

# ARROYO SECO MUSIC AND ARTS FESTIVAL

## Draft Environmental Impact Report

Prepared for  
City of Pasadena Planning and  
Community Development Department

December 2015



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## Acronyms Used in this Report

AB	Assembly Bill
ADA	Americans with Disabilities Act
AEG	Anschutz Entertainment Group
AF	acre-feet
AFD	Arcadia Fire Department
AFY	acre-feet per year
ANF	Angeles National Forest
ANSI	American National Standard Institute
APD	Arcadia Police Department
AQMP	air quality management plan
AR4	Fourth Assessment Report
AVO	Average vehicle occupancy
BLS	Basic Life Support
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
Cal/EPA	California Environmental Protection Agency
CalEEMod	California Emissions Estimator Model
CALGreen	California Green Building Standards Code
Cal-OSHA	California Occupational Safety and Health Administration
CAT	Climate Action Team
CCAA	California Clean Air Act
CCAT	California Action Team
CARB	California Air Resources Board
Cd	candelas
Cd/m <sup>2</sup>	candelas per square meter



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CDFW	California Department of Fish and Wildlife
CESA	California Endangered Species Act
CEQA	California Environmental Quality Act
CFC	California Fire Code
CFR	Code of Federal Regulations
CH <sub>4</sub>	methane
CIE	International Commission on Illumination
CMA	Critical Movement Analysis
CMP	Congestion Management Program
CNG	compressed natural gas
CO	carbon monoxide
CUWMPA	California Urban Water Management Planning Act
CWA	Clean Water Act
dB	decibels
dBA	A-weighted decibels
Diesel PM	diesel fueled engines
DHS	Department of Health and Safety
DMM	demand management measure
DMP	diesel particulate matter
DNL	Day-Night Sound Level
DOT	Department of Transportation
EIR	Environmental Impact Report
EMFAC	Emission FACTors
EMTD	emergency medical technician defibrillator
°F	Fahrenheit
FESA	Federal Endangered Species Act

FHWA	Federal Highway Administration
FOH	Front of House
FOP	Festival Operations Plan
Ft	feet
FTA	Federal Transit Administration
GHG	greenhouse gas
gpm	gallons per minute
GWP	global warming potential
HAPs	hazardous air pollutants
HDR	high dynamic range
HFCs	hydrofluorocarbons
HOT	high-occupancy toll
HOV	high occupancy vehicle
HPR	High Performance Renewable
HRA	health risk assessment
HRI	Historic Resources Inventory
Hz	hertz
ICU	Intersection Capacity Utilization
IESNA	Illuminating Engineering Society of North America
IPCC	Intergovernmental Panel on Climate Change
LADOT	Los Angeles Department of Transportation
LAFD	Los Angeles Fire Department
LAMC	Los Angeles Municipal Code
LAPD	Los Angeles Police Department
LCFS	low carbon fuel standard
LDRI	low dynamic range images

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LOS	level of service
LST	localized significance thresholds
LTS	Less-than-significant
MATES IV	Multiple Air Toxics Exposure Study IV
MBTA	Migratory Bird Treaty Act
MICR	maximum individual cancer risk
MMRP	Mitigation Monitoring and Reporting Program
MPOs	metropolitan planning organizations
MT	metric ton
MMT	million metric ton
MTA	Metropolitan Transportation Agency
MWD	Metropolitan Water District
NAAQS	National Ambient Air Quality Standards
NO <sub>2</sub>	nitrogen dioxide
N <sub>2</sub> O	nitrous oxide
NFL	National Football League
NH <sub>3</sub>	ammonia
NIMS	National Incident Management System
NOP	Notice of Preparation
NO <sub>2</sub>	nitrogen dioxide
NO <sub>x</sub>	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
O <sub>3</sub>	ozone
OEHHA	Office of Environmental Health Hazard Assessments
OFF_ROAD	Off-Road Emissions

OSHA	Occupational Safety and Health Administration
OPR	Office of Planning and Research
PA	public address
Pb	lead
PBMP	Pasadena Bicycle Mater Plan
PCC	Pasadena City College
PCE	passenger car equivalent
PDD	Pasadena Police Department
PDOT	Pasadena Department of Transportation
PFCs	perfluorocarbons
PFD	Pasadena Fire Department
PM <sub>2.5</sub>	Fine particulate matter
PM <sub>10</sub>	Respirable particulate matter
PMC	Pasadena Municipal Code
ppm	parts per million
PPV	peak particle velocity
PWP	Pasadena Water and Power
RBAC	Rose Bowl Aquatics Center
RBMB	Raymond Basin Management Board
RBOC	Rose Bowl Operating Company
RMS	root mean square
ROGs	reactive organic gases
RSA	Regional Statistical Area
RTP	regional transportation plan
RV	recreational vehicle
SAR	Second Assessment Report

SB	Senate Bill
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCS	sustainable communities strategies
SEMS	Standardized Emergency Management System
Sf	square feet
SF <sub>4</sub>	sulfur hexafluoride
SIP	state implementation plan
SO <sub>2</sub>	sulfur dioxide
SO <sub>3</sub>	sulfur trioxide
SO <sub>4</sub>	sulfates
SO <sub>x</sub>	sulfure oxides
SR	State Route
SRA	Source Receptor Area
STIP	Statewide Transportation Improvement Program
SU	Significant Unavoidable
SWP	State Water Project
SWRCB	State Water Resources Control Board
TACs	toxic air contaminants
TCO	traffic control officers
TDF	traffic demand forecasting
TIA	Traffic Impact Assessment
TMC	Traffic Management Center
TNM	Traffic Noise Model
µg/m <sup>3</sup>	micrograms per cubic meter

UCLA	University of California Los Angeles
UNFCCC	United Nations Framework Convention for Climate Change
USC	University of Southern California
USEPA	U.S. Environmental Protection Agency
UWMP	Urban Water Management Plan
V/C	volume-to-capacity
VdB	decibel notation commonly used to measure RMS
VMS	variable message boards
VMT	vehicle miles traveled
VOCs	volatile compounds of carbon
VT	vehicle trips
W	watts
WIRP	Water Integrated Resources Plan
WRCC	Western Regional Climate Center