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9.1-1 Alternative Sites Considered

Appendices

The following appendices are being provided with the San Francisco Electric Reliability Project (SFERP) Supplement A to the Application for Certification (AFC). They replace appendices of the same number submitted with the AFC.

1A Owners Adjacent to the Project Site and Linear Corridors
1B Persons Who Prepared the AFC

3A SFPUC/Energy Efficiency Group Completed Projects as of 2/8/2005

8.1A Emissions and Operating Parameters
8.1B Modeling Analysis
8.1C Screening Health Risk Assessment
8.1D Construction Emissions and Impact Analysis
8.1E Evaluation of Best Available Control Technology
8.1F Cumulative Impact Analysis for the SFERP Facility
8.1G Deleted

8.2C Calculation of Nitrogen Deposition Baseline for San Bruno Mountain

8.3A Resumes of Cultural Resources Staff
8.3B Deleted

8.8B Records of Conversations with Public Service Providers

8.12A Offsite Consequence Analysis

8.13 Final Site Characterization/Corrective Measure Study and Article 22A Soil Characterization Report, Volume 1

8.15 Final Geotechnical Study Report for the MUNI Metro East Light Rail Vehicle Maintenance and Operation Facility

10A Civil Engineering Design Criteria
10B Structural Engineering Design Criteria
10C Mechanical Engineering Design Criteria
10D Electrical Engineering Design Criteria
10E Control Engineering Design Criteria
10F Chemical Engineering Design Criteria
10G Geologic and Foundation Design Criteria

The following appendices were provided in Volume 2 of the San Francisco Electric Reliability Project Application for Certification, submitted in March 2003. They have not changed from what was originally submitted. Additional copies of these appendices may be requested from the Applicant.

5 System Impact Study

6 Interconnection Agreement Letter from PG&E

8.2A CNDDB Species Lists, CNPS Electronic Inventory, USFWS Species List for San Francisco County
8.2B Qualifications/Resumes of Field Surveyors

8.3C Agency Correspondence
8.3D (Confidential) CHRIS-annotated USGS Maps

8.8A Environmental Justice

Acronyms and Abbreviations

°F	degrees Fahrenheit
μg/m^3	micrograms per cubic meter
ABAG	Association of Bay Area Governments
AC	alternating current
ACGIH	American Conference of Government Industrial Hygienists
ACI	American Concrete Institute
AFC	Application for Certification
AFY	acre-feet per year
AISC	American Institute of Steel Construction Code
AISI	American Iron and Steel Institute
ANSI	American National Standards Institute
APCD	Air Pollution Control District
API	American Petroleum Institute
APLIC	Avian Power Line Interaction Committee
AQMD	Air Quality Management District
ASME	American Society for Mechanical Engineers
AST	aboveground storage tank
AWS	American Welding Society
BAAQMD	Bay Area Air Quality Management District
BACT	Best Available Control Technology
Bay	San Francisco Bay
BayCAMP	Bayview Hunters Point Community Air Monitoring Project
BCDC	San Francisco Bay Conservation and Development Commission
BMP	best management practice
BP	years before present
CAA	Clean Air Act

CAAQS	California Ambient Air Quality Standards
CAISO	California Independent System Operator Corporation
CalARP	California Accidental Release Program
CalEPA	California Environmental Protection Agency
Cal-OSHA	California Occupational Safety and Health Administration
Caltrans	California Department of Transportation
CAPCOA	California Air Pollution Control
CARB	California Air Resource Board
CAS	Chemical Abstract Service
CBC	California Building Code
CCR	California Code of Regulations
CCSF	City and County of San Francisco
CDC	California Department of Conservation
CDFG	California Department of Fish and Game
CDM	Camp Dresser & McKee
CDMG	California Division of Mines and Geology
CDOGGR	California Division of Oil, Gas, and Geothermal Resources
CDPD	Cellular Digital Pocket Data
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response and Liability Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
CGS	California Geological Survey
CHP	California Highway Patrol
City	City of San Francisco
CNDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CO	carbon monoxide

County	County of San Francisco
CPUC	California Public Utilities Commission
CRT	cathode ray tube
CRSI	Concrete Reinforcing Steel Institute
CRWQCB	California Regional Water Quality Control Board
CSC	California species of special concern
CSLM	controlled low strength material
CSO	combined sewer overflow
CTG	combustion turbine generator
CUPA	Certified Unified Program Agency
CWA	Clean Water Act
DC	direct current
DCS	distributed control system
DCIS	Distributed Control and Information System
DI	deionized
DOF	California Department of Finance
DTSC	California Department of Toxic Substances Control
DWR	California Department of Water Resources
E&E	Ecology and Environment, Inc.
EAF	equivalent availability factor
EDI	electrodeionization
EHS	extremely hazardous substance
EIR	Environmental Impact Report
EMF	electric and magnetic fields
ENV	Department of the Environment
EPCRA	Emergency Planning and Community Right-To-Know Act of 1986
ERC	emission reduction credits
ERPG	Emergency Response Planning Guideline
ESCP	Erosion and Sedimentation Control Plan

ESU	Evolutionarily Significant Unit
FAA	Federal Aviation Administration
FAR	floor area ratio
Farmland	Prime Farmland, Unique Farmland, or Farmland of Statewide Importance
FEMA	Federal Emergency Management Agency
FESA	Federal Endangered Species Act
FM	Factory Manual
FMMP	Farmland Mapping and Monitoring Program
FSA	Final Staff Assessment
FY	Fiscal year
g	gravity acceleration, 9.8 meters squared per second
GHz	gigahertz
$g/m^2/year$	grams per square meter per year
GO	General Order
gpd	gallons per day
gpm	gallons per minute
GW	gigawatt
GWh	gigawatt hours
HHV	higher heating value
Hg	mercury
HMBP	Hazardous Material Business Plan
HRSG	heat recovery steam generator
HSP	Health and Safety Plan
Hz	hertz
IA	Interconnection Application
IDLH	immediately dangerous to life and health
IEEE	Institute of Electrical and Electronics Engineers
I/O	input/output
IOS	International Organization for Standardization

ISO	Independent System Operator
kH	kilohertz
kV	kilovolt
kV/m	kilovolts per meter
LAER	lowest achievable emission rate
LC	load center
LD_{50}	Dose lethal to 50 percent of those tested
LDLO	lowest published lethal dose
LEL	lower explosion limit
LEPC	local emergency planning committee
LO/TO	lock-out/tag-out
LORS	laws, ordinances, regulations, and standards
mA	millamperes
MBR	Membrane BioReactor
MBtus/day	million British thermal units per day
MCC	motor control center
MCE	maximum credible earthquake
MEI	maximum exposed individual
MGD	million gallons per day
MGY	million gallons per year
mG	milligauss
MGP	manufactured gas plant
mg/kg	milligrams per kilogram
mg/m^3	milligrams per cubic meter
MHz	megahertz
mm	millimeters
MRZ	Mineral-Resource Zone
MSDS	Material Safety Data Sheet
MSW	municipal solid waste

MTC	Metropolitan Transportation Commission
MUNI	San Francisco Municipal Railway
MW	megawatt
Mw	moment magnitude
NAAMM	National Association of Architectural Metals Manufacturers
NAAQS	National Ambient Air Quality Standards
NACE	National Association for Corrosion Engineers
NESC	National Electric Safety Code
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NFPA	National Fire Protection Association
NH_3	pure ammonia
NIOSH	National Institute of Occupational Safety and Health
NO, NO_2	nitrogen oxide gases
NO_x	oxides of nitrogen
NPDES	National Pollution Discharge Elimination System
NRCS	Natural Resources Conservation Service
NSR	new source review
OCA	offsite consequence analysis
OEHHA	Office of Environmental Health and Hazard Assessment
OSHA	Occupational Safety and Health Administration
PAHs	polycyclic aromatic hydrocarbons
PG&E	Pacific Gas and Electric Company
PHGA	peak horizontal ground acceleration
PM_{10}	particulates
PMSA	Primary Metropolitan Statistical Area
POC	precursor organic compound
Port	Port of San Francisco
PP	power plant
PPE	personal protective equipment

ppm	parts per million
ppmvd	parts per million volume, dry
PPPU7	Potrero PP Unit 7
PRC	Public Resources Code
PRMMP	Paleontological Resource Monitoring and Mitigation Plan
PSD	prevention of significant deterioration
psig	pounds per square inch gauge
PSM	Process Safety Management Plan
Pub. L.	Public Law
RCRA	Resource Conservation and Recovery Act
REL	reference exposure level
RMP	Risk Management Plan
RMPP	Risk Management and Prevention Program
RMR	Reliability Must Run
RO	reverse osmosis
ROW	right-of-way
RQ	reportable quantity
RUSLE	Revised Universal Soil Loss Equation
RWQCB	Regional Water Quality Control Board
SARA	Superfund Amendments and Reauthorization Act
SCADA	Supervisory Control and Data Acquisition
SCAQMD	South Coast Air Quality Management District
SCR	selective catalytic reduction
SERC	State Emergency Response Commission
SEWPCP	Southeast Water Pollution Control Plant
SEWWTP	City of San Francisco Southeast Wastewater Treatment Plant
SF_6	sulfur hexafluoride
SFBC	San Francisco Building Code
SFBRWQCB	San Francisco Regional Water Quality Control Board

SFDPH	San Francisco Department of Public Health
SFE	San Francisco Department of Environment
SFERP	San Francisco Electric Reliability Project
SFFD	San Francisco Fire Department
SFO	San Francisco International Airport
SFPD	San Francisco Police Department
SFPUC	San Francisco Public Utility Commission
SIP	State Implementation Plan
SIS	System Impact Study
SMIP	Site Mitigation and Implementation Plan
SOx	sulfur oxide
SPCC	Spill Prevention Control and Countermeasure Plan
SPRR	Southern Pacific Railroad
SSPC	Steel Structures Painting Council
STEL	short-term exposure limit, 15-min. exposure
SVP	Society of Vertebrate Paleontology
SWMP	stormwater management plan
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminants
TDS	total dissolved solids
TPQs	Threshold Planning Quantity
TPY	tons per year
TQ	Threshold Quantity
TSP	total suspended particulate matter
UBC	Uniform Building Code
UMB	Unreinforced Masonry Building
USACE	U.S. Army Corps of Engineers
USC	U.S. Code

USDA	U.S. Department of Agriculture
USEPA	U.S. Environmental Protection Agency
USFDA	U.S. Food and Drig Administration
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
VOC	volatile organic compound
VSD	virtually safe dose
WDR	waste discharge requirement
WGNCEP	Working Group on Northern California Earthquake Potential
WPCP	Water Pollution Control Plant
WPRR	Western Pacific Railroad
WPS	water pump station