

APPENDIX E

BIOREFINERIES IN CALIFORNIA

Tables E-1 through E-8 lists planned and existing biorefineries in California by biofuel type. These tables should not necessarily be construed as a comprehensive list of biorefineries in California. There may be additional biorefineries in the permitting or planning process, or that fall below the permitting threshold that staff is not aware of.

Table E-1. Biodiesel Facilities in California

Facility Name	Responsible Air District	Conversion Process	Production Rate (MMgal/yr)	Status
American Biodiesel, Inc. dba Community Fuels	San Joaquin Valley APCD	Transesterification	11.75	Operational
Blue Sky Bio-Fuel, Inc.	Bay Area AQMD	Transesterification	10	Operational
Crimson Renewable Energy, LP	San Joaquin Valley APCD	Transesterification	30	Construction Complete
Energy Alternative Solutions, Inc.	Monterey Bay APCD	Transesterification	1	Operational
Geogreen Biofuel	South Coast AQMD	Transesterification	2.19	Operational
Golden Gate Petroleum Company	Bay Area AQMD	Transesterification	10	In Permitting
Imperial Western Products, Inc.	South Coast AQMD	Transesterification	8	Operational
New Leaf Biofuels, LLC	San Diego APCD	Transesterification	1.7	Operational
Noil Energy Group, Inc.	South Coast AQMD	Transesterification	5	Under Construction
Renewable Energy Products, LLC	South Coast AQMD	Transesterification	10	Under Construction
Simple Fuels Biodiesel	Northern Sierra AQMD	Transesterification	5	In Permitting
Whole Energy Fuels Corporation	Bay Area AQMD	Transesterification	3	Under Construction
Wright Biofuels	South Coast AQMD	Transesterification	5.5	Operational
Yokayo Biofuels, Inc.	Mendocino County AQMD	Transesterification	0.35	Operational

Table E-2. Renewable Biodiesel Facilities in California

Facility Name	Responsible Air District	Conversion Process	Production Rate (MMgal/yr)	Status
Kern Oil & Refining Co.	San Joaquin Valley APCD	Not Available	5.3	Operational

Table E-3. Corn Ethanol Facilities in California

Facility Name	Responsible Air District	Conversion Process	Production Rate (MMgal/yr)	Status
Altrabiofuels, Phoenix Bio Industries	San Joaquin Valley APCD	Dry Mill / Fermentation	31.5	Operational
Calgren Renewable Fuels LLC	San Joaquin Valley APCD	Dry Mill / Fermentation	60	Operational
Cilion Ethanol (Keyes)	San Joaquin Valley APCD	Dry Mill / Fermentation	55	Under Construction
Great Valley Ethanol (Hanford)	San Joaquin Valley APCD	Dry Mill / Fermentation	60	In Permitting
Pacific Ethanol, Brawley	Imperial County APCD	Dry Mill / Fermentation	60	Under Construction
Pacific Ethanol, Madera	San Joaquin Valley APCD	Dry Mill / Fermentation	40	Operational
Pacific Ethanol, Stockton	San Joaquin Valley APCD	Dry Mill / Fermentation	60	Operational
Parallel Products, Rancho Cucamonga	South Coast AQMD	Fermentation/ Distillation	5	Operational

Table E-4. Sugarcane Ethanol Facilities in California

Facility Name	Responsible Air District	Conversion Process	Production Rate (MMgal/yr)	Status
Cal. Ethanol & Power LLC	Imperial County AQMD	Fermentation	Not Available	Planned

Table E-5. Cellulosic Ethanol Facilities in California

Facility Name	Responsible Air District	Conversion Process	Production Rate (MMgal/yr)	Status
BlueFire, Lancaster	AVAQMD	Hydrolysis / Fermentation	3.1	Permitted

Table E-6. CNG Facilities in California

Facility Name	Responsible Air District	Conversion Process	Production Rate (ft ³ /day)	Status
Calgren Renewable Fuels LLC	SJVAPCD	Anaerobic Digestion	290,000	Planned
Folsom Prison (Clean World Partners)	SMAQMD	Anaerobic Digestion	400,000	Planned
Hilarides Dairy	SJVAPCD	Anaerobic Digestion	Not Available	Operational
Northstate Rendering	BCAQMD	Anaerobic Digestion	150,000	Planned
Puente Hills Landfill	SCAQMD	Landfill Digestion	360,000	Currently not Operating
Sacramento Regional WTP	SMAQMD	Anaerobic Digestion	Not Available	Planned
Sonoma Central Landfill	BAAQMD	Landfill Digestion	Not Available	Operational

Table E-7. LNG Facilities in California

Facility Name	Responsible Air District	Conversion Process	Production Rate (MMgal/yr)	Status
Simi Valley Landfill	VCAPCD	Landfill Digestion	6.0	Planned
Altamont Landfill	BAAQMD	Landfill Digestion	4.7	Operational
Bowerman Landfill	SCAQMD	Landfill Digestion	6.8	Operational
Kiefer Landfill	SMAQMD	Landfill Digestion	4.5	Operational

Table E-8. Hydrogen Fuel Facilities in California

Facility Name	Responsible Air District	Conversion Process	Production Rate (ft ³ /day)	Status
Orange County Sanitation District	SCAQMD	Fuel Cell	56,000	Operating

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