

# Escondido General Plan Update, Downtown Specific Plan Update, and Climate Action Plan Environmental Impact Report

Volume I - Final Environmental Impact Report  
PHG 09-0020, PHG 10-0016, SCH #2010071064  
April 23, 2012



# Escondido General Plan Update, Downtown Specific Plan Update, and Climate Action Plan

## Environmental Impact Report

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*Volume I – Final Environmental Impact Report*

April 23, 2012

Prepared for



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# Acronyms

AAQS	Ambient Air Quality Standards
AASHTO	State Highway and Transportation Officials
AB	Assembly Bill
ACS	American Community Survey
ADA	Americans with Disabilities Act
ADT	Average Daily Trip
AF	Acre-Feet
AIA	Airport Influence Area
ALS	Advanced Life Support
ALUCPs	Airport Land Use Compatibility Plans
AMI	Area Median Income
AMSL	Above Mean Sea Level
AP	Alquist-Priolo
APCD	Air Pollution Control District
API	Academic Performance Index
AQIA	Air Quality Impact Analysis
ASTs	Aboveground Storage Tanks
AT&SF	Atchison, Topeka and Santa Fe Railroad
ATCM	Airborne Toxic Control Measures
AWM	County of San Diego Department of Agriculture, Weights and Measures
BACT	Best Available Control Technology
BCLA	Biological Core and Linkage Area
BIA	Bureau of Indian Affairs
BLM	Bureau of Land Management
BMPs	Best Management Practices
BRT	Bus Rapid Transit
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
Cal NAGPRA	California Native American Graves Protection and Repatriation Act
CalARP	California Accidental Release Prevention
CalEMA	California Emergency Management Agency
CalFire	California Department of Forestry and Fire Protection
CalGreen	California 2010 Green Building Standards Code
CALINE 4	California Line Source
Caltech	California Institute of Technology

Caltrans	California Department of Transportation
CAO	Cleanup and Abatement Orders
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CBC	California Building Code
CCAA	California Clean Air Act
CCAT	California Climate Action Team
CCR	California Code of Regulations
CDE	California Department of Education
CDFG	California Department of Fish and Game
CDO	Cease and Desist Orders
CEC	California Education Code
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERT	City Emergency Response Team
CESA	California Endangered Species Act
CFC	California Fire Code
CFCP	California Farmland Conservancy Program
CFCs	Chlorofluorocarbons
CFR	Code of Federal Regulations
CH <sub>4</sub>	Methane
CHHSLs	California Human Health Screening Levels
CHL	California Historic Landmark
CHRIS	California Historical Resources Information System
CIP	Capital Improvement Program
City	City of Escondido
CIWMB	California Integrated Waste Management Board
CMP	Congestion Management Program
CNDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNG	Compressed Natural Gas
CNRA	California Natural Resources Agency
CO	Carbon Monoxide
CO <sub>2</sub>	Carbon Dioxide
COA	Certificate of Appropriateness
COPPS	Community Oriented Policing and Problem Solving
CPUC	California Public Utility Commission
CRHR	California Register of Historical Resources
CUPA	Certified Unified Program Agency

CUWCC	California Urban Water Conservation Council
CWA	Clean Water Act
CWPP	Community Wildfire Protection Plan
°F	Degrees Fahrenheit
DACs	District Area Commanders
dB or dBA	Decibels
DEH	Department of Environmental Health
DEH-HIRT	Department of Environmental Health, Hazardous Incident Response Team
DFFP	Department of Forestry and Fire Protection
DOA	Division of Aeronautics
DOC	California Department of Conservation
DOD	Department of Defense
DPM	Diesel Particulate Matter
DSFPD	Deer Springs Fire Protection District
DTSC	California EPA Department of Toxic Substances Control
du	Dwelling Unit
du/acre	Dwelling Units Per Acre
EB	Eastbound
E-CAP	Escondido Climate Action Plan
ECMs	Energy Conservation Measures
ECTs	Emissions Control Technologies
ECWA	Escondido Creek Watershed Alliance
EDD	California Employment Development Department
EFD	Escondido Fire Department
EFFPD	Elfin Forest Fire Protection District
EFHZ	Earthquake Fault Hazard Zone
EHC	Escondido History Center
EHL	Escondido Historical Landmark
EIR	Environmental Impact Report
EMFAC	Emission Factors
EMS	Emergency Medical Services
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning Community Right-to-Know Act
EPD	Escondido Police Department
EPIC	University of San Diego School of Law Energy Policy Initiative Center
EQR	Environmental Quality Regulations
ERCs	Emission Reduction Credits
ERTC	Escondido Research and Technology Center
ESA	Endangered Species Act

EUHSD	Escondido Union High School District
EUSD	Escondido Union School District
EVWTP	Escondido-Vista Water Treatment Plant
EWA	Encina Wastewater Authority
EWWD	Escondido Water and Wastewater Division
FAA	Federal Aviation Administration
FAR	Floor Area Ratio
FEMA	Federal Emergency Management Agency
FHSZs	Fire Hazard Severity Zones
FHWA	Federal Highway Administration
FIRMs	Federal Insurance Rate Maps
FP	Flood Plain
FPA	Focused Planning Area
FRA	Federal Responsibility Areas
FRAP	Fire and Resource Assessment Program
FRM	Federal Reference Method
FRPP	Farm and Ranch Lands Protection Program
FTA	Federal Transit Administration
GDP	Gross Domestic Product
GHG	Greenhouse Gas
GIS	Geographic Information System
GWh	Gigawatt-Hours
H&SC	Health and Safety Code
HAPs	Hazardous Air Pollutants
HARRF	Hale Avenue Resource Recovery Facility
HAs	Hydrologic Areas
HCD	Housing and Community Development
HCFC-22	Chlorodifluoromethane
HCFCs	Hydrochlorofluorocarbons
HCM	Highway Capacity Manual
HCPs	Habitat Conservation Plans
HFCs	Hydrofluorocarbons
HMBP	Hazardous Material Business Plan
HMMP	Hydromodification Management Plan
HOV	High Occupancy Vehicle
HPC	Historic Preservation Committee
HPL	Historic Property Listing
HRA	Health Risk Assessment

HRO	Hillside and Ridgeline Overlay
HS&C	California Health and Safety Code
HU	Hydrologic Unit
HVAC	Heating, Ventilating, And Air Conditioning
Hz	Hertz
I-15	Interstate 15
IBC	International Building Code
IEPR	California's Integrated Energy Policy Report
IFC	International Fire Code
IID	Imperial Irrigation District
in/sec	Inches Per Second
IPCC	Intergovernmental Panel on Climate Change
IRPs	Integrated Resources Plans
IRWMP	Integrated Regional Water Management Plan
IWMA	Integrated Waste Management Act
IWMP	Integrated Waste Management Plan
JURMP	Jurisdictional Urban Runoff Management Plan
LAFCO	Local Agency Formation Commission
LCC	Land Capability Classification
Ldn	Day-Night Average Noise Level
Leq	Equivalent Energy Level
LESA	California Land Evaluation Site Assessment Model
LGOP	Local Government Operation Protocol
LHP	Landslide Hazards Program
Lng	Liquefied Natural Gas
LOS	Level of Service
LPC	Light Pollution Code
LRAs	Local Responsibility Areas
LST	Localized Significance Thresholds
LTF	Local Transportation Fund
LUFT	Leaking Underground Fuel Tanks
LUST	Leaking Underground Storage Tank
µg/m <sup>3</sup>	Micrograms Per Cubic Meter
MACTs	Maximum Achievable Control Technologies
MBTA	Migratory Bird Treaty Act
MCAS	Marine Corps Air Station
MG	Million Gallons

mg/L	Milligrams Per Liter
mgd	Million Gallons Per Day
MHCP	Multiple Habitat Conservation Program
MIE	<u>Mobility and Infrastructure Element</u>
MMBTUs	Million British Thermal Units
MMcfd	Million Cubic Feet/Day
MMI	Modified Mercalli Intensity
MMRP	Mitigation Monitoring and Reporting Program
MMT	Million Metric Tons
MMtherms	Million Therms
mph	Miles Per Hour
MPO	Metropolitan Planning Organization
MRZs	Mineral Resource Zones
MSCP	Multiple Species Conservation Program
MSL	Mean Sea Level
MTBE	Methyl Tert-Butyl Ether
MTS	Metropolitan Transit System
Mw	Moment magnitude
MW	Megawatts
MWD	Metropolitan Water District
MWh/year	Megawatt Hours Per Year
MWRF	Meadowlark Water Reclamation Facility
N <sub>2</sub> O	Nitrous Oxide
NAGPRA	Native American Graves Protection and Repatriation Act
NAHC	Native American Heritage Commission
NB	Northbound
NC Metro	North County Metropolitan
NCCP	Natural Community Conservation Planning
NCTD	North County Transit District
NDAA	Natural Disaster Assistance Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NFIP	National Flood Insurance Program
NHPA	National Historic Preservation Act
NMFS	National Marine Fisheries Service
NO <sub>2</sub>	Nitrogen Dioxide
NOP	Notice of Preparation
NOx	Nitrogen oxide
NPDES	National Pollutant Discharge Elimination System
NPDWR	National Primary Drinking Water Regulations
NPPA	California Native Plant Protection Act

NPS	National Parks Service
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NSDWR	National Secondary Drinking Water Regulations
NSLU	Noise-Sensitive Land Uses
NSR	New Source Review
O <sub>3</sub>	Ozone
OAEP	Operational Area Emergency Plan
OEHHA	Office of Environmental Health Hazard Assessment
OES	Office of Emergency Services
OMR	Office of Mine Reclamation
OPR	California Office of Planning and Research
OS	Open Space
OSSA	Open Space Subvention Act
PAMA	Pre-Approved Mitigation Area
PAU	Paramedic Assessment Unit
P-C Zone	Western San Diego County Production-Consumption Zone
PCBs	Polychlorinated Biphenyls
Perc	Perchloroethylene
PERT	Psychiatric Emergency Response Team
PFCs	Perfluorocarbons
PHI	California Point of Historical Interest
PM	Particulate Matter
PM <sub>10</sub>	Respirable Particulate Matter
PM <sub>2.5</sub>	Fine Particulate Matter
ppb	Parts Per Billion
pph	Persons Per Household
ppm	Parts Per Million
PPV	Peak Particle Velocity
PRC	Public Resources Code
PRGs	Preliminary Remediation Goals
R-A	Residential Agriculture
RAQS	Regional Air Quality Strategies
RCAs	Resource Conservation Areas
RCP	Regional Comprehensive Plan
RCRIS	Resource Conservation and Recovery Information System
RDD	Rincon del Diablo Water District
RDDFPD	Rincon del Diablo Fire Protection District

R-E	Residential Estate
RHNA	Regional Housing Needs Allocation
RMP	Risk Management Plan
ROW	Right-of-Way
RPO	Resource Protection Ordinance
RSFFPD	Rancho Santa Fe Fire Protection District
RTAC	Regional Targets Advisory Committee
RTFH	Regional Task Force on the Homeless
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SAM	Site Assessment and Mitigation
San Diego NHM	San Diego Natural History Museum Paleontology Collection Database
SANDAG	San Diego Association of Governments
SARA	Superfund Amendments and Reauthorization Act
SB	Senate Bill
SB	Southbound
SCIC	South Coastal Information Center
SCS	Sustainable Communities Strategy
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
SDCGHGI	San Diego County GHG Inventory
SDCRAA	San Diego County Regional Airport Authority
SDCWA	San Diego County Water Authority
SDG&E	San Diego Gas and Electric
SDHR	San Diego Hydrologic Region
SDSD	San Diego's Sheriff Department
SDWA	Safe Drinking Water Act
sf	Square Feet
SF <sub>6</sub>	Sulfur Hexafluoride
SFHAs	Special Flood Hazard Areas
SFP	School Facilities Program
SGOA	Smart Growth Opportunity Areas
SI	Storie Index
SIP	State Implementation Plan
SIU	Significant Industrial User
SLF	Sacred Lands File
SMARA	Surface Mining and Reclamation Act

SMFPD	San Marcos Fire Protection District
SMGB	State Mining and Geology Board
SO <sub>2</sub>	Sulfur Dioxide
SoCalGas	Southern California Gas Company
SOI	Sphere of Influence
SOI	Secretary of the Interior
SONGS	San Onofre Nuclear Generating Station
SORP	Sewer Overflow Response Plan
SOx	Sulfur Oxide
SPA	Specific Planning Area
SPFPD	San Pasqual Fire Protection District
SR	State Route
SRA's	State Responsibility Areas
SSMP	Sewer System Management Plan
STA	State Transit Assistance
STIP	Statewide Transportation Improvement Program
SUSMP	Standard Urban Stormwater Mitigation Plan
SWAT	Tactical Operations Unit
SWFP	Solid Waste Facility Permit
SWP	State Water Project
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TACs	Toxic Air Contaminants
TAs	Target Areas
T-BACT	Toxics Best Available Control Technology
TDS	Total Dissolved Solids
TIA	Traffic Impact Analysis
TIF	Transportation Impact Fee
TRB	Transportation Research Board
TSDF	Treatment, Storage and Disposal Facilities
TUA	Traditional Use Area
TWLT	Two Way Left Turn
UCD	University of California – Davis Extension Program
URBEMIS	Urban Emissions
URM	Unreinforced Masonry
USACE	U.S. Army Corps of Engineers
USDA	U.S. Department of Agriculture
USDOT	U.S. Department of Transportation
USFS	U.S. Forest Service

USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geologic Service
USTs	Underground Storage Tanks
UWMP	Urban Water Management Plan
V/C	Volume/Capacity
VAP	Voluntary Assistance Program
VCAPCD	Ventura County Air Pollution Control District
VCFPD	Valley Center Fire Protection District
VCMWD	Valley Center Municipal Water District
VdB	Vibration Decibels
VID	Vista Irrigation District
VMT	Vehicle Miles Travelled
VOC	Volatile Organic Compounds
VWD	Vallecitos Water District
WB	Westbound
WDRs	Waste Discharge Requirements
WSA	Water Supply Assessment
WUI	Wildland-Urban Interface
WURMP	Watershed Urban Runoff Management Program

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