



Independent Statistics and Analysis

**U.S. Energy Information
Administration**

FAQs for Form EIA-23L

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EIA-23L ESSENTIALS

What is Form EIA-23L?

Form EIA-23L is part of an annual study of crude oil and natural gas reserves and production in the United States. EIA sends the form to a representative sample of oil and gas operators each year, and their response is mandatory.

EIA uses the collected data to develop national and state estimates of reserves, which are published in the annual report [U.S. Crude Oil and Natural Gas Proved Reserves](#). The report informs policymakers, industry, and the general public about U.S. reserves and facilitates national energy policy decisions.

Form EIA-23L is referred to as the “Annual Report of Domestic Oil and Gas Reserves.”

Is it mandatory?

Yes. If your company is selected to participate in the study it must submit a completed form by the due date posted above. This is mandated under Title 15 U.S.C. §772(b), as amended. Failure to comply may result in civil and financial penalties (see page 2 of the form [instructions](#) for more detail).

Why was my company selected?

Companies are selected based on a combination of factors, including production volume, type, and location. Therefore, companies with lower production volume sometimes are selected based on their location or the type of fuel they produce.

What if my company does not have a reserves study?

There is no need to commission a reserves study to complete the form. If no study exists, submit your best reserves estimates.

What if the reserves information is not available by the due date?

Contact the EIA Survey Support Team at eia4usa@eia.gov or 1-855-342-4872 if you anticipate difficulty meeting the due date shown above.

What if my company is a parent or subsidiary company?

If you are unsure whether another part of your company submits or should submit a form, contact the EIA Survey Support Team at eia4usa@eia.gov or 1-855-342-4872 for clarification.

NEW FOR 2022

Are there any changes this year?

YES. Form EIA-23L has been redesigned for the 2022 Report Year. There are many changes to Form EIA-23L, but these changes have been implemented to reduce the burden of collecting and reporting proved reserves information.

A new spreadsheet version of Form EIA-23L has replaced the PDF version of Form EIA-23L and its E-file software - the Reserves Information Gathering System (RIGS). Respondents will no longer need to download or install the RIGS software. It has been discontinued.

What is the correct number format?

All numbers on the form are positive. If reserves decrease due to production, sales, or revisions, record the amounts as positive numbers in the appropriate columns. There should be no negative numbers on your form.

Do not include decimals on the form; round to the nearest whole number. If the nearest whole number is less than 500 barrels of liquids or 500,000 cubic feet of natural gas, record a zero or leave the item blank.

Why include comments in Form EIA-23L Column O?

The Comments Section on Parts 4 and 5 replace the need for attaching a Schedule B of Footnotes to Form EIA-23L. By including state and state/subdivision specific comments, you reduce the need for follow-up inquiries.

Please include comments when reporting:

- Revision increases/decreases greater than 2,500 MBbls of liquids or 15,000 MMCF of natural gas
- Sales and acquisitions—include the seller/buyer company and the date of the operator change
- Significant discoveries and extensions

What are proved reserves?

Proved reserves are the volume of liquids and natural gas recoverable from known reservoirs under existing operating and economic conditions. Reserves volumes are estimates, not precise measurements.

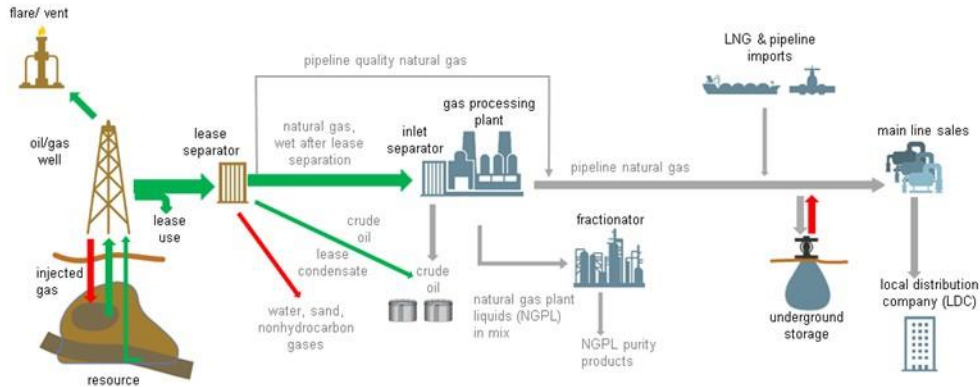
What should be included in natural gas production?

Production, Natural Gas: The volume of natural gas withdrawn from reservoirs during the survey year less:

- the volume returned to such reservoirs in cycling, repressuring of oil reservoirs and conservation operations
- the shrinkage resulting from the removal of lease condensate
- non-hydrocarbon gases where they occur in sufficient quantity to render the gas unmarketable.

Lease use and flared and vented gas are considered production and should be included in the volumes reported. Volumes of gas withdrawn from gas storage reservoirs and native gas, which has been transferred to the storage category, are not considered production.

What counts as Production when filling out Form EIA-23L?



Type of Natural Gas	Report in EIA-23L Production?	Effect on EIA-23L Proved Reserves
Hydrocarbons produced from wells, reported on B&Bths or Total Operated Basis	Yes	Included in Starting Reserves; Deducted from Ending Reserves
Gas Vented and Flared	Yes	Included in Starting Reserves; Deducted from Ending Reserves
Lease Use	Yes	Included in Starting Reserves; Deducted from Ending Reserves
Injected gas (cycling, repressuring of oil reservoirs and conservation operations)	No	Included in Starting and Ending Reserves
Gas produced from Storage	No	Gas volumes in storage are not included in Proved Reserves
Gas with high percentage of Non-hydrocarbons (Non-Marketable)	No	Include Gas, Exclude Non-hydrocarbons in Proved Reserves
Non-hydrocarbon gases (Carbon Dioxide, Helium, Hydrogen Sulfide, Nitrogen)	No	Not included in Proved Reserves

What is the difference between associated-dissolved gas and nonassociated gas?

Associated-dissolved gas is natural gas that is within crude oil reservoirs. It can be either free (associated gas) or mixed with the oil (dissolved gas). In most cases when a field contains both oil and natural gas, the gas is associated-dissolved gas.

Nonassociated gas is natural gas from reservoirs without significant volumes of crude oil. If a field contains natural gas and no oil, it is nonassociated gas.

On the 2022 Form EIA-23L, there is no need to differentiate between associated-dissolved and nonassociated natural gas production and proved reserves. Report the total of all natural gas production and proved reserves on Part 4, Columns I through N on Form EIA-23L.

What is lease condensate?

Sometimes liquid hydrocarbons are produced along with natural gas. The liquid is separated from the gas either in the field or downstream at gas processing plants. Lease condensate is the liquid separated in the field. It should not be mistaken for natural gas plant liquids, which are recovered later at processing plants.

On Form EIA-23L, lease condensate volumes for 2022 should be combined with your crude oil volumes on Parts 4 and 5.

How should acquisitions and divestitures be handled?

Divestitures: If your company sold or transferred operations of assets during the report year to another operator, you are no longer the operator of these properties. **Do not report production nor reserves for these properties.** Indicate that one or more properties were sold in Item 7 on Part 1 of Form EIA-23L.

7. In report year 2022, was your Company or any of its oil or gas properties sold, merged, or transferred to any other company(ies)? Select the one best answer.

- No → Proceed to Question 8
- Yes, entire Company sold/merged/transferred
- Yes, one or more properties sold/merged/transferred

Below, enter company name(s) your Company or properties were sold/merged/transferred to, state(s) where your Company's sold/merged/transferred properties are located, and final sale/merger/transfer date(s), proceed to Question 8

Example: Properties in CO, NM, UT sold/merged/transferred to XYZ Oil & Gas Inc. in March 2022
Properties in TX8 and NME sold to Permian Placeholder Production in April 2022

Then indicate the volume in thousands of barrels of proved reserves of crude oil and lease condensate sold or transferred on Part 4, column C; indicate the volume in millions of cubic feet of proved reserves of natural gas sold or transferred on Part 4, column J.

REPORT YEAR 2022		U.S. DEPARTMENT OF ENERGY ENERGY INFORMATION ADMINISTRATION Washington, DC 20585											OMB No. 1905-0057 Expiration Date: 02/28/2026 Product No. 2023.1 Burden: 31 hours			
REPORT YEAR 2022		FORM EIA-23L ANNUAL REPORT OF DOMESTIC OIL AND GAS RESERVES PART 4: TOTAL RESERVES AND PRODUCTION BY STATE											REPORT YEAR 2022			
Section Instructions														Comments		
Enter Production and Reserves data for TOTAL oil and condensate combined and TOTAL non-associated and associated-dissolved natural gas combined for 100% working interest of the properties you operate in each state.														Comments requested for Divestitures, Acquisitions, atypical values Reference column values by column letter Use as much space as needed Example: C: Sold 123 to ABC on 6/2022; K: Purchased 567 from XYZ on 6/2022		
Put any clarifying comments in the Comments space on the far right side of each row and use all the space needed. The gray shaded Subtotal rows are auto-calculated, please do not enter any values in them. Warnings/Errors are color coded. Look for error messages along the right edge of the form. Orange → Warning: Exceeds expected range Red → Error: Negative value See the Form EIA-23L instructions for more details.																
PART 4: TOTAL RESERVES AND PRODUCTION BY STATE																
State, Sub-Division, Area A	Total Crude Oil and Lease Condensate, MMBbl						Total Natural Gas, MMCF						Comments			
	Production MMBbls B	Divestitures MMBbls C	Acquisitions MMBbls D	Extensions and Discoveries MMBbls E	Total Producing Reserves MMBbls F	Total Non-Producing Reserves MMBbls G	Production MMCF I	Divestitures MMCF J	Acquisitions MMCF K	Extensions and Discoveries MMCF L	Total Producing Reserves MMCF M	Total Non-Producing Reserves MMCF N				
Nebraska																
New Mexico East			50					250								C: Sold to Permian Placeholder Production Co in April 2022 J: same sale as C
New Mexico West																
NEW MEXICO Subtotal (auto-calculated)	0	50	0	0	0	0	0	250	0	0	0	0	0	0		
New York																
North Dakota																
Ohio																
Oklahoma																
Pennsylvania																
South Dakota																
Texas RRC District 1																
Texas RRC District 2 Onshore																
Texas RRC District 3 Onshore																
Texas RRC District 4 Onshore																
Texas RRC District 5																
Texas RRC District 6																
Texas RRC District 7B																
Texas RRC District 7C																
Texas RRC District 9			400					2,000								C: Sold to Permian Placeholder Production Co in April 2022 J: same sale as C
Texas RRC District 9A																
Texas RRC District 9B																
Texas RRC District 10																
Texas State Offshore																
TEXAS Subtotal (auto-calculated)	0	400	0	0	0	0	0	2,000	0	0	0	0	0	0		

Acquisitions: If your company bought reserves assets during the year from another operator, then you became the new operator during 2022. Reserves and production for the acquired properties should be reported for the entire year. Indicate you made a purchase in Item 8 on Part 1 of Form EIA-23L.

8. During report year 2022, did your Company acquire any oil and gas operating companies or any properties from other companies? Select all that apply.

- No → Proceed to Question 9
- Yes, the Company(ies) listed in the box below were acquired
- Yes, one or more properties were acquired from Companies listed below

Below, enter company name(s) your Company acquired or acquired properties from, state(s) where the acquired Company or properties are located, and final sale/merger/transfer date(s), proceed to Question 9

Example: Properties in CO, NM, & UT acquired from ABC Oil & Gas Inc. in March 2022
2 properties (6 wells) acquired from Ulca Club LLC in OH in 10/2022

Then indicate the volume in thousands of barrels of proved reserves of crude oil and lease condensate acquired on Part 4, column D; indicate the volume in millions of cubic feet of proved reserves of natural gas acquired on Part 4, column K. Include the acquired reserves and production within your totals in columns B, F, and G.

REPORT YEAR 2022	FORM EIA-23L ANNUAL REPORT OF DOMESTIC OIL AND GAS RESERVES PART 4: TOTAL RESERVES AND PRODUCTION BY STATE	REPORT YEAR 2022
Section Instructions Enter Production and Reserves data for TOTAL oil and condensate combined and TOTAL non-associated and associated-dissolved natural gas combined for 100% working interest of the properties you operate in each state. Put any clarifying comments in the Comments space on the far right side of each row and use all the space needed. The gray shaded Subtotal rows are auto-calculated, please do not enter any values in them. Warnings/Errors are color coded. Look for error messages along the right edge of the form. Change => Warning: Exceeds expected range Red => Error: Negative value See the Form EIA-23L instructions for more details.		

State, Sub-Division, Area	PART 4: TOTAL RESERVES AND PRODUCTION BY STATE											Comments		
	Total Crude Oil and Lease Condensate, MBbls						Total Natural Gas, MMCF						Comments requested for Divestitures, Acquisitions, atypical values Reference column values by column letter Use as much space as needed <i>Example: C: Sold 123 to ABC on 6/2022; K: Purchased 567 from XYZ on 9/2022</i>	
	Production MBbls	Divestitures MBbls	Acquisitions MBbls	Extensions and Discoveries MBbls	Total Producing Reserves MBbls	Total Non- Producing Reserves MBbls	Production MMCF	Divestitures MMCF	Acquisitions MMCF	Extensions and Discoveries MMCF	Total Producing Reserves MMCF			Total Non-Producing Reserves MMCF
A	B	C	D	E	F	G	I	J	K	L	M	N	O	
Kansas														
Kentucky														
Louisiana North														
Louisiana South Onshore														
Louisiana State Offshore														
LOUISIANA Subtotal (auto-calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Michigan														
Mississippi														
Montana														
Nebraska														
New Mexico East														
New Mexico West														
NEW MEXICO Subtotal (auto-calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	
New York														
North Dakota														
Ohio							100		500	500	600	300		K: 2 wells, 4 PUD locations purchased from Utica Club LLC in October; L: New Utica shale well completed in May.
Oklahoma														
Pennsylvania														

NOTE: Since the example acquisition above comes from a *Shale Play* (the *Utica Shale Play* in Ohio), these volumes must also be reported on Part 5 of Form EIA-23L.

If my company sold reserves assets during the year do they need to be included on the form?

No, see the question above for how to correctly report sales and acquisitions.

What are proved nonproducing reserves?

Proved nonproducing reserves are reserves that meet the definition of proved but no volume of oil or gas was produced to surface during the Report Year. They include Proved Developed Nonproducing Reserves (Behind Pipe) and Proved Undeveloped Reserves (PUDs).

If a well produced oil or gas at any time during 2022, even if it is temporarily shut-in on December 31, 2022, its reserves should be considered proved developed producing reserves.

Reserves estimated from offset locations from an existing producing well that are drilled but uncompleted, and any undrilled locations that would be drilled and completed within a 5-year period, are considered proved nonproducing reserves.

On Form EIA-23L, proved nonproducing reserves of crude oil and lease condensate should be reported in column G. Proved nonproducing reserves of natural gas should be reported in column N.

SUBMIT THE FORM

How do I submit the completed Form EIA-23L?

Form EIA-23L should be completed and submitted electronically using EIA Secure File Transfer. Since proved reserves are sensitive company-level data, we do not recommend using unencrypted email.

Electronic: [Secure File Transfer](#) instead of email; see below for more information.

If you need help submitting the form, please contact the EIA Survey Support Team at eia4usa@eia.gov or 1-855-342-4872.

What is Secure File Transfer?

[Secure File Transfer](#)—an encrypted method for transmitting data files—must be used instead. It is simple to use: accept the terms to access the upload page, provide your contact information, upload your file(s), and submit. You will receive an emailed confirmation that your data has been received.

RESUBMISSIONS

What if my company's data changes?

If your company's data changes by more than five percent from already reported data, please resubmit the form as soon as possible. Guidelines for resubmissions are:

- Check the box on page 1 of the form indicating a resubmission
- Resubmit the entire form, not just the parts with changes
- Include a Comment explaining the changes

COMPANY CHANGES

What if my company is sold, merged with another company, or buys another company?

Please contact the EIA Survey Support Team at eia4usa@eia.gov or 1-855-342-4872 to report any changes to your company's structure. Also note changes in Part 1 of Form EIA-23L.

What if my company's contact person changes?

Please inform EIA of any change to your company's contact person or contact information. Register contact updates any time during the year with the EIA Survey Support Team at eia4usa@eia.gov or 1-855-342-4872.

Remember that the contact person should be knowledgeable about the reported data.

CONTACT EIA

What if I need more help?

- Contact the EIA Survey Support Team at eia4usa@eia.gov or 1-855-342-4872
- [EIA-23L Instructions](#)

FORM CHANGES FOR REPORT YEAR 2022

LIST OF REVISIONS TO FORM EIA-23L

Form EIA-23L has been renewed for Report Year 2022 with several significant changes. EIA made the following changes to Form EIA-23L, Annual Report of Domestic Oil and Natural Gas Proved Reserves:

Schedule A of Form EIA-23L, which collected annual proved reserves and production data for four fuel types (crude oil, associated-dissolved natural gas, non-associated natural gas, and lease condensate) on a county-level basis was changed to collect annual proved reserves and production data for two fuel types (crude oil plus lease condensate, and total natural gas) on a state/state subdivision-level basis.

Schedule A of Form EIA-23L, which used three reservoir type codes (C—conventional, LP—low permeability, and SH—shale) to subdivide county-level proved reserves data within Schedule A was changed to two separate report parts: Parts 4 and 5.

Part 4 collects the combined total of annual proved reserves and production data on a state- and state subdivision-level basis. Part 5 collects that portion of annual proved reserves and production data sourced only from identified major shale plays on a state- and state subdivision-level basis.

A fillable spreadsheet version of Form EIA-23L has replaced the PDF version of Form EIA-23L and its E-file software (the Reserves Information Gathering System (RIGS)). The burden hours for completing the new proposed Form EIA-23L is estimated to be an average of 31 hours, a reduction from an average burden of 45 hours for the previous version of Form EIA-23L which required county-level data collection and reporting for 4 fuel types and 3 reservoir types.

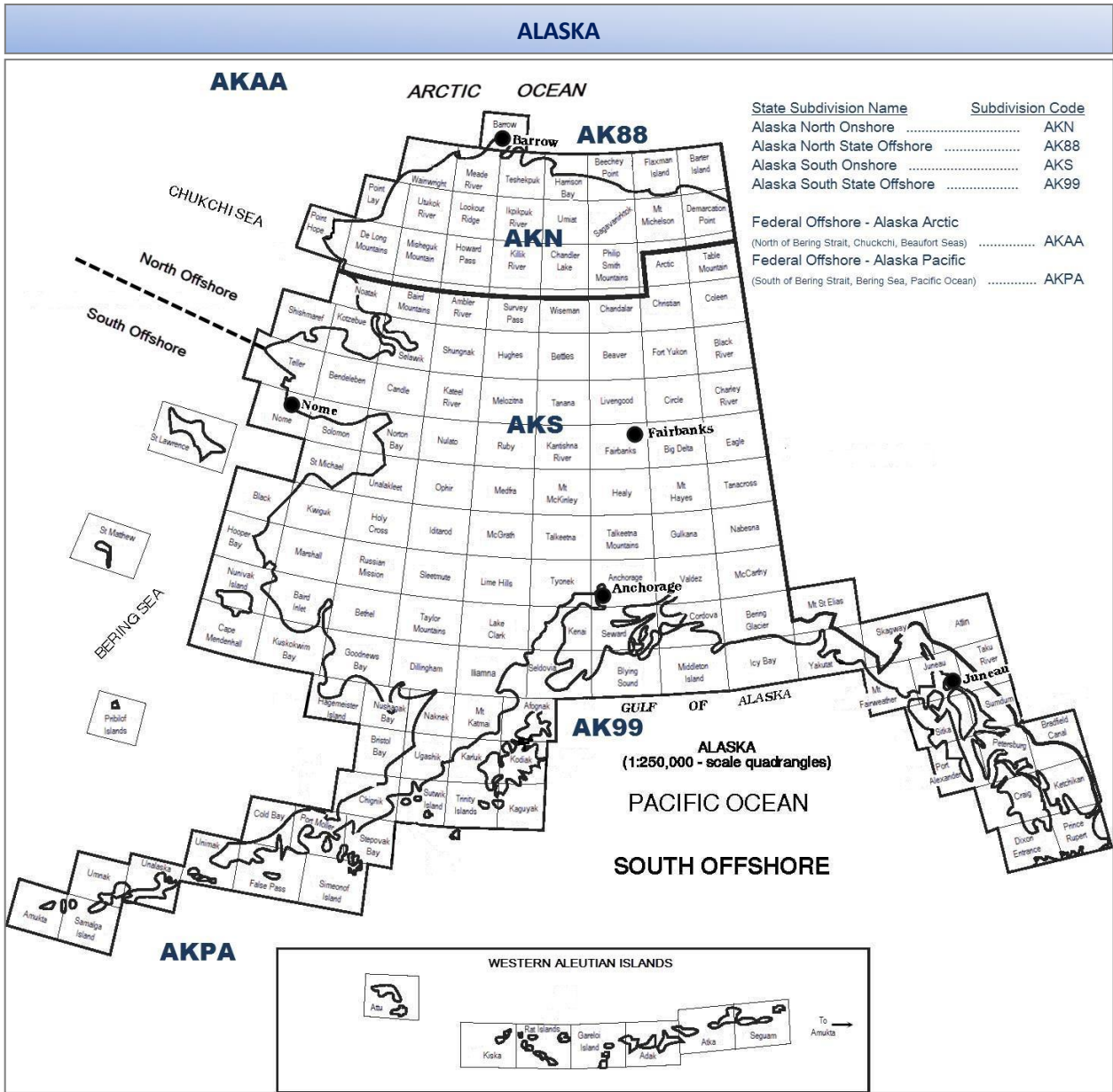
The term ***Divestitures*** is used to describe to the transfer or sale of proved reserves from a respondent to another operator during the report year. In previous years, EIA had used the term ***Sales*** for this volume.

FORMS and DATA ACQUISITION:

Form EIA-23L is now a Microsoft Excel-based fillable spreadsheet.

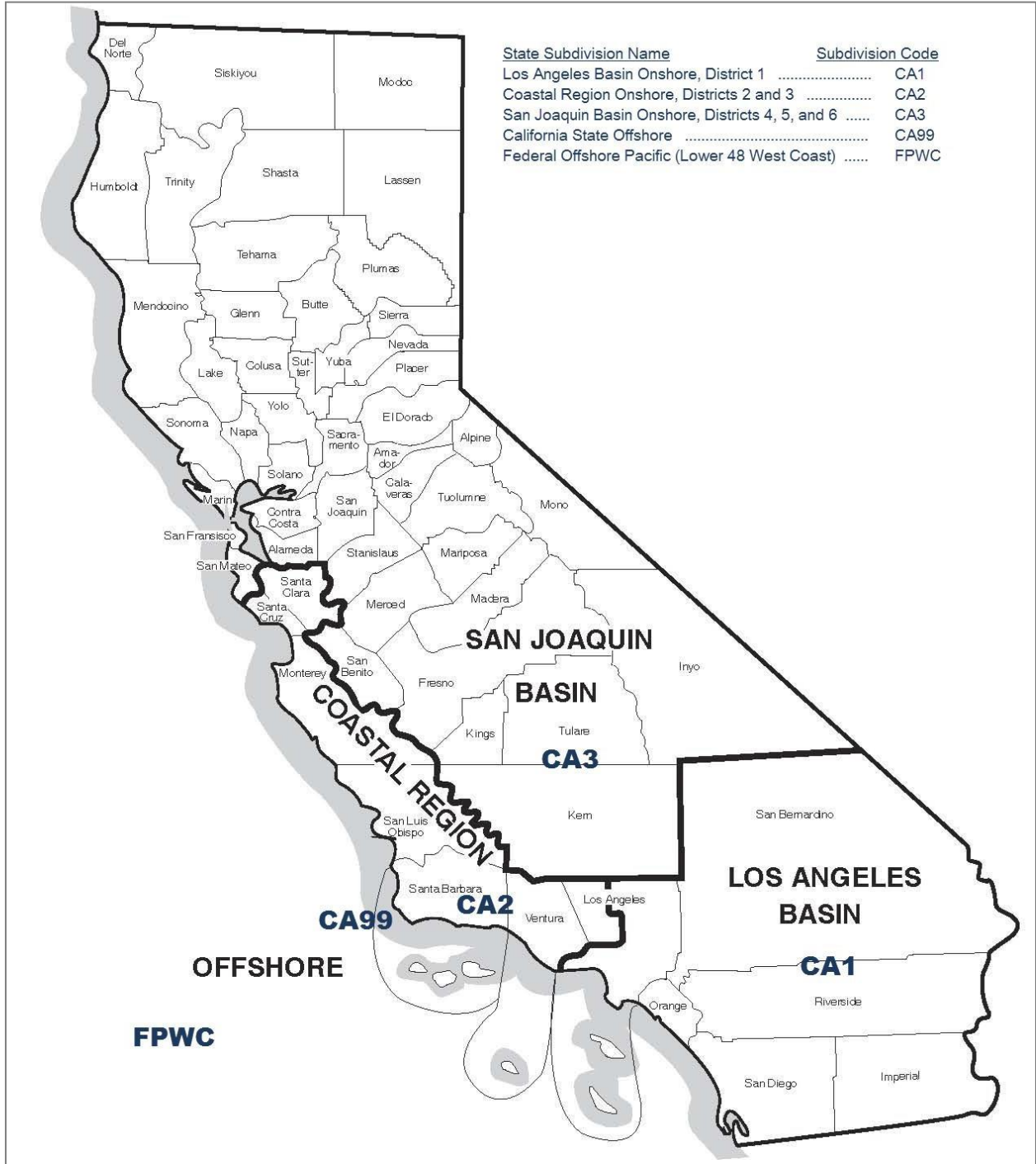
EIA has discontinued use of our Microsoft Access-based *Reserves Information Gathering System (RIGS)* software application.

MAPS of the current States with Subdivisions are included after this page.



Source: U.S. Energy Information Administration, Office of Energy Statistics.

CALIFORNIA



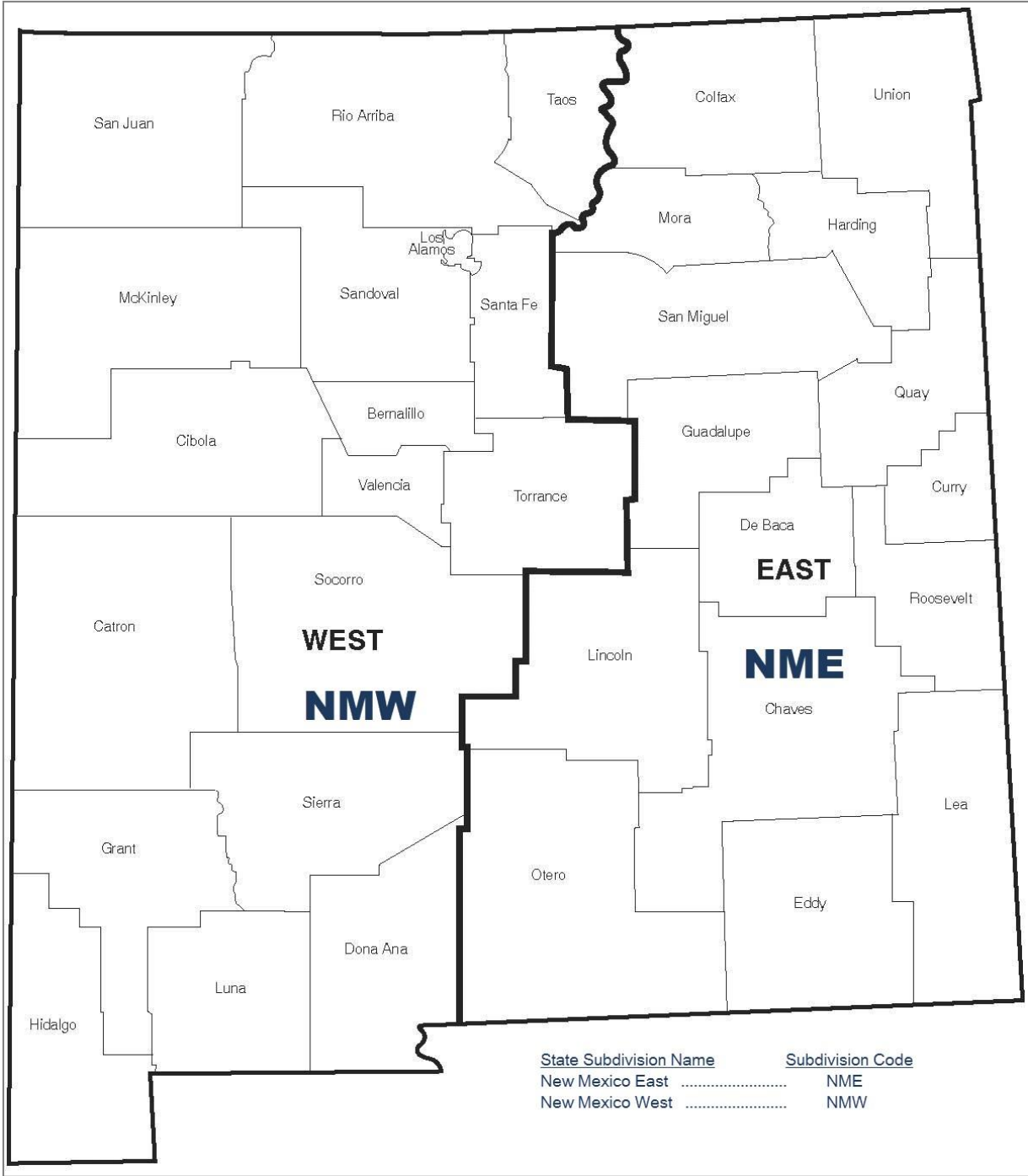
Source: U.S. Energy Information Administration, Office of Energy Statistics.

LOUISIANA



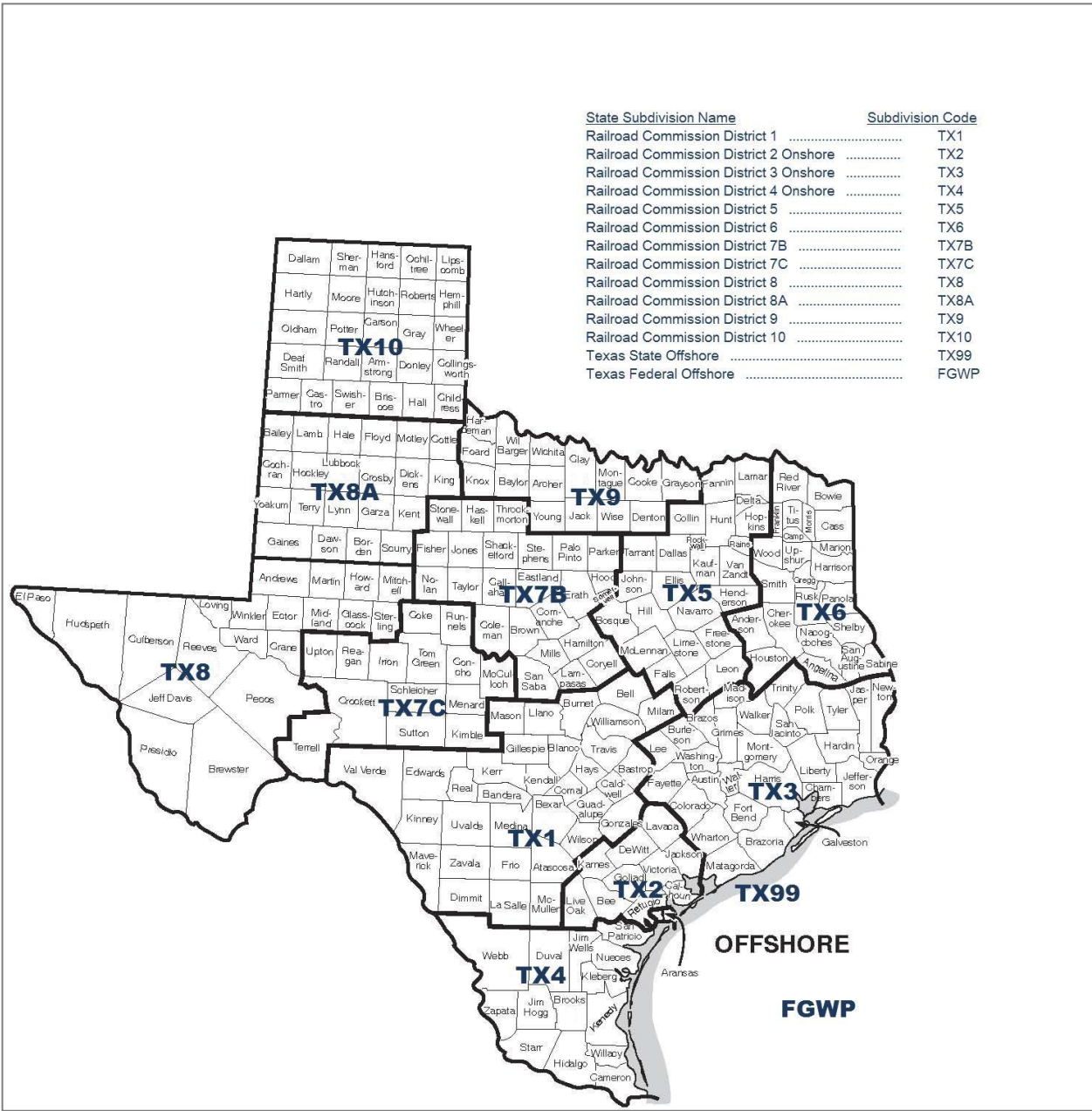
Source: U.S. Energy Information Administration, Office of Energy Statistics.

NEW MEXICO



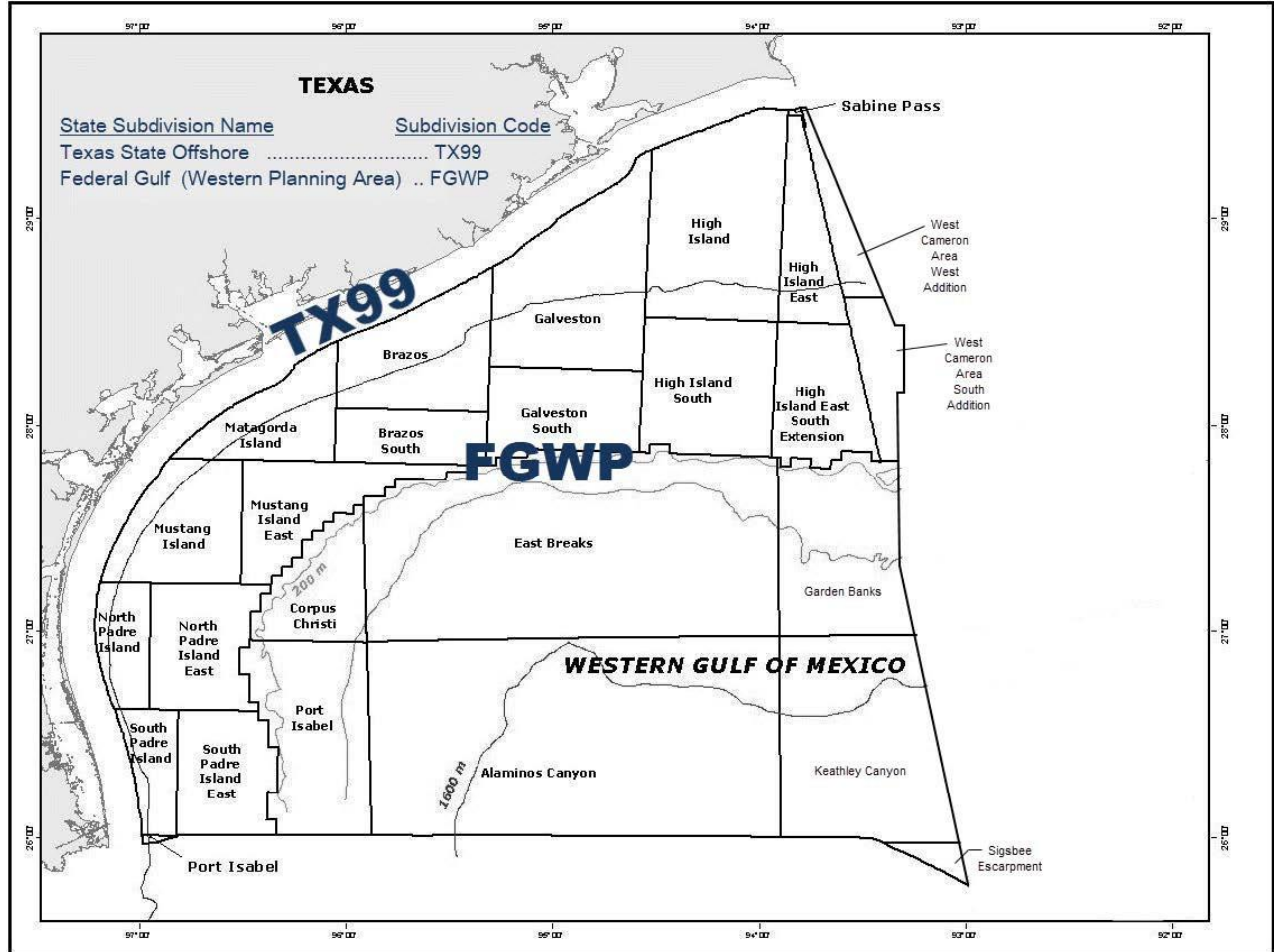
Source: U.S. Energy Information Administration, Office of Energy Statistics.

TEXAS



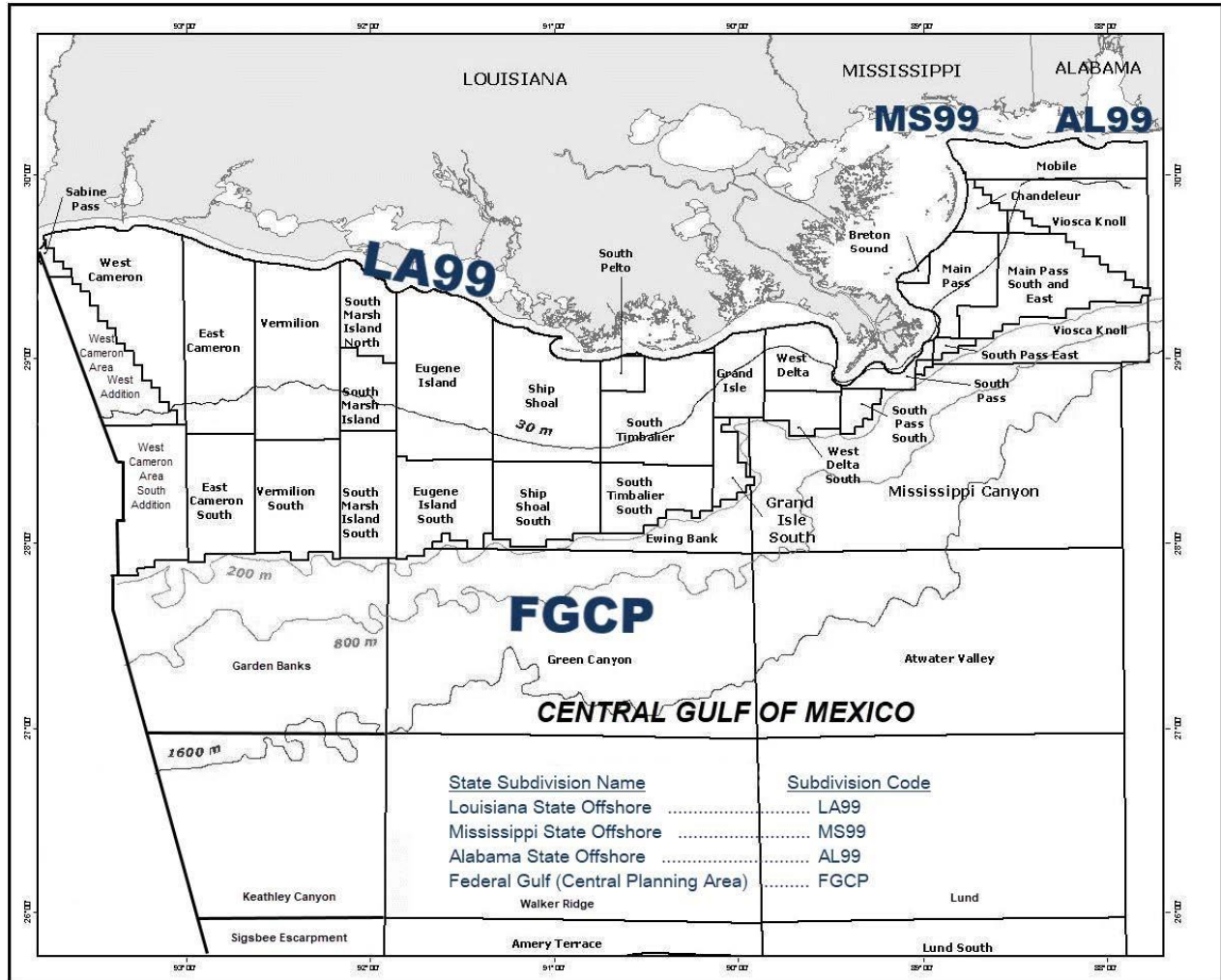
Source: U.S. Energy Information Administration, Office of Energy Statistics.

GULF OF MEXICO WESTERN PLANNING AREA



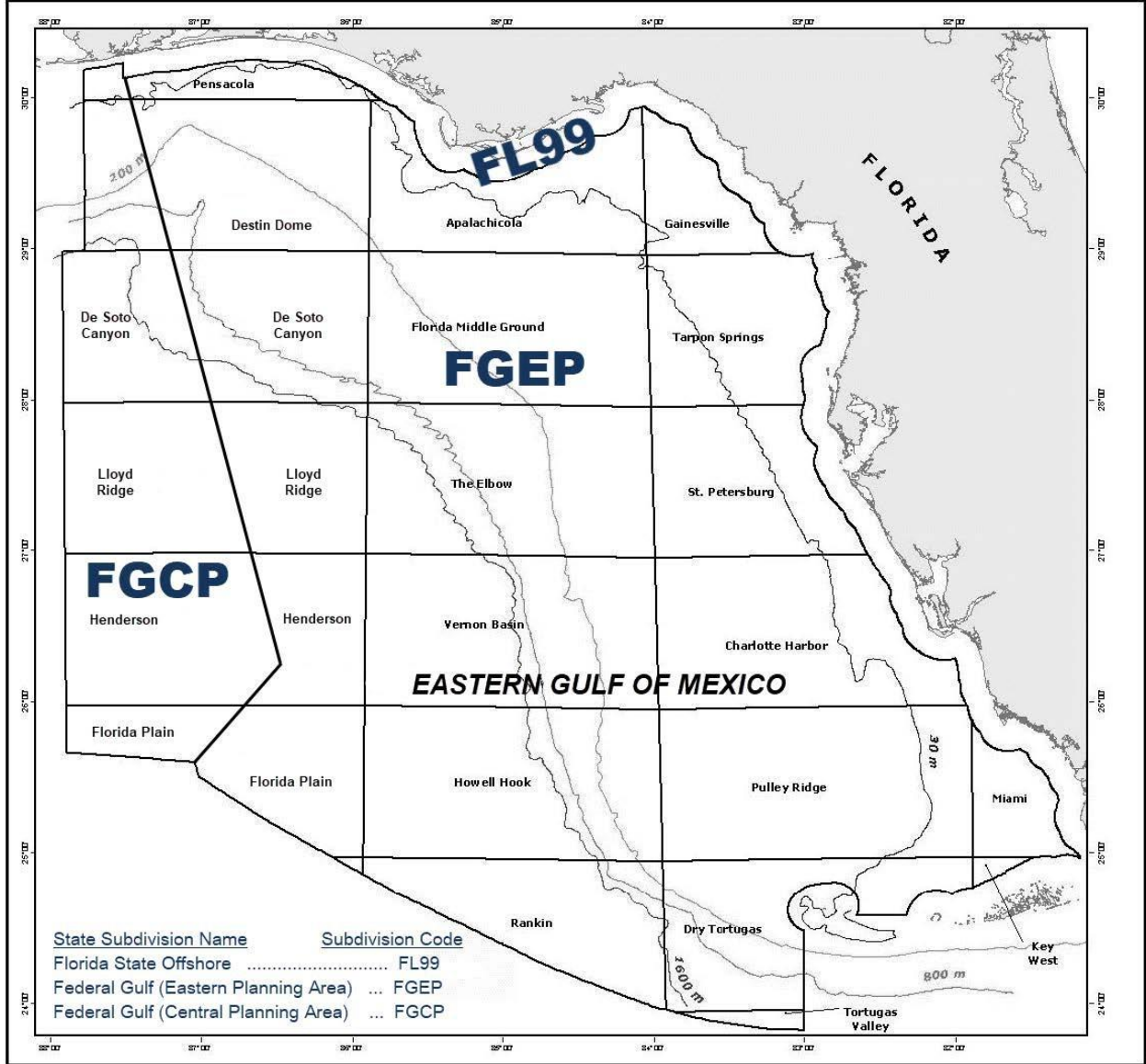
Source: U.S. Department of the Interior.

GULF OF MEXICO CENTRAL PLANNING AREA



Source: U.S. Department of the Interior.

GULF OF MEXICO EASTERN PLANNING AREA



Source: U.S. Department of the Interior.