



AMAZON WATCH

# STOP FUELING AMAZON DESTRUCTION

HOW CORPORATE LEADERS CAN ELIMINATE THEIR USE OF AMAZON CRUDE

Extracting crude oil from the western Amazon Basin threatens ecologically- and culturally-sensitive ecosystems critical to global climate stability. California is the largest single importer and processor of this fuel. Therefore, brand-name retailers with significant operations in California have a critical role to play in reducing U.S. demand for Amazon crude.

Companies should cut their reliance on dirty fuel sources to further their own sustainability objectives and to ensure their brand is not associated with the destruction of the Amazon's forests nor with the resulting consequences for the global climate.

A relatively small number of large corporate truck fleets use a significant portion of the transportation fuel produced in the United States. Given that corporate fleets and third-party transportation providers primarily source their diesel from fuel terminals, these bulk fueling stations provide a key leverage point for corporate action.

# RECOMMENDATIONS TO COMPANIES

Amazon Watch urges companies to direct their truck fleets and/or transport providers to take concrete action to eliminate their use of Amazon crude as a necessary first step in making company operations more rainforest and climate friendly. To accomplish this, we recommend the following actions:

1. Identify fuel sources and cross-reference fuel terminals used by company fleets and/or transport providers with terminal list (see Appendix I). Utilizing this information, take the following actions:
  - Eliminate sourcing from red-rated fuel terminals;
  - Reduce sourcing from orange-rated fuel terminals;
  - Contact all fuel terminals not affiliated with a single refinery to request diesel originating from Amazon crude-free refineries.
2. Issue a public statement regarding steps taken to eliminate Amazon crude from company supply chains.
3. Send an open letter to all California refineries urging them to go Amazon crude-free.
4. Expand company commitments to clean, renewable energy, including exploring and implementing alternative transport options such as electric trucks.

While Amazon Watch firmly believes that companies must end their use of Amazon-derived fuels as swiftly as possible, we also recognize that it is essential for the transport sector to curb dependence on all forms of frontier oil and, ultimately, to completely transition to 100% clean, renewable energy.

## CALIFORNIA FUEL TERMINALS: Bulk Fueling Contributes to Amazon Destruction

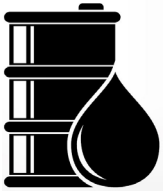


In early 2017, Amazon Watch commissioned an investigation to determine which fuel terminals distribute Amazon-derived fuel in order to provide company logistics planners with the information needed to transition their truck fleets and/or transport providers away from Amazon-derived fuels. The research focused specifically on California fuel terminals because the state is by far the largest importer, refiner, and consumer of Amazon crude in the United States.

This investigation identified about 60 California terminals that supply on-road diesel fuel to truck fleets and other end users. Amazon Watch rated these terminals according to their distribution of Amazon crude (see Appendix II and Appendix III). This analysis builds on earlier research into Amazon crude sourced by California refineries.<sup>1</sup> Put together, this is the first time a particular type of crude oil has been systematically tracked from refineries to its distribution hubs, and can serve as a valuable tool for truck fleet managers working to prioritize sustainability in their fuel supply chains.

# BY THE NUMBERS

## Amazon Crude in California<sup>II</sup>



**196,000** Barrels of Amazon crude imported to California each day

**50**

Percentage of all crude oil exports from the Amazon Basin processed by California refineries in a typical year



**9**

Number of California refineries processing Amazon crude

**7**

Number of refineries outside of California processing Amazon crude



**3**

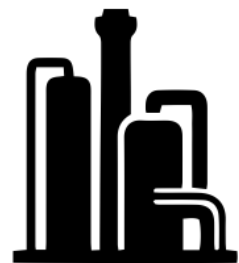
Number of refineries that process 72 percent of Amazon crude in California

**62**

Number of California fuel terminals that supply on-road diesel

**34**

Number of California fuel terminals directly connected to a refinery that processes Amazon crude



---

I. See: Amazon Watch 2016 report, "From Well to Wheel", <http://amwt.ch/3918>

II. Borealis Centre for Environmental and Trade Research; 2016 data from Ecuador, Peru and Colombia unless otherwise noted; these data are approximate and subject to change.



# APPENDIX I: REFINERY RATINGS

After determining the quantity of Amazon crude received by each refinery, Amazon Watch rated California refineries that have received Amazon crude according to the following metrics:

	Regularly receives smaller quantities of Amazon crude. <sup>1</sup>
	Regularly receives smaller quantities of Amazon crude. <sup>2</sup>
	a) Uses insignificant volumes of Amazon crude; <sup>3</sup> OR b) Has received some Amazon oil in the past but not in the most recently assessed year; OR c) Has no available record of processing Amazon crude OR d) Is strongly suspected of using Amazon crude, e.g. due to media reports, but there is not enough corroborating evidence from government or industry sources to confirm with certainty.

	2015				2016			
California Refinery	Est. Utilization (b/d)	Est. Amaz. oil (b/d)	Percent of total (%)	Rating	Est. Utilization (b/d)	Est. Amaz. oil (b/d)	Percent of total (%)	Rating
Chevron, El Segundo	232,685	56,463	24		232,685	70,648	30	
Tesoro, Los Angeles	312,957	26,022	8		307,222	37,169	12	
Tesoro, Martinez	143,590	25,063	17		143,590	34,402	24	
Shell, Martinez	135,286	19,570	14		135,286	20,563	15	
Phillips 66, Los Angeles	120,235	21,512	18		120,235	12,790	11	
Valero, Wilmington	78,975	12,055	15		78,975	12,448	16	
Valero, Benicia	125,425	7,271	6		125,425	4,620	4	
Chevron, Richmond	212,159	1,934	1		212,159	3,117	1	
Phillips 66, San Francisco	103,973	1,088	1		103,973	552	1	
PBF Energy, Torrance	129,318	0	0		130,87	0	0	
Kern Oil, Bakersfield	22,490	0	0		142,293	0	0	
San Joaquin Refining, Bakersfield	12,975	0	0		12,975	0	0	
<b>Total</b>	<b>1,787,930</b>	<b>170,978</b>	<b>10%</b>		<b>1,768,182</b>	<b>196,309</b>	<b>11%</b>	

*Original research by the Borealis Centre for Environmental and Trade Research*

1. Gross volume of Amazon crude used by the refinery OR the percent of estimated total feedstock utilization that it represents is greater than one standard deviation above the average of all Amazon-oil receiving refineries in the U.S.
2. Gross volume of Amazon crude is less than the amount described in the red rating but greater than the amount described in the yellow rating.
3. Gross volume of Amazon crude used by the refinery AND the percent of estimated total feedstock utilization that it represents are both at least one standard deviation below the average of all Amazon-oil receiving refineries in the U.S.



# APPENDIX II: FUEL TERMINAL RATINGS

After identifying the fuel distribution systems in California, Amazon Watch rated on-road diesel fuel terminals according to the following metrics. We recommend eliminating the purchase of diesel from red-rated terminals and minimizing the purchase of diesel from orange-rated terminals.

	Receives or likely receives diesel from affiliated red-rated refineries.
	Receives or likely receives diesel from affiliated orange-rated refineries.
¥	Receives diesel from affiliated orange-rated Chevron Richmond refinery; priority to avoid because Chevron El Segundo Refinery is by far the largest processor of Amazon Crude in the U.S.
*	Receives or likely receives diesel from multiple unaffiliated refineries with an average rating of orange.
	Receives or likely receives diesel from affiliated yellow-rated refineries.
	All supplying refineries are currently idled OR insufficient information available to assign rating.

Company	Terminal Name (City)	Terminal Number	Rating
Chevron USA, Inc.	El Segundo	T-95-CA-4800	
Chevron USA, Inc.	Huntington Beach	T-33-CA-4771	
Chevron USA, Inc.	Montebella	T-95-CA-4811	
Chevron USA, Inc.	San Diego	T-33-CA-4773	
Chevron USA, Inc.	Van Nuys	T-95-CA-4810	
Tesoro Logistics Operations LLC	Bloomington	T-33-CA-4753	
Tesoro Logistics Operations LLC	Carson	T-33-CA-4769	
Tesoro Logistics Operations LLC	Long Beach	T-33-CA-4764	
Tesoro Logistics Operations LLC	Martinez	T-68-CA-4611	
Tesoro Logistics Operations LLC	San Diego	T-33-CA-4782	
Tesoro Logistics Operations LLC	Signal Hill	T-33-CA-4784	
Tesoro Logistics Operations LLC	South Gate	T-95-CA-4807	
Tesoro Logistics Operations LLC	Stockton	T-68-CA-4629	
Tesoro Logistics Operations LLC	Wilmington	T-33-CA-4768	
Phillips 66 PL	Los Angeles	T-95-CA-4803	
Phillips 66 PL	Rialto (Colton)	T-33-CA-4760	
Phillips 66 PL	Richmond	T-68-CA-4617	
Phillips 66 PL	Sacramento	T-68-CA-4624	
Shell Oil Products US	Carson	T-33-CA-4746	
Shell Oil Products US	Colton	T-33-CA-4758	
Shell Oil Products US	Martinez	T-68-CA-4610	
Shell Oil Products US	San Jose	T-77-CA-4653	
Shell Oil Products US	Signal Hill	T-33-CA-4785	
Shell Oil Products US	Stockton	T-68-CA-4628	
Shell Oil Products US	Van Nuys	T-95-CA-4804	
Shell Oil Products US	West Sacramento	T-68-CA-4622	
Ultramar, Inc.	Wilmington	T-33-CA-4789	
Valero Refining Company	Benicia	T-68-CA-4603	
Chevron USA, Inc.	Avon (Martinez)	T-68-CA-4607	¥

# APPENDIX II: FUEL TERMINAL RATINGS

## (continued)

Company	Terminal Name (City)	Terminal Number	Rating
Chevron USA, Inc.	Banta (Tracy)	T-68-CA-4604	¥
Chevron USA, Inc.	Eureka	T-68-CA-4606	¥
Chevron USA, Inc.	Richmond	T-68-CA-4616	¥
Chevron USA, Inc.	Sacramento	T-68-CA-4621	¥
Chevron USA, Inc.	San Jose	T-77-CA-4650	¥
Buckeye Terminals, LLC	Sacramento (West Sacramento)	T-68-CA-4612	*
Buckeye Terminals, LLC	Stockton	T-68-CA-4609	*
Calnev Pipe Line, LLC	Barslow (Daggett)	T-33-CA-4761	*
IMTT Richmond, CA	Richmond	T-68-CA-4619	*
The Jankovich Company	San Diego	T-33-CA-4796	*
The Jankovich Company	San Pedro	T-33-CA-4791	*
Kinder Morgan	Carson	T-33-CA-4751	*
Kinder Morgan	Richmond	T-68-CA-4614	*
NuStar Terminals Operations	Stockton	T-68-CA-4626	*
Petro-Diamond Terminal Company	Long Beach	T-33-CA-4767	*
Plains Products Terminals LLC	Richmond	T-94-CA-4705	*
SFPP	Bradshaw (Rancho Cordero)	T-68-CA-4613	*
SFPP	Brisbane	T-94-CA-4700	*
SFPP	Chico	T-68-CA-4600	*
SFPP	Colton Terminal (Bloomington)	T-33-CA-4757	*
SFPP	Fresno	T-77-CA-4651	*
SFPP	Imperial	T-33-CA-4763	*
SFPP	Mission Valley (San Diego)	T-33-CA-4776	*
SFPP	Orange	T-33-CA-4772	*
SFPP	San Jose	T-77-CA-4652	*
Shore Terminal LLC	Selby (Crockett)	T-68-CA-4605	*
Shore Terminal LLC	Wilmington	T-33-CA-4787	*
Vopak Terminal Long Beach	Long Beach (San Pedro)	T-33-CA-4800	*
Vopak Terminal Los Angeles, Inc.	Los Angeles (Wilmington)	T-33-CA-4745	*
Kern Oil & Refining Co.	Bakersfield	T-77-CA-4655	
San Joaquin Refining Co., Inc.	Bakersfield	T-77-CA-4664	
Torrance Logistics Company	Anaheim	T-33-CA-4750	
Torrance Logistics Company	Vernon	T-95-CA-4805	
Alon	Bakersfield	T-77-CA-4657	
Alon	Long Beach	T-33-CA-4765	
Paramount Petroleum Corp.	Paramount	T-95-CA-4808	
Seaport Refining & Environmental LLC	Redwood City	T-77-CA-4665	

# APPENDIX III: FUEL TERMINALS MAP

