

REVISED FINAL | JULY 2017

# Cambria Sustainable Water Facility Project

SUBSEQUENT ENVIRONMENTAL IMPACT REPORT



PREPARED FOR:  
**Cambria Community Services District**

PREPARED BY:  
**Michael Baker International**



**REVISED FINAL  
ENVIRONMENTAL IMPACT REPORT**

**SUBSEQUENT TO  
CAMBRIA WATER MASTER PLAN PROGRAM EIR  
(SCH No. 2004071009, Certified August 21, 2008)**

**Cambria Sustainable Water Facility Project**

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**SCH NO. 2014061073**



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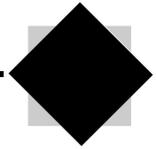
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July 12, 2017

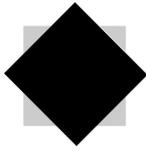
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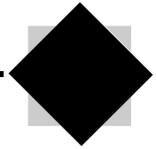


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**SUSTAINABLE WATER FACILITY PROJECT**

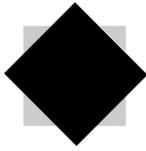


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## LIST OF ACRONYMS

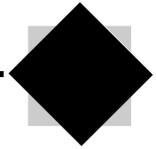
°C	degrees Celsius
%	percent
®	Registered Trademark
§	Section
µg/L	micrograms per liter
AAQS	Ambient Air Quality Standards
AB	Assembly Bill
AC	Acre
ACB	articulating concrete block
AChP	Advisory Council on Historic Preservation
ACOE	Army Corps of Engineers
a.d.	After Death
ADT	average daily traffic
AF	acre feet
AFY	acre feet per year
AG	Agriculture
aka	also known as
AM	ante meridiem
AMP	Adaptive Management Program
amsl	Above mean sea level
AOP	advanced oxidation process
APCD	Air Pollution Control District
APN	Assessor Parcel Number
ARB	Air Resources Board
AQMP	Air Quality Management Plan
AWTP	Advanced Water Treatment Plant
AWWA	American Water Works Association
B	Boron



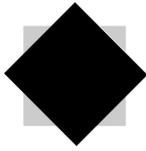
## SUSTAINABLE WATER FACILITY PROJECT



Ba	Barium
BAU	Business as usual
b.c.	Before Christ
BCO	Building and Construction Ordinance
BFE	Base Flood Elevations
bgs	below ground surface
BLM	Bureau of Land Management
BMPs	Best Management Practices
BO	Biological Opinion
BOD	Biochemical Oxygen Demand
BRP	buildout reduction program
Btu	British Thermal units
Ca	Calcium
CA	California
ca. cal a.d.	circa calibrated years After Death
ca. cal b.c.	circa calibrated years Before Christ
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
Cal/EPA	California Environmental Protection Agency
CALGreen	California Green Building Standards Code
CALMAX	California Materials Exchange Program
Caltrans	California Department of Transportation
CAP	Climate Action Plan
CAPCOA	California Air Pollution Control Officers Associations
CARB	California Air Resources Board
CBC	California State Building Code
CBACT	Best Available Control Technology for Construction Equipment
CBP	Comprehensive Business Plan
CCAA	California Clean Air Act
CCAMP	Central Coast Ambient Monitoring Program



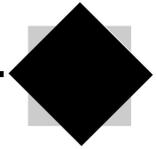
CCC	California Coastal Commission
CCIC	Central Coast Information Center
CCR	California Code of Regulations
CCRWQCB	Central Coast Regional Water Quality Control Board
CCSD	Cambria Community Services District
CDF	California Department of Forestry
CDP	Census Designated Places
CDPF	catalyzed diesel particulate filters
CDPH	California Department of Public Health
CDWF	California Department of Fish and Wildlife
CEC	California Energy Commission
CEMA	California Emergency Management Agency
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFCs	Chlorofluorocarbons
CFR	Code of Federal Regulations
CGS	California Geologic Survey
CHRIS	California Historic Resources Inventory System
CIP	clean-in-place
Cl	Chloride
CLMR	Conditional Letter of Map Revision
cm	centimeters
CMP	Congestion Management Plan
CNDDB	California Natural Diversity Data Base
CNEL	Community Noise Equivalent Level
CNG	compressed natural gas
CNPS	California Native Plant Species
CO	Carbon Monoxide
CO <sub>2</sub>	Carbon Dioxide
CO <sub>3</sub>	Carbonate



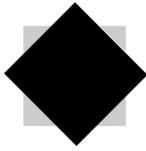
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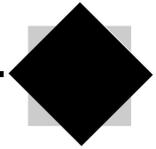
COD	Chemical Oxygen Demand
CPUC	California Public Utilities Commission
CRA	Cultural Resources Assessment
CRAM	California Rapid Assessment Method
CRHR	California Register of Historical Resources
CRLF	California Red-Legged Frog
CRMS	Cultural Resource Management Services
CSHP	California Scenic Highway Program
CUP	Conditional Use Permit
CUPA	Certified Unified Program Agency
CVC	California Vehicle Code
CWA	Clean Water Act
CY	cubic yards
CZLUO	Coastal Zone Land Use Ordinance
dB	decibel
dba	A-weighted decibel scale
DDW	Division of Drinking Water
DFW	California Department of Fish and Wildlife
DMM	Demand Management Measures
DO	Dissolved Oxygen
DOC	diesel oxidation catalysts
DOF	Department of Finance
DOT	U.S. Department of Transportation
DPH	Department of Public Health
DPS	Division of Public Service
DTSC	Department of Toxic Substances and Control
DU	dwelling unit
DWQ	Division of Water Quality
E-CDP	Emergency Coastal Development Permit
ECDP	Emergency Coastal Development Permit



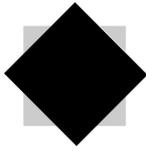
EDD	Employment Development Department
EFH	Essential Fish Habitat
e.g.	for example
EHD	Environmental Health Department
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
ELG	Effluent Limitation Guidelines
EO	Executive Order
EPA	Environmental Protection Agency
ESA	Endangered Species Act
ESHA	Environmentally Sensitive Habitat Area
ESHA-CC	Environmentally Sensitive Habitat Area - Coastal Creeks
ESHA-TH	Environmentally Sensitive Habitat Area - Terrestrial Habitat
et al.	and others
et seq.	and what follows
F	Fluoride
FAR	floor area ratio
FCAA	Federal Clean Air Act
Fe	Iron
FEMA	Federal Emergency Management Agency
FGC	Fish and Game [Wildlife] Code
FH	Flood Hazard
FHWA	Federal Highway Administration
FIRM	Flood Insurance Rate Map
FMMP	Farmland Mapping and Monitoring Program
FMP	fishery management plans
FS	Forest Service
ft	feet
FTA	Federal Transit Administration
FWS	U.S. Fish and Wildlife Service



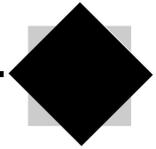
GHG	Greenhouse gas
GMR	Groundwater Modeling Report
gpcd	gallons per capita per day
gpd	gallons per day
gpm	gallons per minute
GMO	Growth Management Ordinance
GMP	Groundwater Management Plan
GMR	Groundwater Modeling Report
GSA	Geologic Study Area
GWh	gigawatt-hours
GWP	Global Warming Potential
H+	hydrogen ion
H <sub>2</sub> O	Water Vapor
H <sub>2</sub> O <sub>2</sub>	hydrogen peroxide
H&SC	Health and Safety Code
HABS	Historic American Building Survey
HAER	Historic American Engineering Record
HCFCs	Hydrochlorofluorocarbons
HCO <sub>3</sub>	Bicarbonate
HCP	Habitat Conservation Plan
HDD	horizontal directional drilling
HDPE	high density polyethylene
HMMP	Habitat Mitigation and Monitoring Plan
HP	horsepower
HRA	Health Risk Assessment
HSC	Health and Safety Code
HSG	hydrologic soil groups
HVAC	heating, ventilation, and air conditioning
IBC	International Building Code
i.e.	that is



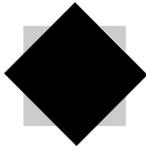
IESNA	Illuminating Engineering Society of North America
in/hr	inches per hour
in/sec	inch per second
IPCC	Intergovernmental Panel on Climate Change
IPR	Indirect Potable Reuse
IS/MND	Initial Study/Mitigated Negative Declaration
ITE	Institute of Transportation Engineers
ITP	Incidental Take Permit
JD	jurisdictional delineation
K	Potassium
KVA	kilovolt-amps
kW	kilowatts
kWh	kilowatt-hours
LIW	Lagoon Injection Wells
LCFS	Low Carbon Fuel Standard
LCP	Local Coastal Program
LCRS	leachate collection and removal system
LCSLO	Land Conservancy of San Luis Obispo County
L <sub>dn</sub>	Day/Night Average
L <sub>eq</sub>	Equivalent Sound Level
LF	linear feet
LID	Low Impact Development
lbs	pounds
L <sub>max</sub>	Maximum Sound Level
L <sub>min</sub>	Minimum Sound Level
L <sub>n</sub>	Exceedance Level
LNG	liquefied natural gas
LOS	Level of Service
MBTA	Migratory Bird Treaty Act
MBUAPCD	Monterey Bay Unified Air Pollution Control Board



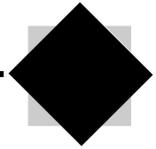
MCL	Maximum Contaminant Level
MF	membrane filtration
mg	milligrams
Mg	Magnesium
mg/L	milligrams per liter
mgd	million gallons per day
MLD	Most Likely Descendant
Mn	Manganese
MOE	measure of effectiveness
mpg	miles per gallon
mph	miles per hour
MPO	Metropolitan Planning Organization
MRP	Monitoring and Reporting Program
MMRP	Mitigation Monitoring and Reporting Program
MMT	million metric tons
mpg	miles per gallon
MSA	Magnuson-Stevens Act
MT	metric tons
MUP	Minor Use Permit
MW	monitoring well
MWh	megawatt hours
N	nitrogen
N <sub>2</sub> O	Nitrous Oxide
N/A	Not Applicable
N/N	nitrate-nitrogen
Na	Sodium
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NC	North Coast
NCAP	North Coast Area Plan



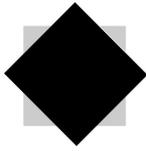
NCCAB	North Central Coast Air Basin
NCCP	Natural Community Conservation Plan
NEHRP	National Earthquake Hazards Reduction Program
NEPA	National Environmental Policy Act
NFIP	National Flood Insurance Program
NH <sub>4</sub>	Ammonia
NHPA	National Historic Preservation Act
NMFS	National Marine Fisheries Service
No.	number
NO <sub>2</sub>	Nitrogen Dioxide
NO <sub>3</sub>	Nitrate
NO <sub>x</sub>	Nitrogen Oxides
NOA	naturally occurring asbestos
NOAA	National Oceanic and Atmospheric Administration
NOE	Notice of Exemption
NOI	Notice of Intent
NOP	Notice of Preparation
NOT	Notice of Termination
NPDES	National Pollutant Discharge Elimination System
NPS	National Park Services
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NTU	Nephelometric Turbidity Unit
O <sub>3</sub>	Ozone
O&M	Operation and Maintenance Plan
OEHHA	Office of Environmental Health Hazard Assessment
OHP	Office of Historic Preservation
OHWM	Ordinary High Water Mark
OMMP	Operations, Maintenance and Monitoring Plan
OPR	Office of Planning and Research



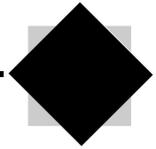
OSHA	Occupational Safety and Health Administration
P	Phosphorus
p.	page
PAHs	polycyclic aromatic hydrocarbons
Pb	Lead
PBDB	Paleobiology Database
PCBs	polychlorinated biphenyls
PCRs	Post-Construction Requirements
PD	Project Description
PDF	Portable Document Format
PEIR	Program Environmental Impact Report
PF	Public Facilities
PFCs	Perfluorocarbons
PFYC	Potential Fossil Yield Classification
PG&E	Pacific Gas & Electric
pH	hydrogen ion concentration
PM	post meridiem
PM <sub>2.5</sub>	Fine Particulate Matter
PM <sub>10</sub>	Course Particulate Matter
PMP	Probable maximum precipitation
PO <sub>4</sub>	Phosphate
ppb	parts per billion
ppm	parts per million
PPV	peak particle velocity
PRA	Paleontological Resources Assessment
PRC	Public Resources Code
psi	per square inch
PST	Pacific Standard Time
PVC	polyvinyl chloride
R-CDP	Regular Coastal Development Permit



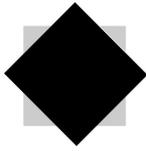
RH	relative humidity
RIW	Recharge Injection Well
RMP	Risk Management Planning
RMS	root mean square
RNC	Rural North Coast
RO	reverse osmosis
ROG	Reactive Organic Gases
ROW	right-of-way
ROWD	Report of Waste Discharge
RPS	Renewables Portfolio Standard
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SCH	State Clearinghouse
SDI	Silt Density Index
SEIR	Subsequent Environmental Impact Report
SLO	San Luis Obispo
SLOAPCD	San Luis Obispo Air Pollution Control District
SLOCOG	San Luis Obispo Council of Governments
SCH	State Clearinghouse
SCS	Sustainable Communities Strategy
SF	square feet
SF <sub>6</sub>	Sulfur hexafluoride
SFD	Single-Family Dwelling
SFHA	Special Flood Hazard Area
SFR	Single-Family Residential
SHBC	State Historical Building Code
SHMA	Seismic Hazards Mapping Act
SHPO	State Historic Preservation Officer
SO <sub>2</sub>	Sulfur dioxide
SiO <sub>2</sub>	Silica



SIP	State Implementation Plan
SLO	San Luis Obispo
SLOCAPCD	San Luis Obispo County Air Pollution Control District
SO <sub>4</sub>	Sulfate
SO <sub>x</sub>	Sulfur Oxides
SP	service population
spp.	species
Sr	Strontium
SR	State Route
SRA	Sensitive Resource Area
SS	San Simeon
STL	Sound Transmission Loss
SWF	Sustainable Water Facility
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
SWRO	seawater reverse osmosis
SWTP	surface water treatment plant
RWQCB	Regional Water Quality Control Board
TACs	Toxic Air Contaminants
T-BACT	best available control technology for toxics
TDS	Total Dissolved Solids
TM	Technical Memorandum
TMDL	Total Maximum Daily Load
TOC	Total Organic Carbon
tpd	tons per day
UBC	Uniform Building Code
UCMP	University of California Museum of Paleontology
UF	ultra filtration
UNFCCC	United Nations Framework Convention on Climate Change
URL	Uniform Resource Locator



U.S.	United States
USF&WL	United States Fish and Wildlife
USFWS	United States Fish and Wildlife Service
USC	United States Code
USGS	United States Geological Survey
USSC	United States Sentencing Commission
UV	ultraviolet
UWMP	Urban Water Management Plan
VdB	velocity decibels
V/C	volume-to-capacity
VFD	variable-frequency drive
VOC	Volatile Organic Compounds
vpd	vehicles per day
VZMS	vadose zone monitoring system
WDR	Waste Discharge Requirements
WMP	Water Master Plan
WRCC	Western Regional Climate Center
WRR	water recycling requirements
WWTP	Wastewater Treatment Plant
YBP	years before present
yr	year
ZORI	Zones of Required Investigation

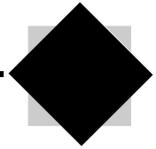


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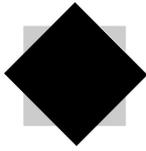
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ENVIRONMENTAL IMPACT REPORT  
AND TECHNICAL APPENDICES  
ON CD**



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**SUSTAINABLE WATER FACILITY PROJECT**



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