INSIDE

Gasoline Retail Prices by Brand

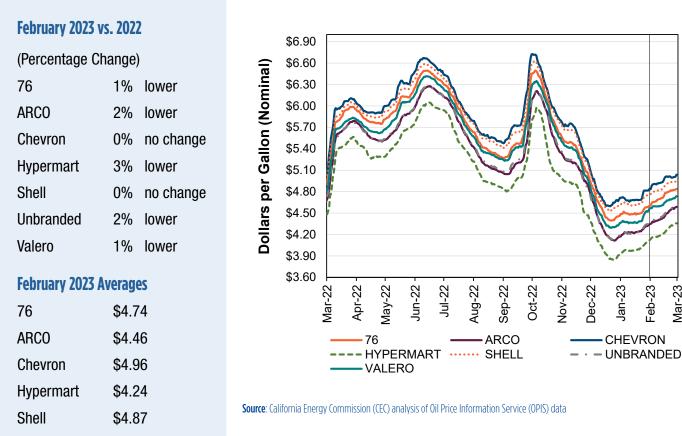
Diesel Retail Prices by Region

Product Highlight: Estimated Gasoline Price Breakdown and Margins Dashboard

REFINERY NEWS

Phillips 66 Wilmington: On February 25, the refinery experienced unplanned flaring, resulting in multiple stops and starts of operations during the week. Potential release of sulfur dioxide vapor into the atmosphere may have occurred as well. The issue was the result of a power outage in the area (CalOES).

CALIFORNIA GASOLINE RETAIL PRICES BY BRAND



CALIFORNIA DIESEL RETAIL PRICES BY REGION

(Percentage Change)

February 2023 vs. 2022

Southern CA

Unbranded

Valero

\$4.49

\$4.64

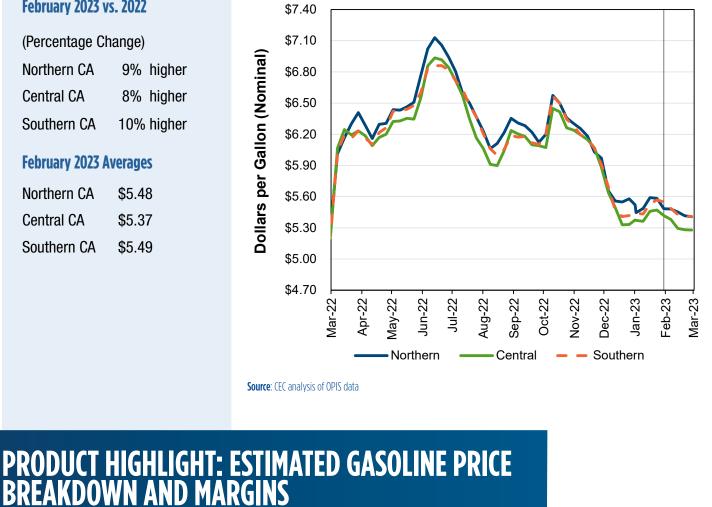
Northern CA 9% higher Central CA 8% higher

10% higher

February 2023 Averages

Central CA \$5.37 Southern CA \$5.49

Northern CA \$5.48



Under the Petroleum Industry The eight components of total cost for and profits prices are displayed with

Information Reporting Act (PIIRA) reporting, most petroleum industry companies are required to submit weekly, monthly, and annual data to the CEC. In addition, the CEC purchases daily pricing at wholesale racks in California from the Oil Price Information Service (OPIS). Wholesale rack prices are important to the cost breakdown of a gallon of gasoline. "Wholesale rack" is the price of finished gasoline at bulk volume after refining, but before transporting to a gas station. **COMPONENTS OF TOTAL COST**

a gallon of gasoline are listed below.

Previously, the Estimated Gasoline Price

Breakdown and Margins web page had postings of two previous Monday cost breakdowns with unbranded and branded, along with a downloadable Excel file of all data since 1999. Now, the new gasoline margin web page has a dashboard that shows a graph of the components of the total cost for a gallon of gasoline. Using the sidebar on the dashboard, those cost, tax,

added/removed (2) to display on the graph. Users of the dashboard have the option of switching between unbranded and branded (3) retail breakdown. The dashboard includes data from January 1999 to present and users can modify the date range displayed by using the date slider bar (4). The table (5) is also new, and it compares the previous week, 4-week ago, and one year ago prices to the latest Monday price.

> Refinery Costs and Profits Crude Oil Cost State Underground Stor...
>
> State and Local Sales Tax Environmental Fees

> > Crude Oil Cost Distribution Costs, Mark. Environmental Fees Federal Excise Tax

State and Local Sa
State Excise Tax
Federal Excise Tax

✓ Federal Excise Tax Refinery Costs and Profits

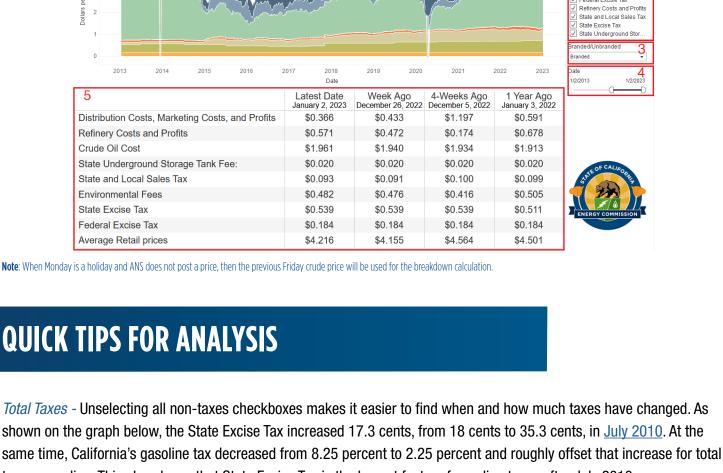
selected colors (1) and prices can be

Distribution Costs, Marketing Costs, and Profits: The costs associated with the distribution from terminals to stations and retailing of gasoline, including but not limited to franchise fees,

- and/or rents, wages, utilities, supplies, equipment maintenance, environmental fees, licenses, permitting fees, credit card fees, insurance, depreciation, advertising, and profit. Refinery Costs and Profits: The costs associated with refining and terminal operations, crude oil processing, oxygenate additives, product shipment and storage, oil spill fees, depreciation, purchases of gasoline to cover refinery shortages, brand advertising, and profits.
- Crude Oil Costs: The daily market price of Alaska North Slope (ANS) crude oil, which is used as a proxy for this composite crude oil acquisition cost for California refineries. State Underground Storage Tank Fee: The state underground storage tank fee is currently 2.0 cents per gallon.
- State and Local Sales Tax: An average state sales tax rate of 2.25% percent is used in the calculation of the distribution margin, although the actual sales tax rate does vary throughout California. Environmental Fees: 4-Week Average of associated Low Carbon Fuel Standard (LCFS)
- and Cap and Trade Costs as reported in the wholesale rack prices from OPIS. **State Excise Tax:** The California state excise tax is currently 53.9 cents per gallon.
- Federal Excise Tax: The federal excise tax is currently 18.4 cents per gallon. **PRODUCT OVERVIEW**

California Gasoline Price Breakdown and Margins

per Gallon (Nominal)



tax on gasoline. This also shows that State Excise Tax is the largest factor of gasoline taxes after July 2010.

0.5 0.5

Crude Oil Cost

State Excise Tax

State Underground Storage Tank Fee:

State and Local Sales Tax **Environmental Fees**

0.3 Week Ago 4-cember 26, 2022 De 1 Year Ago lanuary 3, 2022 Latest Date 4-Weeks Ago December 5, 2022 \$0.433 Distribution Costs, Marketing Costs, and Profits \$0.366 \$1.197 \$0.591

\$1.940

\$0.020

\$0.091

\$0.476

\$0.539

\$1.934

\$0.020

\$0.100

\$0.416

\$0.539

\$1.913

\$0.020

\$0.099

\$0.505

\$0.511

California Gasoline Price Breakdown and Margins

\$1.961

\$0.020

\$0.093

\$0.482

\$0.539



Environmental Fees \$0.482 \$0.476 \$0.416 \$0.505 \$0.539 \$0.539 \$0.539 \$0.511 \$0.184 \$0.184 \$0.184 \$0.184 Federal Excise Tax Average Retail prices \$4.501 \$4.216 \$4.155 Retail and Refinery Costs and Profits - Retail gasoline cost may increase and decrease depending on crude oil cost, production of gasoline (as show on the weekly fuels watch dashboard), and capability of California refineries. By taking crude oil and all taxes out of the graph, the distribution, marketing, and refinery costs and profits shows how much it costs to get crude oil to gasoline pumps. These steps are briefly described below. California Gasoline Price Breakdown and Margins State Underground Stor... Branded/Unbranded

State Underground Storage Tank Fee \$0.020 \$0.020 \$0.020 \$0.020 State and Local Sales Tax \$0.099 \$0.093 \$0.091 \$0.100 **Environmental Fees** \$0.482 \$0.476 \$0.416 \$0.505 \$0.539 \$0.539 \$0.539 \$0.511 Federal Excise Tax \$0.184 \$0.184 \$0.184 \$0.184 \$4.564 **FUEL PRICE DOWN THE PIPE** Starting from the New York Mercantile Fuel Price Influence Chain Exchange (NYMEX), buyers and sellers negotiate the transfer of crude oil, natural gas, ultra-low-sulfur diesel, and other gasoline blendstocks

Latest Date

January 2, 2023

\$0.366

\$0.571

\$1.961

Week Ago 4-V December 26, 2022 December 26

\$0.433

\$0.472

\$1.940

4-Weeks Ago December 5, 2022

\$1.197

\$0.174

\$1.934

1 Year Ago January 3, 2022

\$0.591

\$0.678

\$1.913

These deals are contracts for future **NYMEX** delivery between a month and 18 Paper market, influenced by

Distribution Costs, Marketing Costs, and Profits

Refinery Costs and Profits

Crude Oil Cost

months in the future. The future contract price may be determined by currency market moves, geopolitical situations, supply reports, refinery health, weather events around the globe, and Organization of Petroleum Exporting Counties (OPEC) decisions. There are seven U.S. spot markets where fuel is physically traded on the spot to be picked up at rack locations:

San Francisco, Los Angeles, Pacific Northwest, Gulf Coast, Chicago, New York Harbor, and Group 3 (Tulsa, Oklahoma). These deals are through pipelines or on the water from a minimum of 5,000 barrels (210,000 gallons) up to 50,000 barrels (2.1 million gallons). Fuel prices are based on the NYMEX price and then set

factors. regional supply news.

big-scale regional

and international



SPOT MARKET

Physical market.

high volume, located

at refinery hubs.

Reacts to NYMEX and

raise the spot price because fuel may be limited in the future. gallons, which can be purchased from refineries to wholesale rack locations. OPIS reports that there

The rack market, or wholesale rack, are smaller volumes, around 8,000 by jobbers, retailer, and end users. This fuel is transferred via pipeline are a total of 400 racks in the

Smaller volume market,

often located off a

pipeline. Follows spot

market direction, chang-

to refuel. In 2021, there were an estimated 10,423 retail fuel outlets in California. Retail prices at this point vary by branded or unbranded fuel stations. Market and distribution costs may be a part of retail prices. Visit our website for more information about California's Petroleum Market.

RETAIL MARKET

Street price for gasoline

and diesel. Follows rack

pricing, though reaction

time is usually

two/three days later.

Please contact Media and Public Communications Office at mediaoffice@energy.ca.gov



Commissioners David Hochschild, Chair Siva Gunda, Vice Chair



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FOR MORE INFORMATION California's Petroleum Market

Transportation Fuels Data Analysis Unit

Weekly Fuels Watch

SPECIAL THANKS

Noemí Otilia Osuna Gallardo J. Andrew McAllister, Ph.D. **Patty Monahan**

The CEC welcomes feedback on Petroleum Watch.



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