electrical Contrs	4		N	N
11	Anaglyph Sculpture & Design	15114 Mansel Ave	Lawndale	CA	90260		3		N	N
12	Caban Resources LLC	15901 Hawthorne Blvd	Lawndale	CA	90260		3		N	N
13	Euro American Auto Co	15626 Hawthorne Blvd	Lawndale	CA	90260		3		N	N
14	Gateway Villas	4746 W 173rd St	Lawndale	CA	90260		3		N	N
15	Italy 2000	16715 Hawthorne Blvd	Lawndale	CA	90260		3		N	N
16	Linan Fernando	14719 Hawthorne Blvd	Lawndale	CA	90260		3		N	N
17	Musicians Choice Studios	16200 Hawthorne Blvd	Lawndale	CA	90260		3		N	N
18	Newell House	4740 W 152nd St	Lawndale	CA	90260		3		N	N
19	Options & Choices Inc	4301 Redondo Beach Blvd	Lawndale	CA	90260		3		N	N
20	Ultimate PMUSA	16615 Hawthorne Blvd	Lawndale	CA	90260		3		N	N
21	Action One Construction	14719 Hawthorne Blvd	Lawndale	CA	90260	New Single-Family General Contrs	3		N	N
22	Eugene Schiappa Construction	15111 Freeman Ave	Lawndale	CA	90260	New Single-Family General Contrs	3		N	N
23	Mc Carthy Framing Constr Inc	15133 Grevillea Ave	Lawndale	CA	90260	Commercial Building Construction	3		N	N
24	Thomas Demolition	4505 Manhattan Beach Blvd	Lawndale	CA	90260	Commercial Building Construction	3		N	N
25	AAA Randpro Plumbing Svc	15710 Condon Ave	Lawndale	CA	90260	Water & Sewer System Construction	3		N	N
26	Hofmann & Son	4443 W 161st St	Lawndale	CA	90260	Water & Sewer System Construction	3		N	N
27	New City Development Group Inc	4415 W 145th St	Lawndale	CA	90260	Land Subdivision	3		N	Y
28	Covenant Development Group Inc	15711 Condon Ave # A4	Lawndale	CA	90260	Other Heavy Construction	3		N	Y
29	Firmona Villas Homeowners	15610 Firmona Ave	Lawndale	CA	90260	Other Heavy Construction	3		N	Y
30	Lucky Glass LLC	4720 Marine Ave	Lawndale	CA	90260	Glass & Glazing Contrs	3		N	N
31	Weather Proof Roofing	4043 W 162nd St	Lawndale	CA	90260	Roofing Contrs	3		N	N
32	Ely Heating & Air Conditioning	15129 Grevillea Ave	Lawndale	CA	90260	Plumbing & Hvac Contrs	3		N	N
33	Jobarco Air Conditioning	14801 Firmona Ave	Lawndale	CA	90260	Plumbing & Hvac Contrs	3		N	N
34	SY Air Conditioning Svc	15812 Grevillea Ave	Lawndale	CA	90260	Plumbing & Hvac Contrs	3		N	N
35	Brian's Plumbing Svc	14524 Hawthorne Blvd	Lawndale	CA	90260	Plumbing & Hvac Contrs	3		N	N
36	Jon Prudhomme Fine Art & Mrls	15711 Condon Ave	Lawndale	CA	90260		2		N	N
37	Danny's Ark	4038 W 167th St	Lawndale	CA	90260	Support Activities for Animal Production	2	M	N	N
38	Anastasi Construction	15122 Grevillea Ave	Lawndale	CA	90260	Commercial Building Construction	2		N	N
39	Meridian Management Corp	15000 Aviation Blvd # 1032	Lawndale	CA	90261	Commercial Building Construction	2		N	N
40	Fred Warriors Construction Inc	15342 Hawthorne Blvd	Lawndale	CA	90260	Commercial Building Construction	2		N	N

Lawndale: Multi-Unit Residential and PEV Registrations



Lawndale: Top Multi-Unit Dwellings									
	Address	City	ST	ZIP	Units	Condo	Year Built	Average Value/Unit	PEV Density
1	4727 W 147th St	Lawndale	CA	90260	100	Y	1974	\$318,362	
2	15111 Freeman Ave	Lawndale	CA	90260	99	Y	1985	\$446,760	
3	4020 Rosecrans Ave	Lawndale	CA	90250	60	N	1963	\$105,341	
4	4716 153rd Pl	Lawndale	CA	90260	56	N	1990	\$49,525	
5	14724 Inglewood Ave	Lawndale	CA	90260	50	N	1961	\$21,859	
6	15001 Condon Ave	Lawndale	CA	90260	40	N	1972	\$42,589	
7	14928 Inglewood Ave	Lawndale	CA	90260	39	N	1984	\$113,091	
8	16111 Prairie Ave	Lawndale	CA	90260	39	N	1972	\$26,657	
9	14600 Inglewood Ave	Lawndale	CA	90260	38	N	1984	\$80,929	
10	4141 W Rosecrans Ave	Lawndale	CA	90250	38	N	1973	\$32,549	
11	15209 Prairie Ave	Lawndale	CA	90260	36	N	1964	\$52,217	
12	14526 Larch Ave	Lawndale	CA	90260	36	N	1985	\$68,052	
13	14807 Condon Ave	Lawndale	CA	90260	36	Y	1975	\$253,523	
14	4001 W 165th St	Lawndale	CA	90260	32	Y	1994	\$166,232	
15	4430 W 172nd St	Lawndale	CA	90260	31	N	1984	\$101,260	
16	14926 Hawthorne Blvd	Lawndale	CA	90260	30	N	1962	\$17,041	
17	17210 Inglewood Ave	Lawndale	CA	90260	28	N	1985	\$139,301	
18	15006 Inglewood Ave	Lawndale	CA	90260	28	N	1983	\$112,109	
19	4029 W Rosecrans Ave	Lawndale	CA	90250	28	N	1974	\$28,097	
20	4024 W 147th St	Lawndale	CA	90260	27	N	1964	\$90,804	

Lawndale: Commercial (Retail) Destinations



Lawndale: PEV Mid-Day Destinations and Commercial (Retail) Locations

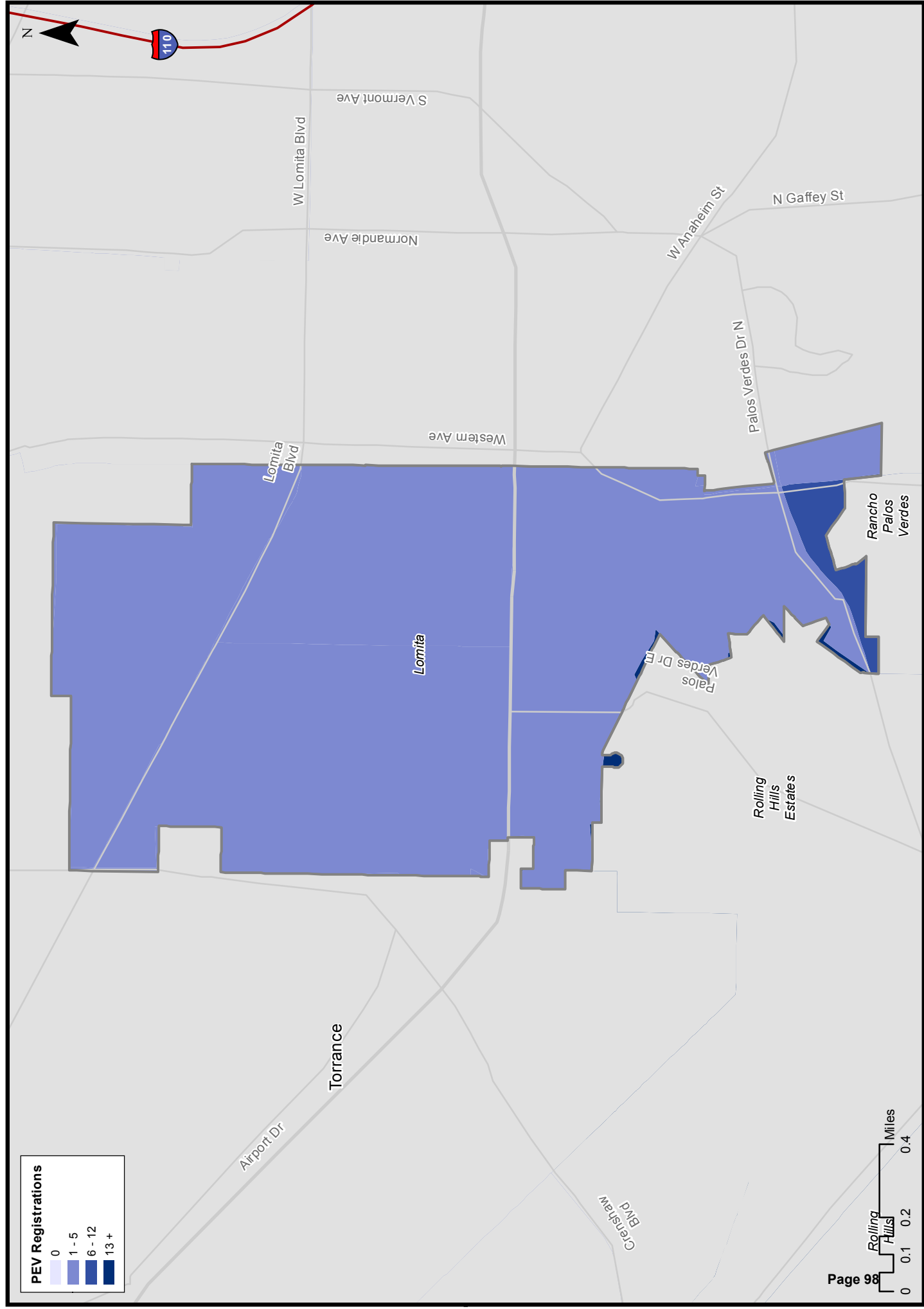


Lawndale: Top Retailers							Annual Sales Volume (in thousands)			PEV Density
	Company	Address	City	ST	ZIP	NAICS Code	Type			
1	Valu Plus Food Warehouse	15202 Hawthorne Blvd	Lawndale	CA	90260	44511003	Supermarkets & Other Grocery Stores			\$24,700
2	Royal Classic	4418 Marine Ave	Lawndale	CA	90260	44111001	New Car Dealers			\$20,616
3	Carriere Car Co	15301 Hawthorne Blvd	Lawndale	CA	90260	44112005	Used Car Dealers			\$8,052
4	Auto for Less	15223 Hawthorne Blvd	Lawndale	CA	90260	44112005	Used Car Dealers			\$7,381
5	Guitar Center	4525 Artesia Blvd	Lawndale	CA	90260	45114008	Musical Instrument & Supplies Stores			\$7,168
6	Pep Boys	14411 Hawthorne Blvd	Lawndale	CA	90260	44131011	Automotive Parts & Accessories Stores			\$5,850
7	Nationwide Business Resources	15430 Condon Ave	Lawndale	CA	90260	45321007	Office Supplies & Stationery Stores			\$4,840
8	Upstream Software	15901 Hawthorne Blvd	Lawndale	CA	90260	44312007	Computer & Software Stores			\$4,116
9	Moda Italia	16900 Hawthorne Blvd	Lawndale	CA	90260	44211012	Furniture Stores			\$3,366
10	Thurflow Associates	15342 Hawthorne Blvd	Lawndale	CA	90260	81321901	Other Grantmaking & Giving Services			\$3,155
11	Black Tie Roses	14507 Hawthorne Blvd	Lawndale	CA	90260	45399804	Store Retailers Not Specified Elsewhere			\$3,015
12	Vellios Automotive Machine Inc	4625 Manhattan Beach Blvd	Lawndale	CA	90260	44131011	Automotive Parts & Accessories Stores			\$2,925
13	CVS Pharmacy	15718 Hawthorne Blvd	Lawndale	CA	90260	44611009	Pharmacies & Drug Stores			\$2,745
14	7-Eleven	15805 Prairie Ave	Lawndale	CA	90260	44512001	Convenience Stores			\$2,688
15	Ideal Interiors Inc	15624 Inglewood Ave	Lawndale	CA	90260	44221001	Floor Covering Stores			\$2,360
16	Mc Donald's	15606 Hawthorne Blvd	Lawndale	CA	90260	72221104	Limited-Service Restaurants			\$2,280
17	Best Western-South Bay	15000 Hawthorne Blvd	Lawndale	CA	90260	72111002	Hotels & Motels, Except Casino Hotels			\$2,156
18	Lawndale Jewelry & Loan	16510 Hawthorne Blvd	Lawndale	CA	90260	45114008	Musical Instrument & Supplies Stores			\$2,142
19	Hobby People	16725 Hawthorne Blvd	Lawndale	CA	90260	45112021	Hobby, Toy, & Game Stores			\$2,028
20	Patt Motors	16224 Hawthorne Blvd	Lawndale	CA	90260	44112005	Used Car Dealers			\$2,013
21	Showcase Motors	15318 Hawthorne Blvd	Lawndale	CA	90260	44112005	Used Car Dealers			\$2,013
22	Al & Ed's Autosound	17007 Hawthorne Blvd	Lawndale	CA	90260	44131004	Automotive Parts & Accessories Stores			\$1,950
23	Radio Shack	15126 Hawthorne Blvd	Lawndale	CA	90260	44311207	Radio, TV & Other Electronics Stores			\$1,938
24	Sukuo America Co	16815 Prairie Ave	Lawndale	CA	90260	44311226	Radio, TV & Other Electronics Stores			\$1,938
25	Video & Audio Ctr	4401 Redondo Beach Blvd	Lawndale	CA	90260	44311234	Radio, TV & Other Electronics Stores			\$1,900
26	Holiday Inn Express	14814 Hawthorne Blvd	Lawndale	CA	90260	72111002	Hotels & Motels, Except Casino Hotels			\$1,862
27	Hawthorne Blvd Rapid Gas	16926 Hawthorne Blvd	Lawndale	CA	90260	44512001	Convenience Stores			\$1,856
28	Henderson Furniture Inc	16606 Hawthorne Blvd	Lawndale	CA	90260	44211012	Furniture Stores			\$1,836
29	Bay Cities Car Wash	4457 Manhattan Beach Blvd	Lawndale	CA	90260	81119208	Car Washes			\$1,710
30	EB Games	5336 W Rosecrans Ave	Lawndale	CA	90260	44311235	Radio, TV & Other Electronics Stores			\$1,615
31	Spires Restaurant	15733 Hawthorne Blvd	Lawndale	CA	90260	72221105	Limited-Service Restaurants			\$1,600
32	Casual Male XL	16129 Hawthorne Blvd # F	Lawndale	CA	90260	44811006	Men's Clothing Stores			\$1,544
33	Crest Auto Body	4611 Manhattan Beach Blvd	Lawndale	CA	90260	81112102	Automotive Body & Interior Repair			\$1,469
34	Don Roberto Jewelers	15224 Hawthorne Blvd	Lawndale	CA	90260	44831012	Jewelry Stores			\$1,428
35	Advance Computers & Technology	16129 Hawthorne Blvd	Lawndale	CA	90260	44312001	Computer & Software Stores			\$1,372
36	Kragen Auto Parts	15122 1/2 Hawthorne Blvd	Lawndale	CA	90260	44131011	Automotive Parts & Accessories Stores			\$1,365
37	Hawthorne Buyers Svc	15424 Hawthorne Blvd	Lawndale	CA	90260	44112005	Used Car Dealers			\$1,342
38	Raffi Motors-Subaru	4552 W Rosecrans Ave	Lawndale	CA	90260	44112005	Used Car Dealers			\$1,342
39	Vic's Auto Sales Inc	15425 Hawthorne Blvd	Lawndale	CA	90260	44112005	Used Car Dealers			\$1,342
40	Vio's Auto Sales Inc	16727 Prairie Ave	Lawndale	CA	90260	44112005	Used Car Dealers			\$1,342

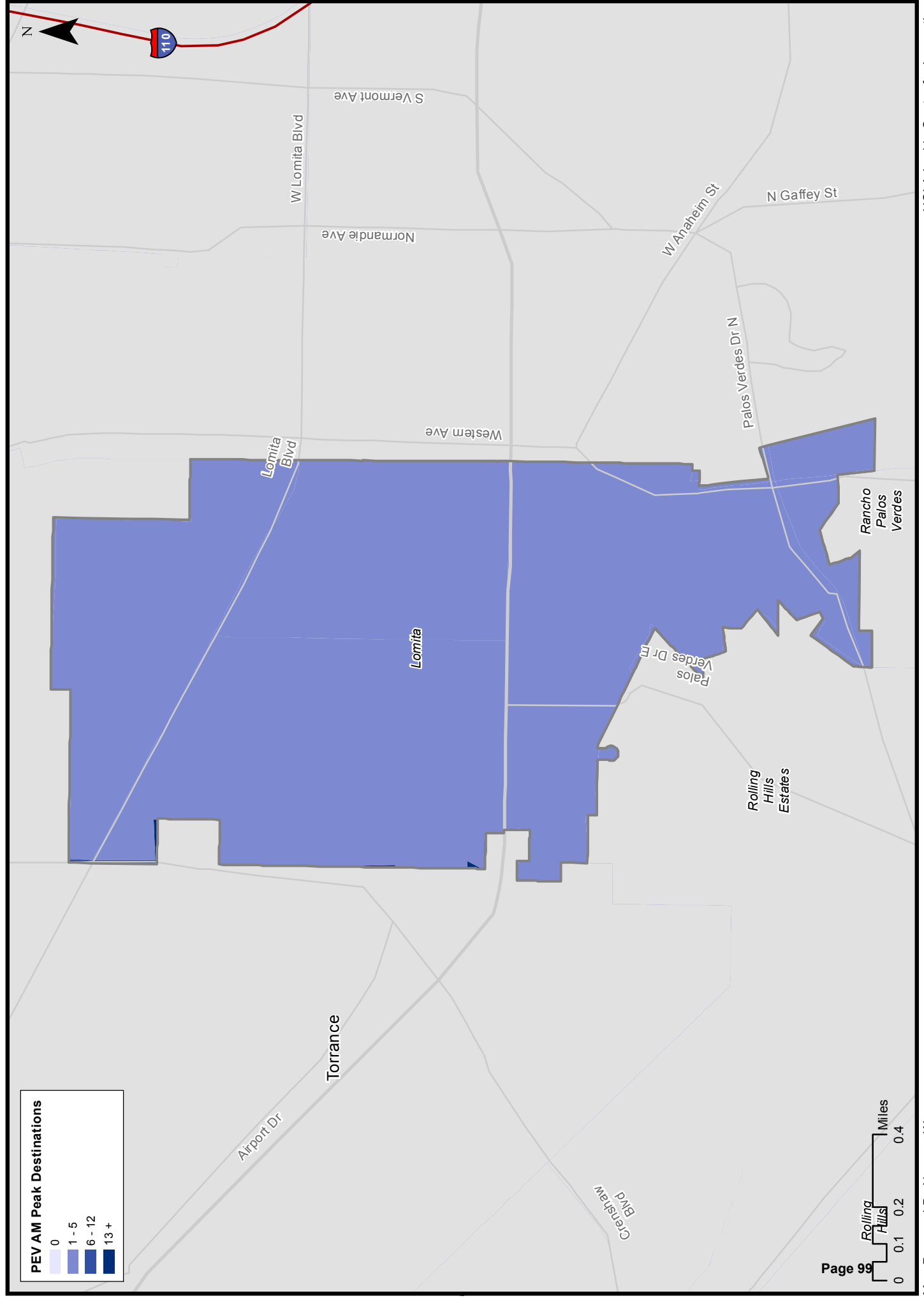
Gas Stations

1	Chevron	14305 Hawthorne Blvd	Lawndale	CA	90260	44719005	Other Gasoline Stations	\$4,176	
2	Shervin Enterprises	15922 Inglewood Ave	Lawndale	CA	90260	44719005	Other Gasoline Stations	\$3,248	
3	United Oil	16926 Hawthorne Blvd	Lawndale	CA	90260	44719005	Other Gasoline Stations	\$1,856	
4	Frys Petroleum Inc	15606 Inglewood Ave	Lawndale	CA	90260	44719005	Other Gasoline Stations	\$1,392	

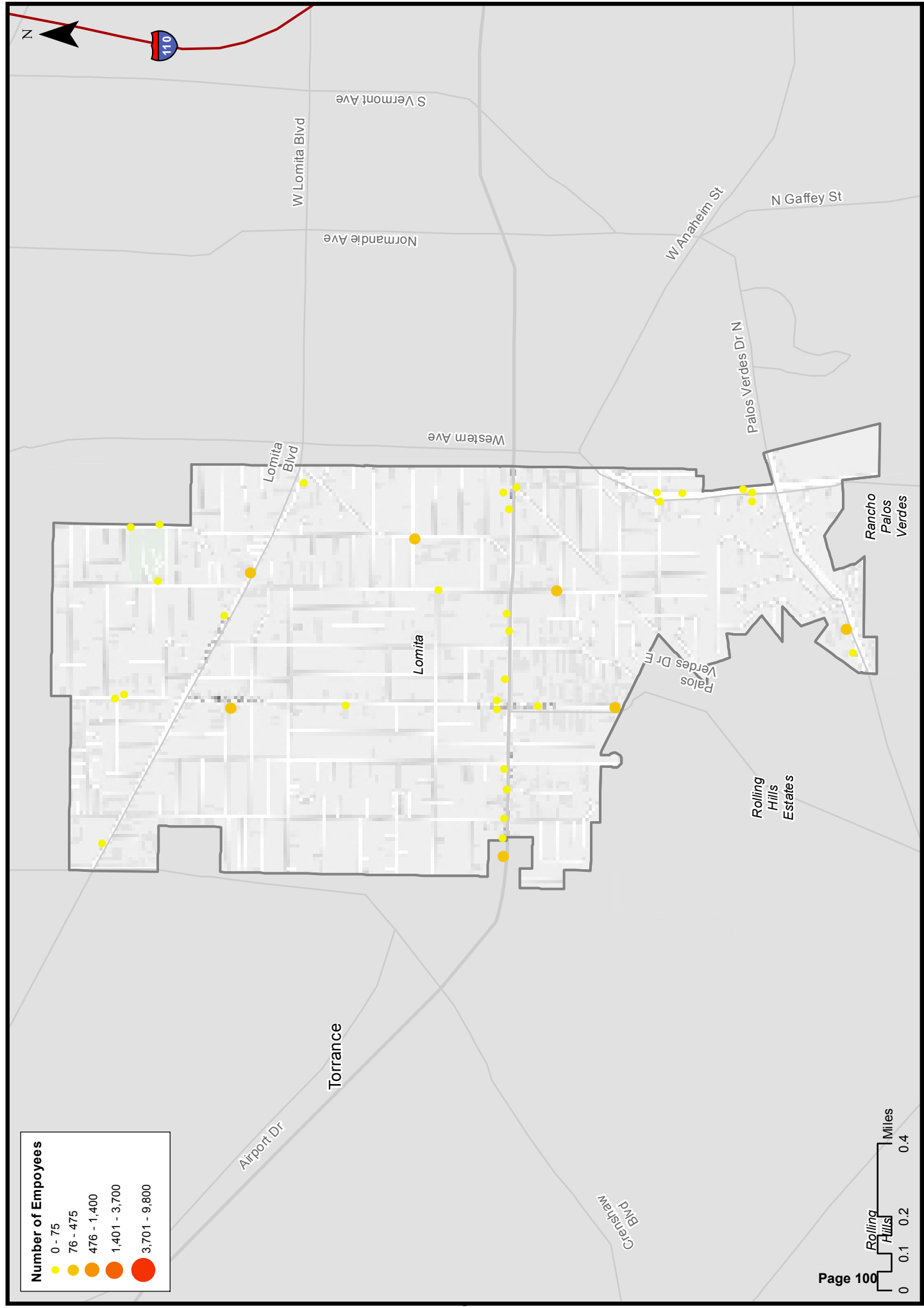
Lomita: Plug-in Electric Vehicle Registrations



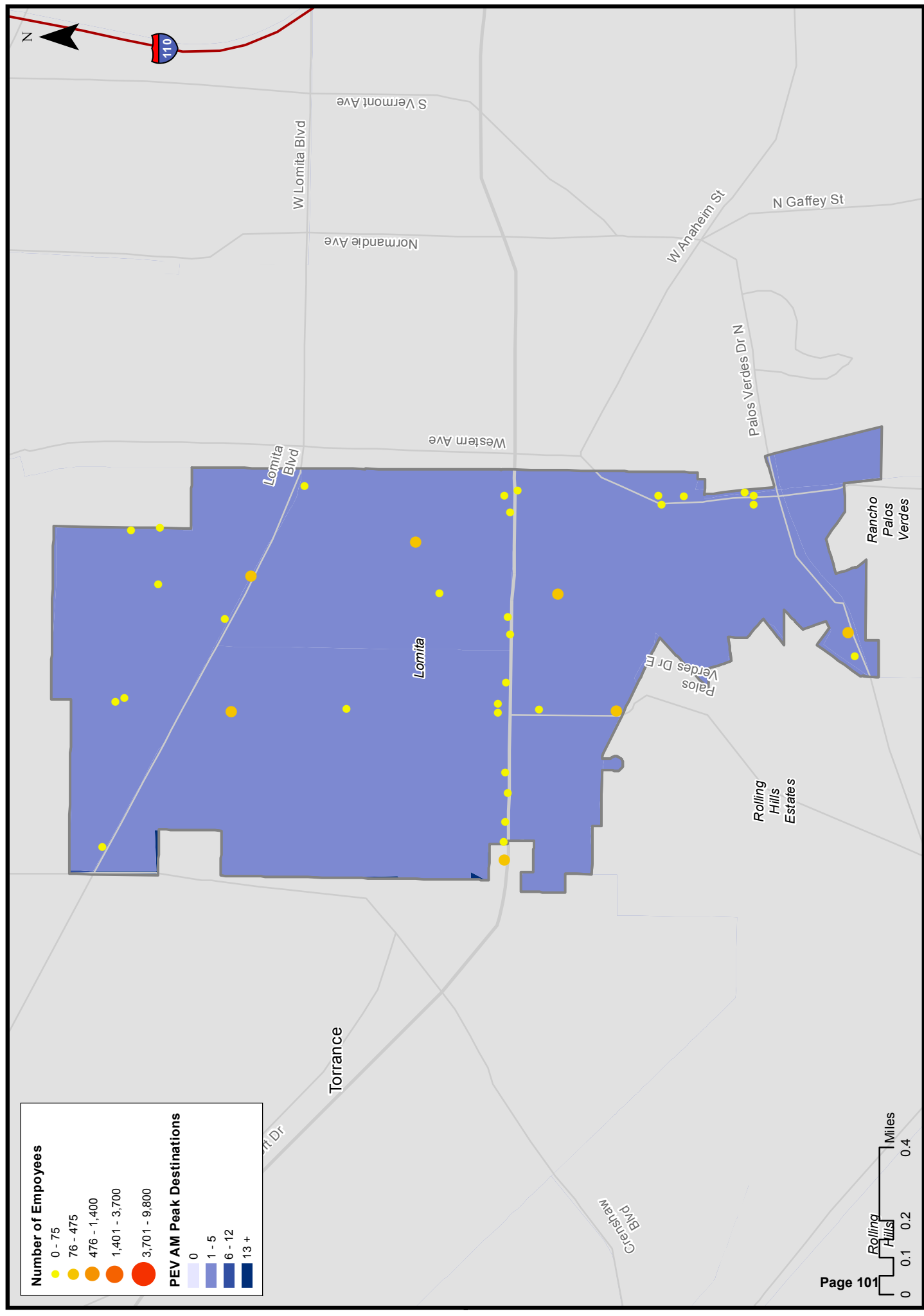
Lomita: Plug-in Electric Vehicle Morning Peak Destinations



Lomita: Top Workplaces by Number of Employees

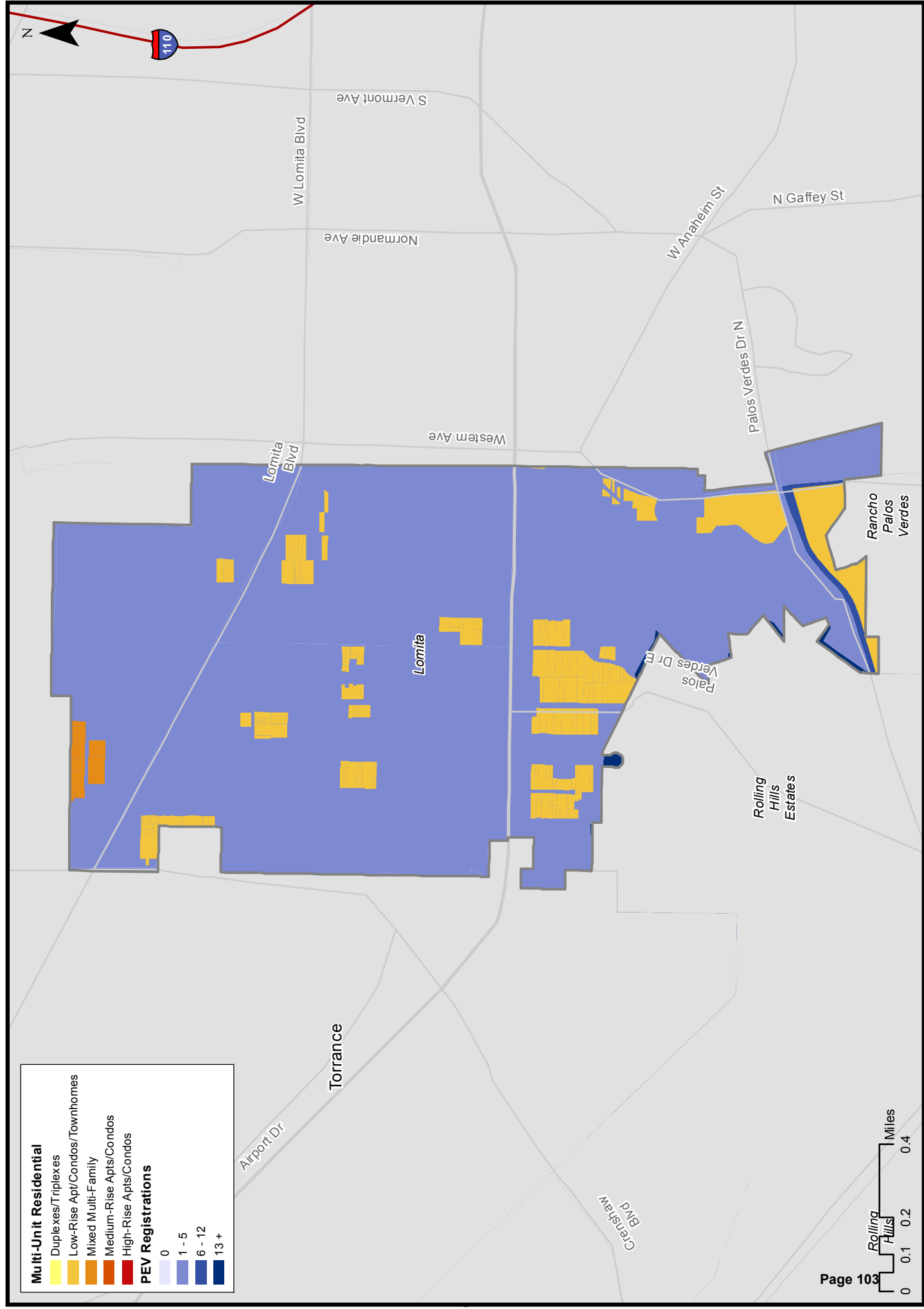


Lomita: PEV Morning Peak Destinations and Top Workplaces



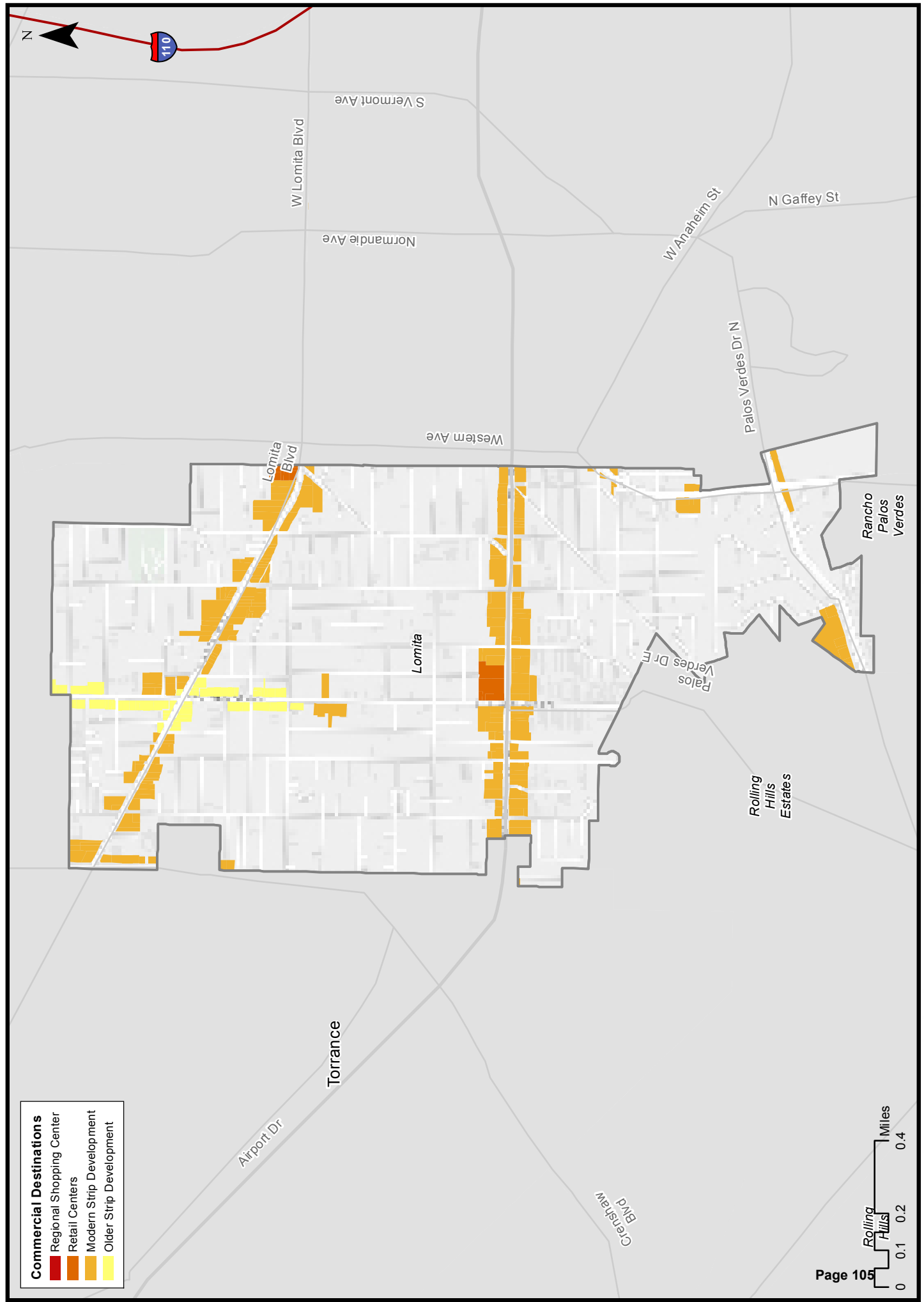
Lomita: Top Employers									
Company	Address	City	ST	ZIP	Type	Employees	PEV Density	High Tech	White Collar
1 Fleming Junior High School	25425 Walnut St	Lomita	CA	90717	Elementary & Secondary Schools	125		N	Y
2 Los Angeles County Sheriff	26123 Narbonne Ave	Lomita	CA	90717	Police Protection	116		N	N
3 Eshelman Avenue Elementary	25902 Eshelman Ave	Lomita	CA	90717	Elementary & Secondary Schools	100		N	Y
4 Lomita Medical Offices	2075 Palos Verdes Dr N	Lomita	CA	90717	General Medical & Surgical Hospitals	90		N	Y
5 Lomita Elementary School	2211 247th St	Lomita	CA	90717	Elementary & Secondary Schools	89		N	Y
6 Lomita Care Ctr	1955 Lomita Blvd	Lomita	CA	90717	Nursing Care Facilities	80		N	Y
7 Norm's Restaurant	2448 Pacific Coast Hwy	Lomita	CA	90717	Limited-Service Restaurants	80		N	N
8 Travers Tree Svc	1811 Lomita Blvd	Lomita	CA	90717	Landscaping Svcs	60		N	N
9 A-1 Coast Rentals	2457 Lomita Blvd	Lomita	CA	90717	Store Retailers Not Specified Elsewhere	49		N	Y
10 Lomita Park	24428 Eshelman Ave	Lomita	CA	90717	Nature Parks & Other Similar Institutions	46		N	N
11 Palos Verdes Health Care Ctr	26303 Western Ave	Lomita	CA	90717	Nursing Care Facilities	42		N	Y
12 Thompson Building Materials	2400 Pacific Coast Hwy	Lomita	CA	90717	Brick & Structural Clay Tile Mfg	40		N	N*
13 L A County Assessor	24330 Narbonne Ave	Lomita	CA	90717	Public Finance Activities	40		N	N
14 US Post Office	25131 Narbonne Ave	Lomita	CA	90717	Postal Svc	36		N	N
15 Big Lots	2155 Pacific Coast Hwy	Lomita	CA	90717	Other Nondurable Goods Merchant Whols	34		N	N*
16 St Margaret Mary Catholic Chr	25511 Eshelman Ave	Lomita	CA	90717	Religious Organizations	34		N	Y
17 Szechwan Chinese Food	2107 Pacific Coast Hwy	Lomita	CA	90717	Limited-Service Restaurants	31		N	N
18 Lomita Water Maintenance	24373 Walnut St	Lomita	CA	90717	Water Supply & Irrigation Systems	30		N	N
19 Discount Pool & Spa Supply	26359 Western Ave	Lomita	CA	90717	Commercial Building Construction	30		N	N
20 Pacific Dialysis Svc Inc	1830 Lomita Blvd	Lomita	CA	90717	Freestanding Emergency Medical Centers	30		N	N*
21 Pizza Hut	2064 Pacific Coast Hwy	Lomita	CA	90717	Limited-Service Restaurants	30		N	N
22 Lomita City Hall Offices	24300 Narbonne Ave	Lomita	CA	90717	Executive Offices	26		N	N
23 Housing Authority of La County	26607 Western Ave	Lomita	CA	90717	Residential Property Managers	25		N	Y
24 St Margaret Mary Catholic Schl	25515 Eshelman Ave	Lomita	CA	90717	Elementary & Secondary Schools	25		N	Y
25 Sizzler	2421 Pacific Coast Hwy	Lomita	CA	90717	Limited-Service Restaurants	25		N	N
26 Taco Bell	2054 Lomita Blvd	Lomita	CA	90717	Limited-Service Restaurants	25		N	N
27 Hot N Tot	2347 Pacific Coast Hwy	Lomita	CA	90717	Limited-Service Restaurants	25		N	N
28 Mirage Car Wash & Gas Station	2121 Palos Verdes Dr N	Lomita	CA	90717	Car Washes	25		N	N
29 KFC	26715 Western Ave	Lomita	CA	90717	Limited-Service Restaurants	24		N	N
30 Discovery World Infant Ctr	25533 Narbonne Ave	Lomita	CA	90717	Child Day Care Svcs	23		N	N*
31 Magnum Builders Inc	25419 Narbonne Ave	Lomita	CA	90717	Commercial Building Construction	20		N	N
32 Burton's Saw Sharpening Power	1800 Pacific Coast Hwy	Lomita	CA	90717	Outdoor Power Equip Stores	20		N	N*
33 Everlin Enterprise	2315 Pacific Coast Hwy # 4	Lomita	CA	90717	Offices of Real Estate Agents & Brokers	20		N	Y
34 Andy's Termite & Pest Control	25030 Narbonne Ave	Lomita	CA	90717	Exterminating & Pest Control Svcs	20		N	N
35 Parker's Tree Svc	25835 Narbonne Ave # 280b	Lomita	CA	90717	Landscaping Svcs	20		N	N
36 Com Forcare Senior Svc	26302 Western Ave	Lomita	CA	90717	Home Health Care Svcs	20		N	N*
37 Bodymack Fitness	26327 Western Ave	Lomita	CA	90717	Fitness & Recreational Sports Centers	20		N	N
38 Domino's Pizza	1844 Pacific Coast Hwy	Lomita	CA	90717	Limited-Service Restaurants	20		N	N
39 L A County Public Works Dept	24309 Walnut St	Lomita	CA	90717	Highway, Street, & Bridge Construction	18		N	N
40 Harbor Freight Tools USA Inc	2040 Pacific Coast Hwy # B	Lomita	CA	90717	Hardware Merchant Whols	18		N	N*

Lomita: Multi-Unit Residential and PEV Registrations

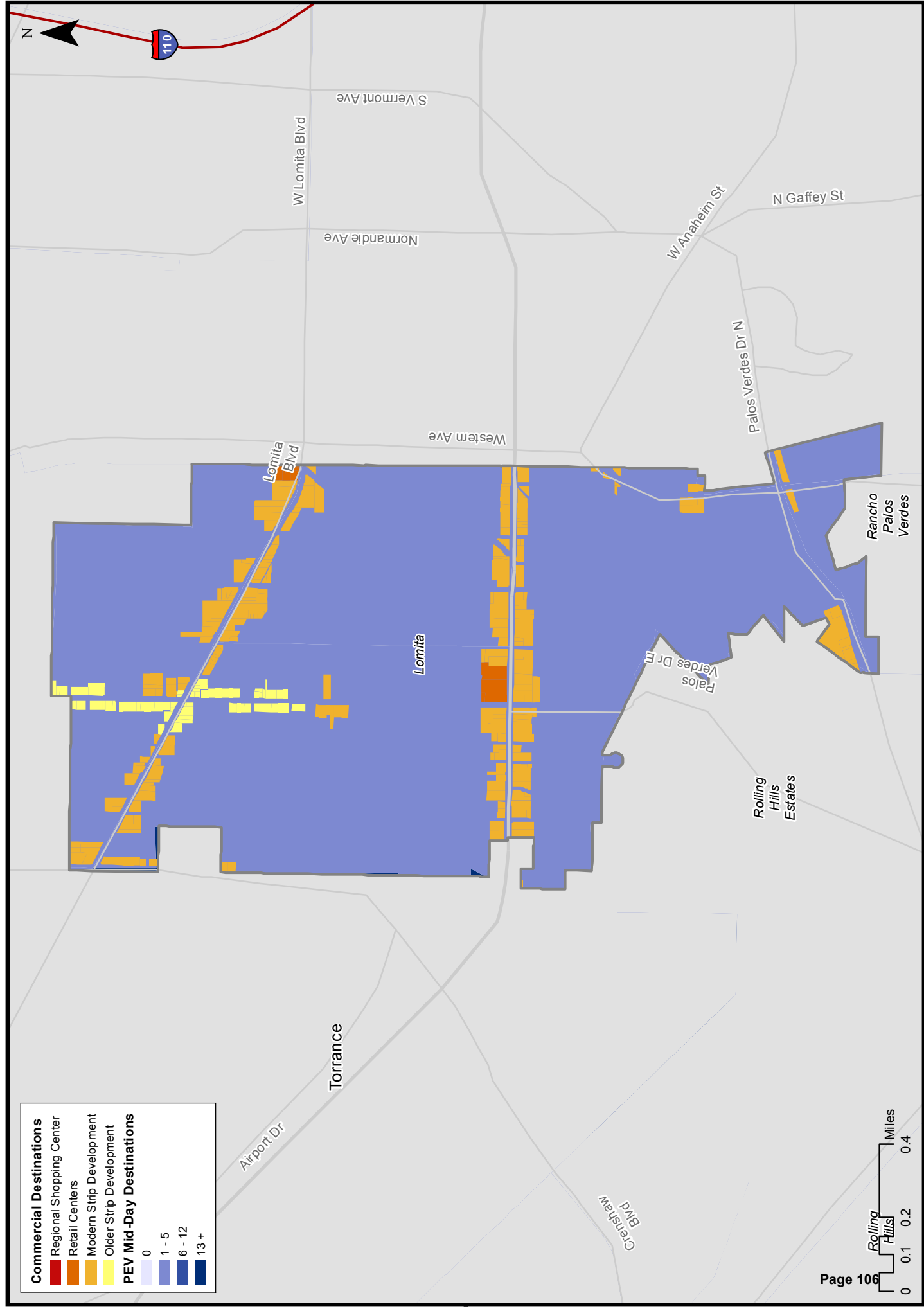


Lomita: Top Multi-Unit Dwellings									
	Address	City	ST	ZIP	Units	Condo	Year Built	Average Value/Unit	PEV Density
1	24410 Crenshaw Blvd	Lomita	CA	90505	88	Y	1987	\$238,770	
2	25109 Ebony Ln	Lomita	CA	90717	67	N	1986	\$57,670	
3	1982 Rolling Vista Dr	Lomita	CA	90717	62	Y	1965	\$546,209	
4	25625 Narbonne Ave	Lomita	CA	90717	61	N	1964	\$50,379	
5	24818 Eshelman Ave	Lomita	CA	90717	54	N	1962	\$58,783	
6	25900 Narbonne Ave	Lomita	CA	90717	52	N	1963	\$60,774	
7	26019 Oak St	Lomita	CA	90717	51	N	1961	\$47,910	
8	1801 263rd St	Lomita	CA	90717	50	Y	1981	\$271,878	
9	26100 Narbonne Ave	Lomita	CA	90717	48	N	1962	\$109,115	
10	25930 Narbonne Ave	Lomita	CA	90717	47	Y	1978	\$156,812	
11	25925 Narbonne Ave	Lomita	CA	90717	46	Y	1973	\$179,728	
12	25917 Narbonne Ave	Lomita	CA	90717	46	N	1963	\$62,952	
13	25110 Eshelman Ave	Lomita	CA	90717	46	N	1963	\$70,600	
14	26004 Narbonne Ave	Lomita	CA	90717	44	N	1961	\$131,204	
15	25837 Oak St	Lomita	CA	90717	41	Y	1976	\$143,961	
16	26001 Narbonne Ave	Lomita	CA	90717	40	N	1963	\$96,140	
17	26130 Narbonne Ave	Lomita	CA	90717	39	Y	1975	\$350,000	H
18	25841 Narbonne Ave	Lomita	CA	90717	38	N	1962	\$132,651	
19	2333 241st St	Lomita	CA	90717	37	Y	1979	\$229,431	
20	2302 241st St	Lomita	CA	90717	37	Y	1989	\$337,403	

Lomita: Commercial (Retail) Destinations



Lomita: PEV Mid-Day Destinations and Commercial (Retail) Locations

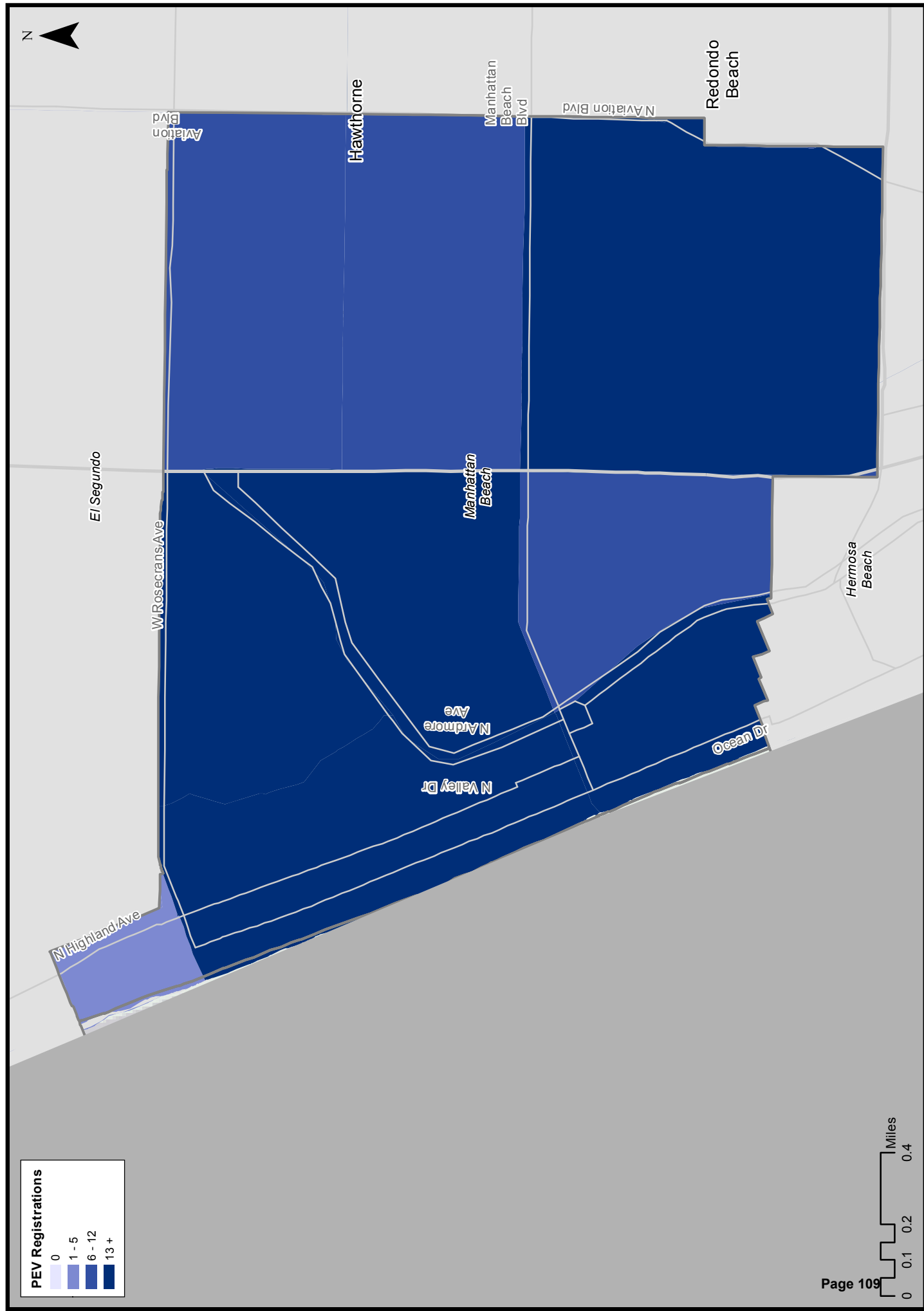


Lomita: Top Retailers									
	Company	Address	City	ST	ZIP	NAICS Code	Type	Annual Sales Volume (in thousands)	PEV Density
1	A-1 Coast Rentals	2457 Lomita Blvd	Lomita	CA	90717	45399871	Store Retailers Not Specified Elsewhere	\$9,849	
2	Liberty Appliance	1859 Lomita Blvd	Lomita	CA	90717	44311104	Household Appliance Stores	\$4,896	
3	Lomita Park	24428 Eshelman Ave	Lomita	CA	90717	71219004	Nature Parks & Other Similar Institutions	\$4,002	
4	Island Carpet Cleaning	26340 Western Ave	Lomita	CA	90717	44221001	Floor Covering Stores	\$3,540	
5	Cycle Gear	2040 Pacific Coast Hwy	Lomita	CA	90717	44122109	Motorcycle Dealers	\$3,388	
6	Norm's Restaurant	2448 Pacific Coast Hwy	Lomita	CA	90717	72221105	Limited-Service Restaurants	\$3,200	
7	Lee's Tires	1864 Lomita Blvd	Lomita	CA	90717	44132001	Tire Dealers	\$3,094	
8	CVS Pharmacy	25829 Narbonne Ave	Lomita	CA	90717	44611009	Pharmacies & Drug Stores	\$2,745	
9	Burton's Saw Sharpening Power	1800 Pacific Coast Hwy	Lomita	CA	90717	44421002	Outdoor Power Equip Stores	\$2,700	
10	Jim's Auto Sales Inc	2002 Pacific Coast Hwy	Lomita	CA	90717	44112005	Used Car Dealers	\$2,684	
11	Marble Expo	2330 Pacific Coast Hwy	Lomita	CA	90717	44411001	Home Centers	\$2,450	
12	South Bay Triumph	2101 Pacific Coast Hwy	Lomita	CA	90717	44122108	Motorcycle Dealers	\$2,420	
13	Jean's Mobile Homes	25323 Narbonne Ave	Lomita	CA	90717	45393001	Manufactured, Mobile, Home Dealers	\$2,255	
14	Run USA Auto Sales	2429 Lomita Blvd # A	Lomita	CA	90717	44112005	Used Car Dealers	\$2,013	
15	Autozone	1973 Lomita Blvd	Lomita	CA	90717	44131011	Automotive Parts & Accessories Stores	\$1,950	
16	Susie's Deals	1930 Pacific Coast Hwy	Lomita	CA	90717	44812010	Women's Clothing Stores	\$1,738	
17	CVS Pharmacy	2001 Pacific Coast Hwy	Lomita	CA	90717	44511003	Supermarkets & Other Grocery Stores	\$1,647	
18	7-Eleven	2005 Lomita Blvd	Lomita	CA	90717	44512001	Convenience Stores	\$1,568	
19	Deja Vu Smoke & Gift	1815 Pacific Coast Hwy	Lomita	CA	90717	45399103	Tobacco Stores	\$1,540	
20	Hogfeathers Motorcycle Rentals	1928 Pacific Coast Hwy	Lomita	CA	90717	44122108	Motorcycle Dealers	\$1,452	
21	Mirage Car Wash & Gas Station	2121 Palos Verdes Dr N	Lomita	CA	90717	81119208	Car Washes	\$1,425	
22	Discount Glass & Mirror Co	2240 Lomita Blvd	Lomita	CA	90717	44419058	Other Building Material Dealers	\$1,407	
23	Alltech Electronics Co	2018 Lomita Blvd # 1	Lomita	CA	90717	44312001	Computer & Software Stores	\$1,372	
24	7-Eleven	1878 Pacific Coast Hwy	Lomita	CA	90717	44512001	Convenience Stores	\$1,344	
25	A Plus Auto	1940 Pacific Coast Hwy	Lomita	CA	90717	44112005	Used Car Dealers	\$1,342	
26	Medi-Val Drugs	2233 Lomita Blvd	Lomita	CA	90717	44611009	Pharmacies & Drug Stores	\$1,281	
27	Lomita Trailer Supply	2250 Pacific Coast Hwy	Lomita	CA	90717	44131039	Automotive Parts & Accessories Stores	\$1,280	
28	Szechwan Chinese Food	2107 Pacific Coast Hwy	Lomita	CA	90717	72221105	Limited-Service Restaurants	\$1,240	
29	K B Food Market Plus	2380 Lomita Blvd	Lomita	CA	90717	44512001	Convenience Stores	\$1,235	
30	Jade Health Products	1931 Pacific Coast Hwy	Lomita	CA	90717	44619103	Food, Health, Supplement Stores	\$1,210	
31	Pizza Hut	2064 Pacific Coast Hwy	Lomita	CA	90717	72221105	Limited-Service Restaurants	\$1,200	
32	Markon Computer Science Inc	25012 Narbonne Ave	Lomita	CA	90717	81121206	Computer & Office Machine Repair	\$1,141	
33	Domino's Pizza	1844 Pacific Coast Hwy	Lomita	CA	90717	72221105	Limited-Service Restaurants	\$1,120	
34	A M Gamby Mortuary	25001 Narbonne Ave	Lomita	CA	90717	81222007	Cemeteries & Crematories	\$1,071	
35	Sakura Video	2383 Lomita Blvd # 108	Lomita	CA	90717	45122004	Prerecorded Tape, CD, & Record Stores	\$1,050	
36	Goodwill Industries	2300 Pacific Coast Hwy	Lomita	CA	90717	45331013	Used Merchandise Stores	\$1,010	
37	Sizzler	2421 Pacific Coast Hwy	Lomita	CA	90717	72221105	Limited-Service Restaurants	\$1,000	
38	Taco Bell	2054 Lomita Blvd	Lomita	CA	90717	72221105	Limited-Service Restaurants	\$1,000	
39	Hot N Tot	2347 Pacific Coast Hwy	Lomita	CA	90717	72221105	Limited-Service Restaurants	\$1,000	
40	Moran's Liquor	2354 Pacific Coast Hwy	Lomita	CA	90717	44531004	Beer, Wine, & Liquor Stores	\$969	

Gas Stations

1	Lomita Mobile	25808 Narbonne Ave	Lomita	CA	90717	44719005	Other Gasoline Stations	\$3,248	
2	Ace Shell	2477 Lomita Blvd	Lomita	CA	90717	44719005	Other Gasoline Stations	\$2,320	
3	Lomita Mobil Auto Repair	25808 Narbonne Ave	Lomita	CA	90717	44719005	Other Gasoline Stations	\$1,856	

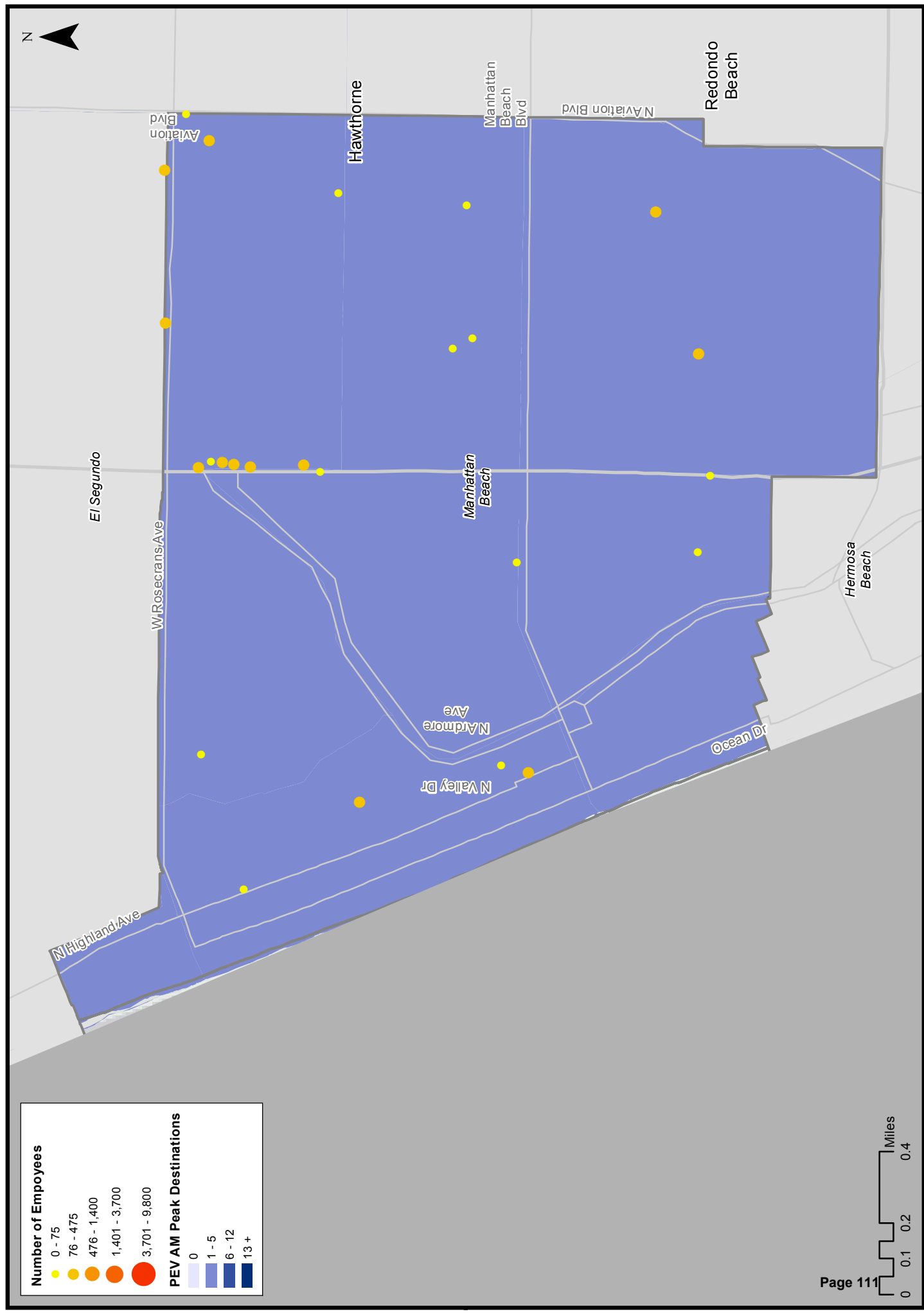
Manhattan Beach: Plug-in Electric Vehicle Registrations



Manhattan Beach: Top Workplaces by Number of Employees



Manhattan Beach: PEV Morning Peak Destinations and Top Workplaces



Manhattan Beach: Top Employers										
	Company	Address	City	ST	ZIP	Type	Employees	PEV Density	High Tech	White Collar
1	Kinecta Federal Union	1440 Rosecrans Ave	Manhattan Beach	CA	90266	Credit Unions	585		N	Y
2	Target	1200 N Sepulveda Blvd	Manhattan Beach	CA	90266	Department Stores, Except Discount	337		N	N*
3	Macy's	3400 Sepulveda Blvd	Manhattan Beach	CA	90266	Department Stores, Except Discount	274		N	N*
4	Richard Friedman	441 28th St	Manhattan Beach	CA			250			
5	Earthguard, LLC	P.O. Box 3265	Manhattan Beach	CA	90266		250			
6	Mira Costa High School	701 S Peck Ave	Manhattan Beach	CA	90266	Elementary & Secondary Schools	200		N	Y
7	Marriott-Manhattan Beach	1400 Park View Ave	Manhattan Beach	CA	90266	Hotels & Motels, Except Casino Hotels	200		N	N
8	Houston's Restaurant	1550 Rosecrans Ave # A	Manhattan Beach	CA	90266	Limited-Service Restaurants	200		N	N
9	Shorewood Realtors Inc	917 Manhattan Beach Blvd	Manhattan Beach	CA	90266	Offices of Real Estate Agents & Brokers	175		N	Y
10	South Bay Brokers	2501 N Sepulveda Blvd # 2	Manhattan Beach	CA	90266	Offices of Real Estate Agents & Brokers	150		N	Y
11	Belamar Hotel	3501 N Sepulveda Blvd	Manhattan Beach	CA	90266	Hotels & Motels, Except Casino Hotels	134		N	N
12	Ralphs	2700 N Sepulveda Blvd	Manhattan Beach	CA	90266	Supermarkets & Other Grocery Stores	125		N	N*
13	REI	1800 Rosecrans Ave # E	Manhattan Beach	CA	90266	Sporting Goods Stores	125		N	Y
14	Old Navy	1800 Rosecrans Ave	Manhattan Beach	CA	90266	Men's Clothing Stores	120		N	Y
15	California Pizza Kitchen	3280 N Sepulveda Blvd	Manhattan Beach	CA	90266	Limited-Service Restaurants	100		N	N
16	Il Fornaio	1800 Rosecrans Ave	Manhattan Beach	CA	90266	Limited-Service Restaurants	100		N	N
17	Manhattan Beach Traffic Engr	1400 Highland Ave	Manhattan Beach	CA	90266	Legislative Bodies	100		N	N
18	Grandview Elementary School	455 24th St	Manhattan Beach	CA	90266	Elementary & Secondary Schools	90		N	Y
19	Kettle	1138 Highland Ave	Manhattan Beach	CA	90266	Limited-Service Restaurants	90		N	N
20	Chili's Grill & Bar	2620 N Sepulveda Blvd	Manhattan Beach	CA	90266	Limited-Service Restaurants	85		N	N
21	LA Food Show	3212 N Sepulveda Blvd	Manhattan Beach	CA	90266	Limited-Service Restaurants	85		N	N
22	Trader Joe's	1821 Manhattan Beach Blvd	Manhattan Beach	CA	90266	Supermarkets & Other Grocery Stores	80		N	N*
23	Tecolote Research	3601 N Aviation Blvd # 1600	Manhattan Beach	CA	90266	Convention & Trade Show Organizers	75		N	Y
24	Shade Hotel	1221 N Valley Dr	Manhattan Beach	CA	90266	Hotels & Motels, Except Casino Hotels	75		N	N
25	Barnes & Noble Booksellers	1800 Rosecrans Ave # B	Manhattan Beach	CA	90266	Book Stores	70		N	Y
26	Real Estate West	904 Manhattan Ave # 4	Manhattan Beach	CA	90266	Offices of Real Estate Agents & Brokers	70		N	Y
27	Child Development Ctr	1431 15th St	Manhattan Beach	CA	90266	Elementary & Secondary Schools	70		N	Y
28	Manhattan Beach Middle School	1501 N Redondo Ave	Manhattan Beach	CA	90266	Elementary & Secondary Schools	70		N	Y
29	Shorewood-Realtors-Inc	3300 Highland Ave	Manhattan Beach	CA	90266	Offices of Real Estate Agents & Brokers	65		N	Y
30	Manhattan Beach USD	325 S Peck Ave	Manhattan Beach	CA	90266	Elementary & Secondary Schools	65		N	Y
31	Islands Restaurant	3200 N Sepulveda Blvd # D1	Manhattan Beach	CA	90266	Limited-Service Restaurants	65		N	N
32	Manhattan Beach Police Dept	1501 N Peck Ave	Manhattan Beach	CA	90266	Police Protection	65		N	N
33	Milestone Mortgage	111 N Sepulveda Blvd # 300	Manhattan Beach	CA	90266	Real Estate Credit	60		N	Y
34	Adventure Plex	1701 Marine Ave	Manhattan Beach	CA	90266	Fitness & Recreational Sports Centers	60		N	N
35	Coco's Bakery Restaurant	2620 N Sepulveda Blvd # A	Manhattan Beach	CA	90266	Limited-Service Restaurants	60		N	N
36	AAA Insurance	700 S Aviation Blvd	Manhattan Beach	CA	90266	Travel Agencies	57		N	Y
37	Manhattan Beach Public Works	3621 Bell Ave	Manhattan Beach	CA	90266	Highway, Street, & Bridge Construction	55		N	N
38	Pennkamp Elementary School	110 S Rowell Ave	Manhattan Beach	CA	90266	Elementary & Secondary Schools	55		N	Y
39	Platinum Capital Group	3500 N Sepulveda Blvd	Manhattan Beach	CA	90266	Real Estate Credit	54		N	Y
40	Meadows Avenue Elementary Schl	1200 N Meadows Ave	Manhattan Beach	CA	90266	Elementary & Secondary Schools	52		N	Y

INFOUSA Over 250

1	Tsdesignstudio	514 N Redondo Ave	Manhattan Beach	CA	90266	Graphic Design Svcs	310		N	Y
2	Fry's Electronics	3600 S Sepulveda Blvd	Manhattan Beach	CA	90266	Radio, TV & Other Electronics Stores	280		N	Y
3	Manhattan Beach City Finance	1400 Highland Ave	Manhattan Beach	CA	90266	Legislative Bodies	250		N	N

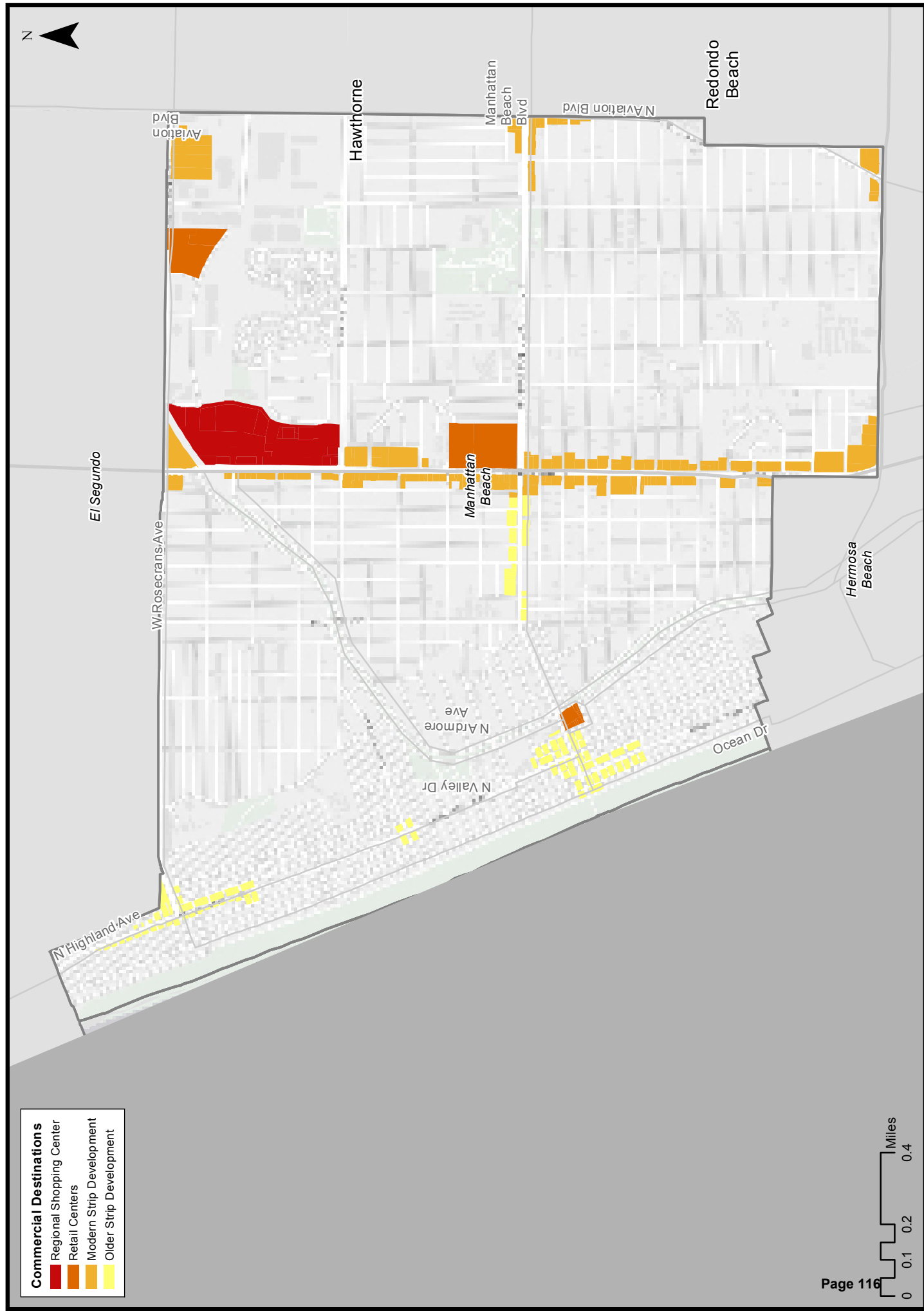
*Reclassified by the Luskin Center

Manhattan Beach: Multi-Unit Residential and PEV Registrations

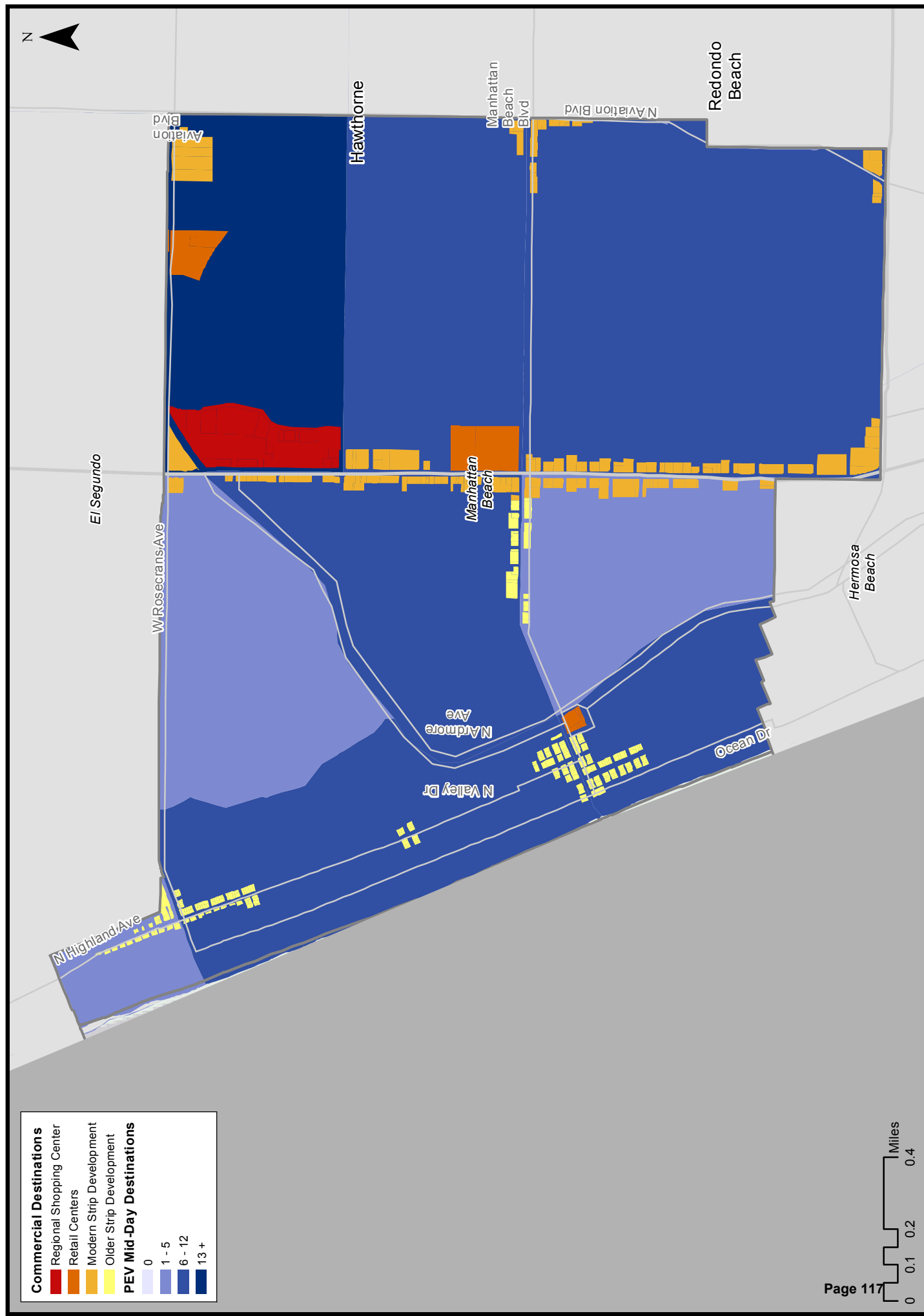


Manhattan Beach: Top Multi-Unit Dwellings									
	Address	City	ST	ZIP	Units	Condo	Year Built	Average Value/Unit	PEV Density
1	1304 Park View Ave	Manhattan Beach	CA	90266	104	N	1997	\$30,569	M
2	1300 Park View Ave	Manhattan Beach	CA	90266	104	N	1997	\$40,944	M
3	3400 N Valley Dr	Manhattan Beach	CA	90266	48	N	1991	\$94,418	H
4	1150 Tennyson St	Manhattan Beach	CA	90266	38	N	1963	\$124,604	H
5	313 Aviation Pl	Manhattan Beach	CA	90266	28	Y	2002	\$670,023	
6	1601 Artesia Blvd	Manhattan Beach	CA	90266	21	N		\$21,909	H
7	1200 Manhattan Beach Blvd	Manhattan Beach	CA	90266	18	N	1969	\$119,353	H
8	1155 11th St	Manhattan Beach	CA	90266	17	Y	1973	\$353,377	
9	1128 Highview Ave	Manhattan Beach	CA	90266	16	N	1954	\$54,490	H
10	1000 Highland Ave	Manhattan Beach	CA	90266	16	N	1959	\$52,963	H
11	1643 Artesia Blvd	Manhattan Beach	CA	90266	14	N	1959	\$112,799	H
12	747 12th St	Manhattan Beach	CA	90266	13	N	1962	\$72,509	H
13	1555 Artesia Blvd	Manhattan Beach	CA	90266	13	N	1960	\$78,868	H
14	777 Manhattan Beach Blvd	Manhattan Beach	CA	90266	13	N	1961	\$198,922	H
15	1350 12th St	Manhattan Beach	CA	90266	13	N	1964	\$127,643	M
16	3901 Highland Ave	Manhattan Beach	CA	90266	13	N	1961	\$132,442	
17	505 Manhattan Beach Blvd	Manhattan Beach	CA	90266	12	N	1989	\$200,460	H
18	320 11th St	Manhattan Beach	CA	90266	12	N	1958	\$178,975	M
19	640 Manhattan Beach Blvd	Manhattan Beach	CA	90266	12	Y	1969	\$196,317	M
20	653 Manhattan Beach Blvd	Manhattan Beach	CA	90266	12	Y	1979	\$843,658	

Manhattan Beach: Commercial (Retail) Destinations



Manhattan Beach: PEV Mid-Day Destinations and Commercial (Retail) Locations



Manhattan Beach: Top Retailers									
	Company	Address	City	ST	ZIP	NAICS Code	Type	Annual Sales Volume (in thousands)	PEV Density
1	Fry's Electronics	3600 S Sepulveda Blvd	Manhattan Beach	CA	90266	44311207	Radio, TV & Other Electronics Stores	\$90,440	H
2	Target	1200 N Sepulveda Blvd	Manhattan Beach	CA	90266	45211101	Department Stores, Except Discount	\$69,540	M
3	Macy's	3400 N Sepulveda Blvd	Manhattan Beach	CA	90266	45211101	Department Stores, Except Discount	\$40,500	H
4	Ralphs	2700 N Sepulveda Blvd	Manhattan Beach	CA	90266	44511003	Supermarkets & Other Grocery Stores	\$30,875	H
5	Mercedes Benz-Manhattan Beach	707 N Sepulveda Blvd	Manhattan Beach	CA	90266	44112005	Used Car Dealers	\$26,840	
6	Old Navy	1800 Rosecrans Ave	Manhattan Beach	CA	90266	44811006	Men's Clothing Stores	\$22,320	
7	Trader Joe's	1821 Manhattan Beach Blvd	Manhattan Beach	CA	90266	44511003	Supermarkets & Other Grocery Stores	\$19,760	
8	Marriott-Manhattan Beach	1400 Park View Ave	Manhattan Beach	CA	90266	72111002	Hotels & Motels, Except Casino Hotels	\$19,600	H
9	REI	1800 Rosecrans Ave # E	Manhattan Beach	CA	90266	45111055	Sporting Goods Stores	\$18,500	H
10	Vons	410 Manhattan Beach Blvd	Manhattan Beach	CA	90266	44511003	Supermarkets & Other Grocery Stores	\$11,115	
11	Barnes & Noble Booksellers	1800 Rosecrans Ave # B	Manhattan Beach	CA	90266	45121105	Book Stores	\$9,310	
12	Gap	3200 N Sepulveda Blvd	Manhattan Beach	CA	90266	44814001	Family Clothing Stores	\$9,300	H
13	Houston's Restaurant	1550 Rosecrans Ave # A	Manhattan Beach	CA	90266	72221105	Limited-Service Restaurants	\$8,000	H
14	Belamar Hotel	3501 N Sepulveda Blvd	Manhattan Beach	CA	90266	72111002	Hotels & Motels, Except Casino Hotels	\$7,350	
15	Shade Hotel	1221 N Valley Dr	Manhattan Beach	CA	90266	72111002	Hotels & Motels, Except Casino Hotels	\$7,350	
16	Longs Drugs	1570 Rosecrans Ave	Manhattan Beach	CA	90266	44422012	Nursery, Garden, & Farm Supply Stores	\$6,222	H
17	Jamba Juice	1590 Rosecrans Ave # P	Manhattan Beach	CA	90266	44523005	Fruit & Vegetable Markets	\$6,216	H
18	Jamba Juice	332 Manhattan Beach Blvd	Manhattan Beach	CA	90266	44523005	Fruit & Vegetable Markets	\$5,994	M
19	Dietz Brothers Music	240 S Sepulveda Blvd # B	Manhattan Beach	CA	90266	45114008	Musical Instrument & Supplies Stores	\$5,600	M
20	California Pizza Kitchen	3280 N Sepulveda Blvd	Manhattan Beach	CA	90266	72221105	Limited-Service Restaurants	\$5,600	H
21	Robeks Corp	1230 Rosecrans Ave	Manhattan Beach	CA	90266	44523005	Fruit & Vegetable Markets	\$5,550	H
22	Office Depot	1700 Rosecrans Ave	Manhattan Beach	CA	90266	45321007	Office Supplies & Stationery Stores	\$4,235	H
23	Il Fornaio	1800 Rosecrans Ave	Manhattan Beach	CA	90266	72221105	Limited-Service Restaurants	\$4,000	
24	Diane's Swimwear	1125 Manhattan Ave	Manhattan Beach	CA	90266	44815039	Clothing Accessories Stores	\$3,875	M
25	Babystyle	3200 N Sepulveda Blvd	Manhattan Beach	CA	90266	44814001	Family Clothing Stores	\$3,720	M
26	Kettle	1138 Highland Ave	Manhattan Beach	CA	90266	72221105	Limited-Service Restaurants	\$3,600	
27	Manhattan Beach Parks & Rec	1400 Highland Ave	Manhattan Beach	CA	90266	71219004	Nature Parks & Other Similar Institutions	\$3,480	M
28	Adventure Plex	1701 Marine Ave	Manhattan Beach	CA	90266	71394015	Fitness & Recreational Sports Centers	\$3,480	H
29	Better Bytes Business Systems	1308 N Ardmore Ave	Manhattan Beach	CA	90266	44312001	Computer & Software Stores	\$3,430	M
30	Chili's Grill & Bar	2620 N Sepulveda Blvd	Manhattan Beach	CA	90266	72221105	Limited-Service Restaurants	\$3,400	H
31	LA Food Show	3212 N Sepulveda Blvd	Manhattan Beach	CA	90266	72221105	Limited-Service Restaurants	\$3,400	H
32	Entertainment Experience	1600 Rosecrans Ave	Manhattan Beach	CA	90266	71119007	Other Performing Arts Companies	\$3,300	M
33	Pier 1 Imports	1800 Rosecrans Ave # C	Manhattan Beach	CA	90266	45211101	Department Stores, Except Discount	\$3,240	H
34	Residence Inn-Los Angeles Lax	1700 N Sepulveda Blvd	Manhattan Beach	CA	90266	72111002	Hotels & Motels, Except Casino Hotels	\$2,940	M
35	Globe Tire & Motorsports	500 N Sepulveda Blvd	Manhattan Beach	CA	90266	44132001	Tire Dealers	\$2,873	M
36	Coach	3208 N Sepulveda Blvd	Manhattan Beach	CA	90266	44832002	Luggage & Leather Goods Stores	\$2,760	H
37	Manhattan Country Club	1330 Park View Ave	Manhattan Beach	CA	90266	72231001	Food Svc Contrs	\$2,726	H
38	Islands Restaurant	3200 N Sepulveda Blvd # D1	Manhattan Beach	CA	90266	72221105	Limited-Service Restaurants	\$2,600	M
39	Sephora	3200 N Sepulveda Blvd # C2	Manhattan Beach	CA	90266	44612001	Cosmetic & Beauty Supply Stores	\$2,546	H
40	Coco's Bakery Restaurant	2620 N Sepulveda Blvd # A	Manhattan Beach	CA	90266	72221105	Limited-Service Restaurants	\$2,400	H

Gas stations

1	Mobil	1865 Manhattan Beach Blvd	Manhattan Beach	CA	90266	44719005	Other Gasoline Stations	\$2,784	M
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Unranked but significant

1	Trader Joe's	1800 Rosecrans Ave	Manhattan Beach	CA	90266				H
2	24 Hour Fitness	1500 Rosecrans Ave	Manhattan Beach	CA	90266				H
3	LA Fitness	1133 Artesia Blvd	Manhattan Beach	CA	90266				M

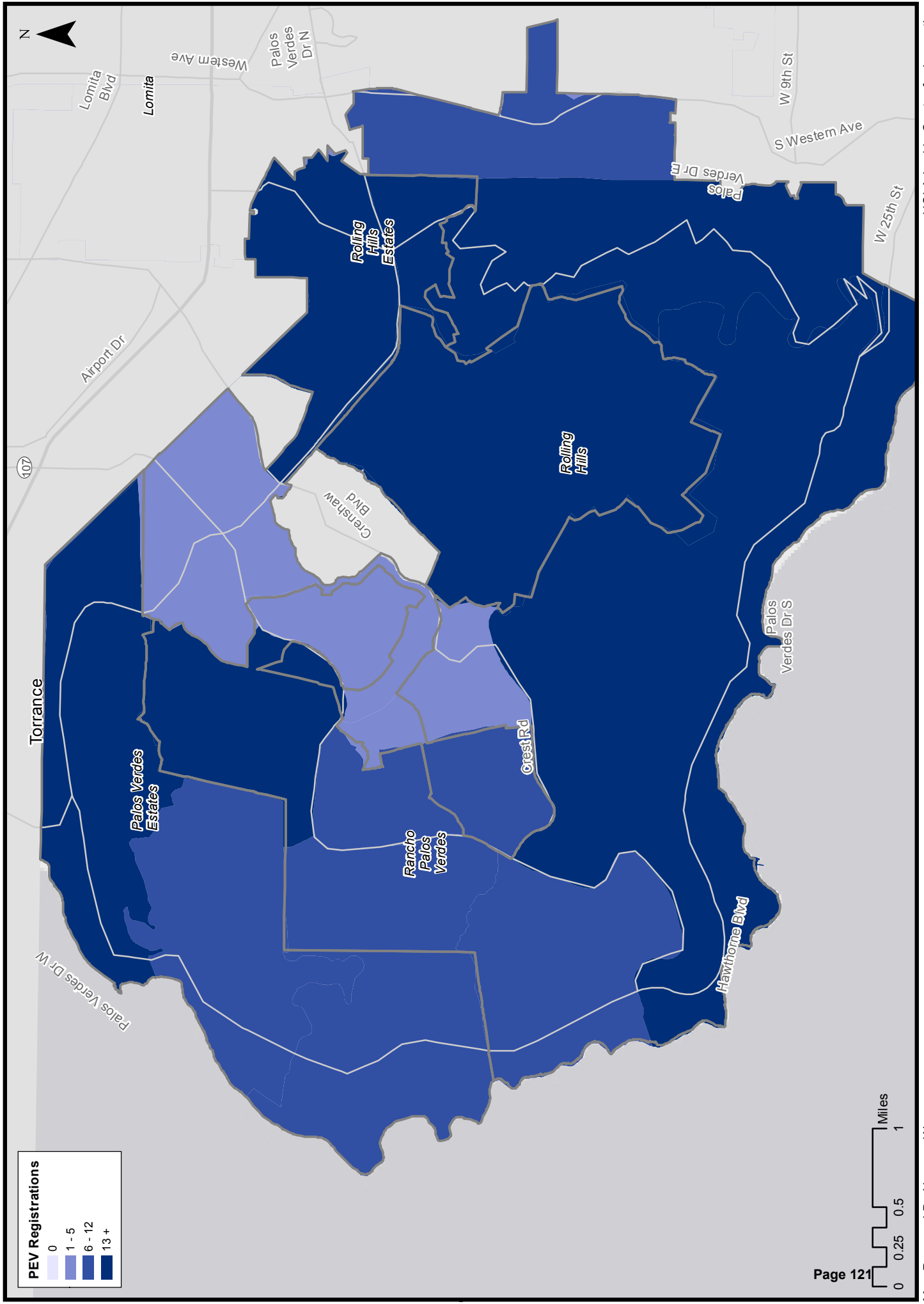
Manhattan Beach: Publicly-Accessible Charging Stations (Summer/Fall 2012)



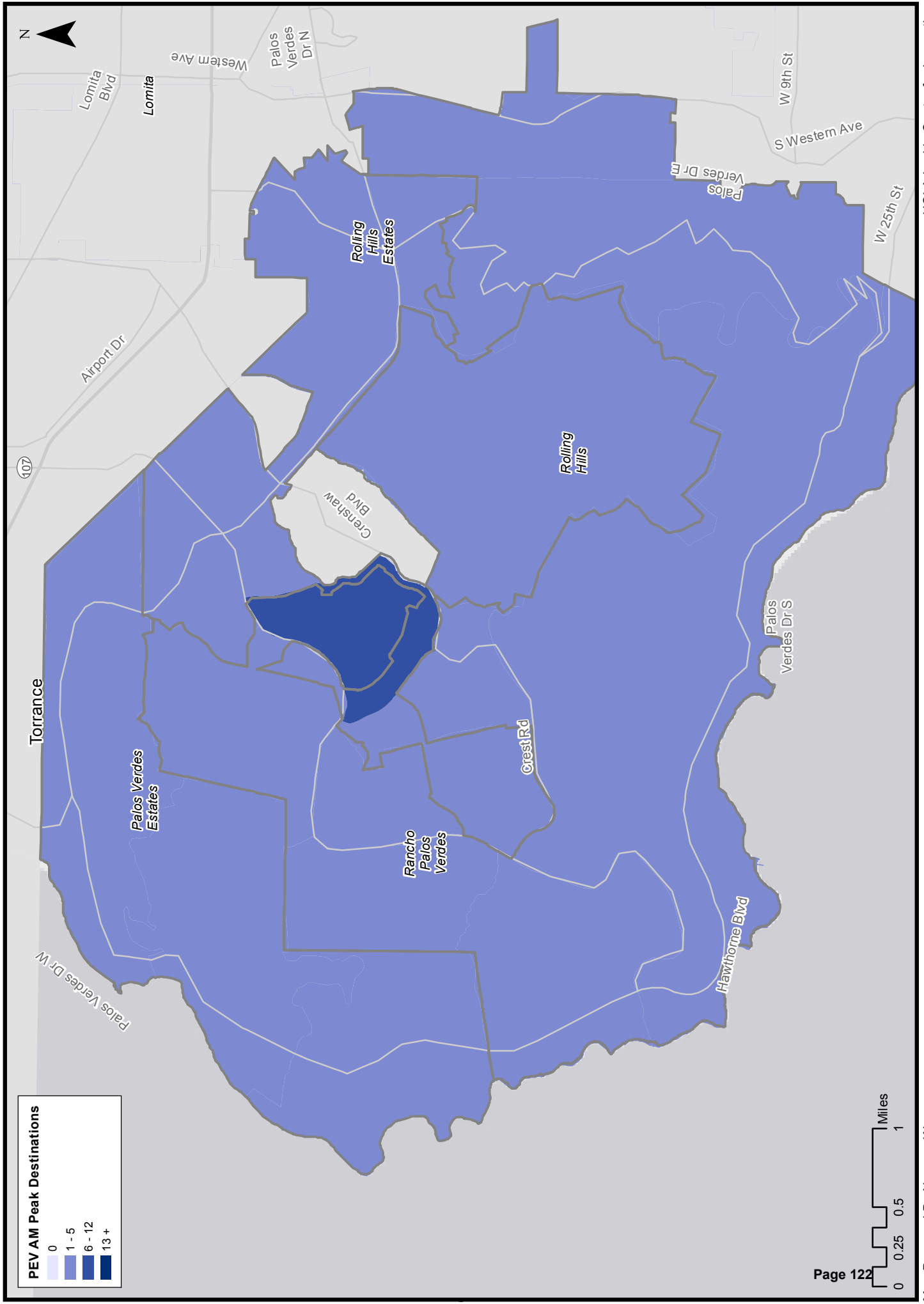
Manhattan Beach: Stand-alone Parking Facilities



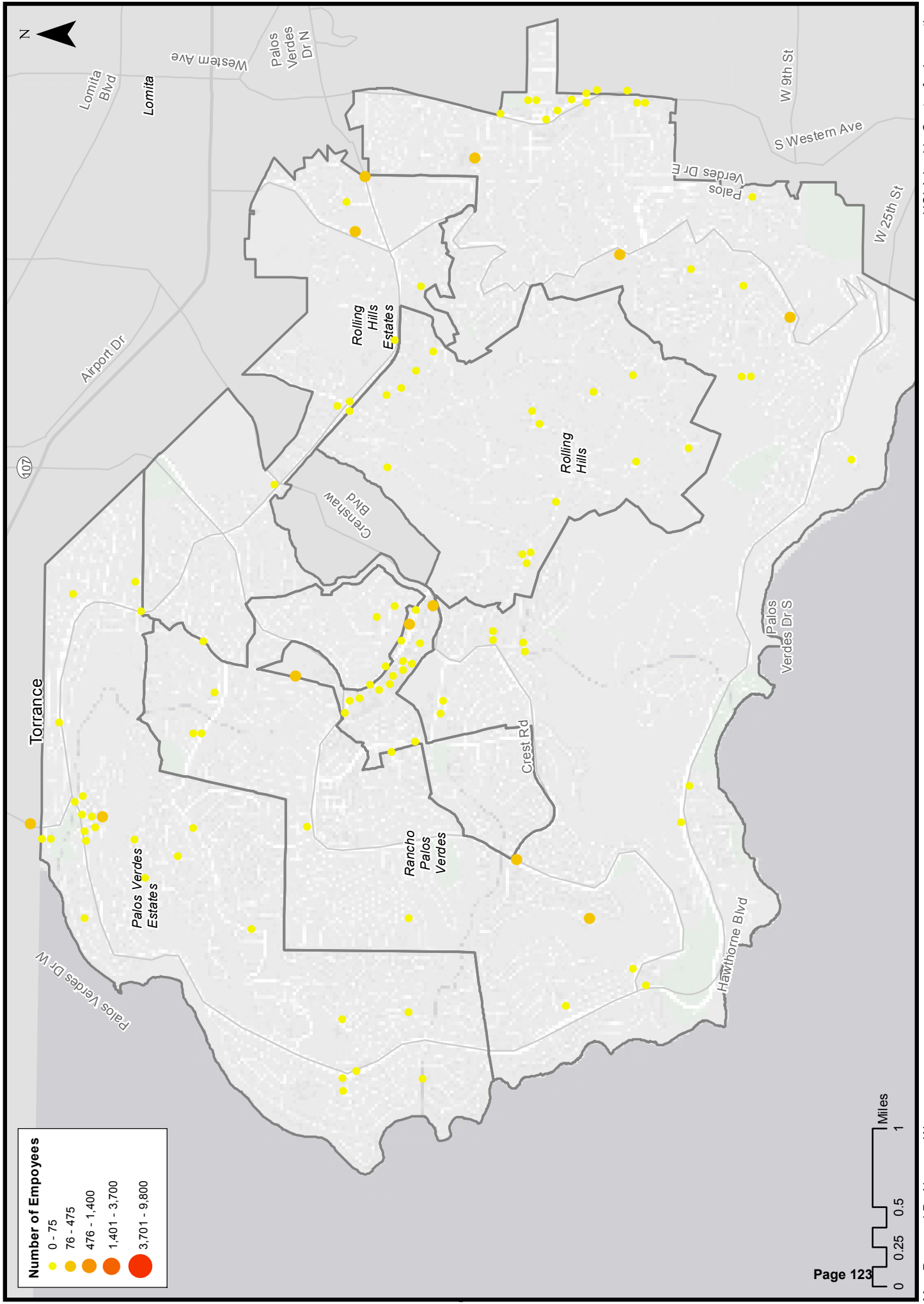
Palos Verdes Peninsula Plug-in Electric Vehicle Registrations



Palos Verdes Peninsula Plug-in Electric Vehicle Morning Peak Destinations

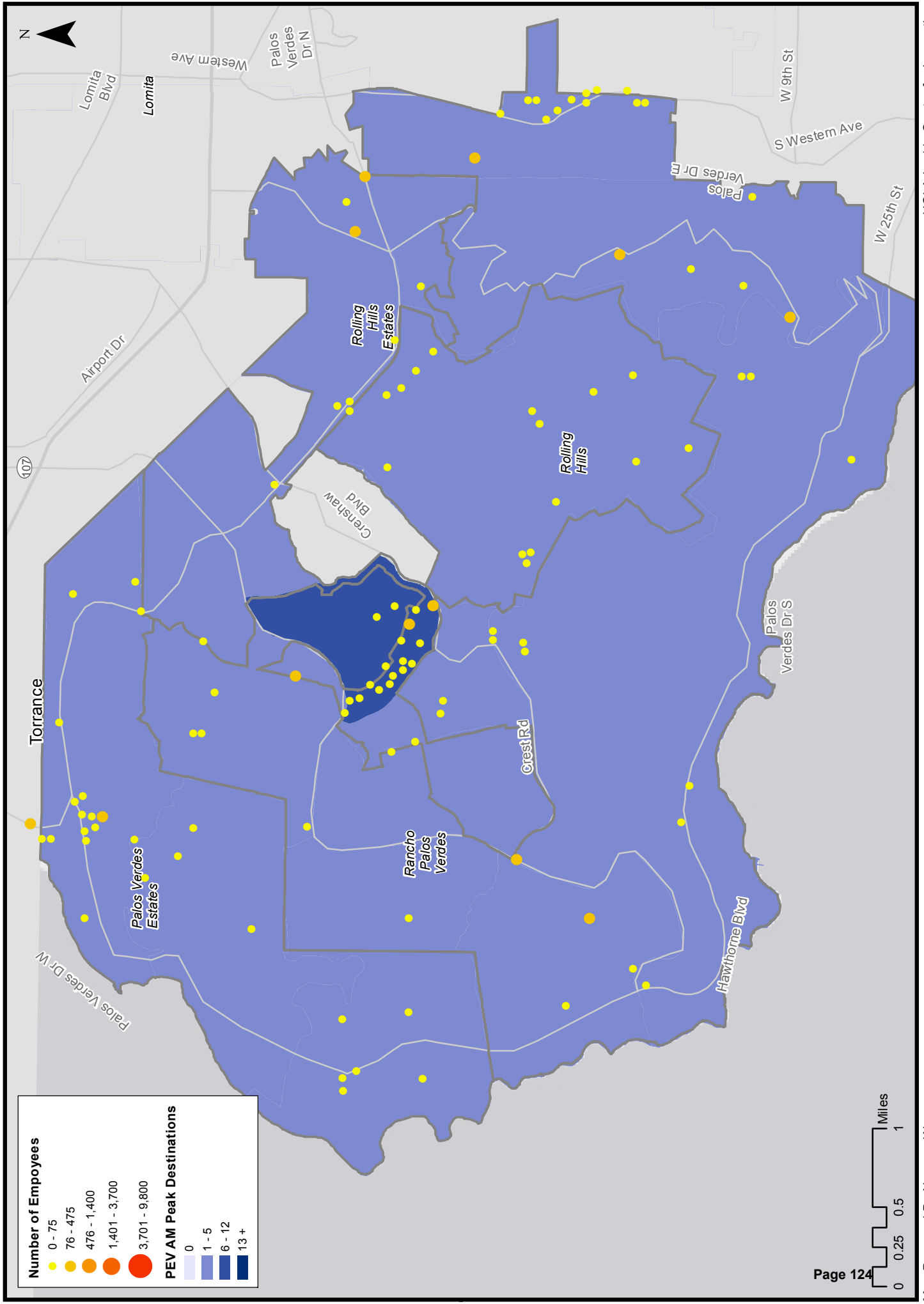


Palos Verdes Peninsula Top Workplaces by Number of Employees



Palos Verdes Peninsula

PEV Morning Peak Destinations and Top Workplaces



Palos Verdes Estates: Top Employers										
	Company	Address	City	ST	ZIP	Type	Employees	PEV Density	High Tech	White Collar
1	Re/Max Palos Verdes Realty	63 Malaga Cove Plz	Palos Vrds Ests	CA	90274	Other Activities Related to Real Estate	100		N	Y
2	Palos Verdes High School	600 Cloyden Rd	Palos Vrds Ests	CA	90274	Elementary & Secondary Schools	95		N	Y
3	Palos Verdes Golf & Country	3301 Via Campesina	Palos Vrds Ests	CA	90274	Food Svc Contrs	87		N	N
4	Malaga Cove Library	2400 Via Campesina	Palos Vrds Ests	CA	90274	Libraries & Archives	80		N	Y
5	Plantasia	2550 Via Tejon # 3f	Palos Vrds Ests	CA	90274	Landscaping Svcs	60		N	N
6	Montemalaga Elementary School	1121 Via Nogales	Palos Vrds Ests	CA	90274	Elementary & Secondary Schools	60		N	Y
7	Palos Verdes Peninsula Unified	3801 Via La Selva	Palos Vrds Ests	CA	90274	Elementary & Secondary Schools	50		N	Y
8	Town & Country Nursery	2200 Vña Rosa	Palos Vrds Ests	CA	90274	Elementary & Secondary Schools	50		N	Y
9	Palos Verdes Intermediate Sch	2161 Via Olivera	Palos Vrds Ests	CA	90274	Elementary & Secondary Schools	45		N	Y
10	Roddan Public Relations & Advg	2516 Vña Tejon	Palos Vrds Ests	CA	90274	Public Relations Agencies	39		N	Y
11	Palos Verdes Ests Police Dept	340 Palos Verdes Dr W	Palos Vrds Ests	CA	90274	Police Protection	37		N	N
12	Lunada Bay Elementary School	520 Paseo Lunado	Palos Vrds Ests	CA	90274	Elementary & Secondary Schools	35		N	Y
13	Shorewood Realtors	16 Malaga Cove Plz	Palos Vrds Ests	CA	90274	Offices of Real Estate Agents & Brokers	30		N	Y
14	Travel Store Inc	24 Malaga Cove Plz	Palos Vrds Ests	CA	90274	Travel Agencies	30		N	Y
15	Barrington Realty Inc	1533 Via Fernandez	Palos Vrds Ests	CA	90274	Offices of Real Estate Agents & Brokers	25		N	Y
16	Malaga Bank Fsb	2514 Vña Tejon	Palos Vrds Ests	CA	90274	Commercial Banking	22		N	Y
17	Coldwell Banker	68 Malaga Cove Plz	Palos Vrds Ests	CA	90274	Offices of Real Estate Agents & Brokers	22		N	Y
18	Christian Science Church	4010 Palos Verdes Dr Nà	Palos Vrds Ests	CA	90274	Religious Organizations	20		N	Y
19	Palos Verdes Estates City Ofcs	340 Palos Verdes Dr W	Palos Vrds Ests	CA	90274	Legislative Bodies	18		N	N
20	Moore's Market's Inc	2201 Palos Verdes Dr W	Palos Vrds Ests	CA	90274	Supermarkets & Other Grocery Stores	15		N	N*
21	Call Realty Co	433 Via Corta	Palos Vrds Ests	CA	90274	Offices of Real Estate Agents & Brokers	15		N	Y
22	Chez Allez Restaurant	36 Malaga Cove Plz # 101	Palos Vrds Ests	CA	90274	Limited-Service Restaurants	15		N	N
23	Peninsula Escrow	57 Malaga Cove Plz	Palos Vrds Ests	CA	90274	Trust, Fiduciary, & Custody Activities	14		N	Y
24	Palos Verdes Tennis Club	3303 Via Campesina	Palos Vrds Ests	CA	90274	Fitness & Recreational Sports Centers	13		N	N
25	Bank of America	22 Malaga Cove Plz	Palos Vrds Ests	CA	90274	Commercial Banking	12		N	Y
26	Palos Verdes Stables	4057 Via Opatà	Palos Vrds Ests	CA	90274	Sports & Recreation Instruction	12		N	N
27	Neighborhood Church	415 Paseo Del Mar	Palos Vrds Ests	CA	90274	Religious Organizations	12		N	Y
28	Rowley International	2325 Palos Verdes Dr W # 312	Palos Vrds Ests	CA	90274	Engineering Svcs	10		N	Y
29	Malaga Cove Ranch Market	43 Malaga Cove Plz	Palos Vrds Ests	CA	90274	Supermarkets & Other Grocery Stores	9		N	Y
30	Baldwin Construction	405 Via Chico # 5	Palos Vrds Ests	CA	90274	Commercial Building Construction	8		N	N
31	American Research Products	716 Yarmouth Rd # 202	Palos Vrds Ests	CA	90274	Polish & Other Sanitation Good Mfg	8		N	N
32	Cap West Financial Inc	2554 Via Tejon	Palos Vrds Ests	CA	90274	Real Estate Credit	8		N	Y
33	Argo World Travel	716 Yarmouth Rd	Palos Vrds Ests	CA	90274	Travel Agencies	8		N	Y
34	Los Alamitos Hemodialysis Ctr	904 Via Rincon	Palos Vrds Ests	CA	90274	Offices of Physicians, Except Mental Health	8		N	Y
35	Alan Klarik Enterprises	2001 Paseo Del Sol	Palos Vrds Ests	CA	90274	All Other Misc Mfg	7		N	N
36	Cee Jay's Place for Flowers	75 Malaga Cove Plz	Palos Vrds Ests	CA	90274	Florists	7		N	N*
37	Washington Mutual	2209 Via Anacapa	Palos Vrds Ests	CA	90274	Commercial Banking	7		N	Y
38	Cochran David & Assoc	36 Malaga Cove Plz # 206	Palos Vrds Ests	CA	90274	Offices of Lawyers	7		N	Y
39	La Rive Gauche	320 Tejon Pl	Palos Vrds Ests	CA	90274	Limited-Service Restaurants	7		N	N
40	St Francis Episcopal Church	2200 Vña Rosa	Palos Vrds Ests	CA	90274	Religious Organizations	7		N	Y

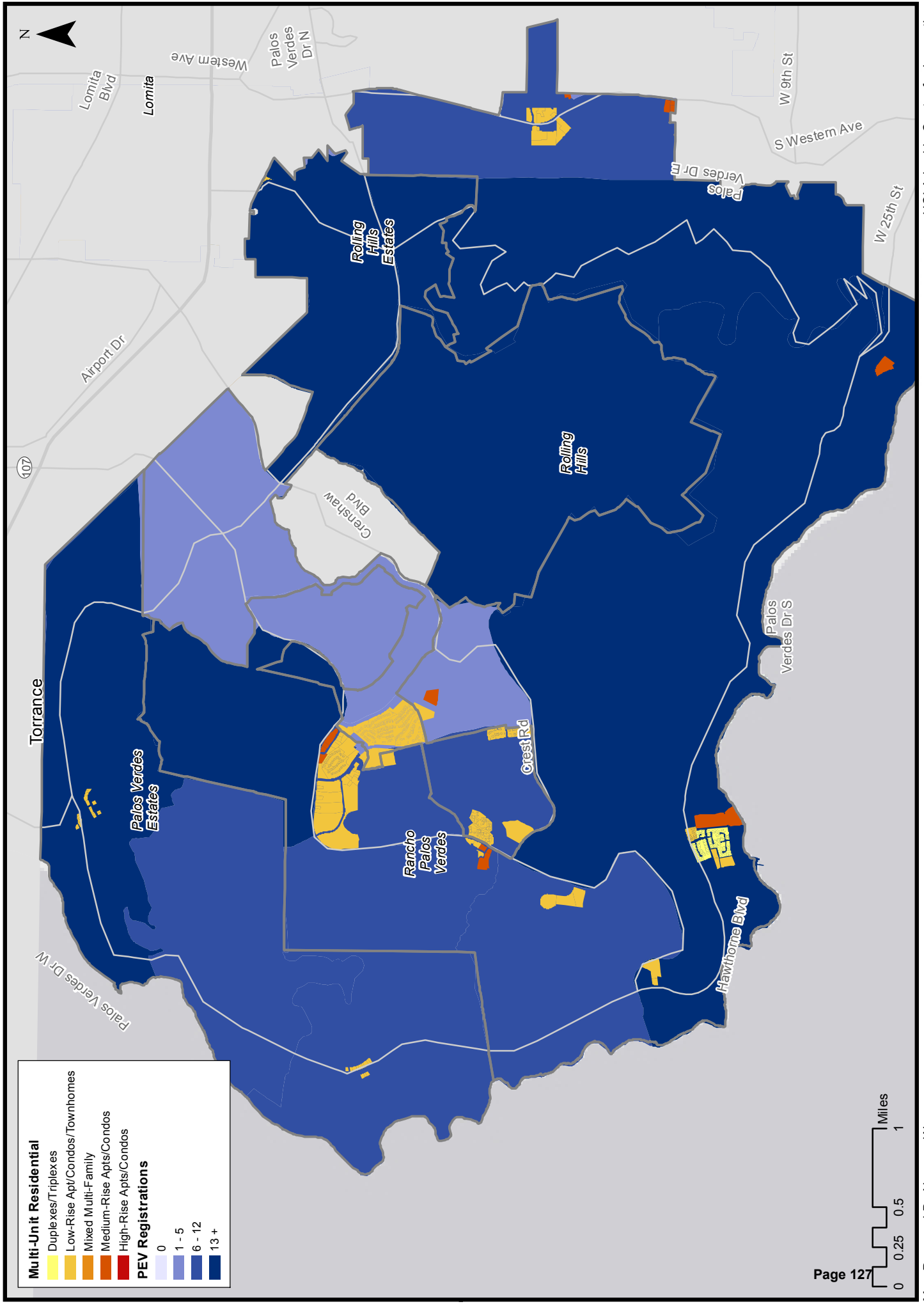
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Rancho Palos Verdes: Top Employers										
	Company	Address	City	ST	ZIP	Type	Employees	PEV Density	High Tech	White Collar
1	Terranea Resort	100 Terranea Way	Rancho Pls Vrds	CA	90275		936			
2	Marymount College Palo Verdes	30800 Palos Verdes Dr E	Rancho Pls Vrds	CA	90275	Colleges & Universities	193		N	Y
3	Dodson Middle School	28014 S Monteraina Dr	Rancho Pls Vrds	CA	90275	Elementary & Secondary Schools	130		N	Y
4	Ralphs	30019 Hawthorne Blvd	Rancho Pls Vrds	CA	90275	Supermarkets & Other Grocery Stores	125		N	N*
5	Canterbury	5801 Crestridge Rd	Rancho Pls Vrds	CA	90275	Nursing Care Facilities	107		N	N*
6	Miraleste Intermediate School	29323 Palos Verdes Dr E	Rancho Pls Vrds	CA	90275	Elementary & Secondary Schools	90		N	Y
7	Los Verdes Golf Course	7000 Los Verdes Dr # 1	Rancho Pls Vrds	CA	90275	Golf Courses & Country Clubs	80		N	N
8	Belmont Village of Rancho	5701 Crestridge Rd	Rancho Pls Vrds	CA	90275	Continuing Care Retirement Communities	72		N	N
9	Bally Total Fitness	28901 S Western Ave # 315	Rancho Pls Vrds	CA	90275	Diet & Weight Reducing Centers	65		N	N
10	Marie Callender's	29051 S Western Ave	Rancho Pls Vrds	CA	90275	Retail Bakeries	60		N	N
11	Soleado Elementary School	27800 Longhill Dr	Rancho Pls Vrds	CA	90275	Elementary & Secondary Schools	60	M	N	Y
12	Vista Grande Elementary	7032 Purple Ridge Dr	Rancho Pls Vrds	CA	90275	Elementary & Secondary Schools	60		N	Y
13	Keller Williams La Harbor Rlty	28901 S Western Ave # 101	Rancho Pls Vrds	CA	90275	Offices of Real Estate Agents & Brokers	55		N	Y
14	Excel Funding	28924 S Western Ave # 100	Rancho Pls Vrds	CA	90275	Consumer Lending	50		N	Y
15	Trump National Golf Club	1 Ocean Trl	Rancho Pls Vrds	CA	90275	Golf Courses & Country Clubs	50		N	N
16	Admiral Rlty	31250 Palos Verdes Dr W	Rancho Pls Vrds	CA	90275	Limited-Service Restaurants	50		N	N
17	Christ Lutheran Christian Schl	28850 S Western Ave	Rancho Pls Vrds	CA	90275	Elementary & Secondary Schools	47		N	Y
18	Pointe Vicente Elementary Schl	30540 Rue De La Pierre	Rancho Pls Vrds	CA	90275	Elementary & Secondary Schools	46		N	Y
19	Mira Catalina Elementary Schl	30511 Lucania Dr	Rancho Pls Vrds	CA	90275	Elementary & Secondary Schools	45		N	Y
20	Palos Verdes Iranian Children	28041 Hawthorne Blvd	Rancho Pls Vrds	CA	90275	Elementary & Secondary Schools	45		N	Y
21	Coco's Bakery Restaurant	28300 S Western Ave	Rancho Pls Vrds	CA	90275	Limited-Service Restaurants	45		N	N
22	St John Fisher Church	5448 Crest Rd	Rancho Pls Vrds	CA	90275	Religious Organizations	45		N	Y
23	IHOP Restaurant	29403 S Western Ave	Rancho Pls Vrds	CA	90275	Limited-Service Restaurants	40		N	N
24	Trader Joe's	28901 S Western Ave # 243	Rancho Pls Vrds	CA	90275	Supermarkets & Other Grocery Stores	38		N	N*
25	Congregation Ner Tamid	5721 Crestridge Rd	Rancho Pls Vrds	CA	90275	Religious Organizations	37		N	Y
26	Peninsula Montessori School	31100 Hawthorne Blvd	Rancho Pls Vrds	CA	90275	Elementary & Secondary Schools	35		N	Y
27	Ridgecrest Intermediate School	28915 Northbay Rd	Rancho Pls Vrds	CA	90275	Elementary & Secondary Schools	35		N	Y
28	Regal Terrace Cinema 6	28901 S Western Ave	Rancho Pls Vrds	CA	90275	Motion Picture Theaters, Except Drive-Ins	30		N	N
29	Wells Fargo Bank	28350 S Western Ave	Rancho Pls Vrds	CA	90275	Commercial Banking	30		N	Y
30	All Pets Veterinary Hospital	28326 S Western Ave	Rancho Pls Vrds	CA	90275	Veterinary Svcs	30		N	Y
31	S B Landscaping Inc	29975 Knoll View Dr	Rancho Pls Vrds	CA	90275	Landscaping Svcs	30		N	N
32	Re/Max Execs	28901 S Western Ave	Rancho Pls Vrds	CA	90275	Offices of Real Estate Agents & Brokers	29		N	Y
33	Re/Max Palos Verdes	5 Miraleste Plz	Rancho Pls Vrds	CA	90275	Offices of Real Estate Agents & Brokers	26		N	Y
34	Highridge Car Wash	27774 Hawthorne Blvd	Rancho Pls Vrds	CA	90275	Other Gasoline Stations	25		N	Y
35	St John Fisher School	5448 Crest Rd	Rancho Pls Vrds	CA	90275	Elementary & Secondary Schools	25		N	Y
36	Silver Spur Elementary School	5500 Ironwood St	Rancho Pls Vrds	CA	90275	Elementary & Secondary Schools	25		N	Y
37	Wayfarers Chapel-Admin Ofc	6118 Palos Verdes Dr S	Rancho Pls Vrds	CA	90275	Religious Organizations	25		N	Y
38	El Pollo Loco	28901 S Western Ave # 201	Rancho Pls Vrds	CA	90275	Limited-Service Restaurants	23		N	N
39	Carl's Jr	28619 S Western Ave	Rancho Pls Vrds	CA	90275	Limited-Service Restaurants	21		N	N
40	A Varlotta Inc	4957 Delacroix Rd	Rancho Pls Vrds	CA	90275	Paint & Wall Covering Contrs	20	M	N	N

* Reclassified by the Luskin Center

Palos Verdes Peninsula

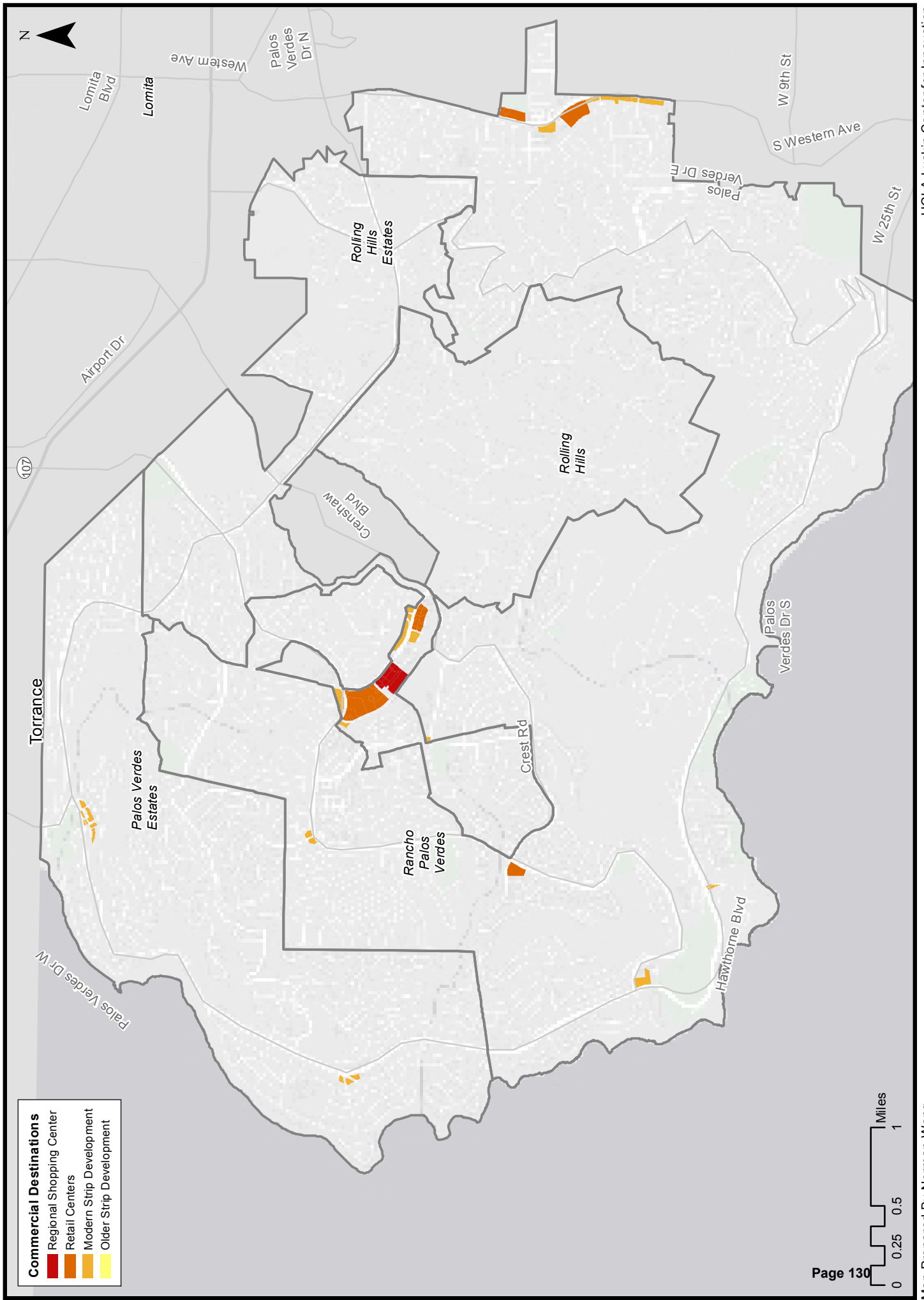
Multi-Unit Residential and PEV Registrations



Palos Verdes Estates: Top Multi-Unit Dwellings									
	Address	City	ST	ZIP	Units	Condo	Year Built	Average Value/Unit	PEV Density
1	2400 Palos Verdes Dr W	Palos Verdes Estates	CA	90274	24	N	1961	\$49,487	M
2	2525 Via Campesina	Palos Verdes Estates	CA	90274	21	Y	1971	\$650,000	
3	300 Via Corta	Palos Verdes Estates	CA	90274	18	N	1967	\$68,338	H
4	2322 Palos Verdes Dr W	Palos Verdes Estates	CA	90274	18	Y	1973	\$299,311	
5	2545 Via Campesina	Palos Verdes Estates	CA	90274	18	Y	1986	\$338,870	
6	2306 Palos Verdes Dr W	Palos Verdes Estates	CA	90274	18	Y	1981	\$702,500	
7	2433 Via Campesina	Palos Verdes Estates	CA	90274	13	N	1958	\$58,577	H
8	267 Palos Verdes Dr W	Palos Verdes Estates	CA	90274	12	N	1957	\$57,239	H
9	2571 Via Campesina	Palos Verdes Estates	CA	90274	12	Y	1964	\$211,298	
10	2132 Palos Verdes Dr W	Palos Verdes Estates	CA	90274	12	N	1961	\$51,079	M
11	2337 Palos Verdes Dr W	Palos Verdes Estates	CA	90274	12	Y	1975	\$116,581	
12	2486 Via Campesina	Palos Verdes Estates	CA	90274	11	N	1954	\$157,423	H
13	2406 Palos Verdes Dr W	Palos Verdes Estates	CA	90274	11	N	1961	\$65,056	M
14	241 Palos Verdes Dr W	Palos Verdes Estates	CA	90274	9	N	1962	\$70,679	H
15	2201 Via Carrillo	Palos Verdes Estates	CA	90274	9	Y	1979	\$438,626	
16	2357 Palos Verdes Dr W	Palos Verdes Estates	CA	90274	9	Y	1976	\$358,354	
17	2585 Via Campesina	Palos Verdes Estates	CA	90274	8	N	1958	\$265,302	H
18	2405 Via Campesina	Palos Verdes Estates	CA	90274	8	N	1955	\$71,454	H
19	2412 Palos Verdes Dr W	Palos Verdes Estates	CA	90274	8	N	1959	\$69,519	M
20	2341 Palos Verdes Dr W	Palos Verdes Estates	CA	90274	8	N	1961	\$362,500	M

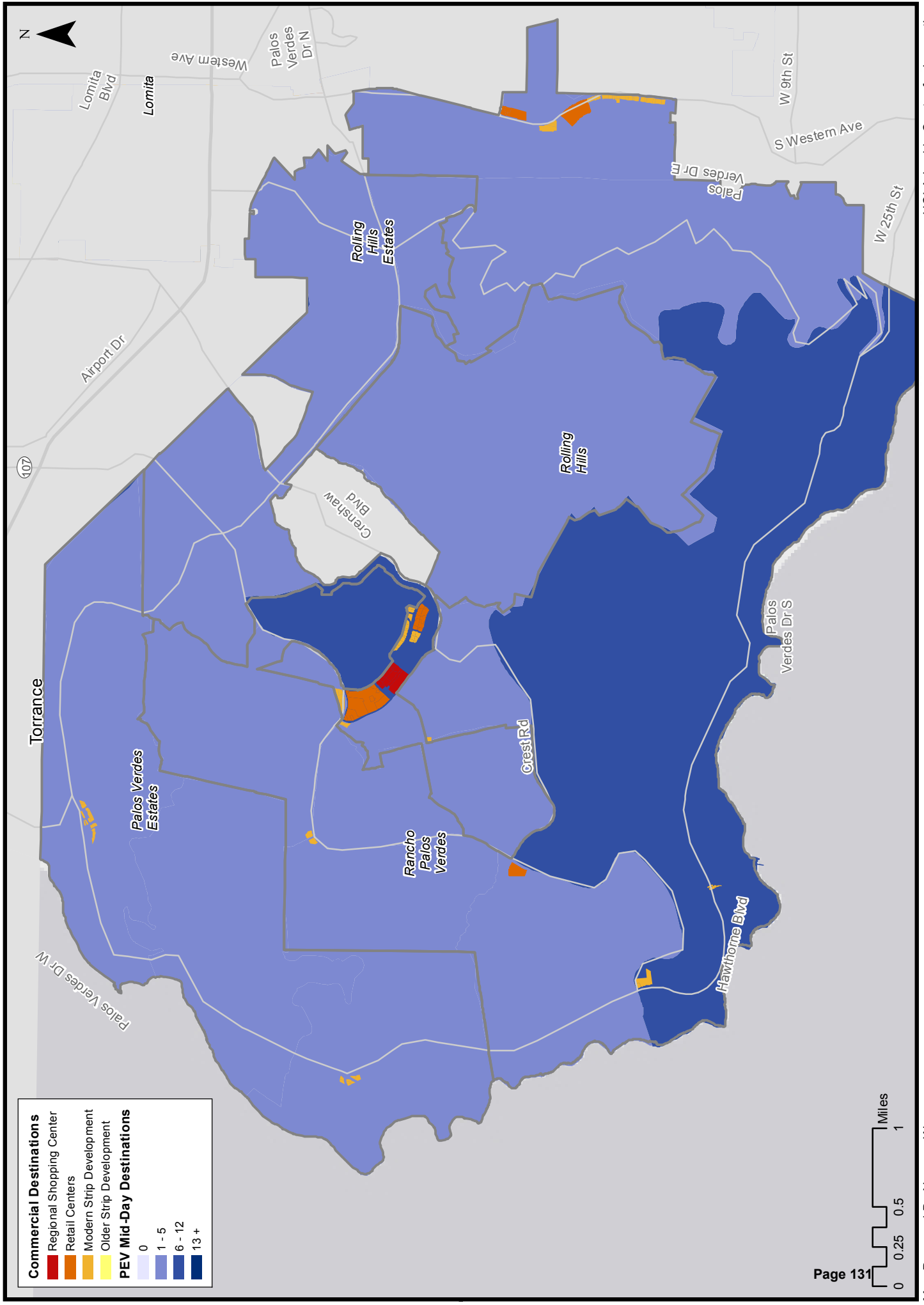
Rancho Palos Verdes: Top Multi-Unit Dwellings									
	Address	City	ST	ZIP	Units	Condo	Year Built	Average Value/Unit	PEV Density
1	32653 Seagate Dr	Rancho Palos Verdes	CA	90275	240	Y	1964	\$262,141	
2	28400 Ridgehaven Ct	Rancho Palos Verdes	CA	90275	148	Y	1977	\$319,868	
3	6728 Los Verdes Dr	Rancho Palos Verdes	CA	90275	136	N	1970	\$116,174	M
4	6910 Los Verdes Dr	Rancho Palos Verdes	CA	90275	132	N	1972	\$120,103	M
5	3200 La Rotonda Dr	Rancho Palos Verdes	CA	90275	100	Y	1974	\$340,275	
6	5937 Armaga Spring Rd	Rancho Palos Verdes	CA	90275	98	Y	1969	\$87,870	
7	6700 Los Verdes Dr	Rancho Palos Verdes	CA	90275	97	N	1969	\$146,341	M
8	27961 Ridgecove Ct N	Rancho Palos Verdes	CA	90275	94	Y	1973	\$265,301	
9	5711 Ravenspur Dr	Rancho Palos Verdes	CA	90275	88	N	1970	\$57,360	M
10	27945 Ridgebluff Ct	Rancho Palos Verdes	CA	90275	88	Y	1973	\$289,832	
11	28160 Ridgecove Ct N	Rancho Palos Verdes	CA	90275	82	Y	1974	\$663,000	
12	27937 Ridgebrook Ct	Rancho Palos Verdes	CA	90275	80	Y	1974	\$663,000	
13	28125 Peacock Ridge Dr	Rancho Palos Verdes	CA	90275	76	N	1971	\$263,510	M
14	29641 S Western Ave	Rancho Palos Verdes	CA	90275	70	Y	1965	\$494,189	
15	5762 Ravenspur Dr	Rancho Palos Verdes	CA	90275	69	N	1964	\$108,232	M
16	6600 Beachview Dr	Rancho Palos Verdes	CA	90275	57	N	1970	\$273,789	H
17	6568 Beachview Dr	Rancho Palos Verdes	CA	90275	57	N	1970	\$273,789	H
18	6507 Ocean Crest Dr	Rancho Palos Verdes	CA	90275	57	N	1973	\$237,284	M
19	28129 Peacock Ridge Dr	Rancho Palos Verdes	CA	90275	54	N	1971	\$144,623	M
20	32636 Nantasket Dr	Rancho Palos Verdes	CA	90275	53	N	1968	\$588,906	H

Palos Verdes Peninsula Commercial (Retail) Destinations



Palos Verdes Peninsula

PEV Mid-Day Destinations and Commercial (Retail) Locations



Palos Verdes Estates: Top Retailers											
	Company	Address	City	ST	ZIP	NAICS Code	Type	Annual Sales Volume (in thousands)	PEV Density		
1	Moore's Market's Inc	2201 Palos Verdes Dr W	Palos Vrds Ests	CA	90274	44511001	Supermarkets & Other Grocery Stores		\$3,705		
2	Malaga Cove Ranch Market	43 Malaga Cove Plz	Palos Vrds Ests	CA	90274	44511001	Supermarkets & Other Grocery Stores		\$2,223		
3	Imaggio	10 Malaga Cove Plz	Palos Vrds Ests	CA	90274	45399852	Store Retailers Not Specified Elsewhere		\$1,206		
4	Music House	716 Yarmouth Rd # F	Palos Vrds Ests	CA	90274	71119009	Other Performing Arts Companies		\$1,100		
5	Sky De Sign	2550 Via Tejon # D	Palos Vrds Ests	CA	90274	44211012	Furniture Stores		\$918		
6	Aircraft Investors LLC	2132 Palos Verdes Dr W	Palos Vrds Ests	CA	90274	44122905	All Other Motor Vehicle Dealers		\$868		
7	Lunada Bay Photo Graphics	2325 Palos Verdes Dr W	Palos Vrds Ests	CA	90274	81292111	Photo Finishing Laboratories, Except One-Hour		\$780		
8	Palos Verdes Tennis Club	3303 Via Campesina	Palos Vrds Ests	CA	90274	71394021	Fitness & Recreational Sports Centers		\$754		
9	Lunada Hardware	2216 Via Anacapa	Palos Vrds Ests	CA	90274	44419053	Other Building Material Dealers		\$708		
10	Cee Jay's Place for Flowers	75 Malaga Cove Plz	Palos Vrds Ests	CA	90274	45311001	Florists		\$616		
11	Teka Home	2550 Via Tejon # 1a	Palos Vrds Ests	CA	90274	44211012	Furniture Stores		\$612		
12	Chez Allez Restaurant	36 Malaga Cove Plz # 101	Palos Vrds Ests	CA	90274	72221105	Limited-Service Restaurants		\$600		
13	Michael Hamson Oceanic Art	844 Rincon Ln	Palos Vrds Ests	CA	90274	45392002	Art Dealers		\$586		
14	La Venta Inn	796 Via Del Monte	Palos Vrds Ests	CA	90274	72231001	Food Svc Contrs		\$380		
15	Promo Design Assoc	2605 Via Rivera	Palos Vrds Ests	CA	90274	44312013	Computer & Software Stores		\$343		
16	Golden Lion Liquor	2325 Palos Verdes Dr W # 202	Palos Vrds Ests	CA	90274	44531004	Beer, Wine, & Liquor Stores		\$323		
17	Lunada Bay Liquor & Deli	721 Yarmouth Rd	Palos Vrds Ests	CA	90274	44531004	Beer, Wine, & Liquor Stores		\$323		
18	La Rive Gauche	320 Tejon Pl	Palos Vrds Ests	CA	90274	72221105	Limited-Service Restaurants		\$280		
19	Raffallos Pizza	720 Yarmouth Rd	Palos Vrds Ests	CA	90274	72221105	Limited-Service Restaurants		\$200		
20	Coastal Carpet Cleaners	1712 Palos Verdes Dr W	Palos Vrds Ests	CA	90274	81232009	Drycleaning & Laundry Svcs		\$178		
21	Celebration Bridal	2325 Palos Verdes Dr W	Palos Vrds Ests	CA	90274	44812002	Women's Clothing Stores		\$158		
22	Max's Place	722 Yarmouth Rd	Palos Vrds Ests	CA	90274	44812010	Women's Clothing Stores		\$158		
23	Aqua Swimwear	29 Lunada Bay Plz	Palos Vrds Ests	CA	90274	44815039	Clothing Accessories Stores		\$155		
24	Golden Thimble	2550 Via Tejon	Palos Vrds Ests	CA	90274	44819001	Other Clothing Stores		\$133		
25	Anny Nail Salon	302 Tejon Pl	Palos Vrds Ests	CA	90274	81211302	Nail Salons		\$120		
26	Lunada Bay Barbers	713 Yarmouth Rd	Palos Vrds Ests	CA	90274	81211101	Barber Shops		\$116		
27	Dana's in the Cove	2516 Via Tejon # 112	Palos Vrds Ests	CA	90274	81211202	Beauty Salons		\$110		
28	Salon Nirvana	715 Yarmouth Rd	Palos Vrds Ests	CA	90274	81211202	Beauty Salons		\$110		
29	M C Cleaners	330 Tejon Pl	Palos Vrds Ests	CA	90274	81232002	Drycleaning & Laundry Svcs		\$60		
30	Finishing Touch	420 Malaga Ln	Palos Vrds Ests	CA	90274	81211302	Nail Salons		\$60		
31	Shear Pleasure	300 Tejon Pl	Palos Vrds Ests	CA	90274	81211202	Beauty Salons		\$55		
32	Palos Verdes Homes Assn	320 Palos Verdes Dr W	Palos Vrds Ests	CA	90274	81391002	Business Associations		\$0		
33	American Christian Trust	241 Palos Verdes Dr W	Palos Vrds Ests	CA	90274	81391002	Business Associations		\$0		
34	Christian Science Church	4010 Palos Verdes Dr N4	Palos Vrds Ests	CA	90274	81311008	Religious Organizations		\$0		
35	Neighborhood Church	415 Paseo Del Mar	Palos Vrds Ests	CA	90274	81311008	Religious Organizations		\$0		
36	St Francis Episcopal Church	2200 Vda Rosa	Palos Vrds Ests	CA	90274	81311008	Religious Organizations		\$0		
37	Palos Verdes Golf & Country	3301 Via Campesina	Palos Vrds Ests	CA	90274	72231001	Food Svc Contrs		\$0		
38	Pangea Research Corp	941 Via Nogales	Palos Vrds Ests	CA	90274	81341021	Civil & Social Organizations		\$0		

Rancho Palos Verdes: Top Retailers									
	Company	Address	City	ST	ZIP	NAICS Code	Type	Annual Sales Volume (in thousands)	PEV Density
1	Ralphs	30019 Hawthorne Blvd	Rancho Pls Vrds	CA	90275	44511001	Supermarkets & Other Grocery Stores	\$30,875	
2	Trader Joe's	28901 S Western Ave # 243	Rancho Pls Vrds	CA	90275	44511003	Supermarkets & Other Grocery Stores	\$9,386	
3	Los Verdes Golf Course	7000 Los Verdes Dr # 1	Rancho Pls Vrds	CA	90275	71391002	Golf Courses & Country Clubs	\$6,720	
4	Trump National Golf Club	1 Ocean Trl	Rancho Pls Vrds	CA	90275	71391002	Golf Courses & Country Clubs	\$4,200	M
5	Granvia Automotive Svc Ctr	28103 Hawthorne Blvd	Rancho Pls Vrds	CA	90275	44131003	Automotive Parts & Accessories Stores	\$4,176	
6	Kragen Auto Parts	29227 S Western Ave	Rancho Pls Vrds	CA	90275	44131011	Automotive Parts & Accessories Stores	\$3,120	
7	Installation Co	27755 Longhill Dr	Rancho Pls Vrds	CA	90275	44311221	Radio, TV & Other Electronics Stores	\$2,907	M
8	LA Fitness	28901 S Western Ave # 315	Rancho Pls Vrds	CA	90275	81219101	Diet & Weight Reducing Centers	\$2,535	
9	Oceanaire	30175 Avenida Tranquila	Rancho Pls Vrds	CA	90275	81219103	Diet & Weight Reducing Centers	\$2,420	
10	Green Hills Mortuary	27501 S Western Ave	Rancho Pls Vrds	CA	90275	81222002	Cemeteries & Crematories	\$2,142	
11	Admiral Risty	31250 Palos Verdes Dr W	Rancho Pls Vrds	CA	90275	72221105	Limited-Service Restaurants	\$2,000	M
12	Good Night Mattress & Bedroom	28901 S Western Ave # 139	Rancho Pls Vrds	CA	90275	44211006	Furniture Stores	\$1,836	
13	Coco's Bakery Restaurant	28300 S Western Ave	Rancho Pls Vrds	CA	90275	72221105	Limited-Service Restaurants	\$1,800	
14	IHOP Restaurant	29403 S Western Ave	Rancho Pls Vrds	CA	90275	72221105	Limited-Service Restaurants	\$1,600	
15	Planet Kids	29019 S Western Ave	Rancho Pls Vrds	CA	90275	44811006	Men's Clothing Stores	\$1,544	
16	Dick's Hallmark	28380 S Western Ave	Rancho Pls Vrds	CA	90275	45322013	Gift, Novelty, & Souvenir Stores	\$1,416	
17	A & H Motors Used Cars	28924 S Western Ave # 104	Rancho Pls Vrds	CA	90275	44112005	Used Car Dealers	\$1,342	
18	Hillside Liquors & Deli Co	29105 S Western Ave	Rancho Pls Vrds	CA	90275	44531004	Beer, Wine, & Liquor Stores	\$1,292	
19	Ralphs Pharmacy	30019 Hawthorne Blvd	Rancho Pls Vrds	CA	90275	44611009	Pharmacies & Drug Stores	\$1,281	
20	Furniture 2 Buy	6542 Ocean Crest Dr # B108	Rancho Pls Vrds	CA	90275	45411302	Mail-Order Houses	\$1,221	
21	7-Eleven	28041 Hawthorne Blvd # 101	Rancho Pls Vrds	CA	90275	44512001	Convenience Stores	\$1,120	
22	Centinela Pet Supplies	28901 S Western Ave	Rancho Pls Vrds	CA	90275	45391004	Pet & Pet Supplies Stores	\$1,099	
23	R F & Assoc	7230 Avenida Altisima	Rancho Pls Vrds	CA	90275	71132002	Promoters Without Facilities	\$1,080	
24	Papa John's Pizza	29505 S Western Ave	Rancho Pls Vrds	CA	90275	72221105	Limited-Service Restaurants	\$1,008	
25	El Pollo Loco	28901 S Western Ave # 201	Rancho Pls Vrds	CA	90275	72221105	Limited-Service Restaurants	\$920	
26	Coastline Tire	29701 S Western Ave	Rancho Pls Vrds	CA	90275	44132001	Tire Dealers	\$884	
27	Carl's Jr	28619 S Western Ave	Rancho Pls Vrds	CA	90275	72221105	Limited-Service Restaurants	\$840	
28	Advanced Funeral Planning	28924 S Western Ave # 200	Rancho Pls Vrds	CA	90275	81221004	Funeral Homes & Funeral Svcs	\$833	
29	Peninsula Racquet Club	30850 Hawthorne Blvd	Rancho Pls Vrds	CA	90275	71394021	Fitness & Recreational Sports Centers	\$812	M
30	Picture Frame Warehouse	28901 S Western Ave # 213	Rancho Pls Vrds	CA	90275	45399852	Store Retailers Not Specified Elsewhere	\$804	
31	Baja Fresh Mexican Grill	28368 S Western Ave	Rancho Pls Vrds	CA	90275	72221105	Limited-Service Restaurants	\$800	
32	Domino's Pizza	31240 Palos Verdes Dr W	Rancho Pls Vrds	CA	90275	72221105	Limited-Service Restaurants	\$784	M
33	Taxco Restaurant	29050 S Western Ave # 154	Rancho Pls Vrds	CA	90275	72221105	Limited-Service Restaurants	\$720	
34	Diamond Factory	28370 S Western Ave	Rancho Pls Vrds	CA	90275	44831013	Jewelry Stores	\$714	
35	Hesse Park	30940 Hawthorne Blvd	Rancho Pls Vrds	CA	90275	71219004	Nature Parks & Other Similar Institutions	\$696	
36	Shorecliff Entertainment	4325 Miraleste Dr	Rancho Pls Vrds	CA	90275	71119007	Other Performing Arts Companies	\$660	
37	Valvoline Instant Oil Change	29519 S Western Ave	Rancho Pls Vrds	CA	90275	81111104	General Automotive Repair	\$658	
38	Miraleste Liquor & Deli	29 Miraleste Plz	Rancho Pls Vrds	CA	90275	44531004	Beer, Wine, & Liquor Stores	\$646	
39	Starbucks	31110 Hawthorne Blvd	Rancho Pls Vrds	CA	90275	72221305	Snack & Nonalcoholic Beverage Bars	\$640	M
40	Itochu Plastics Inc	5841 Crest Rd	Rancho Pls Vrds	CA	90275	45399856	Store Retailers Not Specified Elsewhere	\$603	M

Gas stations

1	Highridge Car Wash	27774 Hawthorne Blvd	Rancho Pls Vrds	CA	90275	44719005	Other Gasoline Stations	\$11,600	
2	Chevron	29421 S Western Ave	Rancho Pls Vrds	CA	90275	44719005	Other Gasoline Stations	\$3,248	

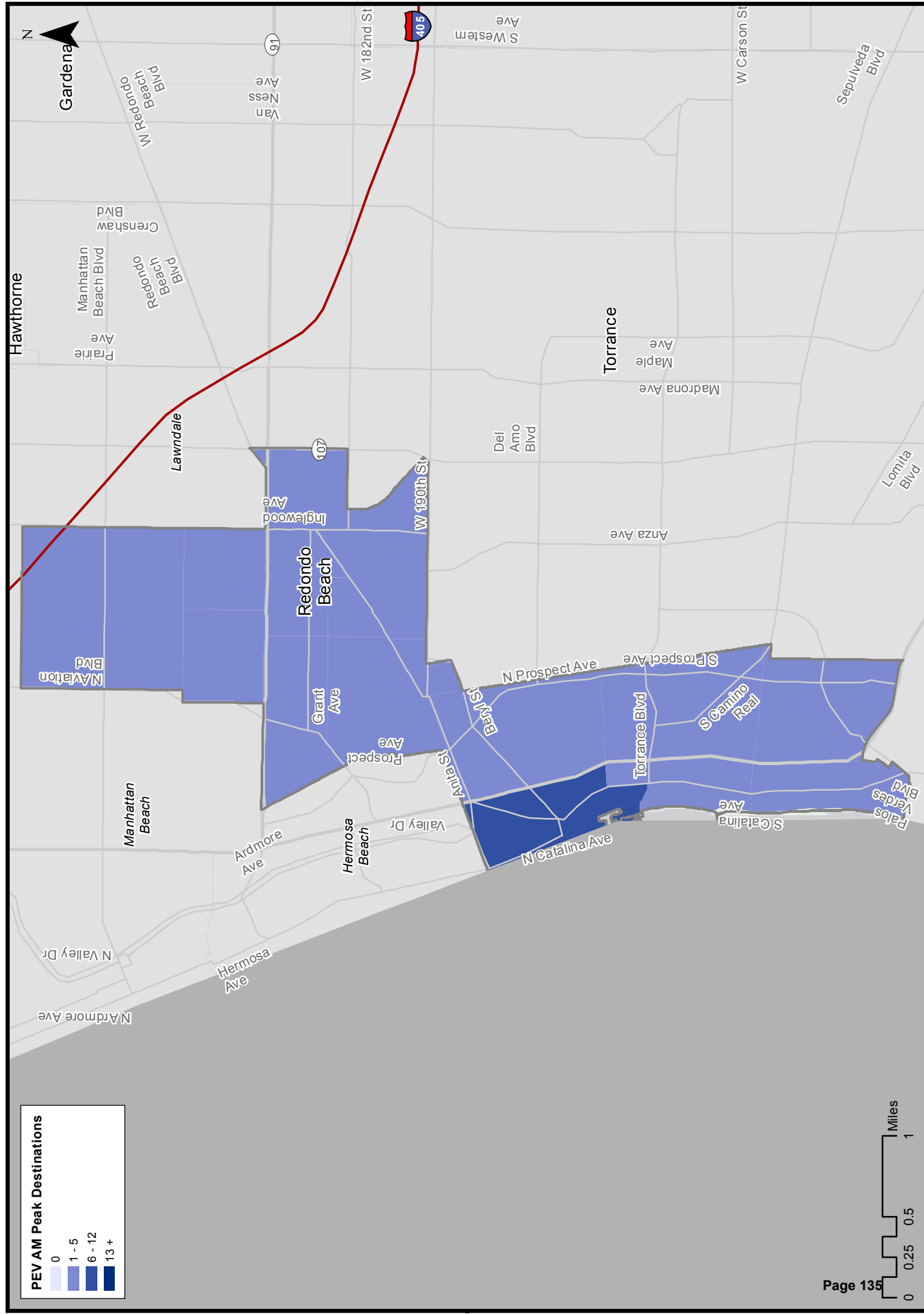
Unranked but significant

1	Trader Joe's	31176 Hawthorne Blvd	Rancho Pls Vrds	CA	90275				M
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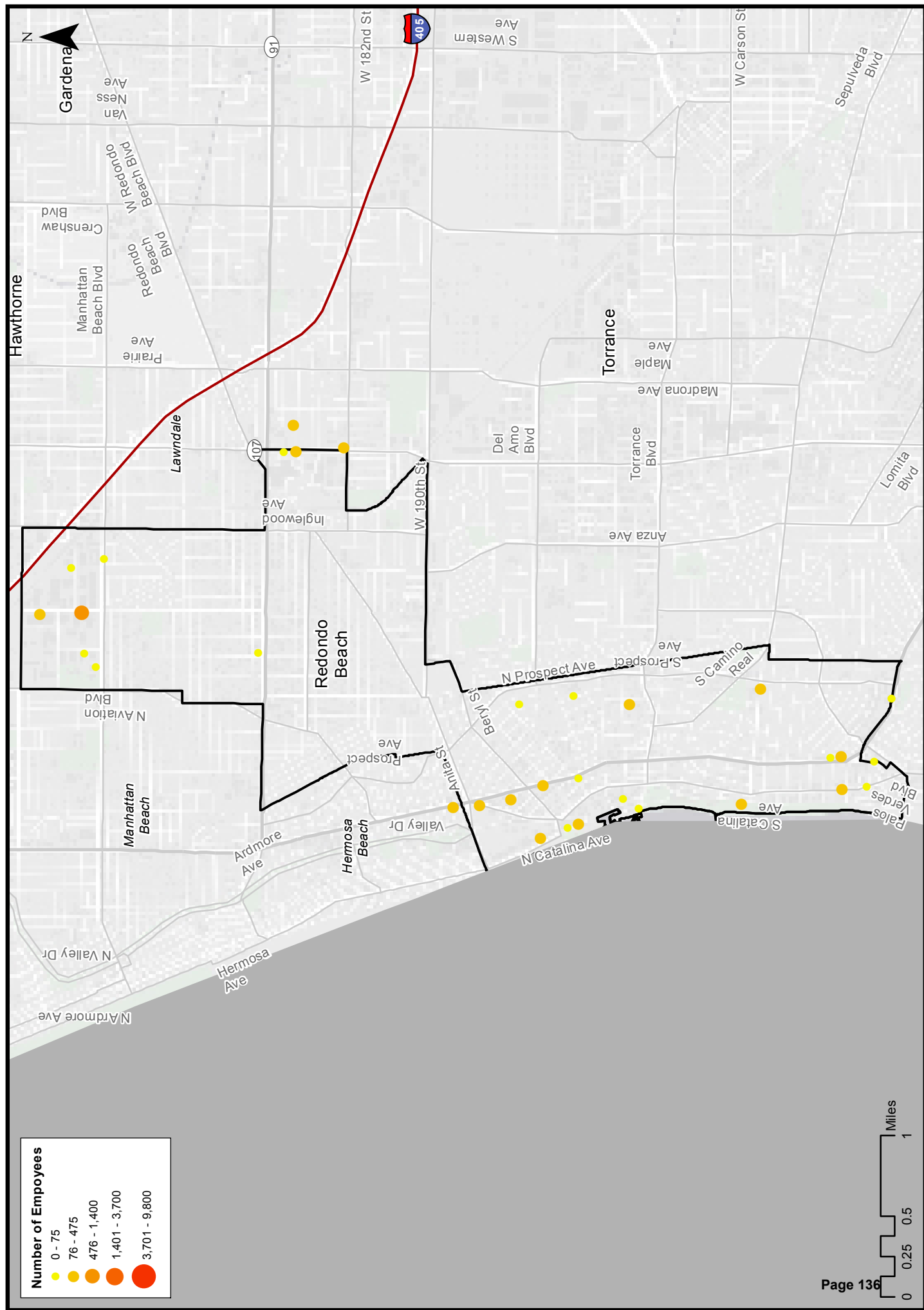
UCLA Luskin Center for Innovation
UCLA Lewis Center for Regional Policy Studies



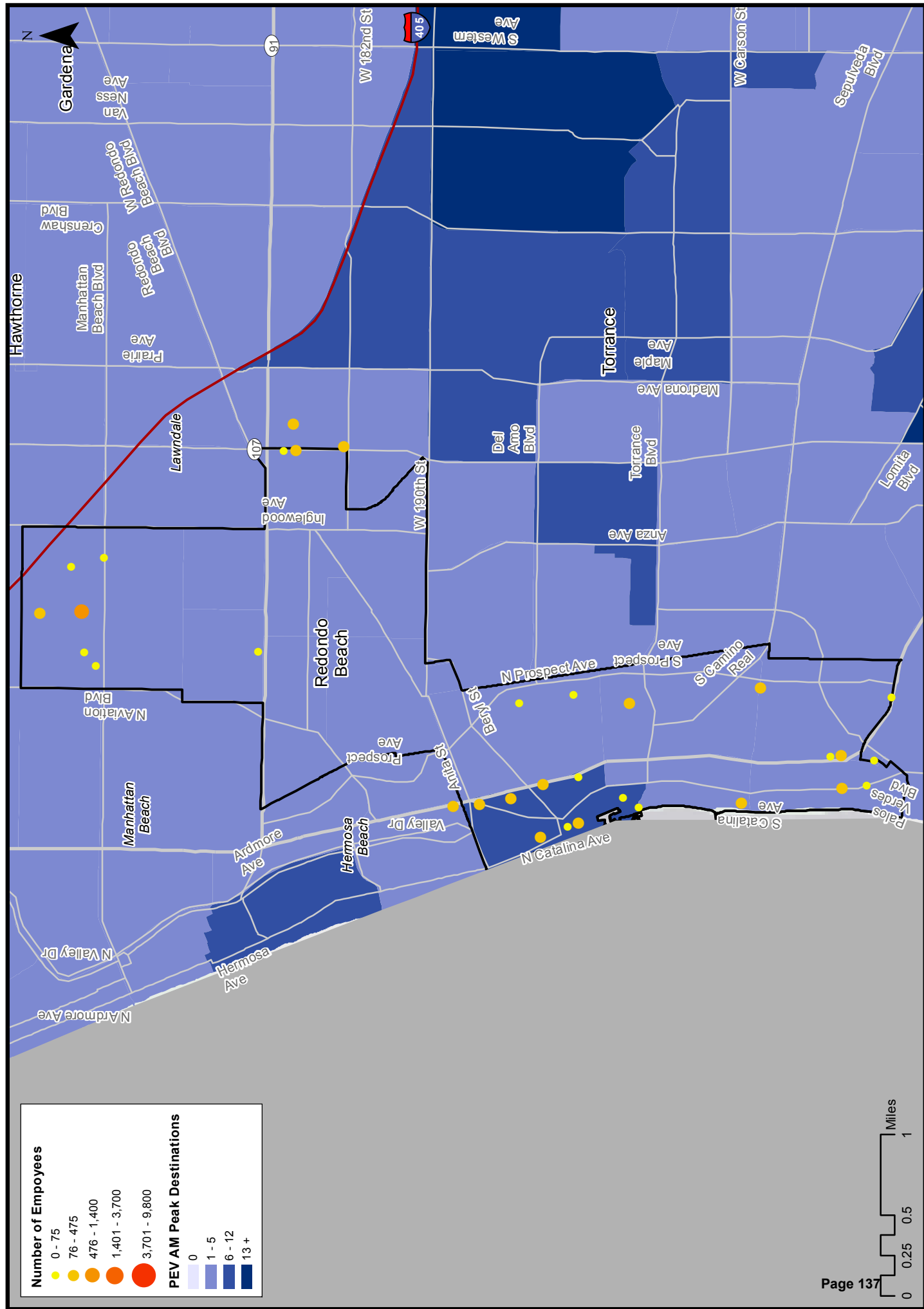
Redondo Beach: Plug-in Electric Vehicle Morning Peak Destinations



Redondo Beach: Top Workplaces by Number of Employees



Redondo Beach: PEV Morning Peak Destinations and Top Workplaces

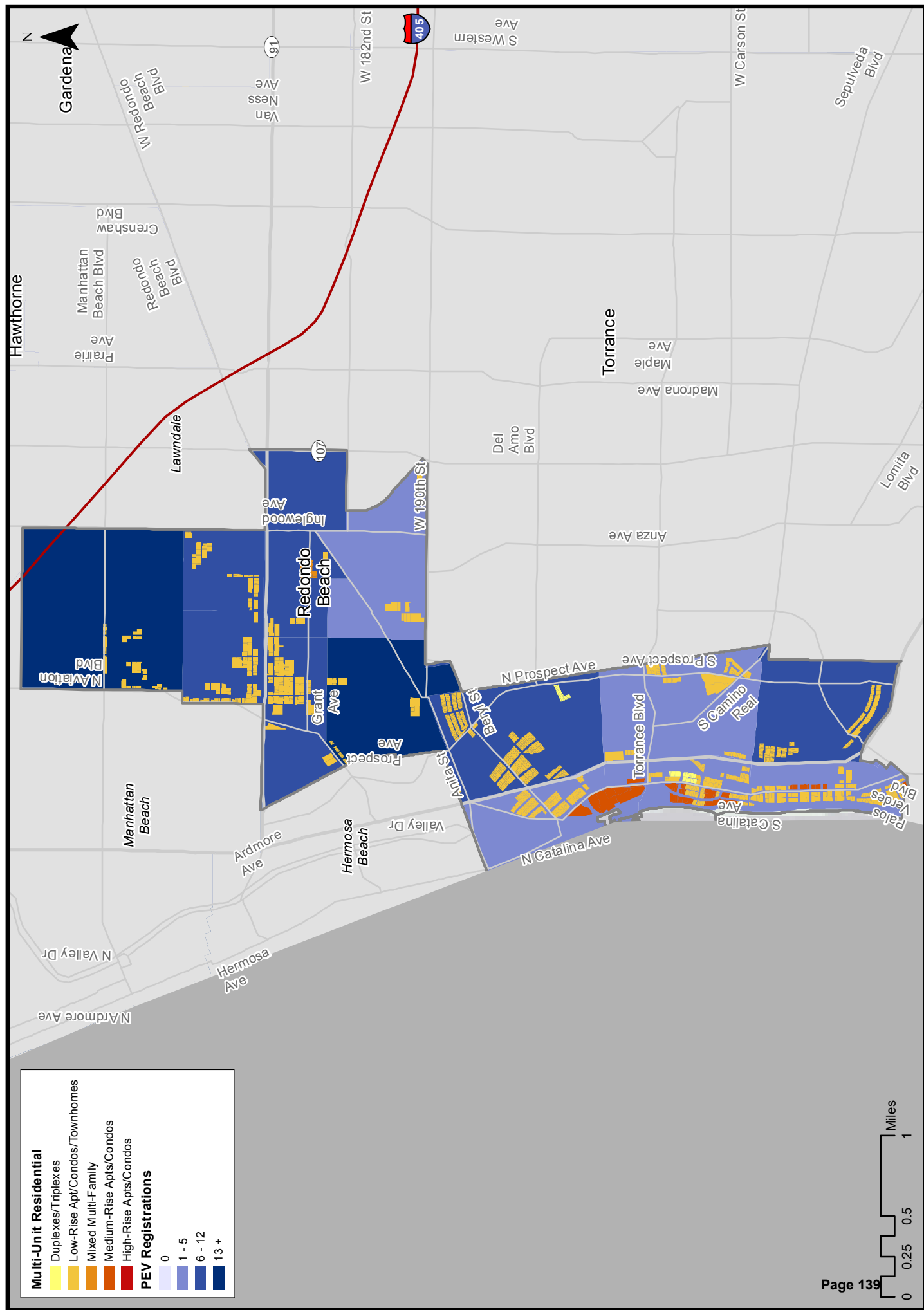


Redondo Beach: Top Employers									
Company	Address	City	ST	ZIP	Type	Employees	PEV Density	High Tech	White Collar
1 Northrop Grumman Space Technology	1 Space Park	Redondo Beach	CA	90278	Other Communications Equip Mfg	7,567		Y	Y
2 Redondo Beach City	415 Diamond St	Redondo Beach	CA	90277	Legislative Bodies	695	M	N	N
3 DHL Global Forwarding	4000 Redondo Beach Ave	Redondo Beach	CA	90278	Inland Water Freight Transportation	317		N	N
4 Nordstrom	1835 Hawthorne Ave	Redondo Beach	CA		Department Stores, Except Discount	313		N	N*
5 South Bay Adult School	600 Diamond St	Redondo Beach	CA	90277	Elementary & Secondary Schools	200		N	Y
6 Crowne Plaza-Redondo Beach	300 N Harbor Dr	Redondo Beach	CA	90277	Food Svc Contrs	200	M	N	N
7 Thomas Romero Investigations	120 Fishermans Wharf	Redondo Beach	CA	90277	Investigation Svcs	157		N	Y
8 Redondo High School	631 Vincent Park	Redondo Beach	CA	90277	Elementary & Secondary Schools	150		N	Y
9 Albertsons	1516 S Pacific Coast Hwy	Redondo Beach	CA	90277	Supermarkets & Other Grocery Stores	120		N	N*
10 Ralphs	1413 Hawthorne Blvd	Redondo Beach	CA	90278	Supermarkets & Other Grocery Stores	110		N	N*
11 Mervyns	1799 Hawthorne Blvd	Redondo Beach	CA	90278	Department Stores, Except Discount	105		N	N*
12 Redondo Beach Public Works	531 N Gertruda Ave	Redondo Beach	CA	90277	Highway, Street, & Bridge Construction	104		N	N
13 Whole Foods Market	405 N Pacific Coast Hwy	Redondo Beach	CA	90277	Supermarkets & Other Grocery Stores	103	M	N	Y
14 California Pizza Kitchen	1815 Hawthorne Blvd	Redondo Beach	CA	90278	Limited-Service Restaurants	100		N	N
15 Chart House Restaurant	231 Yacht Club Way	Redondo Beach	CA	90277	Limited-Service Restaurants	100	M	N	N
16 Kincaid's Fish Chop & Steak	500 Fishermans Wharf	Redondo Beach	CA	90277	Limited-Service Restaurants	100		N	N
17 Samba Brazilian Steak House	207 N Harbor Dr	Redondo Beach	CA	90277	Limited-Service Restaurants	100	M	N	N
18 Chez Melange	1716 S Pacific Coast Hwy	Redondo Beach	CA	90277	Limited-Service Restaurants	87		N	N
19 Abercrombie & Fitch	1815 Hawthorne Blvd # 168	Redondo Beach	CA	90278	Men's Clothing Stores	80		N	N*
20 Barnes & Noble Booksellers	1815 Hawthorne Blvd # 332	Redondo Beach	CA	90278	Book Stores	80		N	N*
21 Alta Vista Elementary School	815 Knob Hill Ave	Redondo Beach	CA	90277	Elementary & Secondary Schools	80		N	Y
22 K & P Janitorial Svc	1874 S Pacific Coast Hwy # 707	Redondo Beach	CA	90277	Other Building Exterior Contrs	75		N	N
23 MAP Cargo Intl	2551 Santa Fe Ave	Redondo Beach	CA	90278	Industrial Supplies Merchant Whols	75		N	Y
24 Hollywood Riviera Car Wash	1500 S Pacific Coast Hwy	Redondo Beach	CA	90277	Car Washes	75		N	N
25 Spectrum Athletic Club	819 N Harbor Dr	Redondo Beach	CA	90277	Diet & Weight Reducing Centers	70	M	N	Y
26 Parras Middle School	200 N Lucia Ave	Redondo Beach	CA	90277	Elementary & Secondary Schools	67		N	Y
27 Advanced Electronics	2601 Manhattan Beach Blvd	Redondo Beach	CA	90278	Other Electronic Parts Merchant Whols	65		N	Y
28 Launching Pad	3707 Doolittle Dr	Redondo Beach	CA	90278	Child Day Care Svcs	65		N	Y
29 Ruby's Diner	245 N Harbor Dr	Redondo Beach	CA	90277	Limited-Service Restaurants	65	M	N	N
30 Quantimetrix Corp	2005 Manhattan Beach Blvd	Redondo Beach	CA	90278	Surgical & Medical Instrument Mfg	60		N	N
31 Albertsons	2115 Artesia Blvd	Redondo Beach	CA	90278	Supermarkets & Other Grocery Stores	60		N	N*
32 Trader Joe's	1751 S Elena Ave	Redondo Beach	CA	90277	Supermarkets & Other Grocery Stores	60		N	N*
33 El Torito Mexican Grill	100 Fishermans Wharf	Redondo Beach	CA	90277	Limited-Service Restaurants	55	M	N	N
34 Albertsons	615 N Pacific Coast Hwy	Redondo Beach	CA	90277	Supermarkets & Other Grocery Stores	54		N	N*
35 Hennessey's Tavern	1712 S Catalina Ave	Redondo Beach	CA	90277	Drinking Places, Alcoholic Beverages	52		N	N
36 Victoria's Secret	1815 Hawthorne Blvd # 128	Redondo Beach	CA	90278	Other Clothing Stores	51		N	N
37 Racer's Shop Inc	630 Mary Ann Dr	Redondo Beach	CA	90278	All Other Automotive Repair & Maintenance	50		N	N
38 Redondo Fun Factory	123 Internatl Boardwalk	Redondo Beach	CA	90277	Amusement & Theme Parks	50	M	N	N
39 Gold's Gym	200 N Harbor Dr	Redondo Beach	CA	90277	Diet & Weight Reducing Centers	50	M	N	N
40 Birney Elementary School	1600 Green Ln	Redondo Beach	CA	90278	Elementary & Secondary Schools	50		N	Y

INFOUSA Over 250

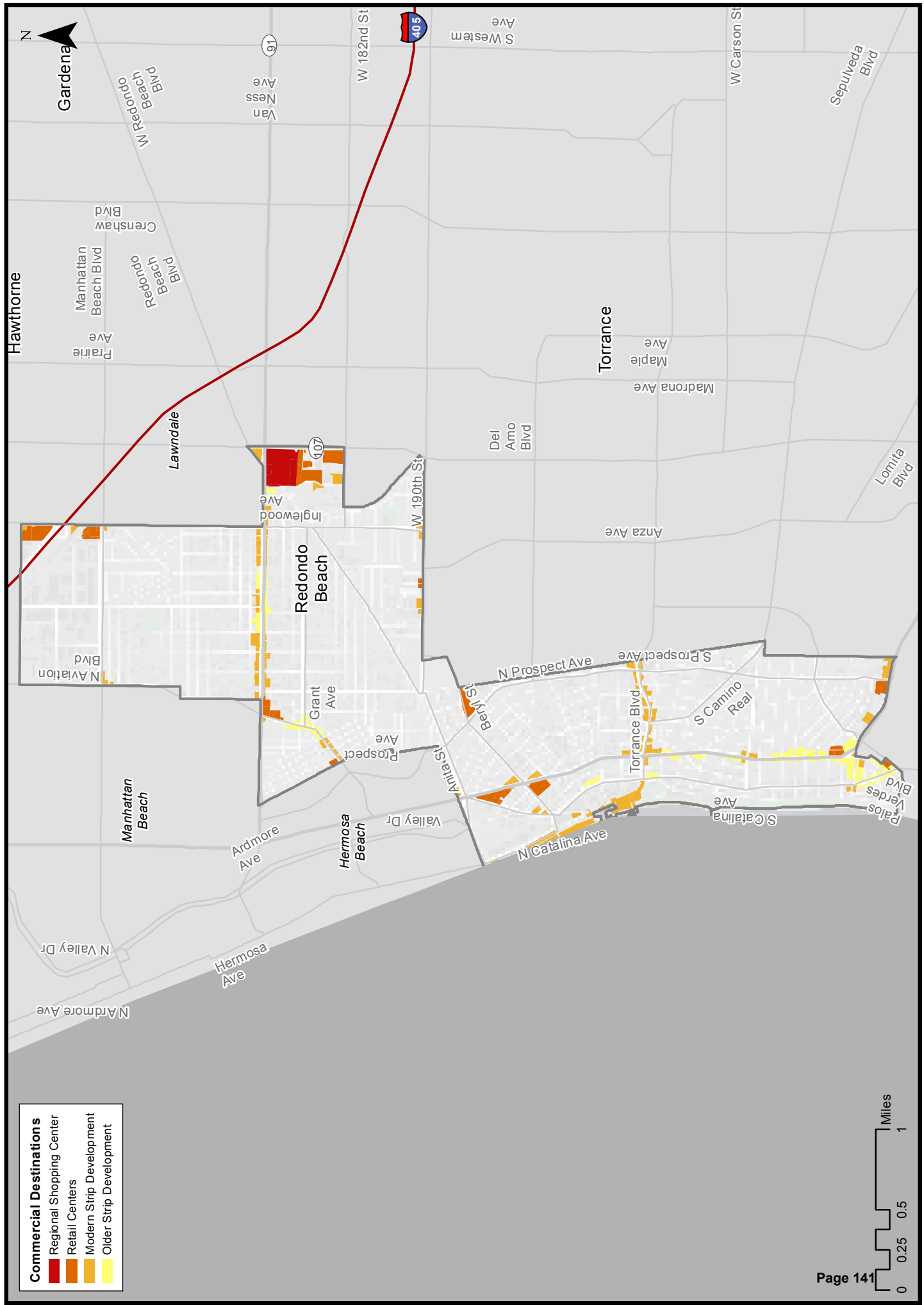
1 Web Service Co	3690 Redondo Beach Ave	Redondo Beach	CA	90278	Commercial Laundry & Drycleaning Machinery	1193		N	N
2 Cheesecake Factory	605 N Harbor Dr	Redondo Beach	CA	90277	Limited-Service Restaurants	300	M	N	N
3 US Post Office	1201 N Catalina Ave	Redondo Beach	CA	90277	Postal Svc	260	M	N	N

Redondo Beach: Multi-Unit Residential and PEV Registrations



Redondo Beach: Top Multi-Unit Dwellings									
	Address	City	ST	ZIP	Units	Condo	Year Built	Average Value/Unit	PEV Density
1	610 The Village	Redondo Beach	CA	90277	323	Y	1974	\$354,776	
2	150 The Village	Redondo Beach	CA	90277	171	Y	1980	\$699,249	
3	300 The Village	Redondo Beach	CA	90277	140	N	1972	\$118,033	
4	830 Camino Real	Redondo Beach	CA	90277	130	Y	1970	\$301,413	
5	906 Camino Real	Redondo Beach	CA	90277	128	Y	1970	\$382,500	
6	615 S Prospect Ave	Redondo Beach	CA	90277	127	Y	1970	\$500,431	
7	210 The Village	Redondo Beach	CA	90277	119	Y	1978	\$550,954	
8	501 Esplanade	Redondo Beach	CA	90277	117	N	1969	\$49,148	
9	1302 Esplanade	Redondo Beach	CA	90277	112	N	1971	\$106,954	
10	2929 190th St	Redondo Beach	CA	90278	107	N	1971	\$75,904	
11	616 Esplanade	Redondo Beach	CA	90277	105	N	1971	\$248,085	
12	1800 S Pacific Coast Hwy	Redondo Beach	CA	90277	98	Y	2000	\$754,289	
13	422 S Catalina Ave	Redondo Beach	CA	90277	94	N	1971	\$96,210	
14	615 Esplanade	Redondo Beach	CA	90277	94	Y	1971	\$202,537	
15	531 Esplanade	Redondo Beach	CA	90277	80	Y	1974	\$403,257	
16	512 Avenue G	Redondo Beach	CA	90277	78	N	1964	\$114,533	M
17	625 Esplanade	Redondo Beach	CA	90277	71	Y	1974	\$456,377	
18	916 Esplanade	Redondo Beach	CA	90277	68	N	1973	\$41,175	
19	230 S Catalina Ave	Redondo Beach	CA	90277	64	Y	1974	\$645,047	
20	565 Esplanade	Redondo Beach	CA	90277	64	Y	1971	\$59,127	

Redondo Beach: Commercial (Retail) Destinations



Commercial Destinations

- Regional Shopping Center
- Retail Centers
- Modern Strip Development
- Older Strip Development

PEV Mid-Day Destinations

- 0
- 1 - 5
- 6 - 12
- 13 +

Map of Los Angeles County showing commercial destinations and PEV mid-day destinations. The map includes a legend for commercial destinations (Regional Shopping Center, Retail Centers, Modern Strip Development, Older Strip Development) and PEV mid-day destinations (0, 1-5, 6-12, 13+). The map shows various cities including Gardena, Hawthorne, Lawndale, Redondo Beach, Manhattan Beach, Hermosa Beach, Torrance, and Palos Verdes. Major roads like I-405, I-107, and I-110 are shown. A scale bar indicates distances up to 1 mile.

Redondo Beach: Top Retailers										Annual Sales Volume (in thousands)		PEV Density
	Company	Address	City	ST	ZIP	NAICS Code	Type					
1	Nordstrom	1835 Hawthorne Blvd	Redondo Beach	CA	90278	45211101	Department Stores, Except Discount			\$56,700		H
2	Land Rover South Bay	900 N Pacific Coast Hwy	Redondo Beach	CA	90277	44111001	New Car Dealers			\$30,065		M
3	Albertsons	1516 S Pacific Coast Hwy	Redondo Beach	CA	90277	44511003	Supermarkets & Other Grocery Stores			\$29,640		M
4	Ralphs	1413 Hawthorne Blvd	Redondo Beach	CA	90278	44511003	Supermarkets & Other Grocery Stores			\$27,170		H
5	Whole Foods Market	405 N Pacific Coast Hwy	Redondo Beach	CA	90277	44511003	Supermarkets & Other Grocery Stores			\$25,441		H
6	Mervyn's	1799 Hawthorne Blvd	Redondo Beach	CA	90278	45211101	Department Stores, Except Discount			\$17,010		H
7	Abercrombie & Fitch	1815 Hawthorne Blvd # 168	Redondo Beach	CA	90278	44811006	Men's Clothing Stores			\$14,880		M
8	Albertsons	2115 Artesia Blvd	Redondo Beach	CA	90278	44511003	Supermarkets & Other Grocery Stores			\$14,820		
9	Trader Joe's	1751 S Elena Ave	Redondo Beach	CA	90277	44511003	Supermarkets & Other Grocery Stores			\$14,820		M
10	Albertsons	615 N Pacific Coast Hwy	Redondo Beach	CA	90277	44511003	Supermarkets & Other Grocery Stores			\$13,338		M
11	Cheesecake Factory	605 N Harbor Dr	Redondo Beach	CA	90277	72221105	Limited-Service Restaurants			\$12,000		M
12	Barnes & Noble Booksellers	1815 Hawthorne Blvd # 332	Redondo Beach	CA	90278	45121105	Book Stores			\$10,640		H
13	Crowne Plaza-Redondo Beach	300 N Harbor Dr	Redondo Beach	CA	90277	72231001	Food Svc Contrs			\$9,800		M
14	Supreme Paint Decorating Ctr	1002 S Pacific Coast Hwy	Redondo Beach	CA	90277	44411002	Home Centers			\$8,730		M
15	Gap	1815 Hawthorne Blvd # 170	Redondo Beach	CA	90278	44811010	Women's Clothing Stores			\$7,440		H
16	Racer's Shop Inc	630 Mary Ann Dr	Redondo Beach	CA	90278	81119805	All Other Automotive Repair & Maintenance			\$7,050		
17	Cellular Accessories for Less	2625 Manhattan Beach Blvd #110	Redondo Beach	CA	90278	44311204	Radio, TV & Other Electronics Stores			\$6,762		
18	Victoria's Secret	1815 Hawthorne Blvd # 128	Redondo Beach	CA	90278	44819019	Other Clothing Stores			\$6,732		H
19	Banana Republic	1815 Hawthorne Blvd # 178	Redondo Beach	CA	90278	44814001	Family Clothing Stores			\$6,510		M
20	Clark Adams Co	2411 Artesia Blvd	Redondo Beach	CA	90278	44419069	Other Building Material Dealers			\$6,450		H
21	Pep Boys	1800 Artesia Blvd	Redondo Beach	CA	90278	44131011	Automotive Parts & Accessories Stores			\$6,435		M
22	Rite Aid	1720 Aviation Blvd	Redondo Beach	CA	90278	44619106	Food, Health, Supplement Stores			\$6,039		M
23	California Pizza Kitchen	1815 Hawthorne Blvd	Redondo Beach	CA	90278	72221105	Limited-Service Restaurants			\$5,600		H
24	Tilly's	1815 Hawthorne Blvd	Redondo Beach	CA	90278	44814001	Family Clothing Stores			\$5,580		M
25	Capt Kidd's Fish Market	209 N Harbor Dr	Redondo Beach	CA	90277	44522004	Fish & Seafood Markets			\$5,544		M
26	Longs Drugs	1880 S Pacific Coast Hwy	Redondo Beach	CA	90277	44611009	Pharmacies & Drug Stores			\$5,490		
27	Expo Design Ctr	1519 Hawthorne Blvd	Redondo Beach	CA	90278	44411002	Home Centers			\$5,250		H
28	Spectrum Athletic Club	819 N Harbor Dr	Redondo Beach	CA	90277	81219101	Diet & Weight Reducing Centers			\$5,040		M
29	Gap Kids	1815 Hawthorne Blvd # 126	Redondo Beach	CA	90278	44813003	Children's & Infants' Clothing Stores			\$4,650		M
30	Children's Hospital Thrift Shp	1418 Aviation Blvd	Redondo Beach	CA	90278	45331041	Used Merchandise Stores			\$4,545		M
31	Jamba Juice	1755 S Elena Ave	Redondo Beach	CA	90277	44523005	Fruit & Vegetable Markets			\$4,440		
32	4 Wheel Parts Performance Ctr	2500 Marine Ave	Redondo Beach	CA	90278	44132001	Tire Dealers			\$4,420		
33	Hollywood Riviera Car Wash	1500 S Pacific Coast Hwy	Redondo Beach	CA	90277	81119208	Car Washes			\$4,275		M
34	Rite Aid	401 N Pacific Coast Hwy	Redondo Beach	CA	90277	44619106	Food, Health, Supplement Stores			\$4,209		M
35	Redondo Fun Factory	123 Internatl Boardwalk	Redondo Beach	CA	90277	71311001	Amusement & Theme Parks			\$4,200		M
36	Platinum Auto Haus	610 N Pacific Coast Hwy	Redondo Beach	CA	90277	44112005	Used Car Dealers			\$4,026		M
37	Chart House Restaurant	231 Yacht Club Way	Redondo Beach	CA	90277	72221105	Limited-Service Restaurants			\$4,000		M
38	Kincaid's Fish Chop & Steak	500 Fishermans Wharf	Redondo Beach	CA	90277	72221105	Limited-Service Restaurants			\$4,000		
39	Samba Brazilian Steak House	207 N Harbor Dr	Redondo Beach	CA	90277	72221105	Limited-Service Restaurants			\$4,000		M
40	Vons	1212 Beryl St	Redondo Beach	CA	90277	44511003	Supermarkets & Other Grocery Stores			\$3,952		M

Gas stations

1	Redondo Shell	1200 Beryl St	Redondo Beach	CA	90277	44719005	Other Gasoline Stations			\$5,568		M
2	Chevron	1630 S Elena Ave	Redondo Beach	CA	90277	44719005	Other Gasoline Stations			\$4,176		

Unranked but significant

1	Target	1601 Kingsdale Ave	Redondo Beach	CA	90278							
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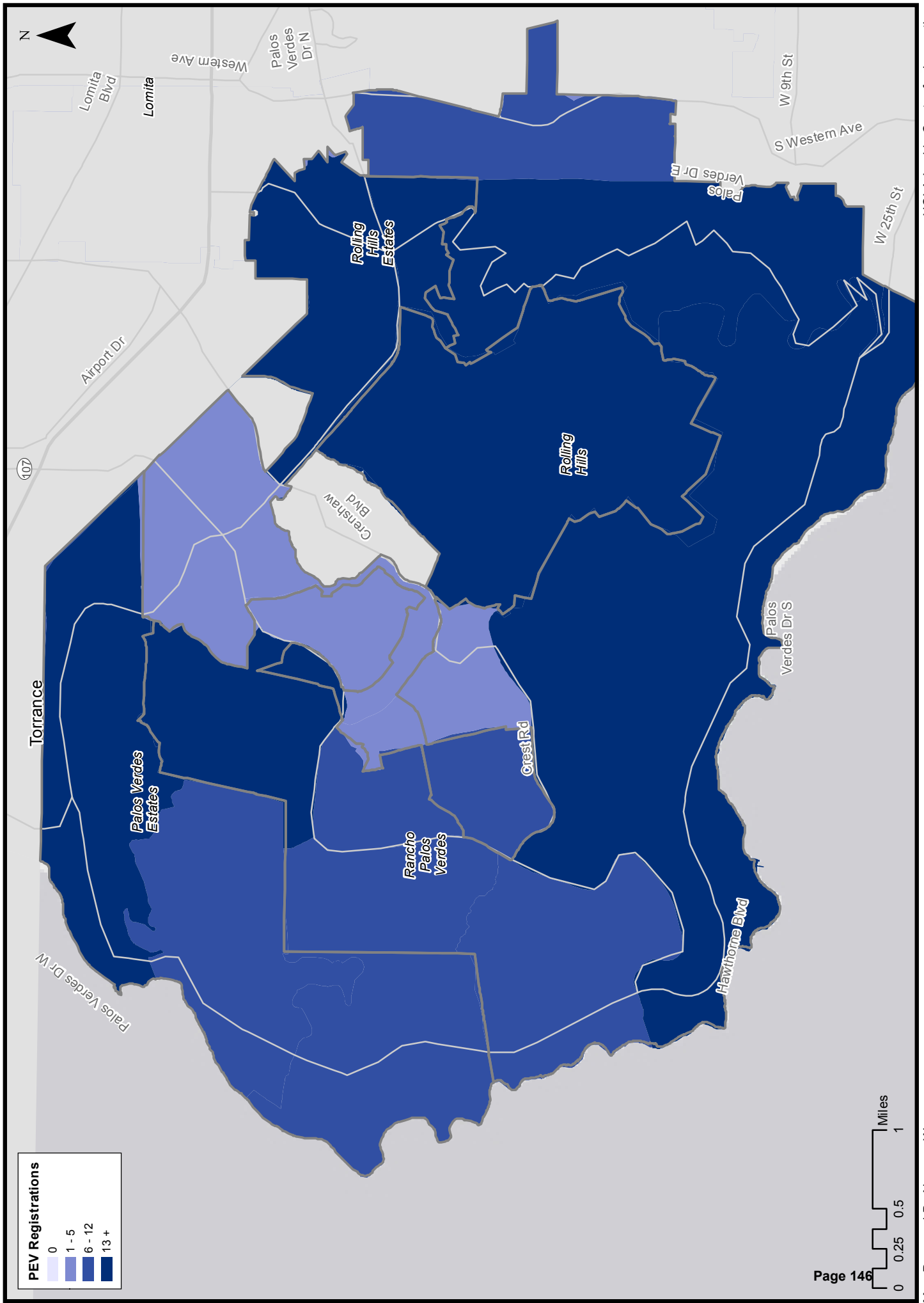
Redondo Beach: Publicly-Accessible Charging Stations (Summer/Fall 2012)



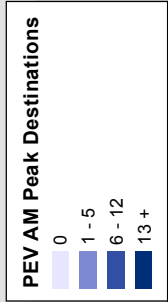
Redondo Beach: Stand-alone Parking Facilities



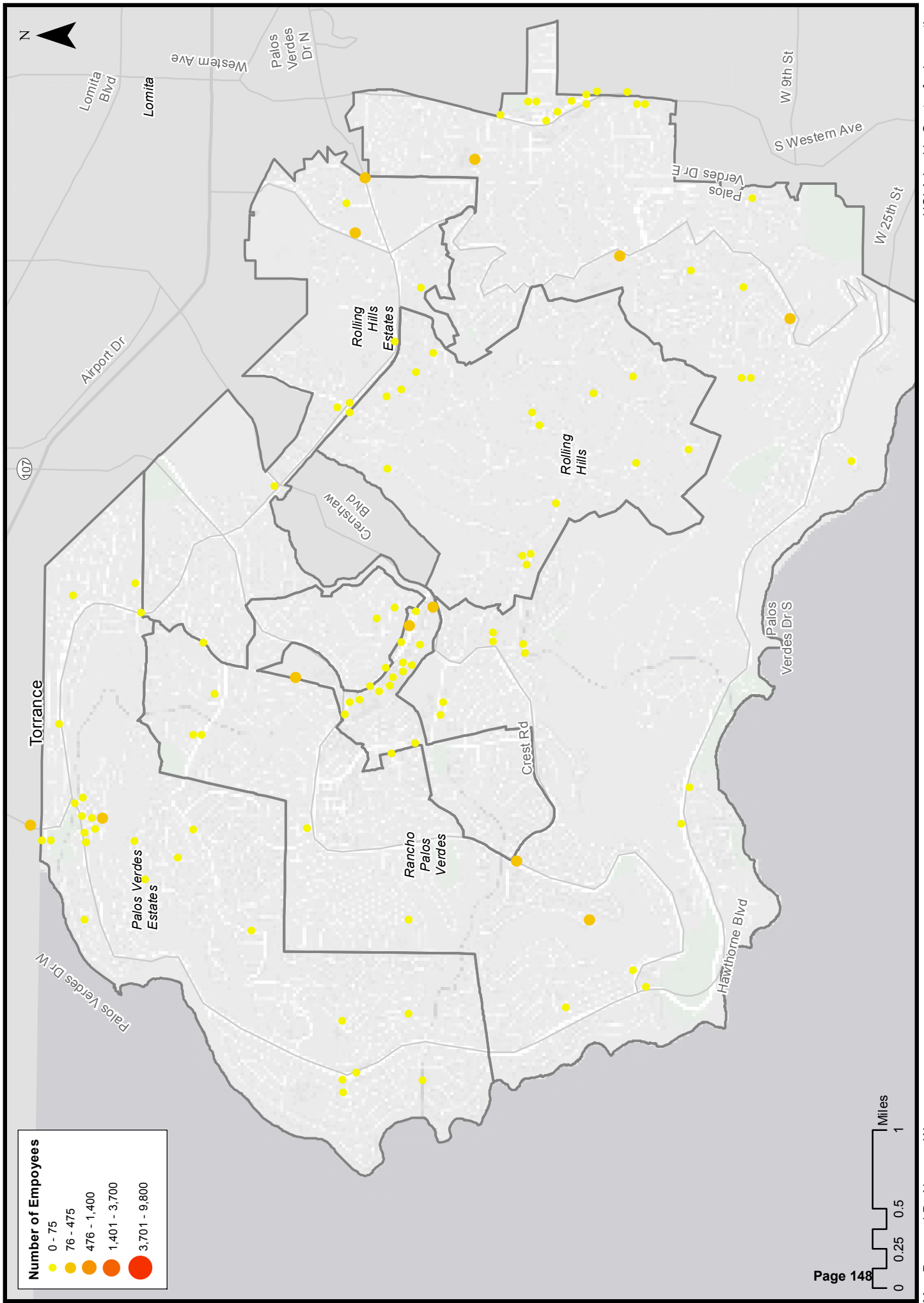
Palos Verdes Peninsula Plug-in Electric Vehicle Registrations



Palos Verdes Peninsula

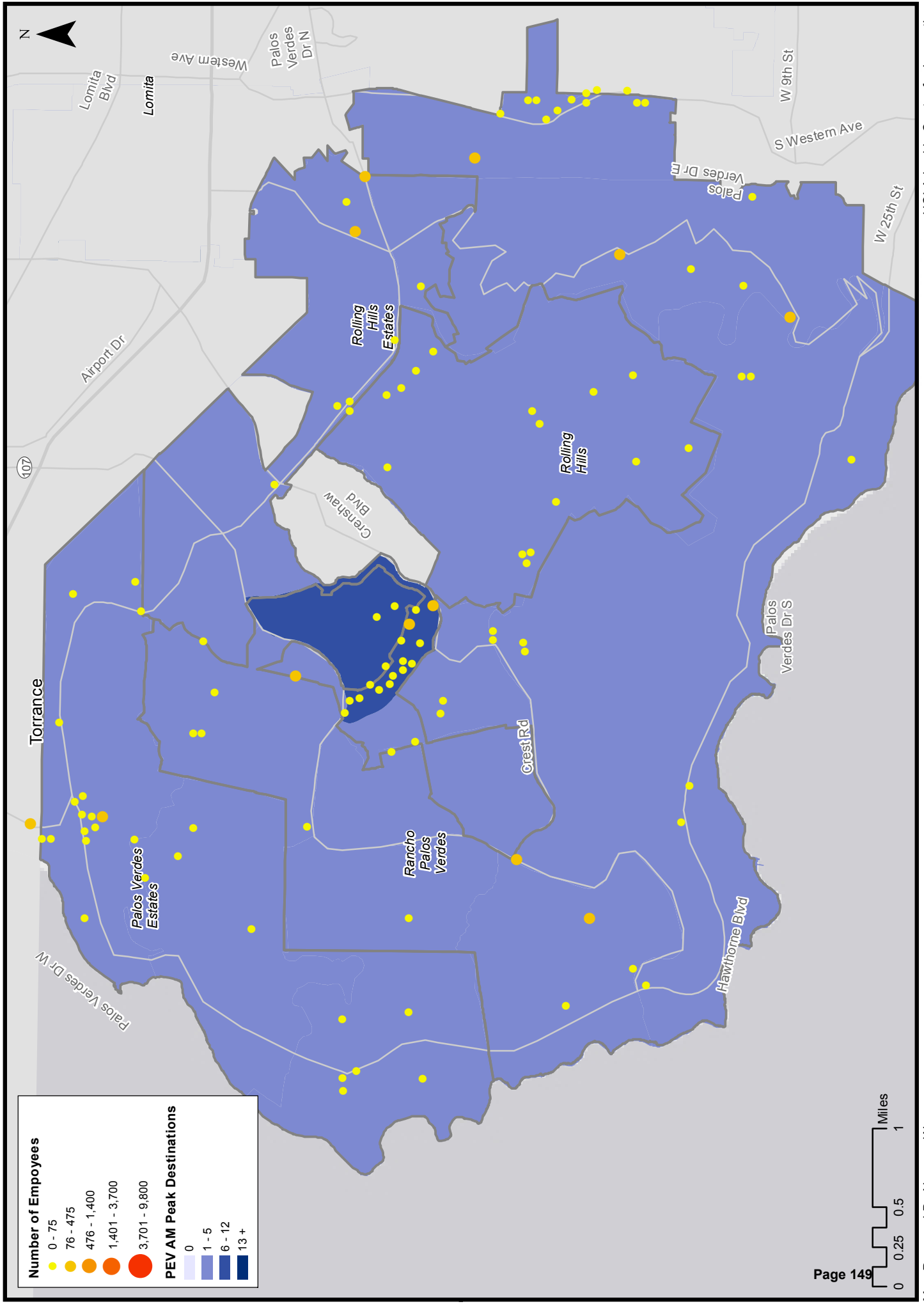


Palos Verdes Peninsula Top Workplaces by Number of Employees



Palos Verdes Peninsula

PEV Morning Peak Destinations and Top Workplaces



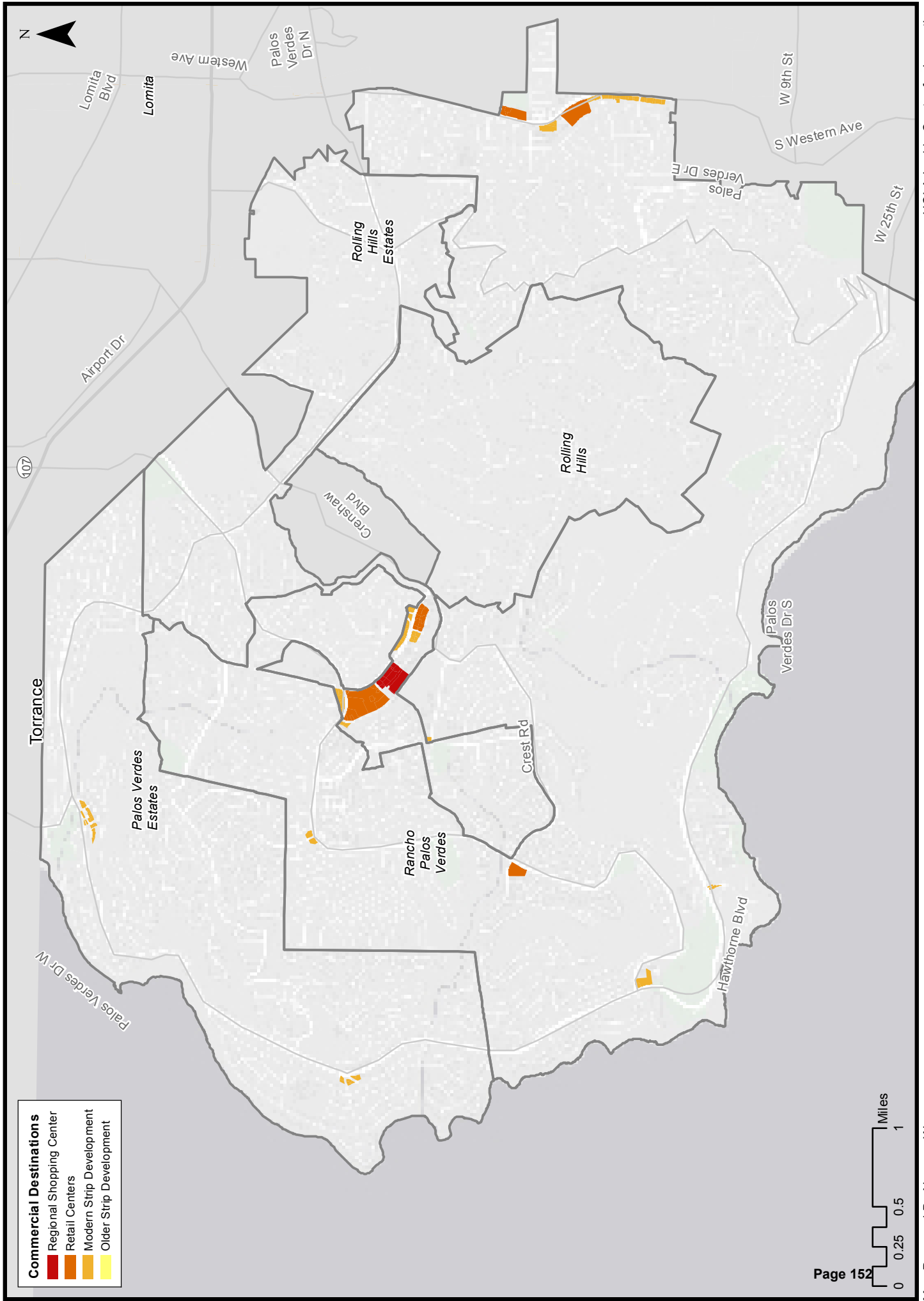
Rolling Hills: Top Employers										
	Company	Address	City	ST	ZIP	Type	Employees	PEV Density	High Tech	White Collar
1	Ecla II	11 Georgeff Rd	Rolling Hills	CA	90274		20		N	N
2	CGS Partnership	2910 Palos Verdes Dr N	Rolling Hills	CA	90274		15		N	N
3	Houck Construction	15 Caballeros Rd	Rolling Hills	CA	90274	New Single-Family General Contrs	9		N	N
4	Haley Brothers Inc	6 Roadrunner Rd	Rolling Hills	CA	90274	Other Millwork, Including Flooring	9		N	N
5	Arrow Communication Inc	2840 Palos Verdes Dr N	Rolling Hills	CA	90274	Other Electronic Parts Merchant Whols	8		N	Y
6	J H Nunn & Assoc	1 Crest Rd W	Rolling Hills	CA	90274	Industrial Paper Merchant Whols	7		N	Y
7	Palos Verdes Peninsula Transit	38 Crest Rd W	Rolling Hills	CA	90274	Other Urban Transit Systems	7		N	N*
8	First Transit Inc	38 Crest Rd W	Rolling Hills	CA	90274	Freight Transportation Arrangement	6		N	Y
9	South Bay Credit Union	38 Crest Rd W	Rolling Hills	CA	90274	Credit Unions	5		N	Y
10	Schaye Realtors	58 Portuguese Bend Rd	Rolling Hills	CA	90274	Offices of Real Estate Agents & Brokers	4		N	Y
11	One to One Properties	8 Packsaddle Rd W	Rolling Hills	CA	90274	Offices of Real Estate Agents & Brokers	3		N	Y
12	Thomas T Roberts	1 El Concho Ln	Rolling Hills	CA	90274	Offices of Lawyers	3		N	Y
13	SGC Group	7 Reata Ln	Rolling Hills	CA	90274	Custom Computer Programming Svcs	3		Y*	Y
14	Fuller & Co	2 Packsaddle Rd E	Rolling Hills	CA	90274	Process & Logistics Consulting Svcs	3		N	Y
15	E Search	32 Middleridge Ln S	Rolling Hills	CA	90274	Marketing Research & Public Open Polling	3		N	Y
16	Rancho Del Mar School	38 Crest Rd W	Rolling Hills	CA	90274	Elementary & Secondary Schools	2		N	Y
17	James R Black MD	36 Saddleback Rd	Rolling Hills	CA	90274	Offices of Physicians, Except Mental Health	2		N	Y
18	Miller Radiology	12 Saddleback Rd	Rolling Hills	CA	90274	Offices of Physicians, Except Mental Health	2		N	Y
19	Rolling Hills Main Gate	1 Portuguese Bend Rd	Rolling Hills	CA	90274	Business Associations	2		N	N
20	Rolling Hills Crest Gate	44 Crest Rd W	Rolling Hills	CA	90274	Business Associations	1		N	Y
21	Rolling Hills City Hall	2 Portuguese Bend Rd	Rolling Hills	CA	90274	Business Associations	1		N	N
22	Rolling Hills Community Assn	1 Portuguese Bend Rd	Rolling Hills	CA	90274	Legislative Bodies	1		N	N
23	Rolling Hills City Fire Dept	12 Crest Rd W	Rolling Hills	CA	90274	Fire Protection	1		N	N

*Reclassified by the Lusk Center

Rolling Hills Estates: Top Employers										
	Company	Address	City	ST	ZIP	Type	Employees	Pev Density	High Tech	White Collar
1	US Post Office	955 Deep Valley Dr	Rolling Hls Ests	CA	90274	Postal Svc	300	M	N	N
2	Rolling Hills Country Club	27000 Palos Verdes Dr E	Rolling Hls Ests	CA	90274	Golf Courses & Country Clubs	200		N	N
3	Equinox Fitness Clubs	550 Deep Valley Dr	Rolling Hls Ests	CA	90274	Fitness & Recreational Sports Centers	200	M	N	N
4	Bristol Farms	837 Silver Spur Rd	Rolling Hls Ests	CA	90274	Supermarkets & Other Grocery Stores	185	M	N	N*
5	Palos Verdes Peninsula High	27118 Silver Spur Rd	Rolling Hls Ests	CA	90274	Elementary & Secondary Schools	180		N	Y
6	Keller Williams Realty	500 Silver Spur Rd	Rolling Hls Ests	CA	90275	Offices of Real Estate Agents & Brokers	170	M	N	Y
7	Pavilions	7 Peninsula Ctr	Rolling Hls Ests	CA	90274	Supermarkets & Other Grocery Stores	150	M	N	N*
8	Rolling Hills Covenant Church	2222 Palos Verdes Dr N	Rolling Hls Ests	CA	90274	Religious Organizations	100		N	Y
9	Abercrombie & Fitch	550 Deep Valley Dr # 189	Rolling Hls Ests	CA	90274	Men's Clothing Stores	85	M	N	N*
10	Polas Verdes Library District	701 Silver Spur Rd	Rolling Hls Ests	CA	90274	Libraries & Archives	70	M	N	Y
11	Coldwell Banker	600 Deep Valley Dr	Rolling Hls Ests	CA	90274	Offices of Real Estate Agents & Brokers	70	M	N	Y
12	Longs Drugs	901 Silver Spur Rd	Rolling Hls Ests	CA	90274	Pharmacies & Drug Stores	68	M	N	N*
13	Prudential California Realty	501 Deep Valley Dr # 100	Rolling Hls Ests	CA	90274	Offices of Real Estate Agents & Brokers	68	M	N	Y
14	AI D'Amico & Assoc	500 Silver Spur Rd # 303	Rolling Hls Ests	CA	90275	Offices of Real Estate Agents & Brokers	60	M	N	Y
15	Smith Barney	609 Deep Valley Dr # 400	Rolling Hls Ests	CA	90274	Securities Brokerage	58	M	N	Y
16	Dapple Gray Elementary School	3011 Palos Verdes Dr N	Rolling Hls Ests	CA	90274	Elementary & Secondary Schools	55		N	Y
17	Travel Door	31 Peninsula Ctr	Rolling Hls Ests	CA	90274	Travel Agencies	50	M	N	Y
18	Spectrum Health Club	51 Peninsula Ctr # D	Rolling Hls Ests	CA	90274	Fitness & Recreational Sports Centers	50	M	N	N
19	Ruby's Diner	550 Deep Valley Dr # 120	Rolling Hls Ests	CA	90274	Snack & Nonalcoholic Beverage Bars	50	M	N	N
20	Christian Science Reading Room	805 Deep Valley Dr	Rolling Hls Ests	CA	90274	Religious Organizations	50		N	Y
21	Marie Callender's	550 Deep Valley Dr # 319	Rolling Hls Ests	CA	90274	Retail Bakeries	45	M	N	N
22	Peninsula Heritage School	26944 Rolling Hills Rd	Rolling Hls Ests	CA	90274	Elementary & Secondary Schools	41		N	Y
23	Red Onion	736 Silver Spur Rd	Rolling Hls Ests	CA	90274	Limited-Service Restaurants	41	M	N	N
24	Borders Books & Music	550 Deep Valley Dr # 261	Rolling Hls Ests	CA	90274	Musical Instrument & Supplies Stores	40	M	N	N*
25	Banana Republic	550 Deep Valley Dr	Rolling Hls Ests	CA	90274	Family Clothing Stores	35	M	N	N*
26	TJ Maxx	24 Peninsula Ctr	Rolling Hls Ests	CA	90274	Department Stores, Except Discount	35	M	N	N*
27	Lindamood-Bell	550 Deep Valley Dr # 291	Rolling Hls Ests	CA	90274	Exam Preparation & Tutoring	35	M	N	Y
28	Marmalade Cafe	550 Deep Valley Dr	Rolling Hls Ests	CA	90274	Limited-Service Restaurants	35	M	N	N
29	R-Tec	28441 Highridge Rd	Rolling Hls Ests	CA	90274	Search, Detection, & Navigation Instruments	32		Y	Y
30	Williams-Sonoma	550 Deep Valley Dr	Rolling Hls Ests	CA	90274	Furniture Stores	30	M	N	N*
31	Rhumc Kid Zone	26438 Crenshaw Blvd	Rolling Hls Ests	CA	90274	Child Day Care Svcs	30		N	N*
32	Jack Kramer Club	11 Montecillo Dr	Rolling Hls Ests	CA	90274	Fitness & Recreational Sports Centers	30		N	N
33	Artists Studio Galleries	550 Deep Valley Dr # 327	Rolling Hls Ests	CA	90274	Other Social Advocacy Organizations	30	M	N	Y
34	Mayer's Bakeries	14 Peninsula Ctr	Rolling Hls Ests	CA	90274	Retail Bakeries	26	M	N	N
35	Gap	550 Deep Valley Dr # 111	Rolling Hls Ests	CA	90274	Family Clothing Stores	25	M	N	N*
36	Wells Fargo Bank	27440 Hawthorne Blvd	Rolling Hls Ests	CA	90274	Commercial Banking	25	M	N	Y
37	Wilkes & Mc Hugh PA	500 Silver Spur Rd # 200	Rolling Hls Ests	CA	90275	Offices of Lawyers	25	M	N	Y
38	SQA Svc Inc	550 Silver Spur Rd	Rolling Hls Ests	CA	90275	Administrative Management Consulting Svcs	25	M	N	Y
39	New Horizons Child Devmnt Ctr	26945 Rolling Hills Rd	Rolling Hls Ests	CA	90274	Elementary & Secondary Schools	25		N	Y
40	Kumon Palos Verdes Class	944 Indian Peak Rd # 130	Rolling Hls Ests	CA	90274	Exam Preparation & Tutoring	25		N	Y

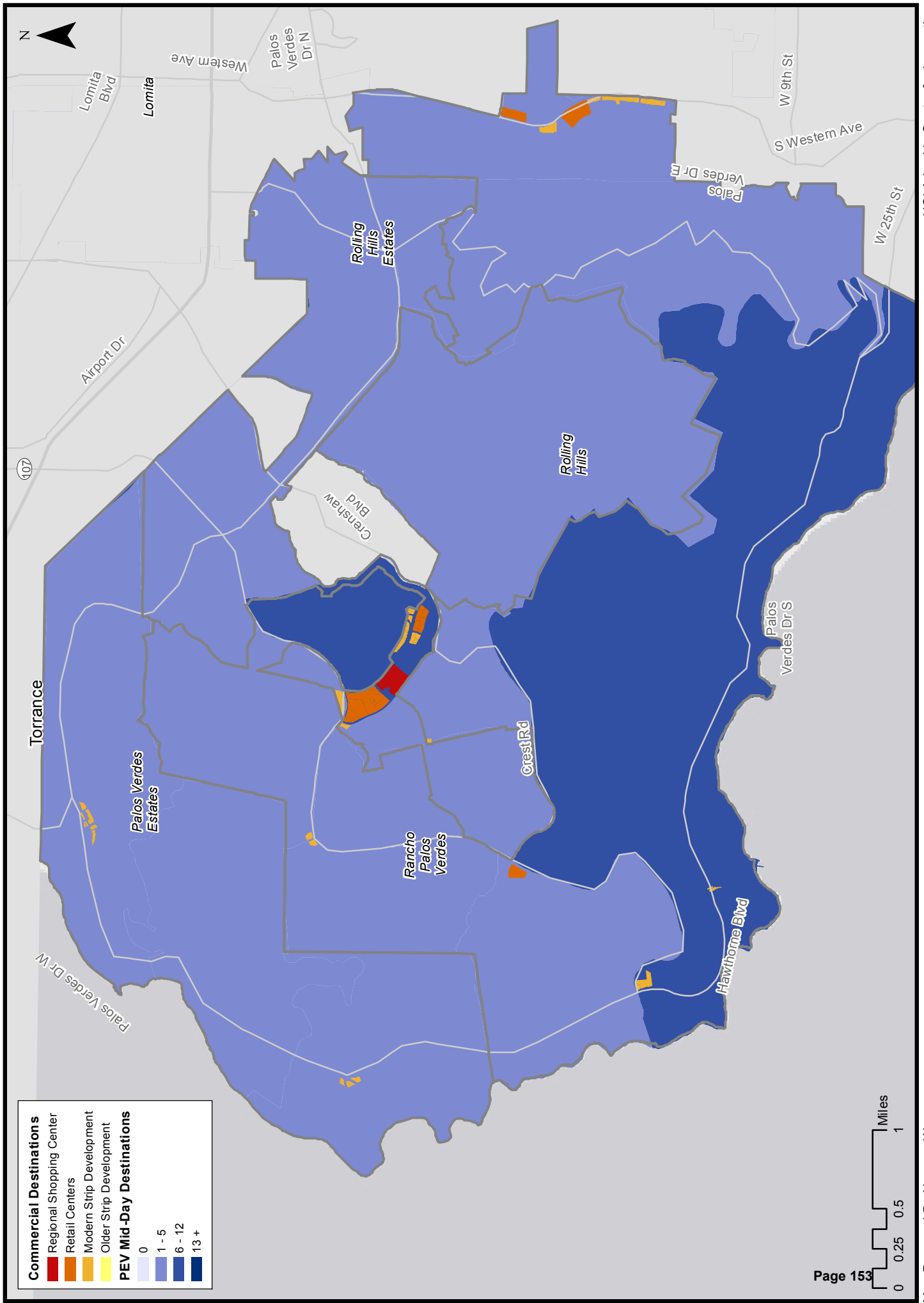
*Reclassified by the Luskin Center

Palos Verdes Peninsula Commercial (Retail) Destinations



Palos Verdes Peninsula

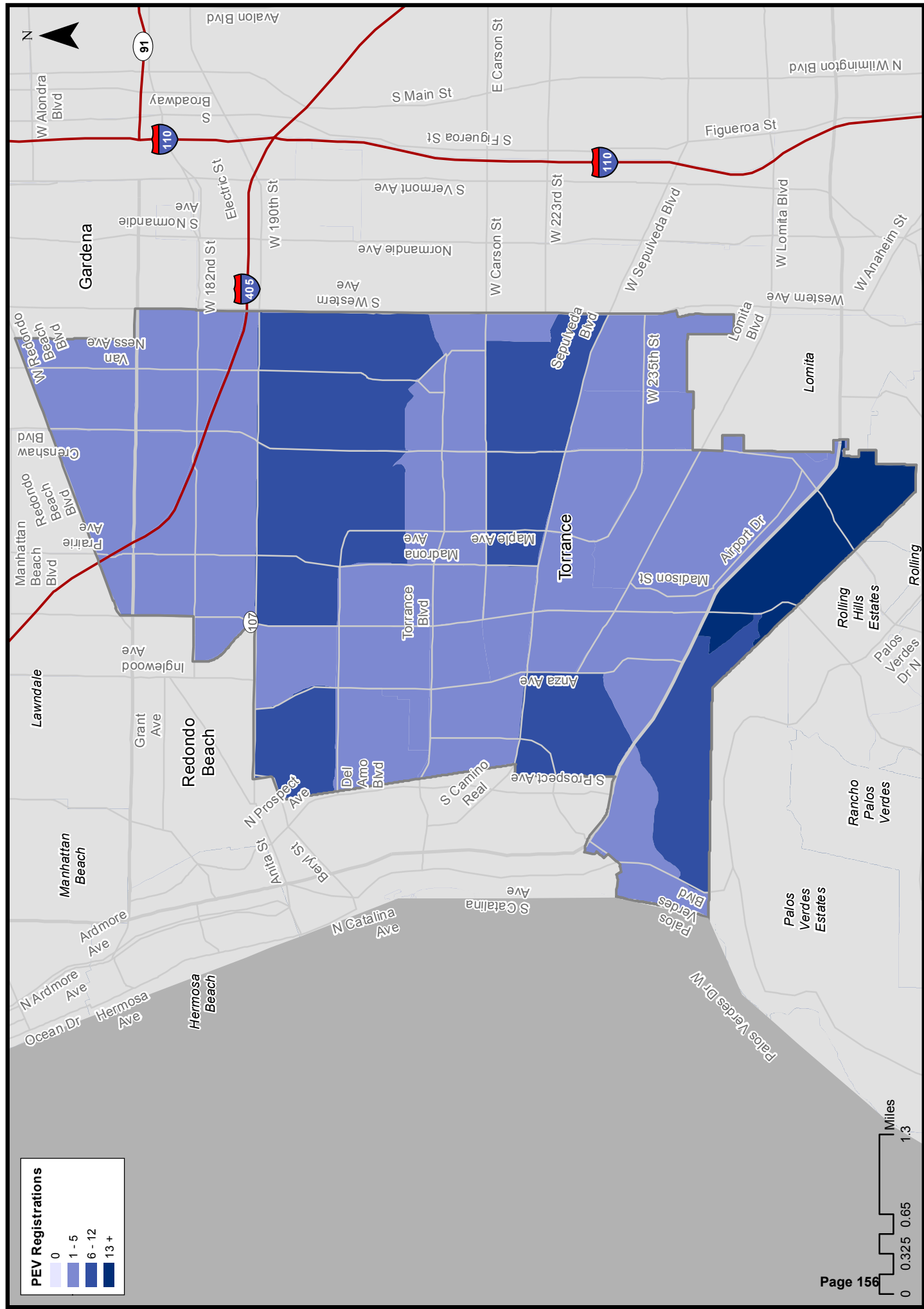
PEV Mid-Day Destinations and Commercial (Retail) Locations



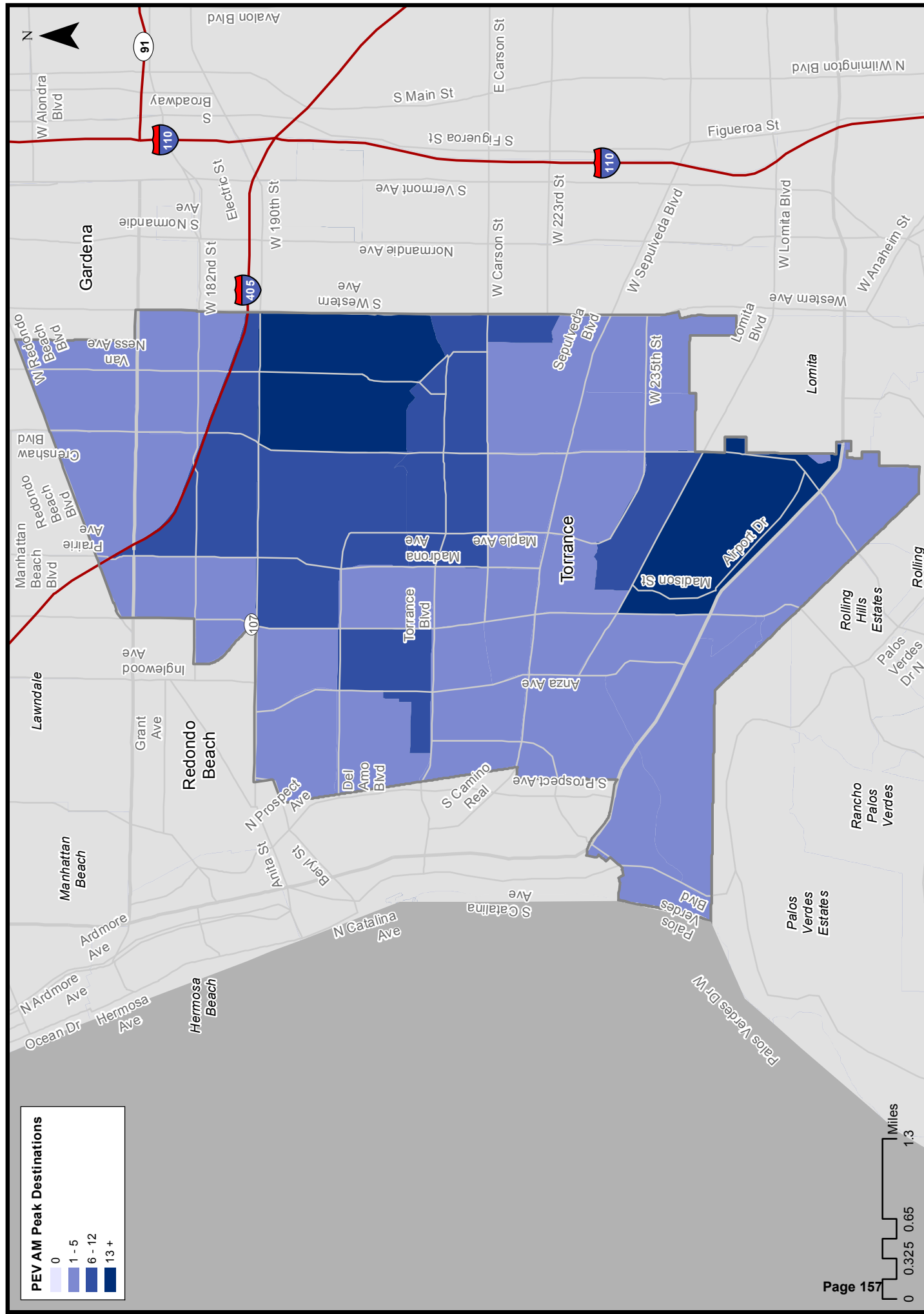
Rolling Hills: Top Retailers									
	Company	Address	City	ST	ZIP	NAICS Code	Type	Annual Sales Volume (in thousands)	PEV Density
1	Rolling Hills Main Gate	1 Portuguese Bend Rd	Rolling Hills	CA	90274	81391002	Business Associations	0	
2	Rolling Hills Crest Gate	44 Crest Rd W	Rolling Hills	CA	90274	81391002	Business Associations	0	
3	Rolling Hills City Hall	2 Portuguese Bend Rd	Rolling Hills	CA	90274	81391002	Business Associations	0	

Rolling Hills Estates: Top Retailers									
	Company	Address	City	ST	ZIP	NAICS Code	Type	Annual Sales Volume (in thousands)	PEV Density
1	Bristol Farms	837 Silver Spur Rd	Rolling Hls Ests	CA	90274	44511001	Supermarkets & Other Grocery Stores	\$45,695	M
2	Pavilions	7 Peninsula Ctr	Rolling Hls Ests	CA	90274	44511003	Supermarkets & Other Grocery Stores	\$37,050	M
3	Rolling Hills Country Club	27000 Palos Verdes Dr E	Rolling Hls Ests	CA	90274	71391001	Golf Courses & Country Clubs	\$16,800	
4	Abercrombie & Fitch	550 Deep Valley Dr # 189	Rolling Hls Ests	CA	90274	44811006	Men's Clothing Stores	\$15,810	M
5	Longs Drugs	901 Silver Spur Rd	Rolling Hls Ests	CA	90274	44611009	Pharmacies & Drug Stores	\$12,444	M
6	Williams-Sonoma	550 Deep Valley Dr	Rolling Hls Ests	CA	90274	44211012	Furniture Stores	\$9,180	M
7	Equinox Fitness Clubs	550 Deep Valley Dr	Rolling Hls Ests	CA	90274	71394011	Fitness & Recreational Sports Centers	\$7,800	M
8	Banana Republic	550 Deep Valley Dr	Rolling Hls Ests	CA	90274	44814001	Family Clothing Stores	\$6,510	M
9	TJ Maxx	24 Peninsula Ctr	Rolling Hls Ests	CA	90274	45211101	Department Stores, Except Discount	\$5,670	M
10	Borders Books & Music	550 Deep Valley Dr # 261	Rolling Hls Ests	CA	90274	45114006	Musical Instrument & Supplies Stores	\$5,320	M
11	Gap	550 Deep Valley Dr # 111	Rolling Hls Ests	CA	90274	44814001	Family Clothing Stores	\$4,650	M
12	Restoration Hardware	550 Deep Valley Dr # 283	Rolling Hls Ests	CA	90274	44211012	Furniture Stores	\$4,590	M
13	Jamba Juice	435 Silver Spur Rd	Rolling Hls Ests	CA	90274	44523005	Fruit & Vegetable Markets	\$4,218	M
14	J Crew	550 Deep Valley Dr # 229	Rolling Hls Ests	CA	90274	44814001	Family Clothing Stores	\$3,720	M
15	Standard Concrete Products Co	26311 Palos Verdes Dr E	Rolling Hls Ests	CA	90274	44419012	Other Building Material Dealers	\$3,612	
16	Norris Theatre-the Performing	27570 Crossfield Dr	Rolling Hls Ests	CA	90274	71111007	Theater Companies & Dinner Theaters	\$3,384	M
17	Morgan's Jewelers	50 Peninsula Ctr # C	Rolling Hls Ests	CA	90274	44831020	Jewelry Stores	\$2,856	M
18	Stein Mart	51 Peninsula Ctr # B	Rolling Hls Ests	CA	90274	45211101	Department Stores, Except Discount	\$2,592	M
19	J Jill	550 Deep Valley Dr # 151	Rolling Hls Ests	CA	90274	44812010	Women's Clothing Stores	\$2,528	M
20	Ruby's Diner	550 Deep Valley Dr # 120	Rolling Hls Ests	CA	90274	72221313	Snack & Nonalcoholic Beverage Bars	\$2,000	M
21	Spectrum Health Club	51 Peninsula Ctr # D	Rolling Hls Ests	CA	90274	71394011	Fitness & Recreational Sports Centers	\$1,950	M
22	Jack Kramer Club	11 Montecillo Dr	Rolling Hls Ests	CA	90274	71394021	Fitness & Recreational Sports Centers	\$1,740	
23	Red Onion	736 Silver Spur Rd	Rolling Hls Ests	CA	90274	72221105	Limited-Service Restaurants	\$1,640	M
24	Ann Taylor	550 Deep Valley Dr # 242	Rolling Hls Ests	CA	90274	44812010	Women's Clothing Stores	\$1,422	M
25	Chico's	550 Deep Valley Dr # 177	Rolling Hls Ests	CA	90274	44812010	Women's Clothing Stores	\$1,422	M
26	PETCO	51 Peninsula Ctr # A	Rolling Hls Ests	CA	90274	45391004	Pet & Pet Supplies Stores	\$1,413	M
27	Marmalade Cafe	550 Deep Valley Dr	Rolling Hls Ests	CA	90274	72221105	Limited-Service Restaurants	\$1,400	M
28	Elwood Nursery	770 Silver Spur Rd	Rolling Hls Ests	CA	90274	44422012	Nursery, Garden, & Farm Supply Stores	\$1,365	M
29	Origins Natural Resources	550 Deep Valley Dr # 133	Rolling Hls Ests	CA	90274	44612001	Cosmetic & Beauty Supply Stores	\$1,340	M
30	Small Wonders	550 Deep Valley Dr # 319	Rolling Hls Ests	CA	90274	44813001	Children's & Infants' Clothing Stores	\$1,288	M
31	Skinner's Pharmacy Inc	927 Deep Valley Dr	Rolling Hls Ests	CA	90274	44619106	Food, Health, Supplement Stores	\$1,281	M
32	Peninsula Golf	627 Silver Spur Rd	Rolling Hls Ests	CA	90274	71391002	Golf Courses & Country Clubs	\$1,260	M
33	Rite Aid	23 Peninsula Ctr	Rolling Hls Ests	CA	90274	44619106	Food, Health, Supplement Stores	\$1,098	M
34	All American Pure Form	19 Peninsula Ctr	Rolling Hls Ests	CA	90274	44619103	Food, Health, Supplement Stores	\$1,057	M
35	Amuse Music Inc	43 Peninsula Ctr # C	Rolling Hls Ests	CA	90274	45114012	Musical Instrument & Supplies Stores	\$1,056	M
36	Famous Footwear	35 Peninsula Ctr	Rolling Hls Ests	CA	90274	44821007	Shoe Stores	\$1,008	M
37	Rolling Hills Estates Tennis	4045 Palos Verdes Dr N	Rolling Hls Ests	CA	90274	71394022	Fitness & Recreational Sports Centers	\$1,008	
38	Radio Shack	50 Peninsula Ctr # F	Rolling Hls Ests	CA	90274	44311207	Radio, TV & Other Electronics Stores	\$969	M
39	Winston & Co Clothiers	550 Deep Valley Dr # 223	Rolling Hls Ests	CA	90274	44811006	Men's Clothing Stores	\$965	M
40	Medawar's Jewelers	700 Silver Spur Rd # 101	Rolling Hls Ests	CA	90274	44831020	Jewelry Stores	\$952	M
Gas Stations									
1	Silver Spur Arco	27301 Hawthorne Blvd	Rolling Hls Ests	CA	90274	44719005	Other Gasoline Stations	\$4,640	M

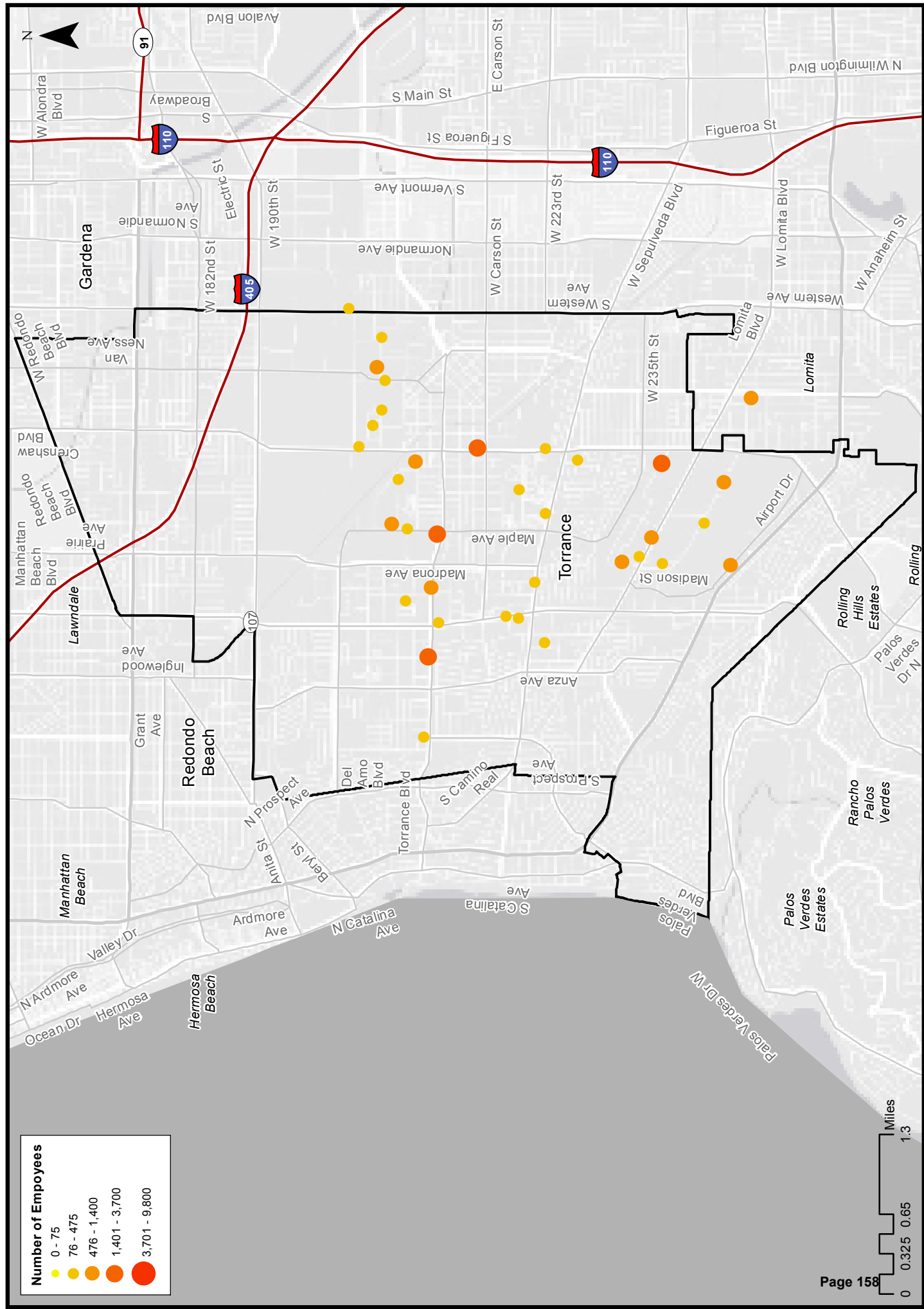
Torrance: Plug-in Electric Vehicle Registrations



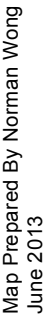
Torrance: Plug-in Electric Vehicle Morning Peak Destinations



Torrance: Top Workplaces by Number of Employees



UCLA Luskin Center for Innovation
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Torrance: Top Employers							
	Company	Address	Type	Employees	PEV Density	High Tech	White Collar
1	L.A. County Harbor-UCLA Medical Center	1000 W Carson St		3,699	M		
2	Torrance Memorial Medical Center	3330 Lomita Blvd	Offices of Physicians, Except Mental Health	3,018	H	N	Y
3	Prov Health Sys/Little Co Mary Medical Center	4101 Torrance Blvd		1,997	M		
4	El Camino College	16007 S Crenshaw Blvd		1,623			
5	American Honda Motor Co	1919 Torrance Blvd	Process & Logistics Consulting Svcs	1,602	H	N	Y
6	Honeywell International Inc	2525 W 190th St	Other Nonferrous Foundries, Exc Die-Casting	1,200	M	N	N
7	Alcoa Global Fasteners, Inc	3000 W Lomita Blvd	Hardware Merchant Whols	990	M	N	N*
8	Torrance City	3031 Torrance Blvd	Executive Offices	980	M	N	N
9	Robinson Helicopter Co Inc	2901-31 Airport Dr	Aircraft Mfg	961	H	Y	N*
10	Herbalife International of America	950 190th St	Offices of Misc Health Practitioners	939	H	N	Y
11	Hi-Shear Corporation	2600 Skypark Dr	Inorganic Dye & Pigment Mfg	865	H	N	N
12	ExxonMobil Oil Company	3700 W 190th St	Petroleum Refineries	680	M	N	Y
13	L-3 Communications Electron Tech Inc	3100 W Lomita Blvd	Search, Detection, & Navigation Instruments	621	H	Y	Y
14	Healthcare Partners	19191 S Vermont Ave	Offices of Physicians, Except Mental Health	604		N	Y
15	Macy's	21600 Hawthorne Blvd	Department Stores, Except Discount	596		N	N*
16	L.A. Biomedical Research Institute	1124 W Carson St		592			
17	Pelican Products	23215 Early Ave	Other Lighting Equip Mfg	466	M	N	N
18	Moog, Inc	20263 S Western Ave	Search, Detection, & Navigation Instruments	445	H	Y	Y
19	Keenaan & Associates	2355 Crenshaw Blvd	Insurance Agencies & Brokerages	385		N	Y
20	Virco Mfg Corp	2027 Harpers Blvd	Institutional Furniture Mfg	372	H	N	N
21	Costco Wholesale	2751 Skypark Dr	All Other Health & Personal Care Stores	368	H	N	N*
22	Wal-Mart	19503 S Normandie Ave		338	H	N*	N*
23	R. R. Donnelley & Sons Co	19681 Pacific Gateway Dr		337	H	N*	N*
24	Target	3433 Sepulveda Blvd	Department Stores, Except Discount	326		N	N*
25	Harbor Regional Ctr	21231 Hawthorne Blvd	Vocational Rehabilitation Svcs	233		N	N
26	Interstate Personnel Svc	3830 Del Amo Blvd # 102	Temporary Help Svcs	217		N	Y
27	Bel Air Patrol	21171 S Western Ave	Electric Equip & Wiring Merchant Whols	201	M	N	Y
28	Classic Components Corp	23605 Telo Ave	Other Electronic Parts Merchant Whols	201	M	N	Y
29	Industrial Dynamics Co Ltd	3100 Fujita St	All Other Misc Mfg	200	M	N	N
30	PC Mall Inc	2555 W 190th St	Computer & Software Stores	200	M	Y	N*
31	Panasonic Disc Mfg Corp	20608 Madrona Ave	Magnetic & Optical Recording Media Mfg	200	M	N	N
32	Mercedes-Benz of South Bay	3233 Pacific Coast Hwy	New Car Dealers	200		N	Y
33	Scott Robinson Honda	20340 Hawthorne Blvd	New Car Dealers	200		N	Y
34	Alpine Electronics of America	19145 Gramercy Pl	Other Electronic Parts Merchant Whols	200	H	N	Y
35	M/A-Com Inc	1742 Crenshaw Blvd	Semiconductors & Related Devices Mfg	200		Y	N
36	James R Armstrong Theatre	3330 Civic Center Dr N	Theater Companies & Dinner Theaters	200	M	N	N
37	Torrance Fire Dept	1701 Crenshaw Blvd	Fire Protection	190		N	N
38	Transit System	20500 Madrona Ave	Transportation Program Administration	188	M	N	N
39	Kohl's Department Store	25375 Crenshaw Blvd	Department Stores, Except Discount	185	H	N	N*
40	Mervyns	22015 Hawthorne Blvd	Department Stores, Except Discount	180		N	N*

INFOUSA Over 250

1	Westbay Water Co	1606 Crenshaw Blvd	All Other Specialty Food Stores	2,500	M	N	Y
2	Torrance City Hall	3031 Torrance Blvd	Executive Offices	2,000	M	N	N
3	Motorcar Parts of America Inc	2929 California St	Other Motor Vehicle Electric Equip Mfg	833	M	N	N
4	Real Estate Group-Escrow	3480 Torrance Blvd	Offices of Real Estate Agents & Brokers	650		N	Y
5	Younger Optics	2925 California St	Surgical & Medical Instrument Mfg	500	M	N	N
6	Westview Services	23701 Arlington Ave	Home Health Equip Rental	500		N	Y
7	Stor Furnishings Intl Inc	350 Crenshaw Blvd	All Other Durable Goods Merchant Whols	460	H	N	Y
8	Los Angeles County Child Svc	2325 Crenshaw Blvd	Legislative Bodies	450		N	N
9	YMCA	2900 Sepulveda Blvd	Other Individual & Family Svcs	400		N	N
10	Daily Breeze	5215 Torrance Blvd	Newspaper Publishers	400	M	N	Y
11	Home Depot	24451 Crenshaw Blvd	Residential Remodelers	360		N	N*
12	Torrance Police Dept	3300 Civic Center Dr N	Police Protection	350	M	N	N
13	Torrance Police-Crime Prvntn	3300 Civic Center Dr N	Police Protection	350	M	N	N
14	Honeywell Turbo Technologies	3201 Lomita Blvd # 200	Other Commercial & Svc Machinery Mfg	300	M	Y*	Y*
15	Aero-Electric Connector Inc	548 Amapola Ave	Misc Electrical Equip Mfg	300	H	N	N

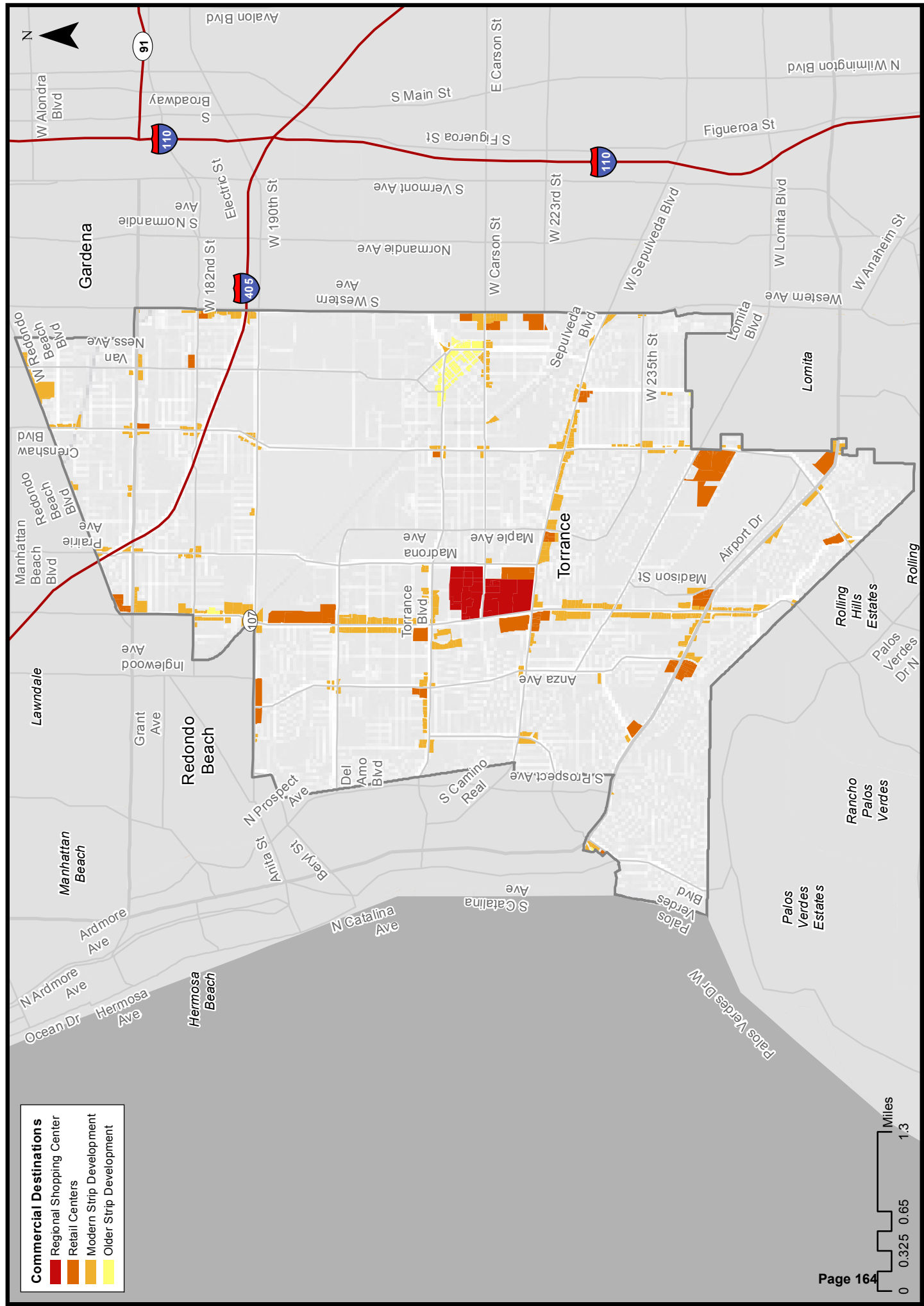
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Torrance: Top Multi-Unit Dwellings									
	Address	City	ST	ZIP	Units	Condo	Year Built	Average Value/Unit	PEV Density
1	4401 Pacific Coast Hwy	Torrance	CA	90505	436	N	1970	\$34,139	
2	22607 Maple Ave	Torrance	CA	90505	267	Y	1963	\$157,464	
3	20900 Anza Ave	Torrance	CA	90503	248	N	1964	\$230,323	
4	20909 Anza Ave	Torrance	CA	90503	184	N	1969	\$70,085	
5	3510 Maricopa St	Torrance	CA	90503	179	N	1973	\$42,679	
6	22863 Nadine Cir	Torrance	CA	90505	177	Y	1963	\$67,343	
7	22601 Nadine Cir	Torrance	CA	90505	156	Y	1963	\$120,168	
8	3922 Emerald St	Torrance	CA	90503	154	N	1964	\$82,382	
9	20707 Anza Ave	Torrance	CA	90503	152	N	1963	\$255,651	
10	23930 Ocean Ave	Torrance	CA	90505	149	N	1967	\$109,472	
11	4315 W 182nd St	Torrance	CA	90504	130	N	1965	\$55,522	
12	20530 Anza Ave	Torrance	CA	90503	128	N	1965	\$68,373	
13	2563 Plaza Del Amo	Torrance	CA	90503	126	Y	1985	\$489,900	
14	5520 W 190th St	Torrance	CA	90503	122	N	1971	\$87,524	M
15	3950 W 226th St	Torrance	CA	90505	120	N	1965	\$39,852	
16	1780 Plaza Del Amo	Torrance	CA	90501	116	N	1963	\$66,791	M
17	20440 Anza Ave	Torrance	CA	90503	112	N	1968	\$22,799	
18	21345 Hawthorne Blvd	Torrance	CA	90503	112	Y	2005	\$100,941	
19	23825 Anza Ave	Torrance	CA	90505	111	N	1970	\$34,271	
20	3101 Plaza Del Amo	Torrance	CA	90503	110	Y	1986	\$310,546	

Torrance: Commercial (Retail) Destinations



Commercial Destinations

- Regional Shopping Center
- Retail Centers
- Modern Strip Development
- Older Strip Development

PEV Mid-Day Destinations

- 0
- 1 - 5
- 6 - 12
- 13 +

0 0.325 0.65 1.3 Miles

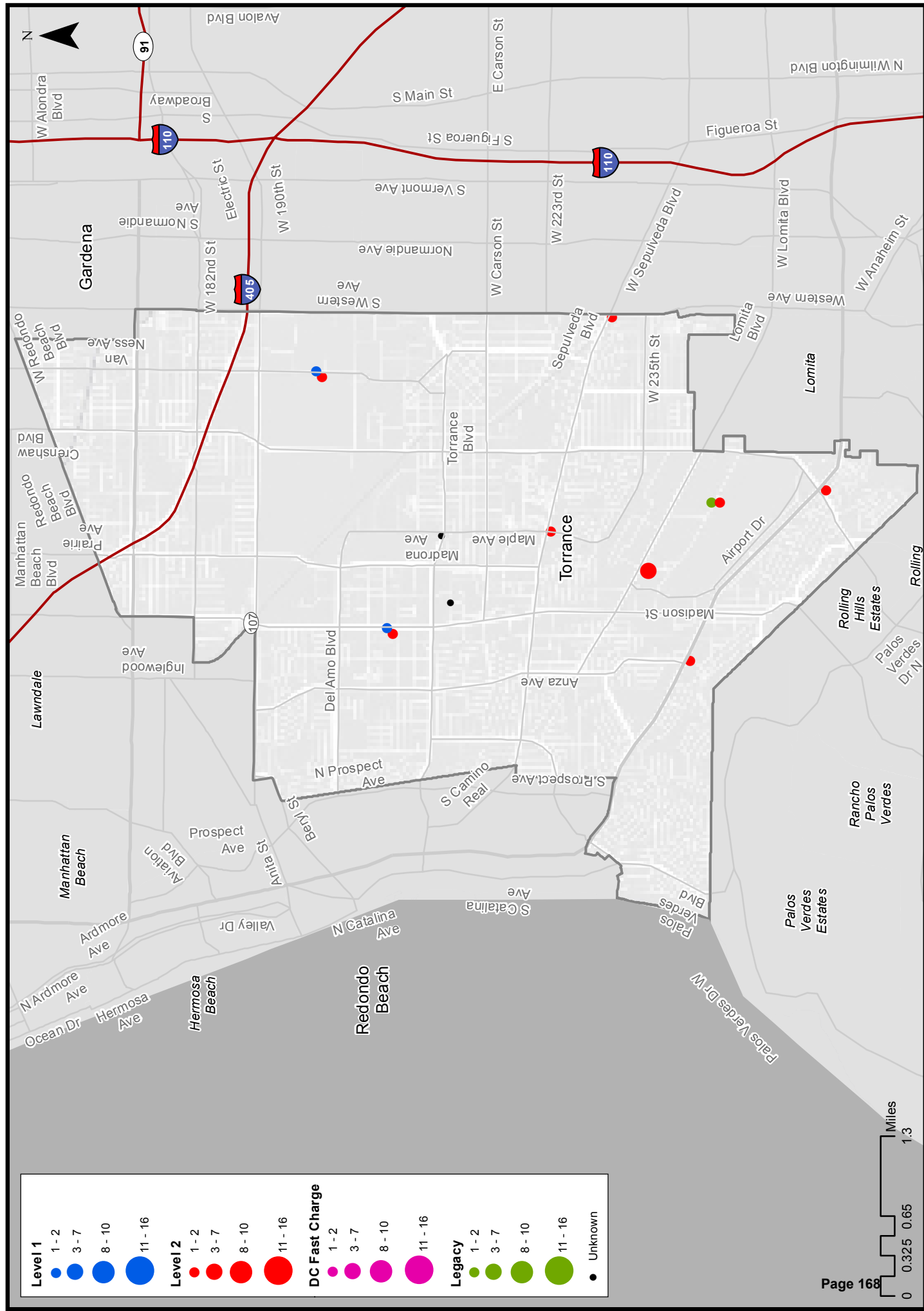
Page 165

Torrance: Top Retailers									
	Company	Address	City	ST	ZIP	NAICS Code	Type	Annual Sales Volume (in thousands)	PEV Density
1	Westbay Water Co	1606 Crenshaw Blvd	Torrance	CA	90501	44529930		\$287,500	
2	PC Mall Inc	2555 W 190th St	Torrance	CA	90504	44312001	Computer & Software Stores	\$68,600	
3	Target	3433 Sepulveda Blvd	Torrance	CA	90505	45211101		\$64,050	M
4	Power Volvo South Bay	3010 Pacific Coast Hwy	Torrance	CA	90505	44111001	New Car Dealers	\$55,835	M
5	Pacific Sales Inc	2080 Washington Ave	Torrance	CA	90501	44419053	Other Building Material Dealers	\$55,600	H
6	Auto Nation Infinity	3035 Pacific Coast Hwy	Torrance	CA	90505	44111001	New Car Dealers	\$54,976	H
7	Lexus South Bay	3215 Pacific Coast Hwy	Torrance	CA	90505	44111001	New Car Dealers	\$51,540	M
8	Power Acura South Bay	25341 Crenshaw Blvd	Torrance	CA	90505	44111001	New Car Dealers	\$51,540	H
9	Torrance Toyota	2955 Pacific Coast Hwy	Torrance	CA	90505	44111001	New Car Dealers	\$45,000	H
10	Saturn of Torrance	20410 Hawthorne Blvd	Torrance	CA	90503	44111001	New Car Dealers	\$42,950	
11	Mercedes-Benz of South Bay	3233 Pacific Coast Hwy	Torrance	CA	90505	44111001	New Car Dealers	\$42,400	M
12	J C Penney Co	21840 Hawthorne Blvd	Torrance	CA	90503	45211101	Department Stores, Except Discount	\$40,500	
13	Macy's	21600 Hawthorne Blvd	Torrance	CA	90503	45211101	Department Stores, Except Discount	\$40,500	
14	Torrance Nissan	20710 Hawthorne Blvd	Torrance	CA	90503	44111001	New Car Dealers	\$40,100	
15	Best Buy	3675 Pacific Coast Hwy	Torrance	CA	90505	44131013	Automotive Parts & Accessories Stores	\$39,729	H
16	Scott Robinson Honda	20340 Hawthorne Blvd	Torrance	CA	90503	44111001	New Car Dealers	\$34,700	M
17	La Car Guy	2900 Pacific Coast Hwy	Torrance	CA	90505	44111001	New Car Dealers	\$34,360	H
18	Mitsubishi Pencil Corp	3838 W Carson St	Torrance	CA	90503	44111001	New Car Dealers	\$34,360	
19	Nissan in Torrance	20710 Hawthorne Blvd	Torrance	CA	90503	44111001	New Car Dealers	\$34,360	
20	Pacific Audi	20550 Hawthorne Blvd	Torrance	CA	90503	44111001	New Car Dealers	\$34,360	
21	Pacific Porsche	2900 Pacific Coast Hwy	Torrance	CA	90505	44111001	New Car Dealers	\$34,360	M
22	South Bay BMW	18800 Hawthorne Blvd	Torrance	CA	90504	44111001	New Car Dealers	\$34,360	M
23	South Bay Chrysler Jeep	20900 Hawthorne Blvd	Torrance	CA	90503	44111001	New Car Dealers	\$34,360	
24	Ted Green Chevrolet	23505 Hawthorne Blvd	Torrance	CA	90505	44111001	New Car Dealers	\$32,642	H
25	Ralphs	1770 W Carson St	Torrance	CA	90501	44511003	Supermarkets & Other Grocery Stores	\$31,616	
26	Whole Foods Market	2655 Pacific Coast Hwy	Torrance	CA	90505	44511003	Supermarkets & Other Grocery Stores	\$30,875	M
27	Kohl's Department Store	25375 Crenshaw Blvd	Torrance	CA	90505	45211101	Department Stores, Except Discount	\$29,970	H
28	Costco	2451 Skypark	Torrance	CA	90505	45211204	Discount Department Stores	\$29,970	H
29	Mervyns	22015 Hawthorne Blvd	Torrance	CA	90503	45211101	Department Stores, Except Discount	\$29,160	
30	Martin Chevrolet	23505 Hawthorne Blvd	Torrance	CA	90505	44111001	New Car Dealers	\$27,100	H
31	Jaguar of South Bay	3111 Pacific Coast Hwy	Torrance	CA	90505	44111001	New Car Dealers	\$25,000	M
32	Nijiya Market	2180 W 190th St	Torrance	CA	90504	44511003	Supermarkets & Other Grocery Stores	\$24,700	
33	Ralphs	2909 Rolling Hills Rd	Torrance	CA	90505	44511003	Supermarkets & Other Grocery Stores	\$24,700	M
34	Ralphs	5035 Pacific Coast Hwy	Torrance	CA	90505	44511003	Supermarkets & Other Grocery Stores	\$24,700	
35	Classic Tents	540 Hawaii Ave	Torrance	CA	90503	44211027	Furniture Stores	\$23,400	
36	Torrance Parks & Recreation	3031 Torrance Blvd	Torrance	CA	90503	71219004	Nature Parks & Other Similar Institutions	\$22,620	
37	Albertsons	21035 Hawthorne Blvd	Torrance	CA	90503	44511003	Supermarkets & Other Grocery Stores	\$22,230	M
38	Kmart	19330 Hawthorne Blvd	Torrance	CA	90503	45211101	Department Stores, Except Discount	\$17,010	
39	Toys R US	22035 Hawthorne Blvd	Torrance	CA	90503	45112035	Hobby, Toy, & Game Stores	\$16,224	
40	HOWS Markets	4848 W 190th St	Torrance	CA	90503	44511001	Supermarkets & Other Grocery Stores	\$16,055	

Unranked but significant

1	Home Depot	24451 Crenshaw Blvd	Torrance	CA	90505				H
2	Walmart	22015 Hawthorne Blvd	Torrance	CA	90503				
3	Walmart	19503 Normandie Ave	Torrance	CA	90501				
4	Trader Joe's	19720 Hawthorne Blvd	Torrance	CA	90503				
5	Trader Joe's	2545 Pacific Coast Hwy	Torrance	CA	90505				M
6	24 Hour Fitness	4240 Redondo Beach Blvd	Torrance	CA	90504				M
7	24 Hour Fitness	2685 Pacific Coast Hwy	Torrance	CA	90505				M
8	LA Fitness	3550 Carson St	Torrance	CA	90503				

Torrance: Publicly-Accessible Charging Stations (Summer/Fall 2012)



Technical Appendix: City-level PEV Planning Maps and Tables

This appendix describes the methods, assumptions and data sources used to create the city-level maps and tables in this Appendix.

PEV registration maps

The maps show the numbers of PEVs registered in each South Bay city by Tier 1 travel analysis zone (TAZ). TAZs closely follow 2000 Census tract boundaries and are used by the Southern California Association of Governments (SCAG) to estimate travel within and between neighborhoods.

There are 4,109 Tier 1 TAZs in the SCAG region. The map colors move from lighter in areas with no or few PEVs registered to darker in areas with more PEVs registered. PEV registration data supplied at the 2010 Census tract level was harmonized with TAZ boundaries.

The numbers were calculated from disaggregated registration data purchased from R.L. Polk & Co., an automotive data vendor. The counts reflect vehicles newly registered from December 2010, when the Chevrolet Volt and Nissan LEAF were introduced, through September 2012. We define a PEV as any fully electric vehicle (including low-speed neighborhood electric vehicles and electrified trucks) or a plug-in hybrid electric vehicle (PHEV).

PEV morning peak destination maps

Using surveys of household travel behavior, SCAG's travel demand model estimates the number of trips from home to work, school, and other destinations by time of day.⁸ By counting the number of PEVs from each *origin* TAZ that feed into each of the daytime *destination* TAZs, we were able to map the locations and densities of PEVs traveling to work on weekdays from 6:00 a.m. to 9:00 a.m. We used the outputs from SCAG's 2008 Regional Model.⁹ It is important to note that these morning peak destination TAZs receive vehicles from outside the city.

Employment density maps

The maps of employment density were prepared using two data sources: 1) the database of businesses that as of April 2013 were subject to the South Coast Air Quality Management District's Rule 2202, which mandates that workplaces of at least 250 employees take measures to reduce emissions from employee commutes; and 2) commercially available Infogroup data from 2008 on employer size (i.e., number of employees) and location. Each circle on the map represents one workplace. The circles move from small to large and from yellow to red as the number of employees per workplace increases as described.

PEV morning peak destinations and employment density maps

This is an overlay of the previous two maps. The maps show both where PEVs driving to work are likely to be during the daytime hours and where there are many employers and potentially high demand for workplace charging depending upon how charging is priced.

⁸ <http://www.scag.ca.gov/modeling/index.htm>

⁹ http://www.scag.ca.gov/modeling/pdf/MVS08/MVS08_Chap05.pdf

Multi-unit dwellings and PEV registration density maps

This data is obtained from SCAG's 2005 Existing Land Use Dataset, which includes information on the concentration of all residential units other than single-family in the SCAG region. The land use data was developed by Aerial Information Systems, Inc. as a Modified Anderson Land Use Classification. The designations were determined by using aerial photography to estimate the land use at the parcel level. Each residential parcel in the dataset is assigned a code that best describes the composition of residential unit types. The factors that contribute to a parcel's residential designation are the height of the buildings, the square footage, and the concentration of multi-unit dwellings per parcel.¹⁰ The densities of units per acre increase from yellow at the duplex, triplex and townhouse level all the way up to high-rise MUDs in red.

CODE	DESCRIPTION	DENSITY
1121	Mixed Multi-Family Residential	NA
1122	Duplexes, Triplexes, and 2- or 2-Unit Condominiums and Townhouses	2 units or less
1123	Low-Rise Apartments, Condominiums, and Townhouses	4+ units. 10 to 18 units per acre
1124	Medium-Rise Apartments and Condominiums	Greater than 18 units per acre
1125	High-Rise Apartments and Condominiums	Greater than 18 units per acre

Commercial (retail) destination maps

This map data is obtained from SCAG's 2005 Existing Land Use Dataset, which includes information on the concentration of retail centers in the SCAG region. The land use data was developed by Aerial Information Systems, Inc. as a Modified Anderson Land Use Classification. The designations were determined by using aerial photography to estimate the land use at the parcel level.

The Appendix contains maps of retail and small business destinations (such as beauty salons and small offices) within each city in the subregion. They highlight four types of retail centers that are likely to attract many of the non-work related vehicular trips. These four categories are as follows:

¹⁰ Southern California Association of Governments. 2002. Southern California 1990 Aerial Land Use Study: Land Use Code Descriptions and Key Signatures, Level III/IV.

CODE	DESCRIPTION	KEY ATTRIBUTE
1221	Regional Shopping Center	Department store with surrounding parking
1222	Retail Centers (Non-Strip With Contiguous Interconnected Off-Street Parking)	Magnet store with in-front parking
1223	Modern Strip Development	Small businesses with parking on-street and on one side
1224	Older Strip Development	Small businesses with on-street parking

Land use Code 1221, Regional Shopping Center, contains large retail centers with at least one major department store and a range of other smaller retail establishments. These shopping centers are generally enclosed malls with parking surrounding the one to three story building. This also includes factory outlet malls.

Land use Code 1222, Retail Centers, is comprised of at least one large magnet store, a large off-street parking lot, and additional detached commercial stores, including small retail stores, gas stations, and restaurants. All structures are generally one story tall. Retail Centers are often located conveniently off major highways or highly trafficked surface streets.

Land use Code 1223, Modern Strip Malls, designates parcels which contain retail stores, restaurants, service shops, and offices, and are often located along major traffic corridors. Parking is available on-street as well as off-street either in front, on the side, or behind the structures. Included in this category are gas stations, auto repair shops, convenience stores, liquor stores, small bank branch offices, clothing stores, restaurants, furniture stores, discount stores, novelty stores, car dealerships or auto centers, drug stores, small corner markets, auctions, and smaller malls which do not contain a large magnet store.

Finally, land use Code 1224, Older Strip Development, contains parcels of land with little or no off-street parking. This category is commonly found in older city and town business corridors. Units are small retail establishments, restaurants, and offices with storefronts without setback, adjacent to the sidewalk. Units are often attached to the neighboring unit creating an uninterrupted streetscape. Units with commercial space on the first floor and residential units on upper floors can be considered Older Strip Development.¹¹

PEV mid-day destinations and commercial (retail) location maps

After mapping retail destinations, the UCLA Luskin Center mapped the locations where currently-registered PEVs travel during weekdays from 9:00 a.m. to 3:00 p.m. The data on PEV registrations comes from automotive data vendor R.L. Polk & Co., which provided the number of PEVs registered as new within each 2010 Census tract from December 2010 through September 2012.

¹¹ Southern California Association of Governments. 2002. Southern California 1990 Aerial Land Use Study: Land Use Code Descriptions and Key Signatures, Level III/IV.

Census tracts closely follow the boundaries of travel analysis zones (TAZs), which are the geographic areas used by SCAG to model vehicle travel. SCAG's travel demand model estimates the number of trips from home to work, school, and other destinations by time of day. By counting the number of PEVs from each *origin* TAZ that feed into each of the mid-day *destination* TAZs, we are able to map the locations and densities of PEVs traveling to neighborhoods from 9:00 a.m. to 3:00 p.m. We used the outputs from SCAG's 2008 Regional Model.¹² It is important to note that these morning peak destination TAZs receive vehicles from outside the city.

Publicly-accessible charging station maps

The Appendix includes maps of publicly-accessible charging stations for each city in the South Bay subregion. "Publicly-accessible" refers to stations that are owned by either the government or private businesses but that are available for use by the general public. The maps identify the number of charging units/cords available at each location along with the level of service (Level 1, Level 2, etc., or "Unknown" where there is charging available but the quantity of connectors and their level of service could not be immediately determined). The maps are based on information collected during the summer and early fall of 2012.

The information was compiled using online databases maintained the U.S. Department of Energy (DOE) (http://www.afdc.energy.gov/fuels/electricity_locations.html) as well as Recargo (www.recargo.com), PlugShare (www.plugshare.com), and Car Stations (www.carstations.com), which contain information posted by users of the charging stations. The precise number of connectors or charging units that are operational at any given time and location are subject to maintenance and upgrade schedules. Some stations designated as "legacy" in the Appendix may have since been upgraded to current connector standards under the Reconnect CA program.

The DOE database's station location feature allows one to search electric vehicle charging stations by state and then download the data into a spreadsheet. The California state list was filtered to include only those located with the six-county SCAG region, and those were further filtered to include only those located within South Bay cities. The DOE list contains charging stations from a variety of sources, including trade media, Clean Cities coordinators, a form on the AFDC website, and through collaboration with charging equipment providers. The data is updated twice per month and stations that are no longer in service are regularly removed. There are additional stations not captured on the DOE list that were found on the other sites listed above.

Stand-alone parking facility maps

This map data is obtained from SCAG's 2005 Existing Land Use Dataset, which includes information on the concentration of stand-alone parking facilities in the SCAG region. The land use data was developed by Aerial Information Systems, Inc. as a Modified Anderson Land Use Classification. The designations were determined by using aerial photography to estimate the land use at the parcel level. Only parking facilities of a size of 2.5 acres or greater (not attached to other land uses) were captured in the dataset.

¹² http://www.scag.ca.gov/modeling/pdf/MVS08/MVS08_Chap05.pdf

Three types of stand-alone parking are classified by SCAG:¹³

Description	Key Attribute
Attended Pay Public Parking Facilities	Stand-alone public parking areas and parking structures that have an attendant-cashier present
Non-Attended Public Parking Facilities	Free or metered public parking areas where no attendant-cashier is present
Park and Ride Lots	Cal Trans park and ride lots provided for commuter ridesharing, buspooling, vanpooling, and carpooling purposes

The “Attended Pay Public Parking Facilities” classification does not distinguish between privately-owned commercial parking facilities available for public use and municipal or other parking facilities owned by the public sector that are available for public use.

Table: Top Workplaces

The top 40 workplaces¹⁴ are listed in each city by number of employees. Data was obtained from 1) the South Coast Air Quality Management District’s April 2013 database of employers subject to Rule 2202, which mandates that workplaces of at least 250 employees take measures to reduce emissions from employee commutes; and 2) commercially available Infogroup data from 2008 on employer size (i.e., number of employees), location, and business category according to the North American Industrial Classification System. Where available, Infogroup data indicates whether the employer is in a high-tech sector (yes or no) or if at least 50% of its employees are white-collar (yes or no). In certain cases, the UCLA Luskin Center has reclassified companies along these attributes. PEV density is defined as “high” if at least 13 PEVs are predicted to travel to the travel analysis zone (TAZ) where the workplace is located during weekdays from 6:00 a.m. to 9:00 a.m. PEV density is defined as “medium” if 6-12 PEVs travel to the TAZ during weekday mornings. A PEV density from 0-5 is left blank.

PEV density is predicted according to SCAG’s 2008 regional travel model.¹⁵ Using surveys of household travel behavior, SCAG’s travel demand model estimates the number of trips from home to work, school, and other destinations by time of day.¹⁶ By counting the number of PEVs from each *origin* TAZ that feed into each of the daytime *destination* TAZs, we were able to map the locations and densities of PEVs

¹³ Southern California Association of Governments. 2002. Southern California 1990 Aerial Land Use Study: Land Use Code Descriptions and Key Signatures, Level III/IV.

¹⁴ In cities where there were fewer than 40 workplaces listed in the South Coast Air Quality Management’s Rule 2202 database or in Infogroup’s commercially available business database, fewer than 40 workplaces are listed. Workplaces that may be significant but that are not listed in the Rule 2202 database or the Infogroup ranking, or that are listed as having more than 250 employees in Infogroup’s ranking but that are not listed in the Rule 2202 database, are listed separately.

¹⁵ http://www.scag.ca.gov/modeling/pdf/MVS08/MVS08_Chap05.pdf

¹⁶ <http://www.scag.ca.gov/modeling/index.htm>

traveling to work on weekdays from 6:00 a.m. to 9:00 a.m. It is important to note that these morning peak destination TAZs receive vehicles from outside the city.

Table: Top Multi-Unit Dwellings

The top 20 MUDs are listed in each city¹⁷ by number of units. Unlike the American Community Survey estimates used in the land use inventories, this parcel analysis considers MUDs to be developments with shared parking facilities (as opposed to individual attached garages). Efforts were made to exclude developments that are considered MUDs for tax assessment purposes but that otherwise closely resemble single-family homes in their parking arrangements. Data was obtained from the Los Angeles County Assessor's 2007 Secured Basic File Abstract. Property use codes indicating a range from single-family (including condominium) to five or more housing units were sorted by the number of units on the parcel. Properties were then verified as MUDs for the purposes of this analysis using Google Street View. Average unit value for non-condos was obtained by totaling assessed land and improvement value for each parcel and dividing by the number of units. For condos, the given unit value represents one example value from a unit on the property. PEV density is defined as "high" if at least 13 PEVs are registered in the travel analysis zone (TAZ) where the MUD is located. PEV density is defined as "medium" if 6-12 PEVs are registered in the TAZ. A PEV registration density from 0-5 is left blank.

Table: Top Retailers

The top 40 retailers in each city are listed by annual retail sales (in thousands) as reported by Infogroup's 2008 database. Significant retailers not listed in Infogroup's database are also listed separately. Also separated are gas stations with high sales volume that may be good candidates to host fast charging at a point in time when PEVs can be fueled as quickly as conventional vehicles.

Retailers are defined as businesses classified under the following NAICS descriptions: retail trade; arts, entertainment and recreation; accommodation and food services; and other services (i.e., dry cleaners and beauty salons). . PEV density is defined as "high" if at least 13 PEVs are parked in the travel analysis zone (TAZ) where the retailer is located between 9:00 a.m. and 3:00 p.m. PEV density is defined as "medium" if 6-12 PEVs are parked in the TAZ during those hours. A PEV density from 0-5 is left blank.

¹⁷ Rolling Hills and Rolling Hills Estates have been omitted from the MUD parcel analysis due to a lack of units that could be verified as MUDs according to our criteria.