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Small Power Plant Exemption Application for the Pomona Repower Project

Submitted to

California Energy Commission

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Acronyms and Abbreviations

°F	degree(s) Fahrenheit
AAQS	ambient air quality standards
AB	Assembly Bill
AC	alternating current
ADT	average daily traffic
afy	acre-feet per year
AHPA	Archaeological and Historic Preservation Act
AltaGas	Pomona Energy, Inc.
ANSI	American National Standards Institute
APCD	air pollution control district
AP EFZ	Alquist-Priolo Earthquake Fault Zone
APE	area of potential effect
APM	Applicant Proposed Measure
AQIA	air quality impact assessment
ARB	California Air Resources Board
AST	aboveground storage tank
BACT	best available control technology
BMP	best management practice
Btu/kWh	British thermal unit(s) per kilowatt hour
CAA	Clean Air Act
CAAQS	California ambient air quality standards
CAISO	California Independent System Operator
CalARP	California Accidental Release Prevention
Cal. Code Regs.	California Code of Regulations
Cal-OSHA	California Occupational Safety and Health Administration
Cal. Pub. Res. Code	California Public Resources Code
Cal. Sts. & High. Code	California Streets and Highways Code
Caltrans	California Department of Transportation
Cal. Veh. Code	California Vehicle Code
CAM	Compliance Assurance Monitoring
CBC	California Building Code
CBSC	California Building Standards Code
CDC	Centers for Disease Control

ACRONYMS AND ABBREVIATIONS

CDFW	California Department of Fish and Wildlife
CDMG	California Division of Mines and Geology
CEC	California Energy Commission
CEDD	California Employment Development Department
CEMS	continuous emissions monitoring system
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
C.F.R.	Code of Federal Regulations
CGS	California Geological Survey
CH2M	CH2M HILL
CH ₄	methane
CHP	California Highway Patrol
CMP	Los Angeles County Congestion Management Program
CNDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
CO ₂	carbon dioxide
CPM	compliance project manager
CPUC	California Public Utilities Commission
CRHR	California Register of Historic Resources
CRS	Cultural Resources Specialist
CSP	Corridor Specific Plan
CTG	combustion turbine generator
cu yd	cubic yard(s)
CUP	Conditional Use Permit
CUPA	Certified Unified Program Agency
CWA	Clean Water Act
dB	decibel(s)
dBA	“A” weighted decibel scale
DC	direct current
DCS	distributed control system
DESCP	Drainage, Erosion and Sediment Control Plan
DNL	Day-Night Sound Level

DOC	determination of compliance
DOF	California Department of Finance
DOT	U.S. Department of Transportation
DPM	diesel particulate matter
DTSC	California Department of Toxic Substances Control
DWR	California Department of Water Resources
EAF	equivalent availability factor
EB	eastbound
EDD	Environmental Due Diligence
EDI	electrodeionization
EFZ	Earthquake Fault Zone
GO	General Order
EHS	Extremely Hazardous Substance
EMF	electromagnetic field
EPS	Emissions Performance Standard
FAA	Federal Aviation Administration
FAR	Federal Aviation Regulation
FDOC	final determination of compliance
FEIR	Final Environmental Impact Report
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FMMP	Farmland Mapping and Monitoring Program
ft-lb/blow	foot-pound(s) per blow
FY	fiscal year
GHG	greenhouse gas
gpm	gallon(s) per minute
GSU	generator step-up
GWP	global warming potential
HAP	hazardous air pollutant
HCM	Highway Capacity Manual
HMBP	Hazardous Materials Business Plan
hp	horsepower
HRA	Health Risk Assessment
HRIER	Historic Resources Inventory and Evaluation Report
HTW	high-temperature water

ACRONYMS AND ABBREVIATIONS

HWCL	Hazardous Waste Control Law
IEEE	Institute of Electrical and Electronics Engineers
IEPR	Integrated Energy Policy Report
IGCC	integrated gasification combined cycle
kcmil	thousand circular mil(s)
km	kilometer(s)
KOP	Key Observation Point
kV	kilovolt(s)
kW	kilowatt hour(s)
LAER	lowest achievable emission rate
LACFD	Los Angeles County Fire Department
LACSD	Sanitation Districts of Los Angeles County
lb	pound(s)
lb/yr	pound(s) per year
Ldn	Day-Night Sound Level
LEPC	Local Emergency Planning Committee
Leq	Equivalent Noise Level
LHV	lower heating value
LO/TO	lock-out/tag-out
LORS	laws, ordinances, regulations, and standards
LOS	level of service
LSA	lake or streambed alteration
LUST	leaking underground storage tank
m/s	meter(s) per second
MBTA	Migratory Bird Treaty Act
MCC	motor control center
MD	Metropolitan District
MEI	Maximum Exposed Individual
MEIR	MEI at residential locations
MF	microfiltration
mgd	million gallon(s)
mg/kg-d	milligram(s) per kilogram per day
MICR	Maximum Incremental Cancer Risk
mm	millimeter(s)
MMBtu	One million British Thermal Units

MSDS	Material Safety Data Sheet
MTA	Metropolitan Transportation Authority
MTCO _{2e}	million metric tons of carbon dioxide equivalent
MW	megawatt(s)
N ₂ O	nitrous oxide
NAAQS	national ambient air quality standards
NAGPRA	Native American Graves Protection and Repatriation Act
NAHC	Native American Heritage Commission
NANSR	Nonattainment New Source Review
NB	northbound
NEPA	National Environmental Policy Act
NERC	North American Electric Reliability Corporation
NESC	National Electrical Safety Code
NESHAPs	National Emission Standards for Hazardous Air Pollutants
NFPA	National Fire Protection Association
NHPA	National Historic Preservation Act
NO ₂	nitrogen dioxide
NOI	Notice of Intent
NO _x	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NPS	National Park Service
NRCS	National Resource Conservation Service
NRHP	National Register of Historic Places
NSPS	National Standards of Performance for New Stationary Sources
NSR	New Source Review
O ₂	oxygen
O ₃	ozone
OEHHA	California Office of Environmental Health Hazard Assessment
ONT	Ontario International Airport
OPLMA	Omnibus Public Land Management Act of 2009
OSHA	Occupational Health and Safety Act of 1970
PAH	polycyclic aromatic hydrocarbon
PALs	Plantwide Applicability Limits
Pb	airborne lead
PCE	passenger car equivalents

ACRONYMS AND ABBREVIATIONS

PDOC	preliminary determination of compliance
PHT	peak-hour traffic
PM _{2.5}	particulate matter with aerodynamic diameter less than or equal to 2.5 microns
PM ₁₀	fine particulate matter
ppb	part(s) per billion
ppbv	part(s) per billion by volume
PPD	Pomona Police Department
ppm	part(s) per million
ppmvc	corrected to 15 percent O ₂
ppmvd	part(s) per million, dry basis
PRMMP	Paleontological Resources Monitoring and Mitigation Plan
PRP	Pomona Repower Project
PRS	paleontological resources specialist
PSD	Prevention of Significant Deterioration
psi	pound(s) per square inch
PTC	Permit to Construct
PTO	Permit to Operate
Pub. Res.	Public Resources Code (California)
PUC	Public Utilities Commission
PVHMC	Pomona Valley Hospital Medical Center
PVMRM	Plume Volume Molar Ratio Method
RCRA	Resource Conservation and Recovery Act
REL	Reference Exposure Level
Rincon	Rincon Consultants
RMP	Risk Management Plan
RO	reverse osmosis
RQ	Reportable Quantity
RWQCB	Regional Water Quality Control Board
SF ₆	sulfur hexafluoride
SARA	Superfund Amendments and Reauthorization Act
SB	southbound
SCAQMD	South Coast Air Quality Management District
SCCIC	South Central Coastal Information Center
SCE	Southern California Edison
scf	standard cubic feet

SCR	selective catalytic reduction
SDS	Safety Data Sheet
SERC	State Emergency Response Commission
SF	square feet
SHPO	State Historic Preservation Office
SHRA	screening-level health risk assessment
SIGT	steam-injected gas turbine
SJVAPCD	San Joaquin Valley Air Pollution Control District
SO ₂	sulfur dioxide
SO _x	oxides of sulfur
SoCalGas	Southern California Gas Company
SPCC	Spill Prevention, Control, and Countermeasure
SPPE	Small Power Plant Exemption
SPRR	Southern Pacific Railroad
SR	State Route
SSC	Species of Special Concern
SUSMP	Standard Urban Stormwater Mitigation Plan
SVP	Society of Vertebrate Paleontology
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TMP	Transportation Management Plan
TPQ	Threshold Planning Quantity
Tpy	ton(s) per year
TQ	Threshold Quantity
TSDF	treatment, storage, and disposal facility
TSP	total suspended particulate
UCMP	University of California Museum of Paleontology
UPRR	Union Pacific Railroad
UPS	uninterruptible power supply
U.S.C.	United States Code
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UST	underground storage tank

ACRONYMS AND ABBREVIATIONS

UTM	Universal Transverse Mercator Projection
V/C	volume to capacity
VOC	volatile organic compound
WB	westbound
WEAP	Worker Environmental Awareness Program
WRP	Water Reclamation Plant