



# VENTURA COUNTY

## 2040 GENERAL PLAN UPDATE

### Background Report

Revised Public Review Draft  
January 2018



# **ACKNOWLEDGEMENTS**

## **Board of Supervisors**

Steve Bennett, District 1

Linda Parks, District 2

Kelly Long, District 3

Peter C. Foy, District 4

John C. Zaragoza, District 5

## **Planning Commission**

Phil White, District 1

Nora Aidukas, District 2

W. Stephen Onstot, Chair, District 3

Maggie Kestly, District 4

Richard Rodriguez, Vice Chair, District 5

Cover Photo: County of Ventura

---

**Lead County Staff**

Chris Stephens  
*Resource Management Agency Director*  
Kim Prillhart  
*Planning Division Director*

**General Plan Update Team**

Susan Curtis, Manager - General Plan Update  
Shelley Sussman, Senior Planner  
Clay Downing, Planner I  
Andreas Svennefiord, Planner

**Technical Advisory Committee (TAC)**

Massoud Araghi, Fire Protection District  
Korinne Bell, Deputy Agricultural Commissioner  
David Fleisch, Public Works Agency  
Henry Gonzales, Agricultural Commissioner  
Jackie Griffin, Ventura County Library  
Sue Hughes, County Executive Office  
Ryan Kraai, Fire Protection District  
Lyn Krieger, Harbor Department  
Christy Madden, County Executive Office  
Kevin McGowen, Sheriff's Office  
Todd McNamee, Department of Airports

Bill Nash, County Executive Office  
Jeff Pratt, Public Works Agency  
David Sasek, General Services Agency  
Chris Cooper, Public Works Agency  
Glenn Shepard, Watershed Protection District  
Rigoberto Vargas, Health Care Agency  
Mike Villegas, Air Pollution Control District  
Charles Genkel, Environmental Health Division  
Michaela Brown, Public Works Agency  
Larry Williams, Fire Protection District

**Agricultural Policy Advisory Committee (APAC)**

Scott Deardorf, APAC Member, District 1  
Sanger Hedrick, APAC Member, District 2  
Gordon Kimball, APAC Member, District 3  
Patty Waters, APAC Member, District 4  
Bobby Jones, APAC Member, District 5

**Municipal Advisory Councils (MAC)**

Ojai Valley Municipal Advisory Council, District 1  
Somis Municipal Advisory Council, District 2  
Oak Park Municipal Advisory Council, District 2  
Santa Rosa Valley Municipal Advisory Council, District 2  
Casa Conejo Municipal Advisory Council, District 2  
El Rio/Del Norte Municipal Advisory Council, District 5

**Neighborhood Councils**

Piru Neighborhood Councils, District 3

### Lead Consultants to the County

#### ***Mintier Harnish***

Jim Harnish, JD, Principal

*General Plan Update Project Director*

Bob Lagomarsino, AICP, Project Advisor

*General Plan Update Project Manager*

Brent Gibbons, Associate

Amy Yang, Planner

Renée Funston, Planner

Ryan Lester, Graphics Coordinator

### Supporting Consultants

#### ***Applied Development Economics (ADE)***

Doug Svensson, President

Peter Cheng, Senior Associate

#### ***Ascent Environmental***

Honey Walters, Principal

Erik DeKok, Senior Project Manager

#### ***Kimley-Horn***

Jim Damkowitch, Senior Project Manager

Kelly Andrews, Analyst

#### ***Kennedy Jenks***

Meredith Clement, Water Resources Project Manager

Catrina Paez, Water Resources Specialist

#### ***Moore Iacofano Goltsman (MIG)***

Lisa Brownfield, Director of Planning Services

John Baas, Ph.D., Principal/Environmental Lead

Andy Pendoley, Project Manager/Outreach

#### ***ERM***

Jennifer Lee, Principal

Ashley Rosia-Tremonti, Project Manager

#### ***True North Research, Inc.***

Timothy McLarney, Ph.D., President

# TABLE OF CONTENTS

**Chapter 1: Introduction ..... 1-1**

Section 1.1 What is a General Plan? ..... 1-1

Section 1.2 Using the General Plan ..... 1-2

Section 1.3 Regional Setting and Planning Boundaries ..... 1-4

Section 1.4 Purpose of the Background Report..... 1-7

Section 1.5 Format of the Background Report ..... 1-7

Section 1.6 Organization of the Background Report..... 1-7

**Chapter 2: Demographics and Economics ..... 2-1**

Section 2.1 Population and Household Trends..... 2-1

Section 2.2 Labor Force Patterns..... 2-22

Section 2.3 Regional Market Trends ..... 2-37

Section 2.4 Population and Employment Projections ..... 2-62

Section 2.5 Market Demand Measures for Different Land Uses..... 2-69

**Chapter 3: Land Use..... 3-1**

Section 3.1 Planning Boundaries..... 3-1

Section 3.2 Local Agency Formation Commission (LAFCo) and Spheres of Influence ..... 3-6

Section 3.3 Annexation and Development Trends ..... 3-12

Section 3.4 Existing Assessor Land Use Categories ..... 3-23

Section 3.5 General Plan and Area Plan Land Use Designations..... 3-28

Section 3.6 Existing Zoning ..... 3-74

Section 3.7 Development Holding Capacity and Remaining Development Potential ..... 3-92

Section 3.8 City General Plans ..... 3-105

Section 3.9 Other Agency Plans ..... 3-111

Section 3.10 Military Institutions and Installations..... 3-117

Section 3.11 Disadvantaged Unincorporated Communities..... 3-122

Appendix 3.A Holding Capacity and Remaining Development Methodology ..... 3-133

Appendix 3.B Non-Coastal Zoning Ordinance Article 5 and Coastal Zoning Ordinance  
Article 4 ..... 3-139

**Chapter 4: Health and Well-Being..... 4-1**

Section 4.1 A Healthy Community Model ..... 4-1

Section 4.2 Food Security and Food Environment..... 4-13

Section 4.3 Socioeconomic Status and Economic Opportunity ..... 4-28

# Acknowledgements/Table of Contents

---

2040 General Plan

Section 4.4 Active and Healthy Living .....	4-35
<b>Chapter 5: Housing.....</b>	<b>5-1</b>
<b>Chapter 6: Transportation and Mobility.....</b>	<b>6-1</b>
Section 6.1 Roadway and Functional Classifications.....	6-1
Section 6.2 Level of Service and Vehicle Miles of Travel.....	6-22
Section 6.3 Active Transportation.....	6-36
Section 6.4 Transit Service.....	6-48
Section 6.5 Goods Movement .....	6-57
Section 6.6 Aviation Facilities and Service.....	6-68
Section 6.7 Transportation Demand and System Management.....	6-73
Section 6.8 Programmed Transportation Improvements .....	6-83
<b>Chapter 7: Public Facilities, Services, and Infrastructure.....</b>	<b>7-1</b>
Section 7.1 Wastewater Collection and Treatment .....	7-1
Section 7.2 Storm Drainage and Flood Protection .....	7-17
Section 7.3 Solid and Hazardous Waste Disposal and Recycling.....	7-26
Section 7.4 Utilities .....	7-46
Section 7.5 Law Enforcement .....	7-66
Section 7.6 Fire Protection .....	7-73
Section 7.7 Emergency Services .....	7-78
Section 7.8 Health Care Services .....	7-83
Section 7.9 Schools and Childcare.....	7-97
Section 7.10 Library Services.....	7-118
Section 7.11 Parks and Recreation .....	7-123
<b>Chapter 8: Natural Resources .....</b>	<b>8-1</b>
Section 8.1 Air Quality.....	8-1
Section 8.2 Biological Resources .....	8-24
Section 8.3 Scenic Resources .....	8-60
Section 8.4 Mineral Resources .....	8-71
Section 8.5 Energy Resources .....	8-80
Section 8.6 Cultural, Historical, Paleontological, and Archaeological Resources .....	8-87
Section 8.7 Appendices .....	8-100
<b>Chapter 9: Agriculture.....</b>	<b>9-1</b>
Section 9.1 Agricultural Resources .....	9-1

Section 9.2 Agricultural Production .....9-19

Section 9.3 Agricultural Policies and Programs .....9-41

Appendix 9.A Important Farmland Mapping Conversion Rate Tables .....9-61

**Chapter 10: Water Resources..... 10-1**

Section 10.1 Major Findings .....10-1

Section 10.2 Legal and Regulatory Framework for Water Management .....10-4

Section 10.3 Integrated Regional Water Management .....10-19

Section 10.4 Existing Conditions .....10-20

Section 10.5 Trends and Future Conditions .....10-61

Section 10.6 Key Terms .....10-62

Section 10.7 References .....10-64

Appendix 10.A: SGMA/California Government Code .....10-67

**Chapter 11: Hazards and Safety ..... 11-1**

Section 11.1 Geologic and Seismic Hazards .....11-1

Section 11.2 Flood Hazards.....11-20

Section 11.3 Wildfire Hazards .....11-45

Section 11.4 Aviation Hazards .....11-54

Section 11.5 Hazardous Materials .....11-64

Section 11.6 Noise and Vibration.....11-79

**Chapter 12: Climate Change ..... 12-1**

Section 12.1 Greenhouse Gas Emissions .....12-1

Section 12.2 Climate Change Effects .....12-19

## LIST OF TABLES

Table 2-1 Population and Age Distribution: 2010 to 2016 Ventura County, Incorporated and Unincorporated Areas.....2-5

Table 2-2 Population and Age Distribution: 2010 to 2016 Unincorporated Ventura County Planning Areas .....2-6

Table 2-3 Population and Age Distribution: 2010 to 2016 Unincorporated Ventura County Census Designated Places.....2-7

Table 2-4 Population by Race and Ethnicity: 2016 Ventura County, Incorporated and Unincorporated Areas .....2-8

Table 2-5 Population by Race and Ethnicity: 2016 Unincorporated Ventura County Planning Area .....2-9



## Acknowledgements/Table of Contents

---

### 2040 General Plan

Table 2-6	Population by Race and Ethnicity: 2016 Unincorporated Ventura County Planning Area .....	2-10
Table 2-7	Household Growth and Income Distribution: 2010 to 2016 Ventura County, Incorporated and Unincorporated Areas .....	2-12
Table 2-8	Household Growth and Income: 2010 to 2016 Trend Ventura County Planning Areas and Census Designated Places (Unincorporated Only) .....	2-13
Table 2-9	Median Household Income: 2014 (Five-Year Average) California, Ventura County, Cities, And Census Designated Places .....	2-14
Table 2-10	Poverty Rate: 2014 (Five-Year Average) California, Ventura County, Cities, and Census Designated Places .....	2-15
Table 2-11	Educational Attainment: 2010 to 2014 Five-Year Averages Ventura County, Incorporated and Unincorporated Areas .....	2-18
Table 2-12	Educational Attainment: 2010 to 2014 Five-Year Averages Ventura County Planning Areas (Unincorporated Totals) .....	2-19
Table 2-13	Educational Attainment: 2010 to 2014 Five-Year Averages Ventura County Census Designated Places (Unincorporated Totals) .....	2-20
Table 2-14	Unemployment Rate: 2015 (Annual Average) California, Ventura County, Cities, CDPs .....	2-23
Table 2-15	Labor Force by Occupation: 2010 to 2014 Five-Year Averages .....	2-24
Table 2-16	Labor Force by Occupation: 2010 to 2014 Five-Year Averages Ventura County Planning Areas (Unincorporated Totals) .....	2-25
Table 2-17	Labor Force by Occupation: 2010 to 2014 Five-Year Averages Ventura County Planning Areas (Unincorporated Totals, Cont.) .....	2-26
Table 2-18	Labor Force by Occupation: 2010 to 2014 Five-Year Averages Unincorporated Ventura County Census Designated Places .....	2-27
Table 2-19	Labor Force by Occupation: 2010 to 2014 Five-Year Averages Unincorporated Ventura County Census Designated Places (Cont.) .....	2-28
Table 2-20	Labor Force by Industry: 2010 to 2014 Five-Year Averages Ventura County, Incorporated And Unincorporated Areas .....	2-31
Table 2-21	Labor Force by Industry: 2010 to 2014 Five-Year Averages Ventura County Planning Areas (Unincorporated Totals) .....	2-32
Table 2-22	Labor Force by Industry: 2010 to 2014 Five-Year Averages Ventura County Planning Areas (Unincorporated Totals, Cont.) .....	2-33
Table 2-23	Labor Force by Industry: 2010 to 2014 Five-Year Averages Unincorporated Ventura County Census Designated Places .....	2-34
Table 2-24	Labor Force by Industry: 2010 to 2014 Five-Year Averages Unincorporated Ventura County Census Designated Places (Cont.) .....	2-35
Table 2-25	Employment Trend: 2002 to 2015 Employment Change Ventura County, Incorporated and Unincorporated Areas .....	2-41
Table 2-26	Employment Trend: 2002 to 2015 Employment Change Ventura County Planning Areas (Unincorporated Totals) .....	2-42

Table 2-27 Employment Trend: 2002 to 2015 Employment Change  
Ventura County Planning Areas (Unincorporated Totals, Cont.).....2-43

Table 2-28 Employment Trend: 2002 to 2015 Employment Change Unincorporated  
Ventura County Census Designated Places.....2-44

Table 2-29 Employment Trend: 2002 to 2015 Employment Change Unincorporated  
Ventura County Census Designated Places (Cont.) .....2-45

Table 2-30 Industry Output Trend: 2007 to 2014, Ventura County .....2-48

Table 2-31 Industry Output Trend: 2007 to 2014, California.....2-49

Table 2-32 Economic Development Indicators: Southern California.....2-50

Table 2-33 Transient Occupancy Tax Trends: 2005 to 2014.....2-54

Table 2-34 Population, Household, and Employment Projections: 2012 to 2040 ,Ventura County  
Incorporated and Unincorporated Areas.....2-63

Table 2-35 Historic Population Growth, Ventura County .....2-64

Table 2-36 Population Projections by Age Group: 2010-2040, Ventura County .....2-65

Table 2-37 Population Projections by Race/Ethnicity: 2010-2040, Ventura County .....2-65

Table 2-38 Employment Projections: 2012-2040 Ventura County.....2-67

Table 2-39 Land Demand to Support Future Employment Growth Projections 2012-2040 .....2-71

Table 2-40 Comparison of Land Supply and Demand, 2012-2040 .....2-73

Table 3-1 Ventura County City Incorporation Dates.....3-13

Table 3-2 Existing Assessor Land Use Categories .....3-24

Table 3-3 Existing General Plan Land Use Designations.....3-29

Table 3-4 Population and Employment Density .....3-33

Table 3-5 Coastal Area Plan/Zoning Designations Consistency Matrix .....3-42

Table 3-6 El Rio/Del Norte Area Plan/Zoning Designations Consistency Matrix .....3-46

Table 3-7 North Ventura Avenue Area Plan/Zoning Designations Consistency Matrix .....3-50

Table 3-8 Oak Park Area Plan/Zoning Designations Consistency Matrix .....3-53

Table 3-9 Ojai Valley Area Plan/Zoning Designations Consistency Matrix .....3-57

Table 3-10 Piru Area Plan/Zoning Designations Consistency Matrix.....3-61

Table 3-11 Thousand Oaks Area Plan/Zoning Designations Consistency Matrix .....3-67

Table 3-12 Lake Sherwood/Hidden Valley Area Plan/Zoning Designations Consistency Matrix ....3-70

Table 3-13 Area Plan Adoptions and Comprehensive Amendments.....3-71

Table 3-14 Non-Coastal Zoning Districts.....3-76

Table 3-15 2005 General Plan/Zoning Designations Consistency Matrix: Non-Coastal  
Zones .....3-81

Table 3-16 Coastal Zoning Districts .....3-86

Table 3-17 Total Residential and Population Holding Capacity .....3-94

Table 3-18 Total Non-Residential and Employment Holding Capacity .....3-95

## Acknowledgements/Table of Contents

---

### 2040 General Plan

Table 3-19	Remaining Residential Development Potential: Parcel-Specific Capacity by Planning Area .....	3-96
Table 3-20	Remaining Residential Development Potential: Parcel-Specific Capacity By Zone .....	3-97
Table 3-21	Vacant OS, AE, RA Parcels with Single-Family Residential Potential .....	3-98
Table 3-22	Remaining Residential Development Potential .....	3-99
Table 3-23	Remaining Commercial and Industrial Employment Potential by Zone.....	3-101
Table 3-24	Remaining Commercial and Industrial Employment Potential by Planning Area .....	3-102
Table 3-25	Population Distribution .....	3-105
Table 3-26	City General Plan Population Holding Capacity .....	3-109
Table 3-27	HUD Affordability Categories .....	3-125
Table 3.A-1	Development Holding Capacity Source Data.....	3-134
Table 3.A-2	Housing Element Development Capacity Sources .....	3-135
Table 3.A-3	Assessor’s Use Codes: Vacant Land .....	3-136
Table 3.A-4	Zoning Classifications: Vacant Land .....	3-136
Table 4-1	Selected Indicators for The Built Environment .....	4-3
Table 4-2	Food Insecurity .....	4-14
Table 5-1	2014-2021 RHNA .....	5-2
Table 5-2	Remaining Housing Need by Income Category .....	5-3
Table 5-3	Housing Program Implementation Status.....	5-5
Table 5-3	Housing Element Requirements .....	5-6
Table 6-1	Roadway Inventory 2014 .....	6-7
Table 6-2	Federally Classified, Non-State Highway Unincorporated County Roadways by Type...6-9	
Table 6-3	Federally Classified Unincorporated County Roadways.....	6-9
Table 6-4	CMP Network Roadways .....	6-13
Table 6-5	State Highway Designations.....	6-16
Table 6-6	Roadway Inventory .....	6-23
Table 6-7	Level of Service Descriptions .....	6-24
Table 6-8	Minimum Acceptable Level of Service.....	6-25
Table 6-9	ADT/LOS Thresholds .....	6-26
Table 6-10	Level of Service.....	6-26
Table 6-11	Freeways ADT/LOS Thresholds .....	6-31
Table 6-12	LOS on Freeway/Multi-Lane Highway State Facilities .....	6-31
Table 6-13	Breakdown of Collisions Based on Characteristics.....	6-33
Table 6-14	Journey To Work Mode Split – Bicycle and Pedestrian.....	6-38

Table 6-15 Unincorporated County Maintained Bikelanes .....6-43

Table 6-16 Journey To Work Mode Split – Transit.....6-49

Table 6-17 Summary of Transit Operators .....6-52

Table 6-18 Summary of Ventura County Transit Services.....6-52

Table 6-19 Operating Summary.....6-54

Table 6-20 Truck Travel on State Highways .....6-62

Table 6-21 Breakdown of Truck Travel on Highways .....6-63

Table 6-22 Freight Shipments by Origin and Mode .....6-64

Table 6-23 Freight Shipments By Destination and Mode.....6-64

Table 6-24 Ventura County Airports .....6-70

Table 6-25 Transportation Department Planned Capital Projects Five-Year Plan  
(FY 2017) .....6-89

Table 6-26 Transportation Department Planned Capital Projects Five-Year Plan  
(FY 2018-2021) .....6-90

Table 6-27 Traffic Impact Mitigation Fee Program CIP: County Roads and Intersections /  
Schedule of Projects .....6-91

Table 6-28 Traffic Impact Mitigation Fee Program CIP: State Highways .....6-93

Table 6-29 Near-Term Project List: FY 2008/09 through FY 2014/15 .....6-94

Table 6-30 Mid-Term Project List: FY 2015/16 through FY 2024/25 .....6-96

Table 6-31 Long-Term Project List: FY 2026/27 through FY 2034/35 .....6-97

Table 6-32 VCTC Adopted STIP Priority List.....6-98

Table 7-1 Wastewater Service Providers .....7-4

Table 7-2 Wastewater Treatment Capacity.....7-11

Table 7-3 Residential Service Areas for Solid Waste Collection Agreements .....7-27

Table 7-4 Landfill Sites .....7-29

Table 7-5 Active Solid Waste Facilities (Excluding Landfill Sites).....7-32

Table 7-6 Hazardous Waste Facilities .....7-36

Table 7-7 Electrical End-Use Consumption (kWH Totals) .....7-47

Table 7-8 Operational Power Facilities .....7-48

Table 7-9 Natural Gas End-Use Consumption .....7-49

Table 7-10 Broadband Consortium of the Pacific Coast, Community Grades .....7-53

Table 7-11 Broadband Consortium of the Pacific Coast, Community Star Ratings.....7-55

Table 7-12 Emergency Medical Providers .....7-80

Table 7-13 Ventura County Health Care Agency Hospitals and Medical Clinics.....7-84

Table 7-14 Hospitals .....7-88

Table 7-15 Long-Term Care Facilities .....7-89

## Acknowledgements/Table of Contents

---

### 2040 General Plan

Table 7-16	Primary Care Clinics .....	7-90
Table 7-17	Specialty Care Clinics—Chronic.....	7-91
Table 7-18	Home Health Agencies and Hospice .....	7-92
Table 7-19	K-12 School Districts and Enrollment.....	7-98
Table 7-20	Private Schools .....	7-110
Table 7-21	Trade and Vocational Schools.....	7-115
Table 7-22	Ventura County Library Branches.....	7-119
Table 7-23	Summary of Open Space Land Area by Organization .....	7-125
Table 7-24	Open Space Lands, Responsible Agencies, and Size .....	7-126
Table 7-25	Regional Recreation System.....	7-137
Table 8-1	Air Quality Monitoring in Ventura County.....	8-5
Table 8-2	Recommendations for Siting New Sensitive Land Uses .....	8-13
Table 8-3	Attainment Status Designations .....	8-14
Table 8-4	Ventura County APCD Recommended Significance Criteria.....	8-19
Table 8-5	Vegetation Communities .....	8-26
Table 8-6	Special-Status Plant Species.....	8-33
Table 8-7	Special-Status Animal Species .....	8-39
Table 8-8	Ambient Air Quality Standards .....	8-100
Table 8-9	Projected Annual Emissions (Tons Per Day) .....	8-102
Table 8-10	Summary of Air Pollutant Concentrations .....	8-103
Table 8-11	Summary of Air Pollutant Concentrations .....	8-104
Table 8-12	Summary of Air Pollutant Concentrations .....	8-105
Table 8-13	Summary of Air Pollutant Concentrations .....	8-106
Table 8-14	Summary of Air Pollutant Concentrations .....	8-107
Table 8-15	AB 2588 Toxic Air Contaminant Facility Inventory.....	8-108
Table 9-1	Soil Associations .....	9-2
Table 9-2	Important Farmland, 2016.....	9-6
Table 9-3	Important Farmland Changes, 2004-2014.....	9-10
Table 9-4	Water Use by Crop Type, 2014.....	9-13
Table 9-5	Projected Water Demand by Subregion .....	9-16
Table 9-6	Agricultural Product Sales Trends, 2010-2014 .....	9-20
Table 9-7	Market Value of Agricultural Products Sold, 2005-2015.....	9-22
Table 9-8	Top Ten Commodity Sales, 2015 .....	9-23
Table 9-9	Ranking of Top Ten Agricultural Crops, 1922-2012 .....	9-24
Table 9-10	Fruit and Nut Crop Acreage, Production, and Values, 2014-2015.....	9-25
Table 9-11	Vegetable Crops' Acreage, Production, and Values, 2014-2015.....	9-26

Table 9-12	Nursery Stock Acreage, Production, and Values, 2014-2015 .....	9-28
Table 9-13	Cut Flowers Acreage, Production, and Values, 2014-2015.....	9-29
Table 9-14	Livestock and Poultry Production and Values, 2014-2015 .....	9-29
Table 9-15	Field Crops Acreage, Production, and Values, 2014-2015 .....	9-30
Table 9-16	Apiary Products and Values, 2013-2015.....	9-30
Table 9-17	Sustainable Agriculture, 2014-2015.....	9-31
Table 9-18	Trends in Field Crops, Vegetables, Fruits and Tree Nuts .....	9-31
Table 9-19	Commodity Production by Crop Grouping .....	9-32
Table 9-20	Organic Farming Ventura County, California 2014-2015.....	9-33
Table 9-21	Minimum Utilization of Land for LCA and FSZA/LCA Contracts .....	9-44
Table 9-22	Threshold of Significance for Loss of Agricultural Soils.....	9-48
Table 9-23	Evaluation for All Non-Agricultural or Non-Agricultural Operations Projects.....	9-49
Table 9.A-1	FMMP Land Use Conversions, 2004-2006.....	9-62
Table 9.A-2	FMMP Land Use Conversions, 2006-2008.....	9-63
Table 9.A-3	FMMP Land Use Conversions, 2008-2010.....	9-64
Table 9.A-4	FMMP Land Use Conversions, 2010-2012.....	9-65
Table 9.A-5	FMMP Land Use Conversions, 2012-2014.....	9-66
Table 9.A-6	FMMP Land Use Conversions, 2014-2016.....	9-67
Table 9.A-7	Acreage by Important Farmland Category, 1984-2016.....	9-68
Table 10-1	Framework for Water Management .....	10-5
Table 10-2	Designated Beneficial Uses in the Ventura River Watershed .....	10-26
Table 10-3	Groundwater Supply Estimates Ventura River Watershed .....	10-28
Table 10-4	Current (2016) Total Water Supply Estimates Ventura River Watershed.....	10-29
Table 10-5	Major Water Suppliers - Ventura River Watershed .....	10-30
Table 10-6	Mutual Water Companies Ventura River Watershed.....	10-32
Table 10-7	Estimated Ventura River Watershed Demand.....	10-33
Table 10-8	Demand Management Measures in Ventura River Watershed.....	10-34
Table 10-9	Designated Beneficial Uses in the Santa Clara River Watershed.....	10-41
Table 10-10	Groundwater Supply Estimates, Santa Clara River Watershed.....	10-44
Table 10-11	Current (2016) Estimate of Supply, Santa Clara River WaterShed .....	10-45
Table 10-12	Major Water Suppliers, Santa Clara River Watershed.....	10-46
Table 10-13	Estimated Santa Clara River Watershed Demand .....	10-48
Table 10-14	Demand Management Measures in Santa Clara River Watershed.....	10-49
Table 10-15	Designated Beneficial Uses, Calleguas Creek Watershed .....	10-54
Table 10-16	Groundwater Supply Estimates, Calleguas Creek Watershed.....	10-56
Table 10-17	Current (2016) Estimate of Supply, Calleguas Creek Watershed .....	10-57

## Acknowledgements/Table of Contents

### 2040 General Plan

Table 10-18 Major Water Suppliers, Calleguas Creek Watershed .....	10-58
Table 10-19 Estimated Calleguas Creek Watershed Demand .....	10-60
Table 11-1 Major Disaster Declarations for Floods, 1995-2015 .....	11-23
Table 11-2 Dams Under State or Federal Jurisdiction with Inundation Areas .....	11-31
Table 11-3 Tsunami Events .....	11-39
Table 11-4 Ten Largest Ventura County Fires, 1965 through 2015.....	11-47
Table 11-5 Typical Noise Levels.....	11-80
Table 11-6 Human Response to Different Levels of Ground Noise and Vibration.....	11-83
Table 11-7 Summary of Ambient Noise Level Measurements.....	11-84
Table 11-8 Summary of Modeled Existing Traffic Noise Levels.....	11-88
Table 11-9 Summary of Modeled Existing Railroad Noise Levels.....	11-98
Table 11-10 Land Use Compatibility Standards for Community Noise Environment.....	11-101
Table 11-11 Caltrans Recommended Vibration Levels.....	11-102
Table 11-12 2005 Ventura County General Plan Noise Compatibility Standards (Policies 2.16.2)	11-103
Table 11-13 Noise-Sensitive Receptors.....	11-104
Table 11-14 Daytime Construction Activity Noise Threshold Criteria.....	11-105
Table 11-15 Ventura County Airport CLUP: Noise Compatibility Criteria.....	11-107
Table 12-1 California Statewide Greenhouse Gas Emissions Inventory .....	12-4

## LIST OF FIGURES

Figure 1-1 Regional Setting .....	1-6
Figure 2-1 Ventura County Planning Areas .....	2-2
Figure 2-2 Ventura County Census Designated Places.....	2-3
Figure 2-3 Composition of Agricultural Cluster .....	2-52
Figure 3-1 Ventura County Planning Areas .....	3-3
Figure 3-2 City Spheres of Influence .....	3-9
Figure 3-3 Areas of Interest .....	3-10
Figure 3-4 Ventura County Incorporated and Unincorporated Population .....	3-14
Figure 3-5 Ventura County Annexation History.....	3-15
Figure 3-6 Ventura County Greenbelts .....	3-18
Figure 3-7 Unincorporated Land Subject to SOAR .....	3-20
Figure 3-8 Existing Assessor Land Use Categories .....	3-25
Figure 3-9 Existing General Plan Land Use Designations – Countywide .....	3-31
Figure 3-10 Existing General Plan Land Use Designations – Southern Half .....	3-32
Figure 3-11 Existing Communities.....	3-34



Figure 3-12 Overview of Area Plans .....3-36

Figure 3-13 Coastal Area Plan: Northern Portion .....3-39

Figure 3-14 Coastal Area Plan: Central Portion .....3-40

Figure 3-15 Coastal Area Plan: Southern Portion .....3-41

Figure 3-16 El Rio/Del Norte Area Plan .....3-45

Figure 3-17 North Ventura Avenue Area Plan .....3-49

Figure 3-18 Oak Park Area Plan.....3-52

Figure 3-19 Ojai Valley Area Plan .....3-56

Figure 3-20 Piru Area Plan .....3-59

Figure 3-21 Piru Area Plan: Central Portion .....3-60

Figure 3-22 Saticoy Area Plan.....3-63

Figure 3-23 Thousand Oaks Area Plan.....3-66

Figure 3-24 Lake Sherwood/Hidden Valley Area Plan .....3-69

Figure 3-25 Non-Coastal Zoning Districts: Northeast Portion .....3-82

Figure 3-26 Non-Coastal Zoning Districts: Northwest Portion.....3-83

Figure 3-27 Non-Coastal Zoning Districts: Southeast Portion .....3-84

Figure 3-28 Non-Coastal Zoning Districts: Southwest Portion.....3-85

Figure 3-29 Coastal Zoning Districts: Northern Portion .....3-88

Figure 3-30 Coastal Zoning Districts: Central Portion .....3-89

Figure 3-31 Coastal Zoning Districts: Southern Portion .....3-90

Figure 3-32 Military Institutions and Installations .....3-119

Figure 4-1 Leading Causes of Death.....4-4

Figure 4-2 Ventura County Public Health Model for a Healthy Community .....4-5

Figure 4-3 What Do You Think Makes a Healthy Community? .....4-8

Figure 4-4 What Do You Think are the Three Most Important Health Problems in our Community?4-8

Figure 4-5 What Do You Think are the Most Important Risky Behaviors in our Community? .....4-9

Figure 4-6 How Would You Rate Ventura County as a Healthy Community? .....4-9

Figure 4-7 Modified Retail Food Environment Index (mRFEI) .....4-18

Figure 4-8 2016 Summer Meal Sites.....4-19

Figure 4-9 Monthly Food Share Community Market Distribution Locations .....4-20

Figure 4-10 Food Pantries .....4-21

Figure 4-11 Certified Farmers’ Markets.....4-22

Figure 4-12 Health Disadvantage Index .....4-30

Figure 4-13 Disadvantaged Communities (CalEPA).....4-40



## Acknowledgements/Table of Contents

---

### 2040 General Plan

Figure 5-1	2014-2015 Housing Need Vs. Housing Completion .....	5-3
Figure 6-1	Ventura County Roadway Functional Classification .....	6-3
Figure 6-2	Ventura County Regional Road Network.....	6-4
Figure 6-3	Federal Highway Classifications .....	6-8
Figure 6-4	State Highway System.....	6-14
Figure 6-5	Scenic State Highways .....	6-15
Figure 6-6	Ventura County Hiking Trails .....	6-40
Figure 6-7	Ventura County Bikeway Network .....	6-41
Figure 6-8	Ventura County Transit Network .....	6-51
Figure 6-9	Federal and California Truck Type Designations.....	6-59
Figure 6-10	Ventura County Truck Routes .....	6-60
Figure 6-11	Primary Highway Freight System Routes Serving Port Hueneme .....	6-61
Figure 6-12	Pavement PCI.....	6-76
Figure 6-13	Park-and-Ride Lots .....	6-79
Figure 7-1	Wastewater Districts.....	7-3
Figure 7-2	Watershed Protection District Zones.....	7-20
Figure 7-3	Residential Service Areas for Solid Waste Collection Agreements .....	7-28
Figure 7-4	Landfills.....	7-30
Figure 7-5	Active Solid Waste Facilities Excluding Landfill Sites .....	7-31
Figure 7-6	Consumer Wireline Broadband Availability .....	7-57
Figure 7-7	Business Wireline Broadband Availability .....	7-58
Figure 7-8	Mobile Broadband Availability .....	7-59
Figure 7-9	Consumer Wireline Served Status.....	7-60
Figure 7-10	Mobile Broadband Served Status.....	7-61
Figure 7-11	Sheriff Stations.....	7-70
Figure 7-12	Fire Station Locations .....	7-75
Figure 7-13	Ambulance Zones .....	7-81
Figure 7-14	Medical Clinics and Hospitals .....	7-96
Figure 7-15	School Districts .....	7-99
Figure 7-16	Ventura County Libraries .....	7-121
Figure 7-17	Recreation and Open Space Areas .....	7-134
Figure 8-1	Criteria Air Pollutants and Precursors (Tons per Day).....	8-4
Figure 8-2	Air Quality Monitoring Stations.....	8-6
Figure 8-3	Air Toxics “Hot Spots” .....	8-9
Figure 8-4	Vegetation Communities and Land Cover .....	8-27
Figure 8-5	Critical Habitat .....	8-45

Figure 8-6 Wildlife Corridors .....8-50

Figure 8-7 Scenic Resource Areas .....8-63

Figure 8-8 Scenic State Highways .....8-66

Figure 8-9 Mineral Resource Zones .....8-73

Figure 8-10 Petroleum Resources.....8-75

Figure 8-11 Oil and Gas Wells .....8-82

Figure 9-1 Soil Associations.....9-4

Figure 9-2 Important Farmland Mapping .....9-7

Figure 9-3 Prime Farmland Land Use Conversion 2004-2016.....9-9

Figure 9-4 FMMP Acreage Totals, 2004-2016 .....9-11

Figure 9-5 FMMP Acreage Conversion Data, 1984-2016 .....9-12

Figure 9-6 Agricultural Water Sources, 2013.....9-14

Figure 9-7 Watersheds and Agricultural Areas .....9-15

Figure 9-8 Market Value of Agricultural Products Sold, 2005-2015 .....9-21

Figure 9-9 Number of Farms by Market Value of Agricultural Products Sold, 2012 .....9-36

Figure 9-10 Land Subject to Land Conservation Contracts .....9-43

Figure 9-11 Designated Agricultural Preserves.....9-47

Figure 9-12 Land Subject to SOAR.....9-51

Figure 10-1 Watersheds of Ventura County .....10-22

Figure 10-2 Groundwater Basins Oversight .....10-23

Figure 10-3 Water Suppliers Ventura River Watershed .....10-31

Figure 10-4 Water Suppliers Santa Clara River Watershed .....10-47

Figure 10-5 Water Suppliers Calleguas Creek Watershed .....10-59

Figure 11-1 Faults.....11-5

Figure 11-2 Liquefaction Areas.....11-11

Figure 11-3 Deep-Seated Landslide Areas .....11-15

Figure 11-4 Special Flood Hazard Areas.....11-26

Figure 11-5 Dam Failure Inundation: Countywide.....11-28

Figure 11-6 Dam Failure Inundation: Individual Dams .....11-29

Figure 11-7 VCWPD Provisionally Accredited Levees .....11-34

Figure 11-8 Wildfire Perimeters of Concern .....11-37

Figure 11-9 Tsunami Evacuation Areas .....11-40

Figure 11-10 Wildfires: 1965 to 2015 .....11-48

Figure 11-11 Fire Hazard Severity Zones – State Responsibility Areas (SRA).....11-49

Figure 11-12 Airport Spheres of Influence.....11-55

Figure 11-13 Ambient Noise Measurement locations .....11-87

## Acknowledgements/Table of Contents

---

### 2040 General Plan

Figure 11-14 Oxnard Airport Noise Contours .....	11-109
Figure 11-15 Camarillo Airport Noise Contours .....	11-110
Figure 11-16 Santa Paula Airport Noise Contours .....	11-111
Figure 11-17 NBVC Point Mugu Noise Contours.....	11-112
Figure 12-1 Countywide Greenhouse Gas Emissions .....	12-5
Figure 12-2 Greenhouse Gas Emissions.....	12-6
Figure 12-3 Greenhouse Gas Emissions, County of Ventura Government Operations.....	12-7
Figure 12-4 Sea-Level Rise Map.....	12-25
Figure 12-5 Sea-Level Rise Map (Point Mugu) .....	12-26

*This page is intentionally left blank.*