Employment in the San Diego region
City of Carlsbad
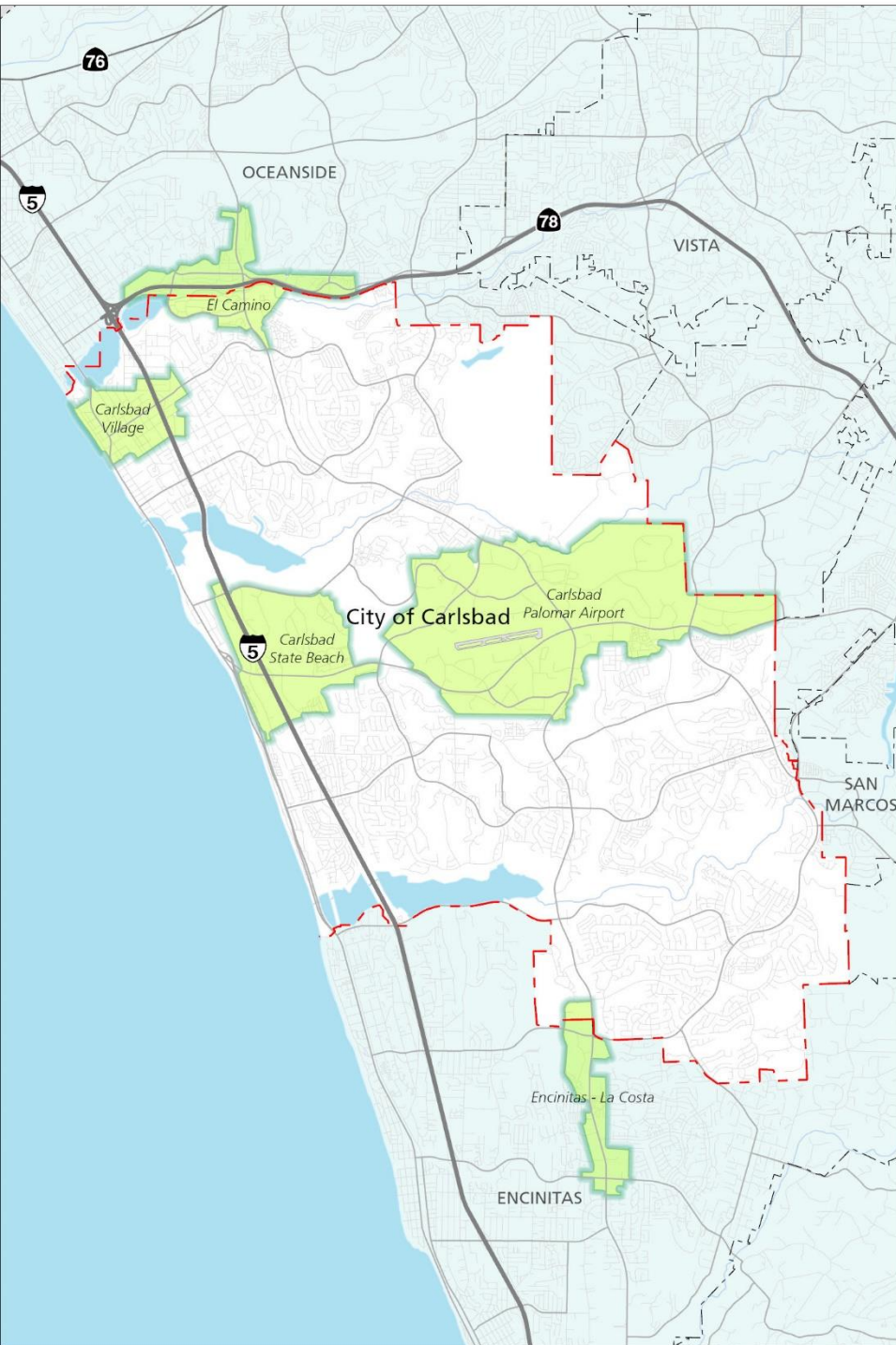
Fast facts

City of Carlsbad	
75,912	employees
5.0%	region's employees
39.1	land area (square miles)
1,941.0	employees per square mile

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SANDAG

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Background

The San Diego region is a growing and dynamic place to live and work. As the community, policy makers, and other stakeholders collaborate regarding how we create transportation options for our residents that are competitive and environmentally responsible, it is essential we utilize the data we have regarding where people live and work to invest in strategies that will best serve our communities.

In spring 2019, the Data, Analytics, and Modeling Department of SANDAG applied data analytics to multiple data sources to better understand where employment centers are in the region, where the employees in these areas commute from, and what their commutes look like. The result of this analysis were packets describing over 70 employment centers across the San Diego region.

As a next step in this series, this packet describes employment in the **City of Carlsbad**, including maps showing where individuals who work in the City of Carlsbad live and how far they have to travel to get to their places of employment, where residents of Carlsbad travel to work, as well as a map that shows all of the travel to and from the City of Carlsbad regardless if for work, recreation, or any other reason. SANDAG 2018 demographic and socioeconomic estimates for the population of Carlsbad are included (Appendix B), as are the 5 packets for employment centers located all or partially in the City of Carlsbad (as shown in the red outline on the cover of this packet and Appendix C). Because employment centers can cross jurisdictional boundaries and not all the employees in a jurisdiction are included in an employment center, it is important to note the number of employees in these 5 employment centers will not total the number of employees in a jurisdiction.

Because the data shared here are analyzed specifically for the purposes of these analyses, it is important to note that these results may differ from other sources. Additional information regarding the data sources and important factors to consider when interpreting this information are provided at the end of this packet (Appendix A).

Industries in this jurisdiction and the region overall

	City of Carlsbad		Region	
	Number of jobs	**Percentage/ rank**	**Number of jobs**	**Percentage/ rank**
Health care and social assistance	**6,845**	**9% (4)**	199,700	13% (1)
Retail trade	**6,907**	**9% (3)**	156,612	10% (2)
Professional, scientific, technical	**9,742**	**13% (2)**	148,766	10% (3)
Food services	5,216	7% (6)	131,594	9% (4)
Manufacturing	**10,585**	**14% (1)**	109,234	7% (5)
Administrative, support, waste services	3,928	5% (8)	91,519	6% (6)
Construction	2,425	3% (12)	83,498	5% (7)
Local government education	2,123	3% (13)	80,300	5% (8)
Other services	2,900	4% (9)	69,124	5% (9)
Finance and insurance	2,828	4% (11)	47,848	3% (10)
Wholesale trade	3,974	5% (7)	46,625	3% (11)
Arts, entertainment, recreation	**5,718**	**8% (5)**	45,639	3% (12)
Real estate, rental, leasing	2,103	3% (14)	38,582	3% (13)
Local government	1,001	1% (19)	37,429	2% (14)
Transportation and warehousing	1,278	2% (17)	36,183	2% (15)
Accommodation	2,844	4% (10)	33,094	2% (16)
Educational services	1,892	3% (15)	32,892	2% (17)
State government education	0	0% (24)	31,600	2% (18)
Information	1,634	2% (16)	26,262	2% (19)
Department of Defense	0	0% (25)	22,500	1% (20)
Management of companies/enterprises	1,211	2% (18)	21,500	1% (21)
Federal government	142	<1% (22)	11,454	1% (22)
Farm	116	<1% (23)	9,000	1% (23)
Utilities	293	<1% (20)	7,208	<1% (24)
State government	207	<1% (21)	7,037	<1% (25)
Mining and logging	0	0% (26)	300	<1% (26)
Total	**75,912**		**1,525,500**	

Source: SANDAG Employment Estimates, 2016

Other statistics about the education level and income of employees in this jurisdiction

25%	**$59,316**	these jobs represent **5.0%**	these incomes represent **4.7%**
have Bachelor's degree or higher (24% region)	mean employee salary ($55,801 region)	of the region's jobs	of regional labor income

Sources: SANDAG Employment Estimates, 2016; LEHD LODES OD, 7.3, 2015

Highlight 3
What mode of transportation employees in this jurisdiction use to get to work during peak period

	Drive alone	Transit	Carpool	Bike	Walk
City of Carlsbad	83%	2%	14%	2%	<1%
Region	80%	4%	13%	2%	1%

Source: SANDAG Activity Based Model, 2016

Highlight 4
How far employees drive on average to get to this jurisdiction during peak period and how long it takes them on average, by transportation mode

	City of Carlsbad		Region	
	Mean number of miles	Mean length of time (Minutes)	Mean number of miles	Mean length of time (Minutes)
Vehicles	10.8	25.3	12.0	25.1
Transit	11.8	91.5	10.7	62.8
Bike	4.7	23.6	4.3	21.6
Walk	1.6	32.0	1.2	23.2

Note: Peak period includes 6:00 a.m. to 8:59 a.m. and 3:30 p.m. to 6:59 p.m.

Source: SANDAG Activity Based Model, 2016

Highlight 5
Where employees travel from to work in the City of Carlsbad

Jurisdiction	Number of workers who travel from jurisdiction to the City of Carlsbad	Percent
Oceanside	9,780	19%
Carlsbad	9,695	19%
San Diego	8,185	16%
Vista	5,427	11%
Unincorporated	5,054	10%
San Marcos	3,713	7%
Escondido	2,910	6%
Encinitas	2,885	6%
Chula Vista	655	1%
Poway	530	1%
El Cajon	360	1%
Solana Beach	314	1%
La Mesa	225	<1%
Santee	199	<1%
National City	169	<1%
Coronado	115	<1%
Imperial Beach	110	<1%
Lemon Grove	78	<1%
Del Mar	43	<1%
Total	**50,447**	

Note: The total number of employees shown here is lower than presented elsewhere because employees who travel from outside the region or have an unknown origin location are excluded and only primary jobs are included.

Source: SANDAG Employment Estimates, 2016; LEHD LODES OD, 7.3, 2015

Map 1
Where do employees in the City of Carlsbad live?

City of Carlsbad
Employee Place of Residence

• 1 dot = 1 Employee

Darker colors indicate higher concentrations of employees

⬭ City of Carlsbad

Source: Longitudinal Employer-Household Dynamics survey, U.S. Census Bureau, 2015

MILES
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0   4   8
KILOMETERS

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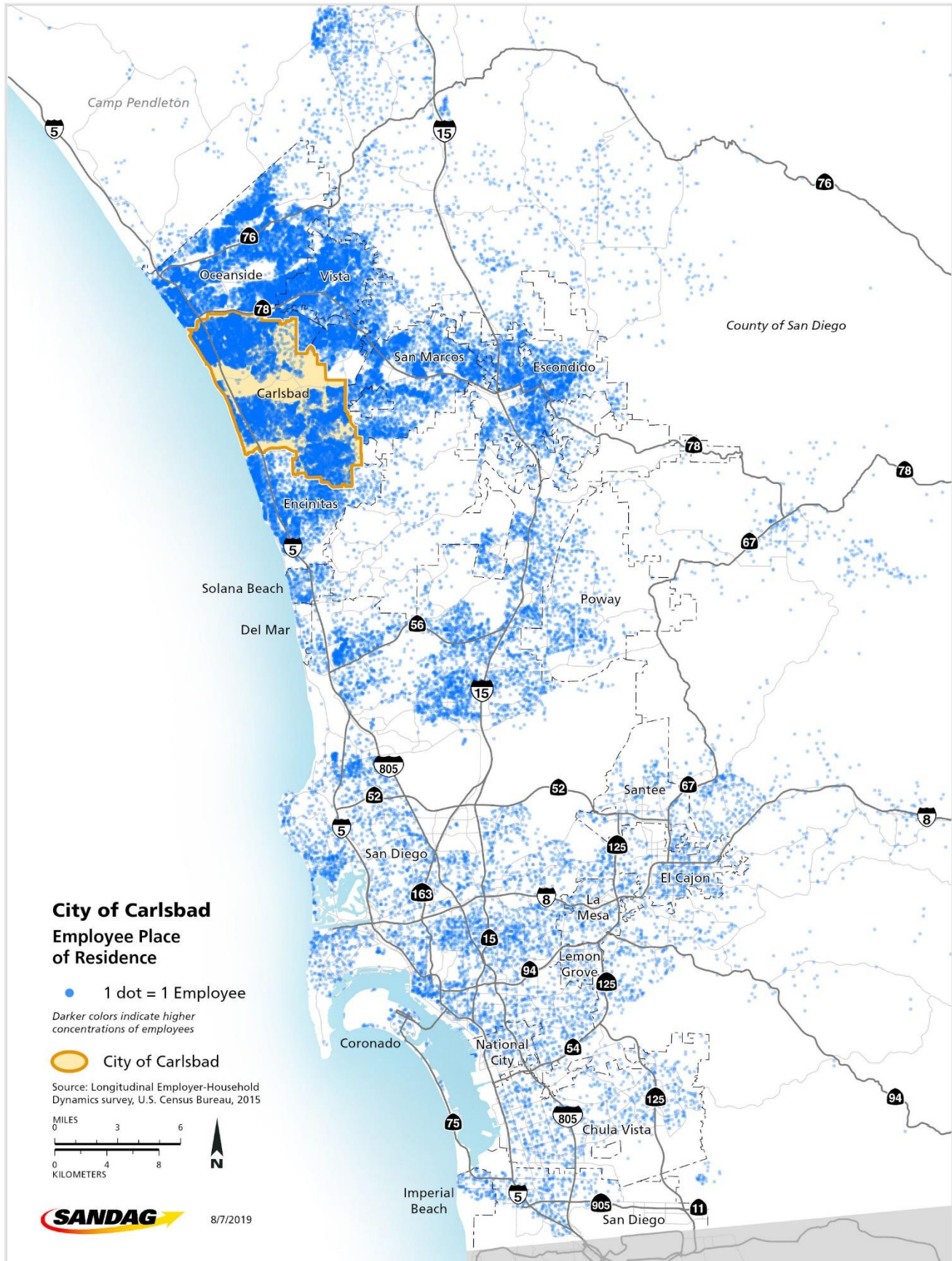
Map 2
Where do residents of Carlsbad work?

City of Carlsbad
Resident Place of Work

● 1 dot = 1 Resident

Darker colors indicate higher concentrations of residents

⬭ City of Carlsbad

Source: Longitudinal Employer-Household Dynamics survey, U.S. Census Bureau, 2015

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Map 3
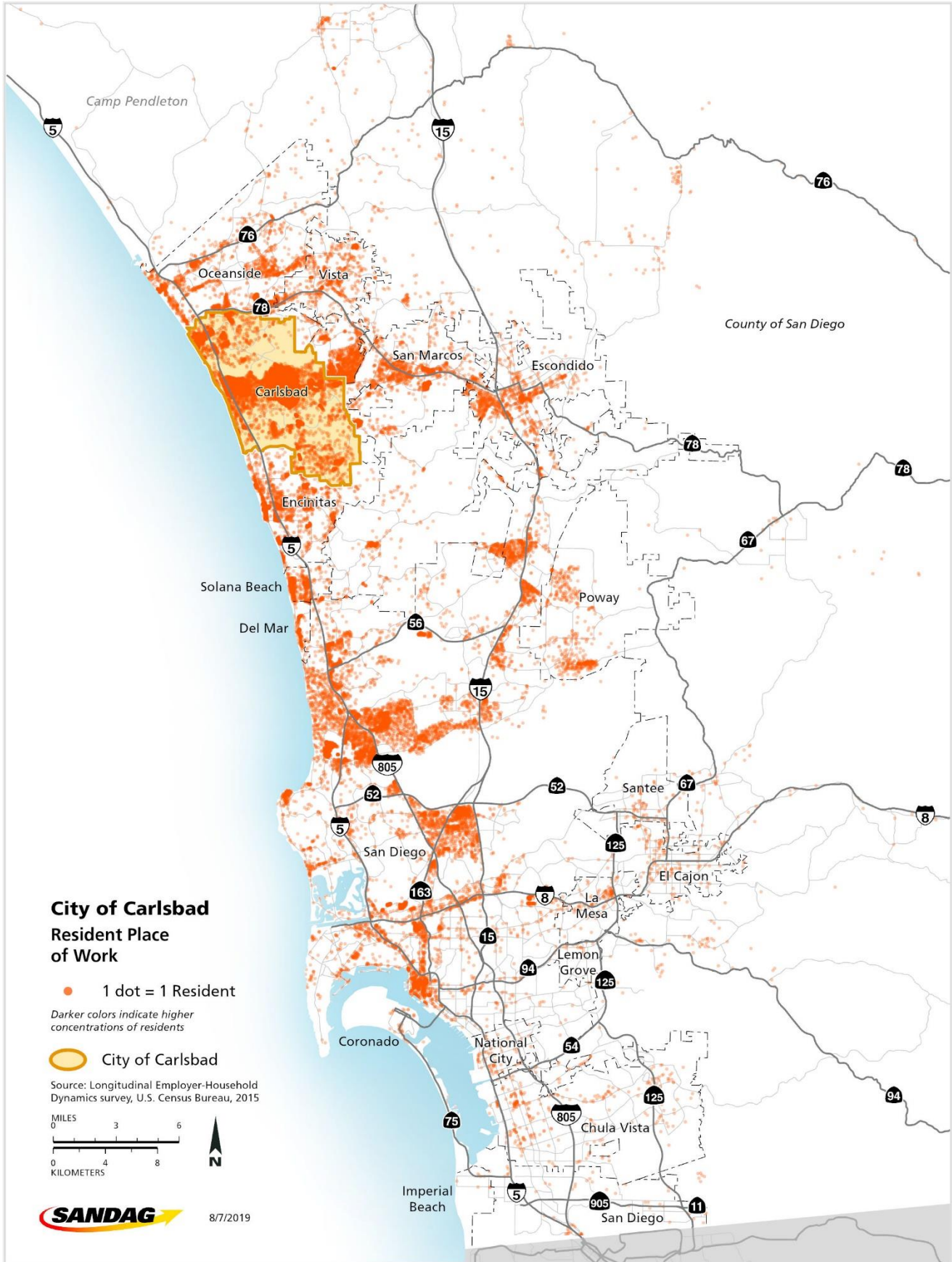
All automobile trips that originate or end in the City of Carlsbad for work, recreation, or any other reason

Camp Pendleton

5

15

76

76

Oceanside   Vista

78

San Marcos   Escondido

County of San Diego

Carlsbad

78

78

Encinitas

67

5

Solana Beach

Del Mar

56

Poway

15

805

52

52   Santee   67

5   San Diego

125   El Cajon   8

163

8   La
Mesa

15

94   Lemon
Grove   125

54

Coronado

National
City

125

94

75

Chula Vista

805

Imperial
Beach   5

905   San Diego   11

**Carlsbad
2016 Estimated Total
Auto Travel Activity**
810,000 origins / destinations

Road utilization of
all vehicle trips that
either begin or end
in Carlsbad

Heavy Utilization   Light Utilization

Carlsbad

Utilization Scale-B:
population between 85,000-200,000

Source: SANDAG Activity Based Model, v14.0.1

MILES
0   3   6

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KILOMETERS

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Appendix A: Jurisdiction employment methodology, data sources, and other things to consider

Methodology

As a supplement to the employment center products and presentations, SANDAG has prepared this packet to showcase jurisdiction employment data. This packet was created using the same source data and methodology as the employment center products. Employment centers represent areas of employment concentration, whereas this packet refers to the jurisdictional employment in whole.

Additional technical information regarding this methodology is available by contacting the Data, Analytics, and Modeling Department at SANDAG.

Data sources and other things to consider

Longitudinal Employer-Household Dynamics (LEHD) Origin-Destination Employment Statistics (LODES) 7.3 (2015)

The Longitudinal Employer-Household Dynamics (LEHD) Origin-Destination Employment Statistics (LODES) data are a publicly available product of the U.S. Census Bureau. The LODES data are an extract of the LEHD infrastructure which is composed of administrative records, census, and survey data. The LODES data provide counts of unemployment insurance-covered wage and salary jobs, including private sector and state, local and some federal government jobs. Workplace location and residential location of an employee is measured at the census block-level (2010). The 2015 data that are used here reflect the latest available data (version 7.3) at the time of this analysis and included two primary tables: Original-Destinations (OD) (used in Highlight 5 and Maps 1 and 2), and Workplace Area Characteristics (WAC) (Highlight 2). It should be noted these data (1) contain wage and salary jobs (and exclude self-employed individuals); (2) do not include military and other security-related federal agencies, postal workers, some employees at nonprofits and religious institutions, and informal workers; (3) only includes an individual's primary job if an individual has more than one; and (4) education attainment includes only workers age 30 or older. Additional information is available at https://lehd.ces.census.gov/data/.

SANDAG Employment Estimates (2016)

On a regular basis, SANDAG produces estimates of employment and individual earnings for the San Diego region. These estimates were used in Fast facts and Highlights 1, 2, and 5. These estimates utilize California Employment Development Department (EDD) data, the Quarterly Census of Employment and Wages (QCEW) data, and the LEHD LODES data from the U.S. Census Bureau among other sources. The employment estimates include wage and salary for private sector and government workers, as well as the self-employed. Uniformed military are not included; however, U.S. Department of Defense (DOD) civilian workers have been assigned to military bases. Tribal government jobs are included where data were available. Additional information regarding these estimates is available by contacting the Economic and Demographic Analysis Modeling team at SANDAG.

SANDAG Population and Housing Estimates (2016)

Each year SANDAG produces estimates of population and housing for the San Diego region. These estimates utilize several data sources including the California Department of Finance, the U.S. Census Bureau, and a variety of other publicly available datasets. These small-area estimates contain information on the characteristics of the population (ethnicity, age, sex) and housing units (occupied, vacant, unoccupiable) in the region. The population living in military barracks, college dorms and other institutional facilities are included in the population and are counted in housing referred to as Group Quarters. The active military population and their dependents who live in households are included in the household population counts. The population and housing estimates are created in a process similar to the Regional Growth Forecast and contain similar information, however the Population and Housing Estimates reflect current conditions. These data are in Appendix B. Additional information regarding these estimates is available by contacting the Economic and Demographic Analysis Modeling team at SANDAG.

SANDAG Activity Based Transportation Model (2016)

To plan and complete regional transportation projects, SANDAG creates and maintains a transportation model which uses a variety of regional transportation survey and socioeconomic and demographic data (e.g., count of trips from home to work, how people carpool, what bus routes are most frequented, and which highways are used and when). These data are then utilized in the Activity Based Model (ABM) to simulate individual and household transportation choices. These choices include how individuals travel around the region (the mode), why people travel around the region (the trip purpose), and when they travel (time of day). The ABM model is refined based on transportation data and expert feedback on methodology and data sources. For this analysis, SANDAG utilized release version 14.0.1 of ABM to estimate travel for the year 2016 (reference scenario #232). Data in both Highlight 3 and 4 are restricted only to transportation trips in the model in which (1) the trip begins at home and ends at work and does not have any intermediary stops (e.g., dropping a child at school); and (2) the trip's purpose is work and (3) the trip start time is during peak periods which are defined as 6:00 a.m. to 8:59 a.m. and 3:30 p.m. to 6:59 p.m. Transit travel time includes walk time to transit stop, initial wait time, in vehicle time, transfer wait time, and walk time to the destination. Map 3 includes all auto trips (work and non-work related) to and from the City of Carlsbad. The margin of error might be larger for small jurisdictions with few work trips and all trips. Additional information about the ABM is available here:
sandag.org/index.asp?subclassid=120&fuseaction=home.subclasshome

Appendix B: Jurisdiction resident profile

Demographic and Socioeconomic Estimates
Jurisdiction
Carlsbad

	Jan 1, 2018
Total Population	**114,622**
Household Population	113,707
Group Quarters Population	915
Persons Per Household	2.60

Housing and Occupancy

	Total Housing Units	Households	Vacancy Rate
Total Housing Units	**46,252**	**43,713**	**5.5%**
Single Family - Detached	25,269	23,967	5.2%
Single Family - Attached	6,383	6,000	6.0%
Multi-Family	13,283	12,551	5.5%
Mobile Home and Other	1,317	1,195	9.3%

Household Income
Households by Income Category (2010 $, adjusted for inflation)

	Less than $15,000	$15,000- $29,999	$30,000- $44,999	$45,000- $59,999	$60,000- $74,999	$75,000- $99,999	$100,000- $124,999	$125,000- $149,999	$150,000- $199,999	$200,000 or more
% of Total	6%	7%	8%	9%	9%	14%	11%	8%	11%	17%

Median Household Income

	2018
Adjusted for Inflation (2010 $)	$95,425
Not adjusted for inflation (current 2017$)	$107,605
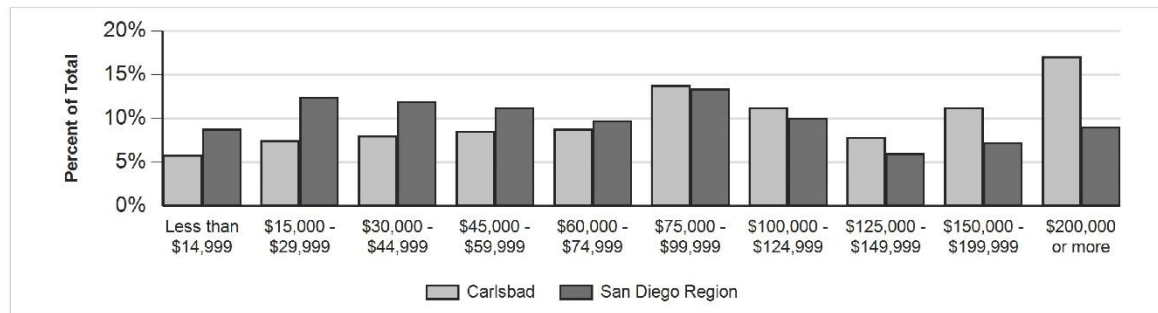
IMPORTANT ADVISORY:

Caution should be taken when using data for small population groups, particularly at small levels of geography. Minor adjustments were made (such as correcting the location of housing units that were erroneously allocated by the Census Bureau to roads and open space) to more accurately reflect the region's true population and housing distribution.

In addition, Census 2010 does not include information about structure type or household income. Those details and other demographic estimates shown here are developed from other sources, including the California Department of Finance E-5 estimates for cities and the County of San Diego; San Diego County Assessor Records, vital events records from the California Department of Health, and income data from the U.S. Census Bureau American Community Survey.

Caution should always be taken when using data for small population groups, particularly at small levels of geography.

Source: SANDAG, Current Estimates
SANDAG
www.sandag.org

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Carlsbad
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Population by Age and Sex

	Total	Male	Female	Percent Female
Total Population	**114,622**	**56,322**	**58,300**	**51%**
Under 5	6,488	3,332	3,156	49%
5 to 9	6,828	3,504	3,324	49%
10 to 14	7,063	3,619	3,444	49%
15 to 17	4,601	2,464	2,137	46%
18 and 19	2,564	1,259	1,305	51%
20 to 24	7,505	3,794	3,711	49%
25 to 29	6,851	3,543	3,308	48%
30 to 34	6,766	3,457	3,309	49%
35 to 39	7,274	3,623	3,651	50%
40 to 44	6,888	3,369	3,519	51%
45 to 49	7,948	3,911	4,037	51%
50 to 54	7,909	3,783	4,126	52%
55 to 59	8,372	4,132	4,240	51%
60 and 61	3,175	1,508	1,667	53%
62 to 64	4,513	2,157	2,356	52%
65 to 69	6,452	3,038	3,414	53%
70 to 74	4,978	2,303	2,675	54%
75 to 79	3,277	1,476	1,801	55%
80 to 84	2,279	961	1,318	58%
85 and older	2,891	1,089	1,802	62%
Under 18	24,980	12,919	12,061	48%
65 and older	19,877	8,867	11,010	55%
Median Age	41.0	39.4	42.6	N/A

Population by Age
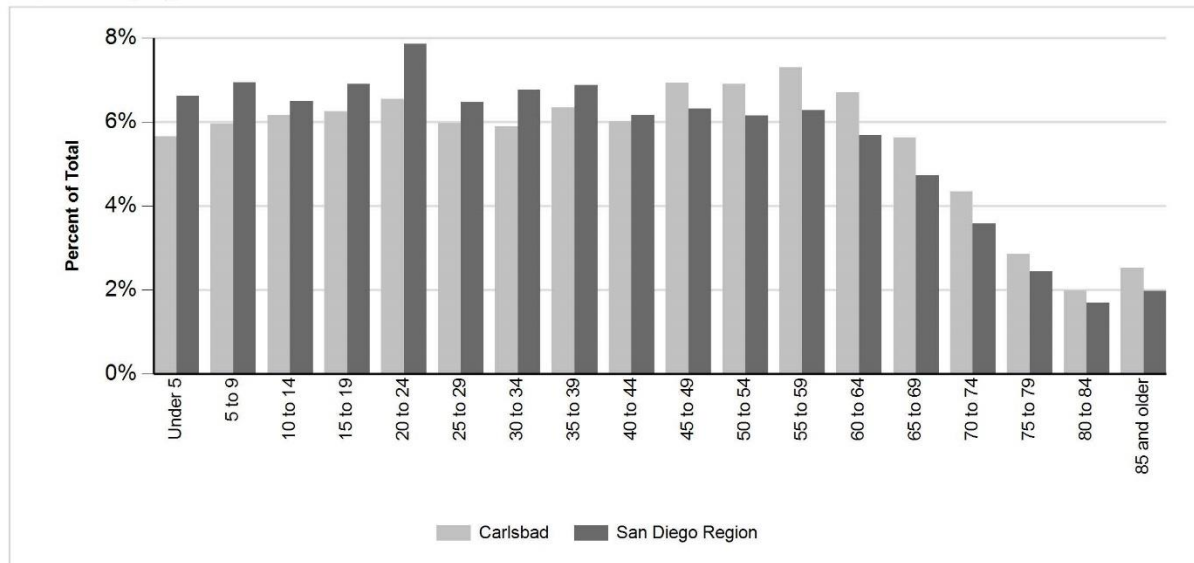
Source: SANDAG, Current Estimates
SANDAG
www.sandag.org

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Population by Race, Ethnicity and Age

| | Hispanic | Non-Hispanic | | | | |
		White	Black	American Indian	Asian & Pacific Isl.	All Other
Total Population	**19,426**	**79,889**	**1,360**	**484**	**9,460**	**4,003**
Under 5	1,805	3,815	83	25	394	366
5 to 9	1,896	3,880	124	27	402	499
10 to 14	1,759	4,063	127	33	535	546
15 to 17	1,094	2,754	95	20	333	305
18 and 19	655	1,487	62	9	183	168
20 to 24	1,613	4,757	135	18	565	417
25 to 29	1,257	4,713	107	26	492	256
30 to 34	1,143	4,731	76	31	567	218
35 to 39	1,317	4,876	81	45	711	244
40 to 44	1,274	4,494	63	45	819	193
45 to 49	1,375	5,383	52	48	904	186
50 to 54	1,174	5,656	71	35	823	150
55 to 59	974	6,487	69	38	651	153
60 and 61	315	2,521	33	15	243	48
62 to 64	387	3,595	51	21	390	69
65 to 69	509	5,332	55	21	471	64
70 to 74	324	4,221	27	15	339	52
75 to 79	234	2,713	21	5	265	39
80 to 84	148	1,875	20	5	216	15
85 and older	173	2,536	8	2	157	15
Under 18	6,554	14,512	429	105	1,664	1,716
65 and older	1,388	16,677	131	48	1,448	185
Median Age	28.5	45.3	27.5	40.9	43.3	21.4

Source: SANDAG, Current Estimates
SANDAG
www.sandag.org

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Appendix C: Employment centers located within the City of Carlsbad

SANDAG

May 2019

Carlsbad Palomar Airport employment center
Tier 2 employment centers in the San Diego region[1]:
An analysis of where people live and work

Highlight 1
Characteristics of this employment center

| **36,055** employees | **5th** largest employment center of the 79 | **4.81** square miles | **7,496** employees per square mile | **0.1%** of employees in this employment center also live in this employment center |

SOURCES: SANDAG Employment Estimates, 2016; LEHD LODES OD, 7.3, 2015

Highlight 2
Industries in this employment center and the region overall

	Carlsbad Palomar Airport employment center		Region	
	Number of jobs	Percentage/ rank	Number of jobs	Percentage/ rank
Health care and social assistance	2,119	6% (4)	199,700	13% (1)
Retail trade	1,606	5% (7)	156,612	10% (2)
Professional, scientific, technical	5,589	16% (2)	148,766	10% (3)
Food services	575	2% (16)	131,594	9% (4)
Manufacturing	10,302	29% (1)	109,234	7% (5)
Administrative, support, waste services	1,814	5% (5)	91,519	6% (6)
Construction	1,518	4% (8)	83,498	5% (7)
Local government education	573	2% (17)	80,300	5% (8)
Other services	841	2% (12)	69,124	5% (9)
Finance and insurance	1,711	5% (6)	47,848	3% (10)
Wholesale trade	3,582	10% (3)	46,625	3% (11)
Arts, entertainment, recreation	1,018	3% (10)	45,639	3% (12)
Real estate, rental, leasing	947	3% (11)	38,582	3% (13)
Local government	0	0% (22)	37,429	2% (14)
Transportation and warehousing	840	2% (13)	36,183	2% (15)
Accommodation	298	1% (18)	33,094	2% (16)
Educational services	580	2% (15)	32,892	2% (17)
State government education	0	0% (23)	31,600	2% (18)
Information	1,235	3% (9)	26,262	2% (19)
Department of Defense	0	0% (24)	22,500	1% (20)
Management of companies/enterprises	783	2% (14)	21,500	1% (21)
Federal government	92	<1% (19)	11,454	1% (22)
Farm	14	<1% (21)	9,000	1% (23)
Utilities	18	<1% (20)	7,208	<1% (24)
State government	0	0% (25)	7,037	<1% (25)
Mining and logging	0	0% (26)	300	<1% (26)
Total	**36,055**		**1,525,500**	

SOURCE: SANDAG Employment Estimates, 2016

[1] This data summary was prepared by SANDAG and is part of an evolving analysis of where people live and work in the San Diego region. Tier 2 employment centers are those between 20,000 and 40,000 employees. For data notes, sources, and qualifications, please visit: sandag.org\employmentcenters. Suggested reference: SANDAG (2019, May). *Tier 2 employment centers in the San Diego region: Carlsbad Palomar Airport employment center*. San Diego, CA: Author.
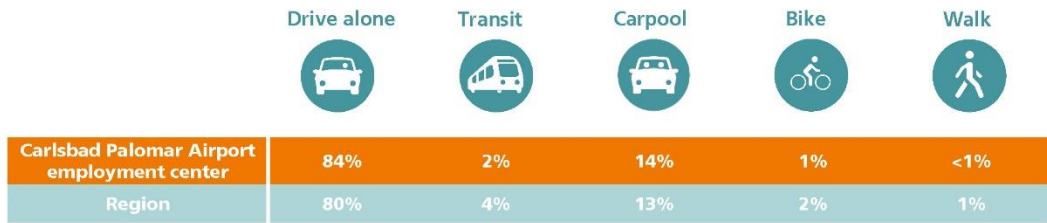
Highlight 3

Other statistics about the education level and income of employees in this employment center

30%
have Bachelor's degree
or higher (24% region)

$79,038
mean employee salary
($55,801 region)

these jobs represent
2.4%
of the region's jobs

these incomes represent
2.8%
of regional labor income

SOURCES: SANDAG Employment Estimates, 2016; LEHD LODES OD, 7.3, 2015

Highlight 4

What mode of transportation these employment center employees use to get to work during peak period?

	Drive alone	Transit	Carpool	Bike	Walk
Carlsbad Palomar Airport employment center	84%	2%	14%	1%	<1%
Region	80%	4%	13%	2%	1%

SOURCE: SANDAG Activity Based Model, 2016

Highlight 5

How far employees drive on average to get to this employment center during peak period and how long it takes them on average, by transportation mode

	Carlsbad Palomar Airport employment center		Region	
	Mean number of miles	Mean length of time (Minutes)	Mean number of miles	Mean length of time (Minutes)
Vehicles	10.5	26.9	12.0	25.1
Transit	11.6	93.8	10.7	62.8
Bike	7.7	38.6	4.3	21.6
Walk	2.2	44.5	1.2	23.2

Note: Peak period includes 6:00 a.m. to 8:59 a.m. and 3:30 p.m. to 6:59 p.m.

Source: SANDAG Activity Based Model, 2016

Highlight 6

What jurisdictions these employment center employees travel from

Jurisdiction	Number of workers in the employment center	Percent
San Diego	4,015	18%
Oceanside	3,976	18%
Carlsbad	3,709	17%
Vista	2,584	12%
Unincorporated	2,271	10%
San Marcos	1,915	9%
Escondido	1,338	6%
Encinitas	1,254	6%
Chula Vista	261	1%
Poway	255	1%
Solana Beach	138	1%
El Cajon	131	1%
La Mesa	77	<1%
Santee	70	<1%
National City	66	<1%
Coronado	54	<1%
Imperial Beach	37	<1%
Lemon Grove	30	<1%
Del Mar	19	<1%
Total	**22,200**	

Note: The total number of employees shown here is lower than presented elsewhere because employees who travel from outside the region or have an unknown origin location are excluded and only primary jobs are included.

Source: SANDAG Employment Estimates, 2016; LEHD LODES OD, 7.3, 2015

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Map 1

Carlsbad Palomar Airport employment center

3

Map 2

Where do Carlsbad Palomar Airport employment center employees live?

Carlsbad Palomar Airport

Employee Place of Residence

• 1 dot = 1 Employee

Darker colors indicate higher concentrations of employees

🟢 Carlsbad Palomar Airport

Source: Longitudinal Employer-Household Dynamics survey, U.S. Census Bureau, 2015

MILES
0   3   6

KILOMETERS
0   4   8

N

SANDAG   7/24/2019
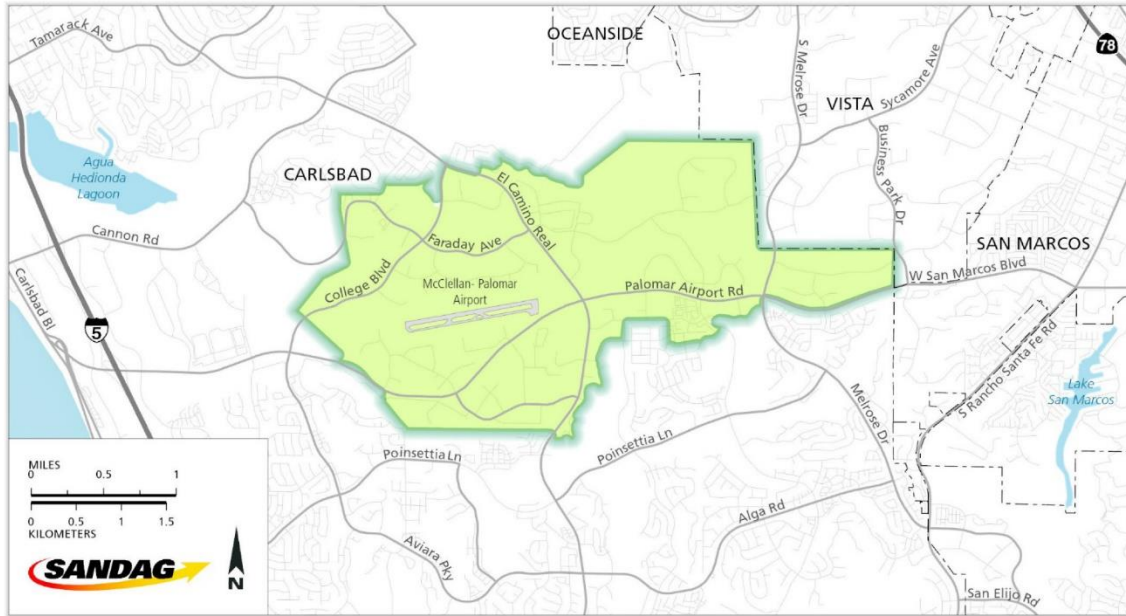
Map 3

How far employees in the Carlsbad Palomar Airport employment center have to travel

**Carlsbad
Palomar Airport**
**Proximity of Employees
by Place of Residence**

Percent of Employees

- 25 %
- 50 %
- 75 %
- 77 %

*23% of employees travel from
outside the San Diego Region*

⬤ Carlsbad Palomar Airport

Source: Longitudinal Employer-Household
Dynamics survey, U.S. Census Bureau, 2015

MILES
0   3   6

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KILOMETERS

N

SANDAG   7/24/2019

5
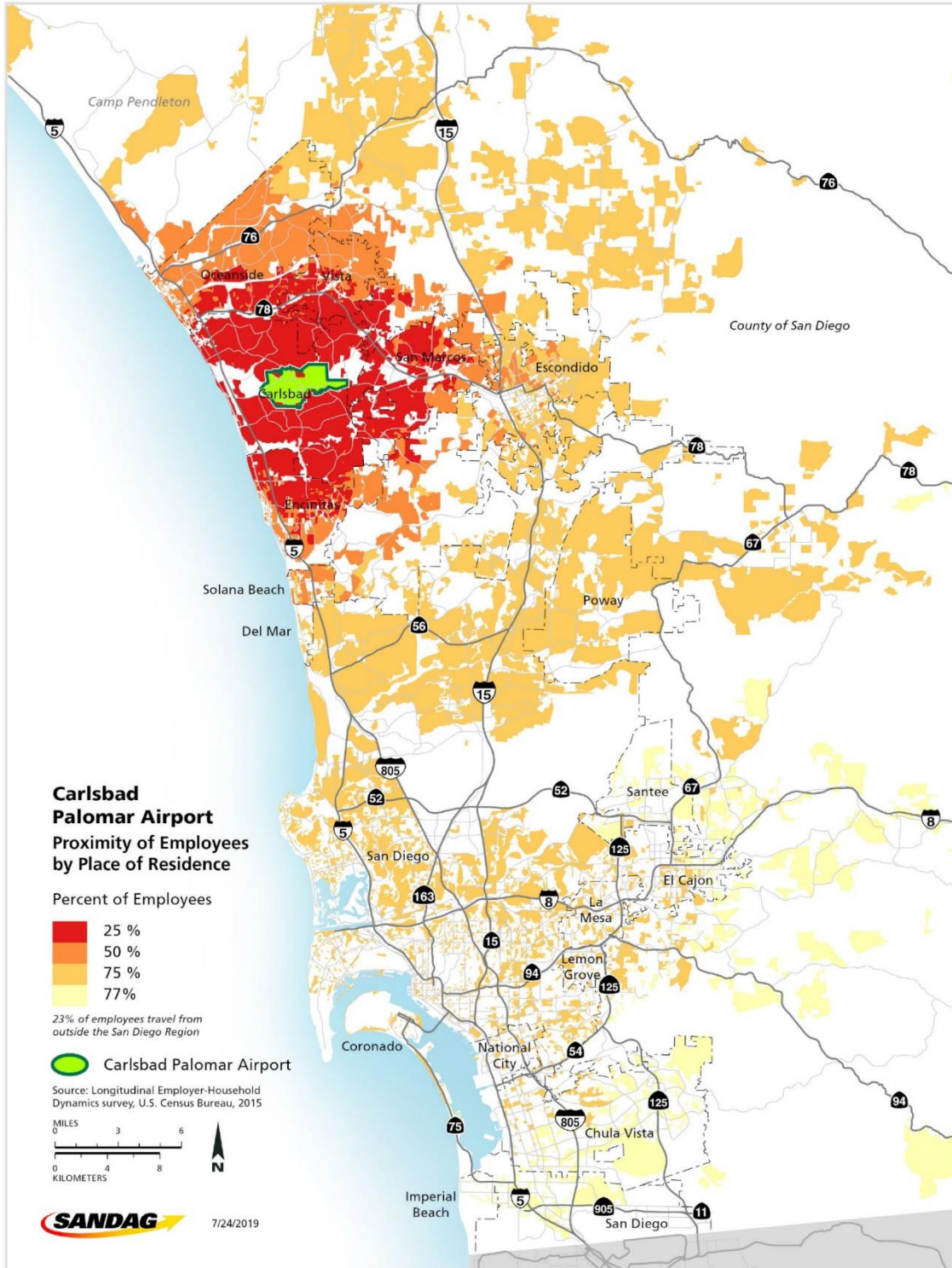
Carlsbad State Beach employment center

Tier 3 employment centers in the San Diego region[1]:
An analysis of where people live and work

Highlight 1
Characteristics of this employment center

15,648 employees	25th largest employment center of the 79	1.55 square miles	10,095 employees per square mile	.1% of employees in this employment center also live in this employment center

Sources: SANDAG Employment Estimates, 2016; LEHD LODES OD, 7.3, 2015

Highlight 2
Industries in this employment center and the region overall

	Carlsbad State Beach employment center		Region	
	Number of jobs	Percentage/ rank	Number of jobs	Percentage/ rank
Health care and social assistance	803	5% (6)	199,700	13% (1)
Retail trade	**3,307**	**21% (1)**	156,612	10% (2)
Professional, scientific, technical	**2,163**	**14% (3)**	148,766	10% (3)
Food services	**1,790**	**11% (4)**	131,594	9% (4)
Manufacturing	207	1% (16)	109,234	7% (5)
Administrative, support, waste services	251	2% (13)	91,519	6% (6)
Construction	333	2% (11)	83,498	5% (7)
Local government education	0	0% (21)	80,300	5% (8)
Other services	786	5% (7)	69,124	5% (9)
Finance and insurance	470	3% (9)	47,848	3% (10)
Wholesale trade	242	2% (14)	46,625	3% (11)
Arts, entertainment, recreation	**2,242**	**14% (2)**	45,639	3% (12)
Real estate, rental, leasing	413	3% (10)	38,582	3% (13)
Local government	0	0% (22)	37,429	2% (14)
Transportation and warehousing	218	1% (15)	36,183	2% (15)
Accommodation	**1,084**	**7% (5)**	33,094	2% (16)
Educational services	667	4% (8)	32,892	2% (17)
State government education	0	0% (23)	31,600	2% (18)
Information	142	1% (18)	26,262	2% (19)
Department of Defense	0	0% (24)	22,500	1% (20)
Management of companies/enterprises	268	2% (12)	21,500	1% (21)
Federal government	50	<1% (19)	11,454	1% (22)
Farm	49	<1% (20)	9,000	1% (23)
Utilities	163	1% (17)	7,208	<1% (24)
State government	0	0% (25)	7,037	<1% (25)
Mining and logging	0	0% (26)	300	<1% (26)
Total	**15,648**		**1,525,500**	

Source: SANDAG Employment Estimates, 2016

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[1] This data summary was prepared by SANDAG and is part of an evolving analysis of where people live and work in the San Diego region. Tier 3 employment centers are those between 15,000 and 19,999 employees. For data notes, sources, and qualifications, please visit: sandag.org\employmentcenters. Suggested reference: SANDAG (2019, May). *Tier 3 employment centers in the San Diego region: Carlsbad State Beach employment center*. San Diego, CA: Author.

Highlight 3

Other statistics about the education level and income of employees in this employment center

22%
have Bachelor's degree
or higher (24% region)

$54,193
mean employee salary
($55,801 region)

these jobs represent
1.0%
of the region's jobs

these incomes represent
1.0%
of regional labor income

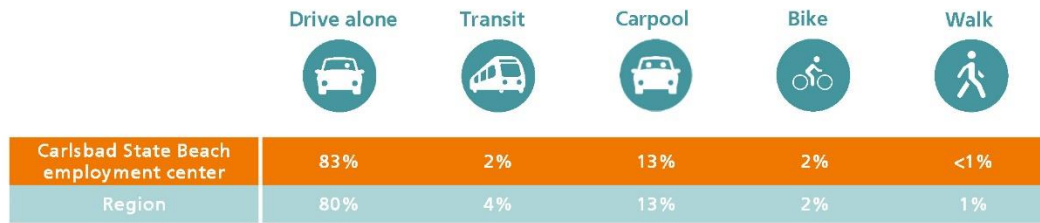*Sources: SANDAG Employment Estimates, 2016; LEHD LODES OD, 7.3, 2015*

Highlight 4

What mode of transportation these employment center employees use to get to work during peak period?

	Drive alone	Transit	Carpool	Bike	Walk
Carlsbad State Beach employment center	83%	2%	13%	2%	<1%
Region	80%	4%	13%	2%	1%

Source: SANDAG Activity Based Model, 2016

Highlight 5

How far employees drive on average to get to this employment center during peak period and how long it takes them on average, by transportation mode

	Carlsbad State Beach employment center		Region	
	Mean number of miles	Mean length of time (Minutes)	Mean number of miles	Mean length of time (Minutes)
Vehicles	11.5	24.8	12.0	25.1
Transit	12.1	97.0	10.7	62.8
Bike	5.6	28.0	4.3	21.6
Walk	2.2	43.7	1.2	23.2

Note: Peak period includes 6:00 a.m. to 8:59 a.m. and 3:30 p.m. to 6:59 p.m.

Source: SANDAG Activity Based Model, 2016
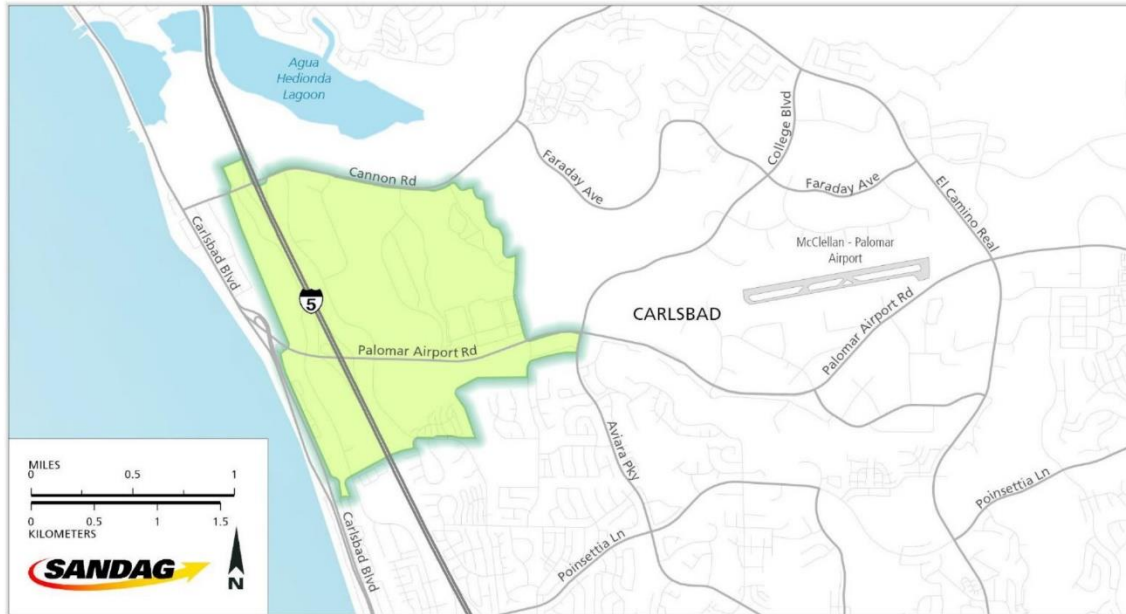
Highlight 6

What jurisdictions these employment center employees travel from

Jurisdiction	Number of workers in the employment center	Percent
Oceanside	1,635	20%
San Diego	1,417	18%
Carlsbad	1,344	17%
Vista	898	11%
Unincorporated	799	10%
San Marcos	584	7%
Encinitas	453	6%
Escondido	449	6%
Chula Vista	101	1%
Poway	92	1%
El Cajon	67	1%
Solana Beach	53	1%
La Mesa	52	1%
Santee	30	<1%
National City	24	<%
Coronado	22	<1%
Lemon Grove	20	<1%
Imperial Beach	18	<1%
Del Mar	9	<1%
Total	**8,067**	

Note: The total number of employees shown here is lower than presented elsewhere because employees who travel from outside the region or have an unknown origin location are excluded and only primary jobs are included.

Source: SANDAG Employment Estimates, 2016; LEHD LODES OD, 7.3, 2015

2

Map 1

Carlsbad State Beach employment center

Carlsbad Village employment center

Tier 4 employment centers in the San Diego region[1]:
An analysis of where people live and work

Highlight 1
Characteristics of this employment center

7,684	46th	.70	10,977	2.6%
employees	largest employment center of the 79	square miles	employees per square mile	of employees in this employment center also live in this employment center

Sources: SANDAG Employment Estimates, 2016; LEHD LODES OD, 7.3, 2015

Highlight 2
Industries in this employment center and the region overall

	Carlsbad Village employment center		Region	
	Number of jobs	Percentage/ rank	Number of jobs	Percentage/ rank
Health care and social assistance	**1,469**	**19% (2)**	199,700	13% (1)
Retail trade	**494**	**6% (5)**	156,612	10% (2)
Professional, scientific, technical	365	5% (6)	148,766	10% (3)
Food services	**1,668**	**22% (1)**	131,594	9% (4)
Manufacturing	22	<1% (18)	109,234	7% (5)
Administrative, support, waste services	281	4% (8)	91,519	6% (6)
Construction	141	2% (14)	83,498	5% (7)
Local government education	0	0% (20)	80,300	5% (8)
Other services	**655**	**9% (4)**	69,124	5% (9)
Finance and insurance	239	3% (10)	47,848	3% (10)
Wholesale trade	78	1% (16)	46,625	3% (11)
Arts, entertainment, recreation	122	2% (15)	45,639	3% (12)
Real estate, rental, leasing	194	3% (12)	38,582	3% (13)
Local government	**1,001**	**13% (3)**	37,429	2% (14)
Transportation and warehousing	147	2% (13)	36,183	2% (15)
Accommodation	306	4% (7)	33,094	2% (16)
Educational services	254	3% (9)	32,892	2% (17)
State government education	0	0% (21)	31,600	2% (18)
Information	38	1% (17)	26,262	2% (19)
Department of Defense	0	0% (22)	22,500	1% (20)
Management of companies/enterprises	3	<1% (19)	21,500	1% (21)
Federal government	0	0% (23)	11,454	1% (22)
Farm	0	0% (24)	9,000	1% (23)
Utilities	0	0% (25	7,208	<1% (24)
State government	207	3% (11)	7,037	<1% (25)
Mining and logging	0	0% (26)	300	<1% (26)
Total	**7,684**		**1,525,500**	

Source: SANDAG Employment Estimates, 2016

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[1] This data summary was prepared by SANDAG and is part of an evolving analysis of where people live and work in the San Diego region. Tier 4 employment centers are those between 2,000 and 14,999 employees. For data notes, sources, and qualifications, please visit: sandag.org\employmentcenters. Suggested reference: SANDAG (2019, May). *Tier 4 employment centers in the San Diego region: Carlsbad Village employment center.* San Diego, CA: Author.
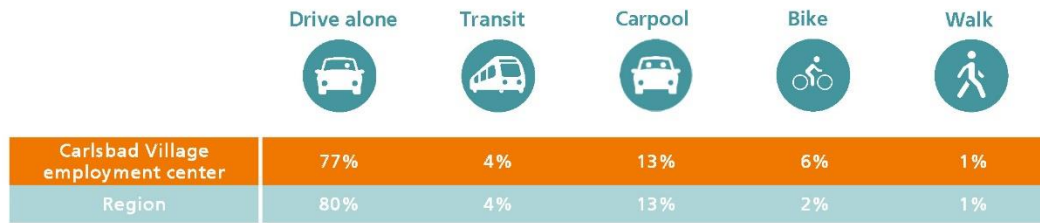
Highlight 3

Other statistics about the education level and income of employees in this employment center

21%
have Bachelor's degree
or higher (24% region)

$35,856
mean employee salary
($55,801 region)

these jobs represent
.5%
of the region's jobs

these incomes represent
.3%
of regional labor income

Sources: SANDAG Employment Estimates, 2016; LEHD LODES OD, 7.3, 2015

Highlight 4

What mode of transportation these employment center employees use to get to work during peak period?

	Drive alone	Transit	Carpool	Bike	Walk
Carlsbad Village employment center	77%	4%	13%	6%	1%
Region	80%	4%	13%	2%	1%

Source: SANDAG Activity Based Model, 2016

Highlight 5

How far employees drive on average to get to this employment center during peak period and how long it takes them on average, by transportation mode

	Carlsbad Village employment center		Region	
	Mean number of miles	Mean length of time (Minutes)	Mean number of miles	Mean length of time (Minutes)
Vehicles	10.3	20.6	12.0	25.1
Transit	11.1	74.8	10.7	62.8
Bike	2.6	13.0	4.3	21.6
Walk	1.2	23.8	1.2	23.2

Note: Peak period includes 6:00 a.m. to 8:59 a.m. and 3:30 p.m. to 6:59 p.m.
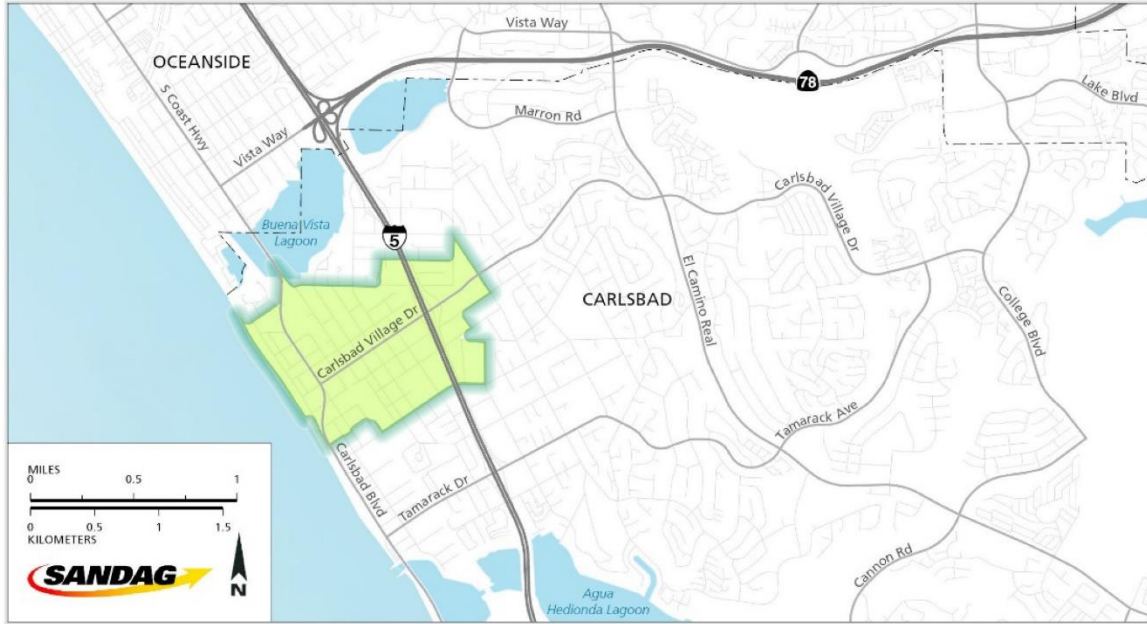
Source: SANDAG Activity Based Model, 2016

Highlight 6

What jurisdictions these employment center employees travel from

Jurisdiction	Number of workers in the employment center	Percent
Carlsbad	1,243	28%
Oceanside	1,164	26%
Vista	429	10%
Unincorporated	418	9%
San Diego	392	9%
San Marcos	207	5%
Encinitas	207	5%
Escondido	189	4%
Chula Vista	44	1%
Poway	34	1%
Solana Beach	27	1%
El Cajon	23	1%
La Mesa	19	<1%
Santee	14	<1%
Imperial Beach	12	<1%
National City	9	<1%
Del Mar	2	<1%
Coronado	2	<1%
Lemon Grove	2	<1%
Total	**4,437**	

Note: The total number of employees shown here is lower than presented elsewhere because employees who travel from outside the region or have an unknown origin location are excluded and only primary jobs are included.

Source: SANDAG Employment Estimates, 2016; LEHD LODES OD, 7.3, 2015

2

Map 1

Carlsbad Village employment center

El Camino employment center

Tier 4 employment centers in the San Diego region[1]:
An analysis of where people live and work

Highlight 1
Characteristics of this employment center

6,816 employees	**51st** largest employment center of the 79	**1.09** square miles	**6,253** employees per square mile	**.4%** of employees in this employment center also live in this employment center

Sources: SANDAG Employment Estimates, 2016; LEHD LODES OD, 7.3, 2015

Highlight 2
Industries in this employment center and the region overall

	El Camino employment center		Region	
	Number of jobs	Percentage/ rank	Number of jobs	Percentage/ rank
Health care and social assistance	**1,123**	**17% (3)**	199,700	13% (1)
Retail trade	**2,353**	**35% (1)**	156,612	10% (2)
Professional, scientific, technical	283	4% (6)	148,766	10% (3)
Food services	**1,470**	**22% (2)**	131,594	9% (4)
Manufacturing	40	1% (14)	109,234	7% (5)
Administrative, support, waste services	**489**	**7% (4)**	91,519	6% (6)
Construction	43	1% (12)	83,498	5% (7)
Local government education	25	<1% (16)	80,300	5% (8)
Other services	223	3% (7)	69,124	5% (9)
Finance and insurance	**304**	**5% (5)**	47,848	3% (10)
Wholesale trade	46	1% (11)	46,625	3% (11)
Arts, entertainment, recreation	196	3% (8)	45,639	3% (12)
Real estate, rental, leasing	65	1% (9)	38,582	3% (13)
Local government	0	0% (19)	37,429	2% (14)
Transportation and warehousing	0	0% (20)	36,183	2% (15)
Accommodation	32	1% (15)	33,094	2% (16)
Educational services	22	<1% (17)	32,892	2% (17)
State government education	0	0% (21)	31,600	2% (18)
Information	55	1% (10)	26,262	2% (19)
Department of Defense	0	0% (22)	22,500	1% (20)
Management of companies/enterprises	5	<1% (18)	21,500	1% (21)
Federal government	42	1% (13)	11,454	1% (22)
Farm	0	0% (23)	9,000	1% (23)
Utilities	0	0% (24)	7,208	<1% (24)
State government	0	0% (25)	7,037	<1% (25)
Mining and logging	0	0% (26)	300	<1% (26)
Total	**6,816**		**1,525,500**	

Source: SANDAG Employment Estimates, 2016

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[1] This data summary was prepared by SANDAG and is part of an evolving analysis of where people live and work in the San Diego region. Tier 4 employment centers are those between 2,000 and 14,999 employees. For data notes, sources, and qualifications, please visit: sandag.org\employmentcenters. Suggested reference: SANDAG (2019, May). *Tier 4 employment centers in the San Diego region: El Camino employment center*. San Diego, CA: Author.
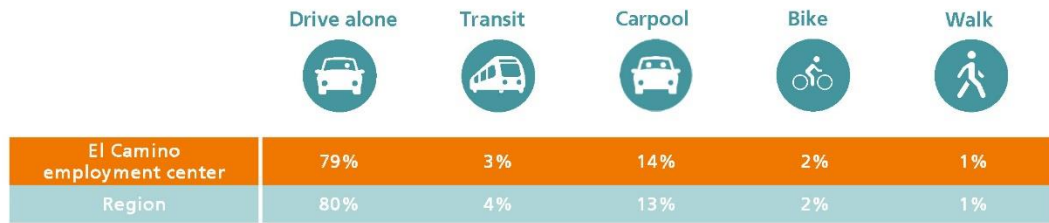
Highlight 3

Other statistics about the education level and income of employees in this employment center

14%
have Bachelor's degree or higher (24% region)

$29,886
mean employee salary ($55,801 region)

these jobs represent
.5%
of the region's jobs

these incomes represent
.3%
of regional labor income

Sources: SANDAG Employment Estimates, 2016; LEHD LODES OD, 7.3, 2015

Highlight 4

What mode of transportation these employment center employees use to get to work during peak period?

	Drive alone	Transit	Carpool	Bike	Walk
El Camino employment center	79%	3%	14%	2%	1%
Region	80%	4%	13%	2%	1%

Source: SANDAG Activity Based Model, 2016

Highlight 5

How far employees drive on average to get to this employment center during peak period and how long it takes them on average, by transportation mode

	El Camino employment center		Region	
	Mean number of miles	Mean length of time (Minutes)	Mean number of miles	Mean length of time (Minutes)
Vehicles	8.9	19.4	12.0	25.1
Transit	8.7	68.1	10.7	62.8
Bike	4.2	21.0	4.3	21.6
Walk	1.4	28.0	1.2	23.2

Note: Peak period includes 6:00 a.m. to 8:59 a.m. and 3:30 p.m. to 6:59 p.m.

Source: SANDAG Activity Based Model, 2016

Highlight 6

What jurisdictions these employment center employees travel from

Jurisdiction	Number of workers in the employment center	Percent
Oceanside	993	27%
San Diego	566	16%
Carlsbad	434	12%
Unincorporated	426	12%
Vista	386	11%
Escondido	249	7%
San Marcos	182	5%
Chula Vista	101	3%
Encinitas	91	3%
El Cajon	61	2%
La Mesa	37	1%
Santee	30	1%
National City	24	1%
Poway	23	1%
Imperial Beach	15	<1%
Solana Beach	14	<1%
Lemon Grove	12	<1%
Coronado	7	<1%
Del Mar	0	0%
Total	**3,651**	

Note: The total number of employees shown here is lower than presented elsewhere because employees who travel from outside the region or have an unknown origin location are excluded and only primary jobs are included.

Source: SANDAG Employment Estimates, 2016; LEHD LODES OD, 7.3, 2015

2

Map 1

El Camino employment center

Encinitas–La Costa employment center

Tier 4 employment centers in the San Diego region[1]:
An analysis of where people live and work

Highlight 1
Characteristics of this employment center

6,524	57th	.63	10,356	.4%
employees	largest employment center of the 79	square miles	employees per square mile	of employees in this employment center also live in this employment center

Sources: SANDAG Employment Estimates, 2016; LEHD LODES OD, 7.3, 2015

Highlight 2
Industries in this employment center and the region overall

	Encinitas–La Costa employment center		Region	
	Number of jobs	Percentage/ rank	Number of jobs	Percentage/ rank
Health care and social assistance	**888**	**14% (3)**	199,700	13% (1)
Retail trade	**2,475**	**38% (1)**	156,612	10% (2)
Professional, scientific, technical	**322**	**5% (5)**	148,766	10% (3)
Food services	**1,384**	**21% (2)**	131,594	9% (4)
Manufacturing	41	1% (14)	109,234	7% (5)
Administrative, support, waste services	193	3% (7)	91,519	6% (6)
Construction	75	1% (10)	83,498	5% (7)
Local government education	0	0% (18)	80,300	5% (8)
Other services	**487**	**8% (4)**	69,124	5% (9)
Finance and insurance	287	4% (6)	47,848	3% (10)
Wholesale trade	35	1% (15)	46,625	3% (11)
Arts, entertainment, recreation	82	1% (8)	45,639	3% (12)
Real estate, rental, leasing	60	1% (11)	38,582	3% (13)
Local government	0	0% (19)	37,429	2% (14)
Transportation and warehousing	80	1% (9)	36,183	2% (15)
Accommodation	0	0% (20)	33,094	2% (16)
Educational services	49	1% (12)	32,892	2% (17)
State government education	0	0% (21)	31,600	2% (18)
Information	43	1% (13)	26,262	2% (19)
Department of Defense	0	0% (22)	22,500	1% (20)
Management of companies/enterprises	19	<1% (16)	21,500	1% (21)
Federal government	0	0% (23)	11,454	1% (22)
Farm	0	0% (24)	9,000	1% (23)
Utilities	4	<1% (17)	7,208	<1% (24)
State government	0	0% (25)	7,037	<1% (25)
Mining and logging	0	0% (26)	300	<1% (26)
Total	**6,524**		**1,525,500**	

Source: SANDAG Employment Estimates, 2016

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[1] This data summary was prepared by SANDAG and is part of an evolving analysis of where people live and work in the San Diego region. Tier 4 employment centers are those between 2,000 and 14,999 employees. For data notes, sources, and qualifications, please visit: sandag.org\employmentcenters. Suggested reference: SANDAG (2019, May). *Tier 4 employment centers in the San Diego region: Encinitas–La Costa employment center*. San Diego, CA: Author.
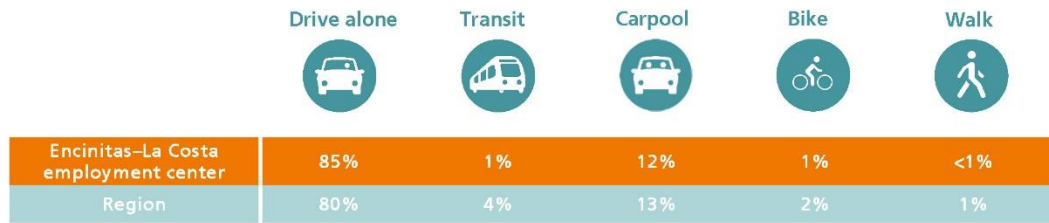
Highlight 3

Other statistics about the education level and income of employees in this employment center

19%
have Bachelor's degree
or higher (24% region)

$34,510
mean employee salary
($55,801 region)

these jobs represent
.4%
of the region's jobs

these incomes represent
.3%
of regional labor income

Sources: SANDAG Employment Estimates, 2016; LEHD LODES OD, 7.3, 2015

Highlight 4

What mode of transportation these employment center employees use to get to work during peak period?

	Drive alone	Transit	Carpool	Bike	Walk
Encinitas–La Costa employment center	85%	1%	12%	1%	<1%
Region	80%	4%	13%	2%	1%

Source: SANDAG Activity Based Model, 2016

Highlight 5

How far employees drive on average to get to this employment center during peak period and how long it takes them on average, by transportation mode

	Encinitas–La Costa employment center		Region	
	Mean number of miles	Mean length of time (Minutes)	Mean number of miles	Mean length of time (Minutes)
Vehicles	12.0	26.5	12.0	25.1
Transit	11.7	84.2	10.7	62.8
Bike	4.9	24.3	4.3	21.6
Walk	1.2	23.9	1.2	23.2

Note: Peak period includes 6:00 a.m. to 8:59 a.m. and 3:30 p.m. to 6:59 p.m.

Source: SANDAG Activity Based Model, 2016

Highlight 6

What jurisdictions these employment center employees travel from

Jurisdiction	Number of workers in the employment center	Percent
San Diego	665	23%
Encinitas	442	16%
Carlsbad	367	13%
Oceanside	346	12%
Unincorporated	268	10%
San Marcos	190	7%
Escondido	190	7%
Vista	168	6%
Poway	44	2%
Chula Vista	42	2%
Solana Beach	37	1%
El Cajon	20	1%
La Mesa	18	1%
Coronado	11	<1%
Santee	11	<1%
National City	9	<1%
Lemon Grove	5	<1%
Imperial Beach	4	<1%
Del Mar	4	<1%
Total	**2,831**	

Note: The total number of employees shown here is lower than presented elsewhere because employees who travel from outside the region or have an unknown origin location are excluded and only primary jobs are included.

Source: SANDAG Employment Estimates, 2016; LEHD LODES OD, 7.3, 2015

2

Map 1

Encinitas–La Costa employment center