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ABBREVIATIONS AND ACRONYMS

°F	degrees Fahrenheit
µg/m^3	micrograms per cubic meter
µPa	micropascal
AADT	average annual daily traffic
AAI	All Appropriate Inquiry
ACSR	Aluminum Conductor Steel Reinforced
AD	Anno Domini
af	acre-feet
AFC	Application for Certification
afy	acre-feet per year
AGL	above ground level
AIA	Airport Influence Area
ALUC	Airport Land Use Commission
amsl	above mean sea level
ANSI	American National Standards Institute
APCD	Air Pollution Control District
APCO	Air Pollution Control Officer
APE	Area of Potential Effect
APLIC	Avian Power Line Interaction Committee
APN	assessor parcel number
Applicant	Quail Brush Genco, LLC
AQIA	air quality impact assessment
AQMD	Air Quality Management District
AQRV	Air Quality Related Value
ARM	Ambient Ratio Method
AST	above-ground storage tank
ASTM	American Society for Testing and Materials
ATC	Authority to Construct
ATCM	Air Toxics Control Measure
BACT	Best Available Control Technology
BARCT	Best Available Radionuclides Control Technology
BGEPA	Bald and Golden Eagle Protection Act
bgs	below ground surface

bhp	boiler horse power
BLM	Bureau of Land Management
BMP	Best Management Practices
BP	before present
Btu/kWh-hr	British thermal units per kilowatt hour
Btu/lb	British thermal units per pound
Btu/scf	British thermal units per standard cubic foot
ca.	circa
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAISO	California Independent System Operator
Cal/OSHA	California Occupational Health and Safety Administration
CalARP	California Accidental Release Program
Caltrans	California Department of Transportation
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CAS	chemical abstract services
CASAC	Clean Air Scientific Advisory Committee
CASQA	California Stormwater Quality Association
CBC	California Building Code
CCR	California Code of Regulations
CDFG	California Department of Fish and Game
CEC	California Energy Commission
CEIDARS	California Emission Inventory Development and Reporting System
CEMS	continuous emissions monitoring system
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CESA	California Endangered Species Act
cf	cubic feet
CFG Code	California Fish and Game Code
CFR	Code of Federal Regulations
cfs	cubic feet per second
CGS	California Geological Survey
CHP	California Highway Patrol
CIWMA	California Integrated Waste Management Act

CNDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
CO_2	carbon dioxide
CO_{2e}	carbon dioxide equivalent
CPUC	California Public Utilities Commission
CRGT	chemically-recuperated gas turbine
CRHR	California Register of Historical Resources
CSC	California Species of Concern
CUP	Conditional Use Permit
CUPA	Certified Unified Program Agency
CVC	California Vehicle Code
CWA	Clean Water Act
cy	cubic yards
cy/mo	cubic yards per month
DaE	Diablo Clay
DAR	Direct Access Ramp
dB	decibel
dBA	A-weighted decibel
DBE	Design-Basis Earthquake
dBL	linear sound level
DDC	Distribution Dispatch Center
DEH	Department of Environmental Health
DEM	Digital Elevation Model
DNL	Daytime Noise Level
DoC	Determination of Compliance
DOT	Department of Transportation
DPLU	Department of Planning and Land Use
DPM	diesel particulate matter
DPR	Department of Parks and Recreation
DSD	Development Services Department
DTSC	Department of Toxic Substances Control
EAF	equivalent availability factor
EDD	Economic Development Department
EF	electric fields

EHS	extremely hazardous substance
EIR	Environmental Impact Report
EMF	electromagnetic fields
Engines	Wartsila model 20V34SG natural gas-fired reciprocating engines
EPCRA	Emergency Planning and Community Right-to-Know Act
ERP	Emergency Response Plan
ESA	Endangered Species Act
ESL	Environmentally Sensitive Land
FAA	Federal Aviation Administration
FCC	Federal Communications Commission
FDA	Food and Drug Administration
FE	federally endangered
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FHA	Federal Highway Administration
FHWA	Federal Highway Administration
FPPA	Farmland and Protection Policy Act
FT	federally threatened
FTE	Full-Time Equivalent
gal	gallon
gal/day	gallons per day
gal/mo	gallons per month
gen tie	generation tie-line
GEP	Good Engineering Practice
GHG	greenhouse gas
g/hp-hr	grams per horsepower-hour
GHz	gigahertz
GIS	geographic information system
GO	General Order
gpd	gallons per day
gpm	gallon per minute
GPS	Global Positioning System
GRAS	Generally Recognized as Safe
gr/scf	grains per standard cubic feet
GSUT	generator step-up transformer
GWh	gigawatt hours

H_2SO_4	sulfuric acid
HAP	Hazardous Air Pollutant
HARP	Hotspots Analysis and Reporting Program
HAT	humid air turbine
HazMat	Hazardous Materials
HCM	Highway Capacity Manual
HCP	Habitat Conservation Plan
HDD	horizontal-directional-drilling
HHV	high heat value
HIRT	Hazardous Materials Incident Response Team
HMBP	Hazardous Materials Business Plan
HMMP	Hazardous Materials Management Plan
HOV	High Occupancy Vehicle
HPD	hearing protection devices
HRSG	heat recovery steam generator
HSP	Health and Safety Plan
HVAC	heating, ventilation, air conditioning
HWCL	Hazardous Waste Control Law
Hz	hertz
IC	internal combustion
I/O	input/output
I-15	Interstate 15
ICE	internal combustion engine
IEEE	Institute of Electrical and Electronic Engineers
IIPP	Injury and Illness Prevention Program
IPP	independent power producers
ISRGT	intercooled steam-recuperated gas turbine
IT	Information Technology
IWCP	Industrial Wastewater Control Program
kAIC	kiloampere interrupting capacity
kcmil	thousand circular-mil
kHz	kilohertz
km	kilometer
KOP	key observation point
kV	kilovolt
kV/m	kilovolts per meter

lb	pound
lb/hr	pounds per hour
lb/mo	pounds per month
LEPC	Local Emergency Planning Committee
LO/TO	lock-out/tag-out
LORS	Laws, Ordinances, Regulations, and Standards
LOS	level of service
L_p	sound pressure level
LT	long-term
L_w	sound power level
LULC	Land Use/Land Cover
mA	milliamps
MBTA	Migratory Bird Treaty Act
MCAS	Marine Corps Air Station
MEI	maximum exposed individual
mG	milligauss
mg/L	milligrams per liter
MHPA	Multiple Habitat Planning Area
MHz	megahertz
MIR	maximum impact receptor
mm	millimeter
MMBtu/hr	million British thermal units per hour
MMBtu/lb	million British thermal units per pound
MRI	Midwest Research Institute
MOE	measure of effectiveness
MPU	Master Plan Update
m/s	meters per second
MSA	Metropolitan Statistical Area
MSCP	Multiple Species Conservation Program
MSDS	Material Safety Data Sheet
MTRP	Mission Trails Regional Park
MTS	Metropolitan Transit Service
MUTCD	Manual on Uniform Traffic Control Device
MV	millivolt
MVA	megavolt ampere
MW	megawatt

NA	not analyzed
n/a	not applicable
NAAQS	National Ambient Air Quality Standards
NAD	North American Datum
NAHC	Native American Heritage Commission
NAS	Naval Air Station
nd	non-detect
NEC	National Electrical Code
NED	National Elevation Dataset
NEMA	National Electrical Manufacturers Association
NESC	National Electric Safety Code
NESHAP	National Emission Standards for Hazardous Air Pollutant
NFPA	National Fire Protection Association
ng/m^3	nanograms per cubic meter
NHD	National Hydrographic Dataset
NH_3	ammonia
NIEHS	National Institute of Environmental Health Sciences
NIST	National Institute of Standards and Technology
Nm^3	normal cubic meter
NO	nitric oxide
NO_2	nitrogen dioxide
NOI	Notice of Intent
NO_x	nitrogen oxide
NPDES	National Pollution Discharge Elimination System
NPPA	Native Plant Protection Act
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NSA	Noise Sensitive Area
NSPS	New Source Performance Standards
NSR	New Source Review
O&M	operations and maintenance
O_3	ozone
OE	ordnance and explosives
OEHHA	Office of Environmental Health Hazard Assessment
OEM	original equipment manufacturer
OHWM	Ordinary High Water Mark

OLM	Ozone Limiting Method
OSHA	Occupational Health and Safety Administration
PAH	polycyclic aromatic hydrocarbon
Palomar	Palomar Mountain Premium Spring Water
PEL	permissible exposure limit
pga	peak ground acceleration
plant	power plant
PM_{10}	microns in aerodynamics diameter
$PM_{10}/_{2.5}$	Sub 10-Micron Particulate Matter/Sub 2.5-Micron Particulate Matter
POC	precursor organic compounds
POI	Point of Interconnection
PPA	Power Purchase Tolling Agreement
ppb	parts per billion
PPE	personal protective equipment
ppm	parts per million
ppmvd	parts per million, volumetric dry
PRC	Public Resources Code
Project	Quail Brush Generation Project
PSD	Prevention of Significant Deterioration
PSHA	probabilistic seismic hazard analysis
psig	per square inch gauge
PST	Pacific Standard TIme
Pub. L.	Public Law
PUC	Public Utilities Commission
PVMRM	Plume Volume Molar Ratio Method
$_pW$	picowatt
QBPP	Quail Brush Power Project (or the Project)
QCB	Qunis checkspot buttefly
Quail Brush	Quail Brush Generation Project
RCRA	Resource Conservation and Recovery Act
REC	recognized environmental condition
REL	Reference Exposure Limit
REZ	Reference Exposure Level
RfF	Redding Cobbly Loam
RICE	Reciprocating Internal Combustion Engines
RMP	Risk Management Plan

ROC	reactive organic compound
ROW	right-of-way
RQ	reportable quantity
RS	Residential-Single
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
RUSLE	Revised Universal Soil Loss Equation
RV	recreational vehicle
RWQCB	Regional Water Quality Control Board
SANDAG	San Diego Association of Government
SARA	Superfund Amendments and Reauthorization Act
SCAQMD	South Coast Air Quality Management District
scf/hr	standard cubic feet per hour
SCIC	South Coastal Information Center
SCR	selective catalytic reduction
SDAPCD	San Diego Air Pollution Control District
SDAQMD	San Diego Air Quality Management District
SDG&E	San Diego Gas and Electric
SDMC	San Diego Municipal Code
SDRWCB	San Diego Regional Water Quality Control Board
SE	state endangered
SELPA	Special Education Local Plan Area
SER	Significant Emission Rate
SERC	State Emergency Response Commission
SESTLC	Safe Engineering Services and Technologies, LTD
SF_6	gas-insulated
SIL	Significant Impact Level
SIS	System Impact Studies
SMC	Significant Monitoring Concentration
SMARA	Surface Mining and Reclamation Act
SO_2	sulfur dioxide
SO_x	sulfur oxide
SOC	Standard Occupational Classification
SPCC	Spill Prevention Control and Countermeasures
SR	State Route
ST	short-term

STEL	Short-Term Exposure Limit
STIG	steam-injected gas turbine
SUSMP	Standard Urban Storm Mitigation Plan
SVOC	semivolatile organic compound
SVP	Society of Vertebrate Paleontology
SWPL	Southwest Power Link
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TBD	to be determined
TCP	Traffic Control Plan
TDS	total dissolved solids
TLV	threshold limit value
TMDL	total maximum daily load
TMP	Traffic Management Plan
TNW	Traditional Navigable Water
TPQ	threshold planning quantity
TPY	tons per year
TQ	threshold quantities
TSDF	treatment disposal facility
TSP	Total Suspended Particulate Matter
TtEC	Tetra Tech EC, Inc.
UCMP	University of California Museum of Paleontology
UFC	Uniform Fire Code
USACE	U.S. Army Corps of Engineers
USC	United States Code
USDA	U.S. Department of Agriculture
USEPA	U.S. Environmental Protection Agency
USFS	U.S. Forest Service
USFWS	U.S. Fish and Wildlife Service
USGS	United States Geological Survey
UXO	unexploded ordnance
VHFHSZ	Very High Fire Hazard Severity Zone
VOC	volatile organic compounds
VSOI	visual sphere of influence
W	watt

Water Board	Regional Water Quality Control Board
WDR	Waste Discharge Requirement
WEAP	Worker Environmental Awareness Program
WRCC	Western Regional Climatic Center
WUS	Waters of the United States