2024 Uranium Marketing Annual Report

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Contacts

EIA's Electricity, Renewables, Coal & Nuclear Data Team prepared this report. If you have questions about this report, email us.

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Introduction

In this report, EIA provides detailed data on uranium marketing activities in the United States from 2020 through 2024 and summary data back to 2002.

Data in this report are based on information reported on Form EIA-858, *Uranium Marketing Annual Survey*. Form EIA-858 survey collects data on contracts, deliveries (during the report year and projected for the next 10 years), enrichment services purchased, inventories, use in fuel assemblies, feed deliveries to enrichers (during the report year and projected for the next 10 years), and unfilled market requirements for the next 10 years.

Previous editions of this report are available on our website.

Definitions for terms in this report are available in our Energy Glossary.

Uranium purchases and prices

Owners and operators of U.S. civilian nuclear power reactors (civilian owner/operators, or COOs) purchased a total of 55.9 million pounds U_3O_8e (equivalent[1]) of deliveries from U.S. suppliers and foreign suppliers during 2024 at a weighted-average price of $52.71 per pound U_3O_8e. The 2024 total of 55.9 million pounds U_3O_8e was 8% higher than the 2023 total of 51.6 million pounds U_3O_8e. The 2024 weighted-average price of $52.71 per pound U_3O_8e was 20% higher than the 2023 weighted-average price of $43.80 per pound U_3O_8e (Table 1) and the highest price since 2012.

The largest sources of uranium delivered in 2024 was of foreign origin with Canada the top source at 36% of total deliveries, followed closely by Kazakhstan (24%) and Australia (17%). Uzbekistan-origin material accounted for 9% of total deliveries, and Namibia-origin and Russian-origin material accounted for 4% of total deliveries each. United States material accounted for 8% of total deliveries in 2024, up from 5% in 2023 (Table 3).

COOs purchased three material types of uranium for 2024 deliveries from 35 sellers (Table 4 and Table 24). During 2024, 9% of the uranium delivered was purchased under spot contracts at a weighted-average price of $54.09 per pound. The remaining 91% was purchased under long-term contracts at a weighted-average price of $50.97 per pound (Table 7). Spot contracts are contracts with a one-time uranium delivery (usually) for the entire contract, and the delivery typically occurs within one year of contract execution (signed date). Long-term contracts are contracts with one or more uranium deliveries to occur at least a year following the contract execution (signed date) and as such may reflect some agreements of short and medium terms as well as longer term.

New and future uranium contracts

In 2024, COOs signed 21 new purchase contracts with deliveries in 2024 of 3 million pounds U_3O_8e at a weighted-average price of $86.20 per pound (Table 8).

COOs report minimum and maximum quantities of future deliveries under contract to allow for the option of either decreasing or increasing quantities. At the end of 2024, the maximum uranium deliveries for 2025 through 2034 under existing purchase contracts for COOs totaled 234 million pounds U_3O_8e (Table 10). Also at the end of 2024, unfilled uranium market requirements for 2024 through 2034 totaled 184 million pounds U_3O_8e (Table 11). These contracted deliveries and unfilled market requirements combined represent the maximum anticipated market requirements of 418 million pounds U_3O_8e over the next 10 years for COOs.

Uranium feed, enrichment services, and uranium loaded

In 2024, COOs delivered 42 million pounds U_3O_8e of natural uranium feed to U.S. and foreign enrichers. U.S. enrichment suppliers received 28% of the feed, and the remaining 72% was delivered to foreign

[1]Uranium quantities are expressed in the unit of measure U_3O_8e (equivalent). U_3O_8e is triuranium octoxide (or uranium concentrate) and the equivalent uranium-component of uranium hexafluoride (UF_6) and enriched uranium.

enrichment suppliers (Table 13). Fifteen million separative work units (SWU)[2] were purchased under enrichment services contracts from eight sellers in 2024 (Table 16, Table 25). The average price paid by the COOs for the 15 million SWU was $97.66 per SWU in 2024, down 9% from the $106.97 per SWU paid in 2023. In 2024, the U.S.-origin SWU share was 19%, and the foreign-origin SWU accounted for the remaining 81%. Foreign-origin SWU included 20% from Russia, 18% from France, 15% from the Netherlands, 9% from the United Kingdom, and 7% from Germany (Table 16).

Uranium in fuel assemblies loaded into U.S. civilian nuclear power reactors during 2024 contained 50.6 million pounds U_3O_8e, which is 10% more than the 46.1 million pounds loaded in 2023 (Table 18).

Uranium foreign purchases/sales and inventories

U.S. suppliers (brokers, converters, enrichers, fabricators, producers, and traders) and COOs purchase uranium each year from foreign suppliers. Together, foreign purchases totaled 36 million pounds U_3O_8e in 2024, and the weighted-average price was $57.99 per pound U_3O_8e (Table 19). U.S. suppliers and COOs also sold uranium to foreign suppliers. Together, foreign sales totaled 2 million pounds U_3O_8e in 2024, and the weighted-average price was $78.22 per pound U_3O_8e (Table 21).

Year-end commercial uranium inventories represent ownership of uranium in different stages of the nuclear fuel cycle (in-process for conversion, enrichment, or fabrication) at domestic or foreign nuclear fuel facilities. Total U.S. commercial inventories (including inventories owned by COOs, U.S. brokers, converters, enrichers, fabricators, producers, and traders) were 167 million pounds U_3O_8e at the end of 2024, a 6% increase from the 157 million pounds at the end of 2023. Commercial uranium inventories owned at the end of 2024 by COOs totaled 126 million pounds U_3O_8e, 11% higher than the 114 million pounds in inventories held at the end of 2023. Uranium inventories owned by U.S. suppliers (converters, enrichers, fabricators, producers, brokers, and traders) totaled 41 million pounds U_3O_8e at the end of 2024, down 5% from 2023 year-end levels (Table 22).

[2] Separative work unit (SWU): The standard measure of enrichment services. The effort expended in separating a mass F of feed of assay x_f into a mass P of product assay x_p and waste of mass W and assay x_w is expressed in terms of the number of separative work units needed, given by the expression SWU = $WV(x_w) + PV(x_p) - FV(x_f)$, where V(x) is the *value function*, defined as $V(x) = (1 - 2x)\ 1n((1 - x)/x)$.

Table S1a. Uranium purchased by owners and operators of U.S. civilian nuclear power reactors, 2002–2024

million pounds U_3O_8 equivalent

Delivery year	Total purchased	Purchased from U.S. producers	Purchased from U.S. brokers and traders	Purchased from other owners and operators of U.S. civilian nuclear power reactors, other U.S. suppliers, (and U.S. government for 2007) [1]	Purchased from foreign suppliers	U.S.-origin uranium	Foreign-origin uranium	Spot contracts [2]	Short, medium, and long-term contracts [3]
2002	**52.7**	1.5	13.4	5.7	**32.2**	**6.2**	**46.5**	**8.6**	**41.4**
2003	**56.6**	0.6	10.5	8.3	**37.2**	**10.2**	**46.4**	**8.2**	**46.7**
2004	**64.1**	0	13.2	12.2	**38.7**	**12**	**52**	**9**	**53.3**
2005	**65.7**	W	10.4	W	**39.4**	**11.0**	**54.7**	**6.9**	**58.8**
2006	**66.5**	0	13.9	12.6	**40.0**	**11**	**56**	**6**	**59.4**
2007	**51.0**	0	9.8	7.6	**33.5**	**4**	**47**	**7**	**43.7**
2008	**53.4**	0.6	9.4	6.3	**37.2**	**7.7**	**45.6**	**8.7**	**42.8**
2009	**49.8**	W	11.1	W	**36.8**	**7.1**	**42.8**	**8.1**	**41.0**
2010	**46.6**	0.4	11.7	1.9	**32.6**	**3.7**	**42.9**	**8.2**	**37.9**
2011	**54.8**	0.6	14.8	1.1	**38.4**	**5.2**	**49.6**	**12.0**	**42.3**
2012	**57.5**	W	11.5	W	**37.6**	**9.8**	**47.7**	**8.1**	**48.9**
2013	**57.4**	W	12.8	W	**37.4**	**9.5**	**47.9**	**11.3**	**46.1**
2014	**53.3**	W	17.1	W	**34.4**	**3.3**	**50.0**	**14.5**	**38.8**
2015	**56.5**	W	13.9	W	**38.2**	**3.4**	**53.1**	**11.3**	**43.2**
2016	**50.6**	W	7.9	W	**39.5**	**5.4**	**45.2**	**10.6**	**37.0**
2017	**43.0**	W	4.5	W	**34.4**	**2.9**	**40.1**	**6.2**	**36.6**
2018	**40.3**	W	3.9	W	**33.0**	**3.9**	**36.4**	**6.5**	**33.4**
2019	**48.3**	W	4.4	W	**39.2**	**W**	**W**	**10.5**	**37.8**
2020	**48.9**	W	6.4	W	**38.4**	**W**	**W**	**11.8**	**37.0**
2021	**46.7**	1.7	3.3	0.0	**41.6**	**2.5**	**44.3**	**9.0**	**37.8**
2022	**40.5**	W	W	0.0	**38.0**	**W**	**W**	**5.9**	**34.6**
2023	**51.6**	W	W	W	**49.6**	**2.4**	**49.2**	**7.7**	**43.9**
2024	**55.9**	W	W	W	**54.6**	**4.3**	**51.6**	**6.1**	**49.8**

- - = Not applicable. W = Data withheld to avoid disclosure of individual company data. NA = Not available.

[1] Includes purchases between owners and operators of U.S. civilian nuclear power reactors along with purchases from other U.S. suppliers which are U.S. converters, enrichers, and fabricators.

[2] Spot Contract: A one-time delivery (usually) of the entire contract to occur within one year of contract execution (signed date).

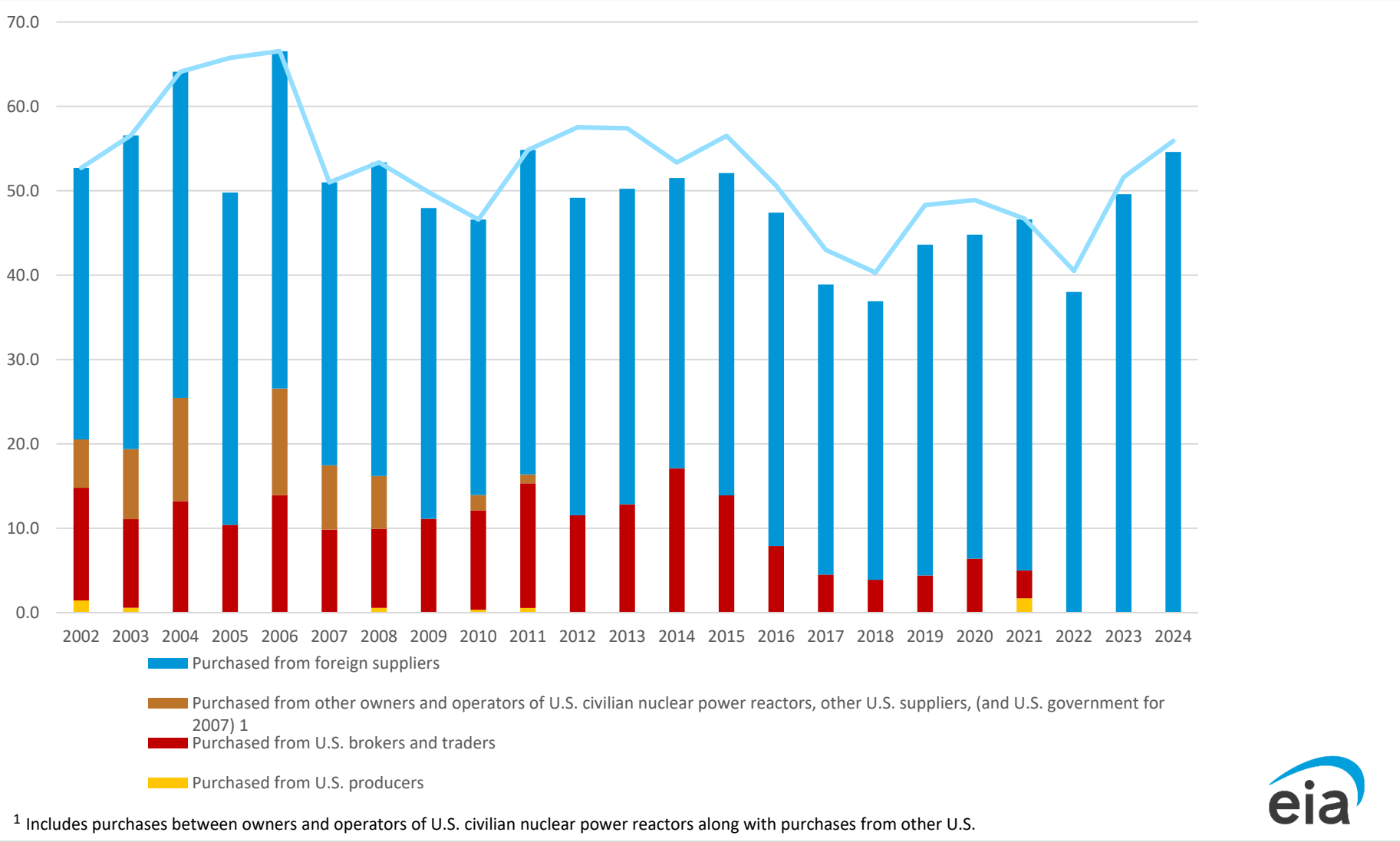
[3] Short-, Medium-, and Long-Term Contracts: One or more deliveries to occur after a year following contract execution (signed date).

Notes: *Other U.S. Suppliers* are U.S. converters, enrichers, and fabricators. Totals may not equal sum of components because of independent rounding.

Data Sources: U.S. Energy Information Administration: *Uranium Industry Annual*, Tables 10, 11 and 16, 2002. Form EIA-858, *Uranium Marketing Annual Survey,* 2002-2024

Figure S1. Uranium purchased by owners and operators of U.S. civilian nuclear power reactors, 2002–2024

million pounds U_3O_8e equivalent



[1] Includes purchases between owners and operators of U.S. civilian nuclear power reactors along with purchases from other U.S.

Table S1b. Weighted-average price of uranium purchased by owners and operators of U.S. civilian nuclear power reactors, 2002–2024

Delivery year	Total purchased (weighted-average price)	Purchased from U.S. producers	Purchased from U.S. brokers and traders	Purchased from other owners and operators of U.S. civilian nuclear power reactors, other U.S. suppliers[1]	Purchased from foreign suppliers	U.S.-origin uranium (weighted-average price)	Foreign-origin uranium (weighted-average price)	Spot contracts [2] (weighted-average price)	Short-, medium-, and long-term contracts [3] (weighted-average price)
2002	**10.36**	13.03	10.21	W	**10.37**	**10.89**	**10.29**	**9.29**	**10.58**
2003	**10.81**	14.17	11.05	10.16	**10.82**	**10.81**	**10.81**	**10.10**	**10.94**
2004	**12.61**	- -	12.08	11.30	**13.15**	**11.87**	**12.76**	**14.77**	**12.24**
2005	**14.36**	W	13.76	W	**14.70**	**15.11**	**14.21**	**20.04**	**13.70**
2006	**18.61**	- -	20.49	W	**18.62**	**17.85**	**18.75**	**39.48**	**16.38**
2007	**32.78**	- -	34.10	W	**32.36**	**28.89**	**33.05**	**88.25**	**24.45**
2008	**45.88**	75.16	39.62	W	**48.49**	**59.55**	**43.47**	**66.95**	**41.59**
2009	**45.86**	W	41.88	W	**46.68**	**48.92**	**45.35**	**46.45**	**45.74**
2010	**49.29**	47.13	44.98	42.24	**51.30**	**45.25**	**49.64**	**43.99**	**50.43**
2011	**55.64**	58.12	53.29	52.50	**56.60**	**52.12**	**55.98**	**54.69**	**55.90**
2012	**54.99**	W	54.44	W	**54.40**	**59.44**	**54.07**	**51.04**	**55.65**
2013	**51.99**	W	50.44	W	**51.93**	**56.37**	**51.13**	**43.83**	**54.00**
2014	**46.16**	W	42.90	W	**47.62**	**48.11**	**46.03**	**36.64**	**49.73**
2015	**44.13**	52.35	44.67	W	**44.66**	**43.86**	**44.14**	**36.80**	**46.04**
2016	**42.43**	48.86	50.56	W	**44.85**	**43.92**	**42.26**	**29.62**	**46.11**
2017	**38.80**	48.77	41.80	20.02	**41.16**	**35.55**	**39.04**	**22.36**	**40.99**
2018	**38.81**	46.59	52.51	W	**39.82**	**45.26**	**38.11**	**27.51**	**40.99**
2019	**35.59**	W	48.16	W	**36.28**	**W**	**W**	**27.89**	**37.73**
2020	**33.27**	W	30.09	W	**35.27**	**W**	**W**	**28.70**	**34.74**
2021	**33.91**	W	W	0.00	**33.25**	**43.04**	**33.40**	**30.56**	**34.71**
2022	**39.08**	W	W	0.00	**39.78**	**W**	**W**	**40.70**	**38.81**
2023	**43.80**	W	W	W	**42.80**	**40.63**	**43.95**	**51.64**	**42.42**
2024	**52.71**	W	W	W	**52.99**	**42.17**	**53.60**	**71.92**	**50.36**

- - = Not applicable. W = Data withheld to avoid disclosure of individual company data. NA = Not available.

[1] Includes purchases between owners and operators of U.S. civilian nuclear power reactors along with purchases from other U.S. suppliers, which are U.S. converters, enrichers, and fabricators.

[2] Spot contract: A one-time delivery (usually) of the entire contract to occur within one year of contract execution (signed date).

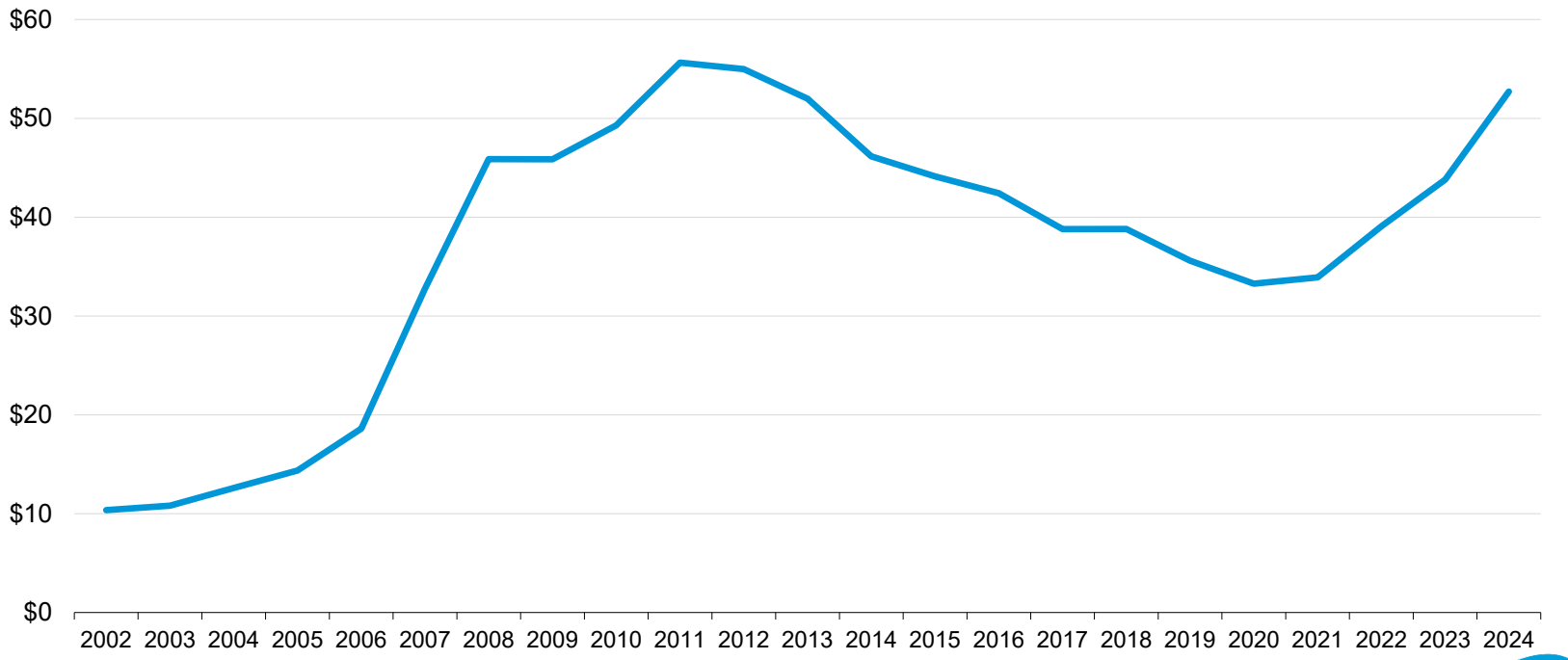
[3] Short-, medium-, and long-term contracts: One or more deliveries to occur after a year following contract execution (signed date).

Notes: *Other U.S. suppliers* are U.S. converters, enrichers, and fabricators. Totals may not equal sum of components because of independent rounding. Weighted-average prices are not adjusted for inflation.

Data source: U.S. Energy Information Administration, *Uranium Industry Annual*, Tables 10, 11 and 16, 2002, and Form EIA-858, *Uranium Marketing Annual Survey*, 2002–2024

Figure S2. Uranium purchased by owners and operators of U.S. civilian nuclear power reactors, 2002–2024

million pounds U_3O_8e equivalent



Data sources: U.S. Energy Information Administration, *Uranium Industry Annual* reports, 2002. Form EIA-858, *Uranium Marketing Annual Survey*, 2002-2024

Table S2. Uranium feed deliveries, enrichment services, and uranium loaded by owners and operators of U.S. civilian nuclear power reactors, 2002–2024

	Million pounds U3O8 equivalent		Million separative work units (SWU)			
Year	Feed deliveries by owners and operators of U.S. civilian nuclear power reactors	Uranium in fuel assemblies loaded into U.S. civilian nuclear power reactors	U.S.-origin enrichment services purchased	Foreign-origin enrichment services purchased	Total purchased enrichment services	Average price (US$ per SWU)
2002	54.7	57.2	1.7	9.8	**11.5**	-
2003	49.3	62.3	1.7	10.3	**12.0**	-
2004	53.4	50.1	1.4	10.4	**11.8**	-
2005	52.9	58.3	1.1	10.3	**11.4**	-
2006	56.6	51.7	1.6	11.8	**13.4**	**106.57**
2007	49.0	45.5	1.5	12.7	**14.2**	**114.58**
2008	43.4	51.3	1.9	10.7	**12.6**	**121.33**
2009	51.9	49.4	4.1	13.1	**17.2**	**130.78**
2010	45.5	44.3	2.3	11.5	**13.8**	**136.14**
2011	51.3	50.9	2.4	12.4	**14.8**	**136.12**
2012	52.1	49.5	3.3	12.3	**15.6**	**141.36**
2013	47.4	42.6	3.9	8.5	**12.3**	**142.22**
2014	41.9	50.5	3.8	9.2	**12.9**	**140.75**
2015	41.4	47.4	4.1	8.8	**12.9**	**136.88**
2016	43.1	42.5	4.8	9.5	**14.3**	**131.00**
2017	33.8	45.5	5.6	7.3	**12.9**	**125.43**
2018	33.4	50.4	5.0	10.0	**15.0**	**115.42**
2019	38.3	43.2	5.3	8.0	**13.3**	**109.54**
2020	34.4	48.6	4.1	10.0	**14.1**	**99.51**
2021	34.2	44.4	2.7	11.5	**14.2**	**99.54**
2022	34.6	44.4	3.9	10.3	**14.2**	**101.03**
2023	33.5	43.9	4.3	10.9	**15.2**	**106.97**
2024	42.3	53.6	2.9	12.3	**15.2**	**97.66**

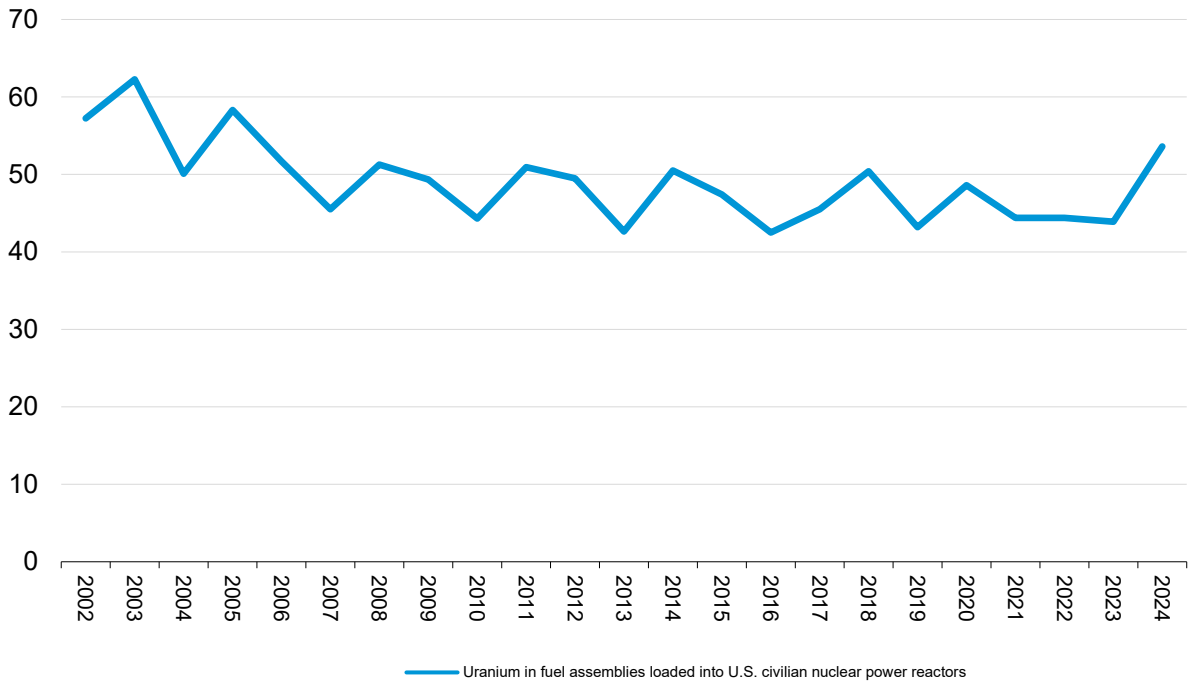
- = No data reported.

Notes: Totals may not equal sum of components because of independent rounding. Average prices are not adjusted for inflation.

Data sources: U.S. Energy Information Administration, *Uranium Industry Annual*, Tables 22, 23, 25, and 27, 2002, and Form EIA-858, *Uranium Marketing Annual Survey*, 2002–2024

Figure S3. Uranium loaded into U.S. civilian nuclear power reactors, 2002–2024

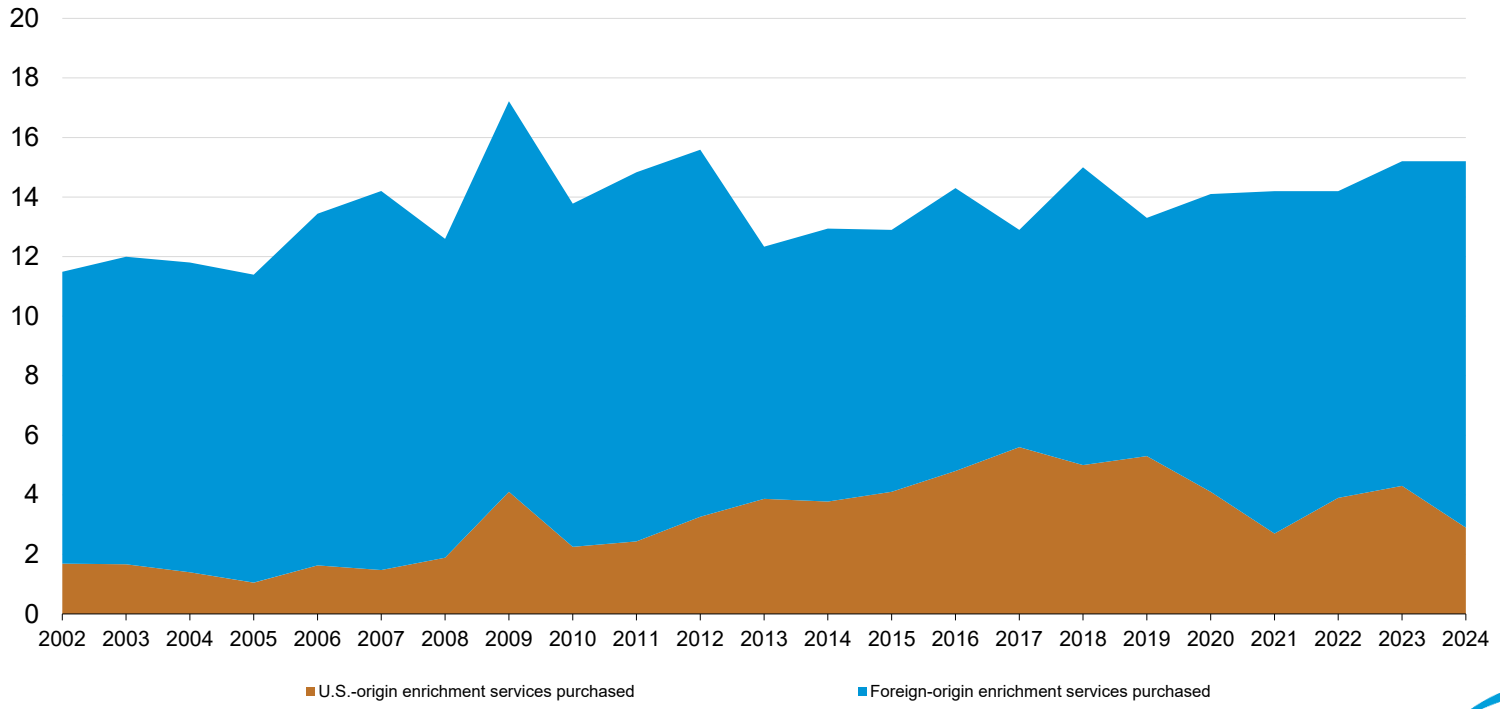
million pounds U3O8 equivalent



Data sources: U.S. Energy Information Administration, *Uranium Industry Annual* reports, 2002. Form EIA-858, *Uranium Marketing Annual Survey*, 2002-2024

Figure S4. Uranium enrichment services purchased by owners and operators of U.S. civilian nuclear power reactors, 2002–2024

million separative work units (SWU)



Data sources: U.S. Energy Information Administration, *Uranium Industry Annual* reports, 2002. Form EIA-858, *Uranium Marketing Annual Survey*, 2002-2024

Table S3a. Foreign purchases, foreign sales, and uranium inventories owned by U.S. suppliers and owners and operators of U.S. civilian nuclear power reactors, 2002–2024

million pounds U3O8 equivalent

Delivery year	Foreign purchases by U.S. suppliers	Foreign purchases by owners and operators of U.S. civilian nuclear power reactors	Total foreign purchases	U.S. broker and trader purchases from foreign suppliers	Foreign sales	U.S. supplier owned uranium inventories	Owners and operators of U.S. civilian nuclear power reactors owned uranium inventories	Total commercial uranium inventories
2002	22.7	30.0	**52.7**	**18.6**	**15.4**	48.7	53.5	**102.1**
2003	18.2	34.9	**53.0**	**15.8**	**13.2**	39.9	45.6	**85.5**
2004	30.2	35.9	**66.1**	**26.4**	**13.2**	37.5	57.7	**95.2**
2005	27.0	38.5	**65.5**	**24.0**	**20.5**	29.1	64.7	**93.8**
2006	26.1	38.7	**64.8**	**24.0**	**18.7**	29.1	77.5	**106.6**
2007	21.6	32.5	**54.1**	**18.9**	**14.8**	31.2	81.2	**112.4**
2008	24.1	32.9	**57.1**	**21.3**	**17.2**	27.0	83.0	**110.0**
2009	26.7	32.2	**58.9**	**26.8**	**23.5**	26.8	84.8	**111.5**
2010	25.0	30.4	**55.3**	**24.7**	**23.1**	24.7	86.5	**111.3**
2011	19.3	35.1	**54.4**	**19.6**	**16.7**	22.3	89.8	**112.1**
2012	20.2	36.0	**56.2**	**20.2**	**18.0**	23.3	97.6	**120.9**
2013	23.2	34.1	**57.3**	**W**	**18.9**	21.3	113.1	**134.4**
2014	24.2	34.4	**58.6**	**W**	**20.0**	18.7	114.0	**132.7**
2015	27.2	36.9	**64.1**	**26.1**	**25.7**	14.3	121.1	**135.5**
2016	22.1	28.5	**50.7**	**22.1**	**17.2**	16.7	128.0	**144.6**
2017	16.9	25.2	**42.1**	**14.1**	**14.0**	17.8	123.9	**141.7**
2018	18.3	23.2	**41.5**	**18.9**	**13.9**	19.3	111.2	**130.5**
2019	21.2	21.8	**42.9**	**20.8**	**11.7**	17.5	113.1	**130.7**
2020	15.0	24.6	**39.6**	**14.4**	**9.9**	24.2	106.7	**131.0**
2021	17.0	24.3	**41.3**	**16.6**	**7.5**	33.2	108.5	**141.7**
2022	10.1	22.0	**32.1**	**9.6**	**2.5**	40.7	102.4	**143.1**
2023	8.3	23.7	**32.0**	**7.6**	**1.4**	42.1	110.0	**152.1**
2024	13.7	24.4	**36.4**	**13.4**	**2.1**	41.0	126.4	**167.4**

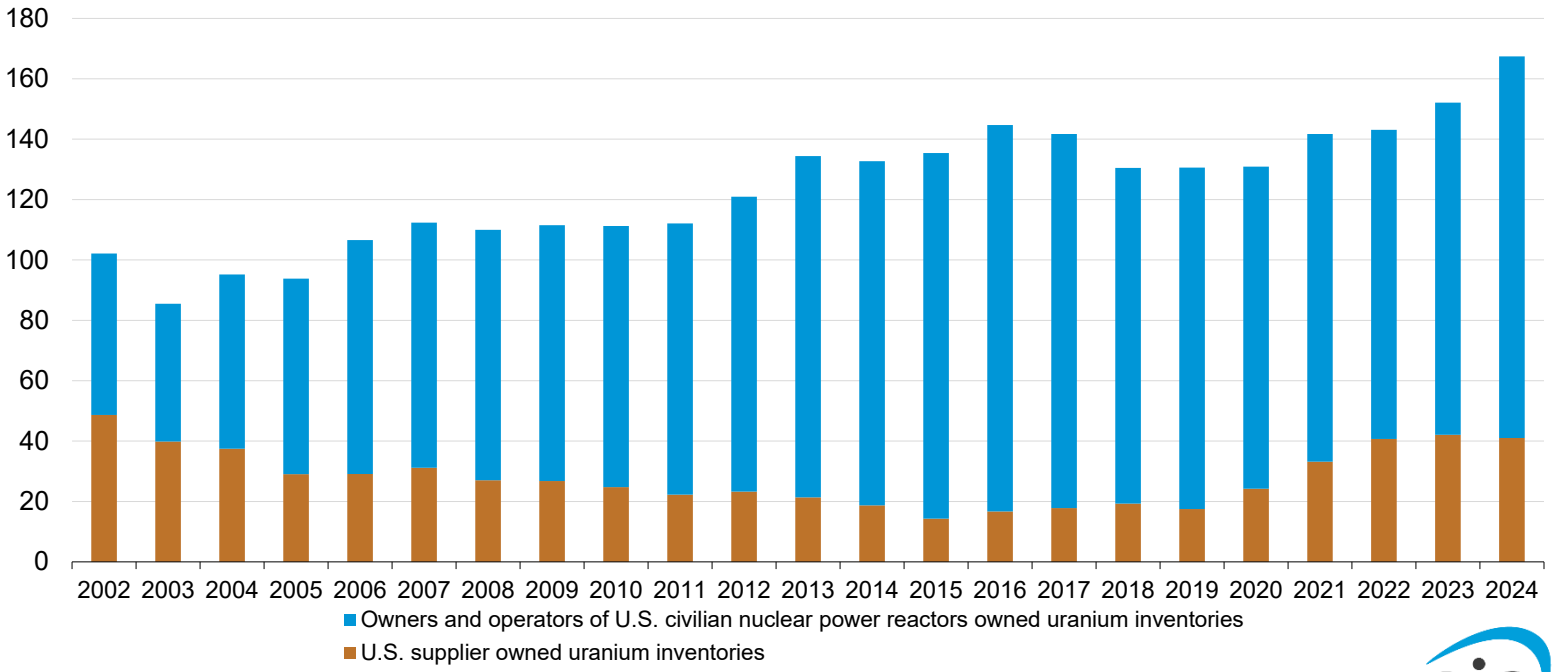
W = Data withheld to avoid disclosure of individual company data.

Notes: Totals may not equal sum of components because of independent rounding. Foreign purchase: A uranium purchase of foreign-origin uranium from a firm located outside the United States. Foreign sale: A uranium sale to a firm located outside the United States.

Data sources: U.S. Energy Information Administration: *Uranium Industry Annual*, Tables 28, 29, 30 and 31, 2002. Form EIA-858, *Uranium Marketing Annual Survey*, 2002–2024

Figure S4. Total commercial uranium inventories of U.S. suppliers and owners and operators of U.S. civilian nuclear power reactors, 2002–2024

million pounds U3O8 equivalent



Data sources: Energy Information Administration, *Uranium Industry Annual* reports, 2002. Form EIA-858 *Uranium Marketing Annual Survey,* 2002–2024

Table S3b. Weighted-average price of foreign purchases and foreign sales by U.S. suppliers and owners and operators of U.S. civilian nuclear power reactors, 2002–2024

Delivery year	Foreign purchases by U.S. suppliers	Foreign purchases by owners and operators of U.S. civilian nuclear power reactors	Total foreign purchases (weighted-average price)	U.S. broker and trader purchases from foreign suppliers (weighted-average price)	Foreign sales (weighted-average price)
2002	9.65	10.37	**10.05**	**9.59**	**10.04**
2003	10.19	10.79	**10.59**	**10.19**	**10.39**
2004	11.21	13.13	**12.25**	**11.15**	**12.63**
2005	15.11	14.63	**14.83**	**15.68**	**20.70**
2006	20.28	18.66	**19.31**	**21.61**	**32.87**
2007	36.59	32.58	**34.18**	**39.88**	**55.47**
2008	33.30	47.46	**41.30**	**35.39**	**45.62**
2009	34.80	46.55	**41.23**	**34.88**	**41.48**
2010	41.30	51.69	**47.01**	**41.23**	**42.78**
2011	48.80	56.87	**54.00**	**49.27**	**49.05**
2012	46.80	54.08	**51.44**	**47.08**	**47.57**
2013	43.25	51.64	**48.24**	**W**	**42.75**
2014	39.13	47.62	**44.11**	**W**	**35.69**
2015	40.68	44.70	**42.96**	**40.77**	**39.29**
2016	36.03	44.08	**40.45**	**36.09**	**33.66**
2017	31.11	41.12	**37.09**	**29.93**	**25.19**
2018	30.90	39.32	**35.73**	**30.84**	**26.02**
2019	33.17	36.28	**34.77**	**33.43**	**27.16**
2020	31.27	35.33	**33.79**	**31.51**	**29.57**
2021	33.19	33.30	**33.26**	**33.53**	**35.82**
2022	42.48	39.40	**40.31**	**42.36**	**54.65**
2023	40.04	42.48	**41.88**	**39.28**	**71.56**
2024	63.60	54.64	**57.99**	**62.58**	**78.22**

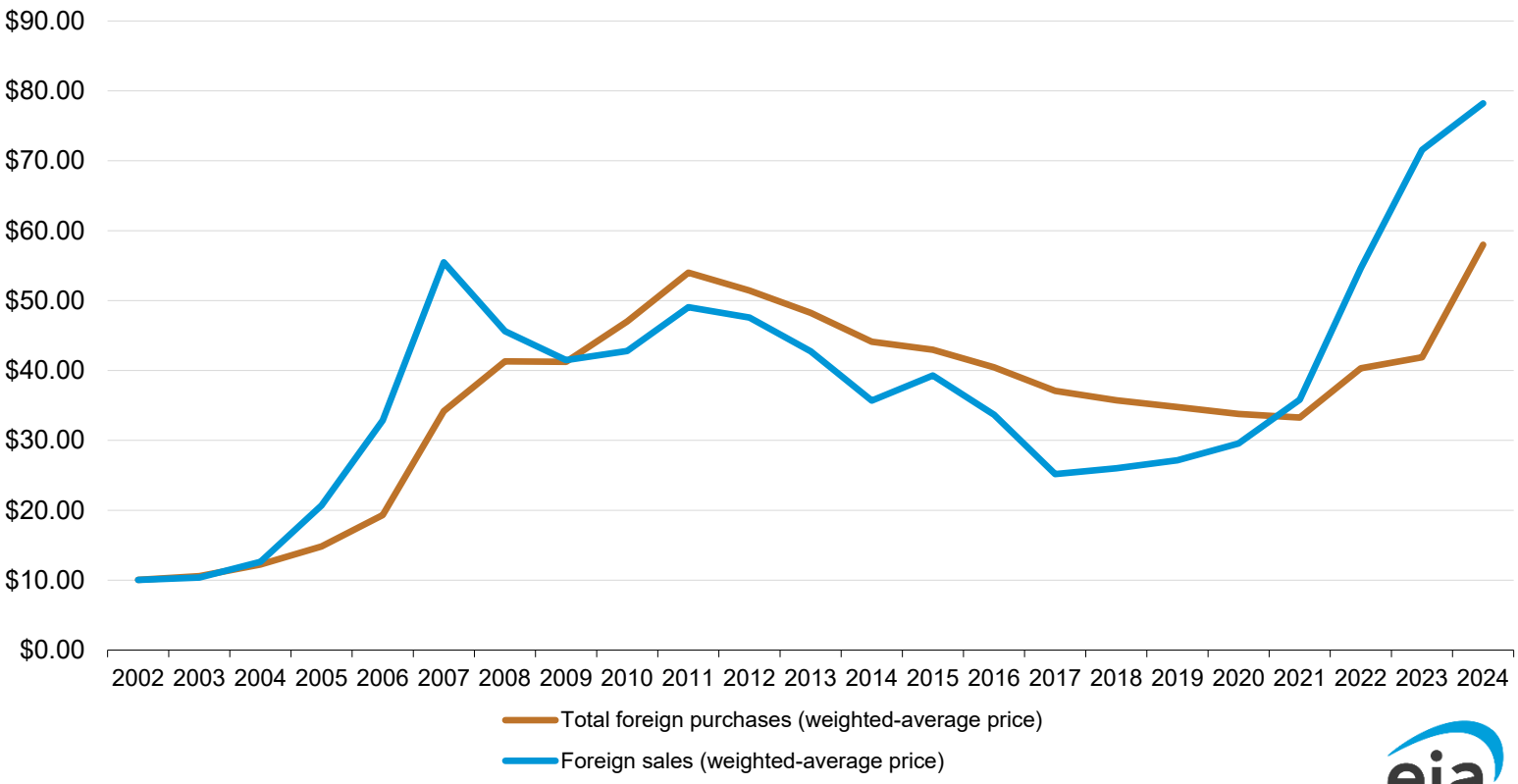
W = Data withheld to avoid disclosure of individual company data.

Notes: Totals may not equal sum of components because of independent rounding. Foreign purchase: A uranium purchase of foreign-origin uranium from a firm located outside the United States. Foreign sale: A uranium sale to a firm located outside the United States. Weighted-average prices are not adjusted for inflation.

Data sources: U.S. Energy Information Administration, *Uranium Industry Annual,* Tables 28, 29, 30, and 31, 2002, and Form EIA-858, *Uranium Marketing Annual Survey*, 2002–2024

Figure S6. Weighted-average price of foreign purchases and foreign sales of uranium, 2002–2024

dollars per pound U3O8 equivalent



Data sources: U.S. Energy Information Administration, *Uranium Industry Annual* reports, 2002. Form EIA-858, *Uranium Marketing Annual Survey,* 2002–2024

Table 1. Uranium purchased by owners and operators of U.S. civilian nuclear power reactors by supplier and delivery year, 2020–2024

thousand pounds U3O8 equivalent; dollars per pound U3O8 equivalent

Deliveries	2020	2021	2022	2023	2024
Purchased from U.S. producers					
Purchases of U.S.-origin and foreign-origin uranium	891	1,650	W	W	W
Weighted-average price	36.01	32.32	W	W	W
Purchased from U.S. brokers and traders					
Purchases of U.S.-origin and foreign-origin uranium	6,412	3,308	W	W	W
Weighted-average price	30.09	39.67	W	W	W
Purchased from other owners and operators of U.S. civilian nuclear power reactors					
Purchases	0	0	W	W	W
Weighted-average price	0	0	W	W	W
Purchased from other U.S. suppliers					
Purchases of U.S.-origin and foreign-origin uranium	404	195	W	W	W
Weighted-average price	40.46	28.99	W	W	W
Purchased from foreign suppliers					
Purchases of U.S.-origin and foreign-origin uranium	38,418	41,583	38,009	49,622	54,551
Weighted-average price	35.27	33.35	39.78	42.80	**52.99**
Total purchased by owners and operators of U.S. civilian nuclear power reactors					
Purchases of U.S.-origin and foreign-origin uranium	**48,934**	**46,736**	**40,519**	**51,625**	**55,921**
Weighted-average price	**33.27**	**33.91**	**39.08**	**43.80**	**52.71**

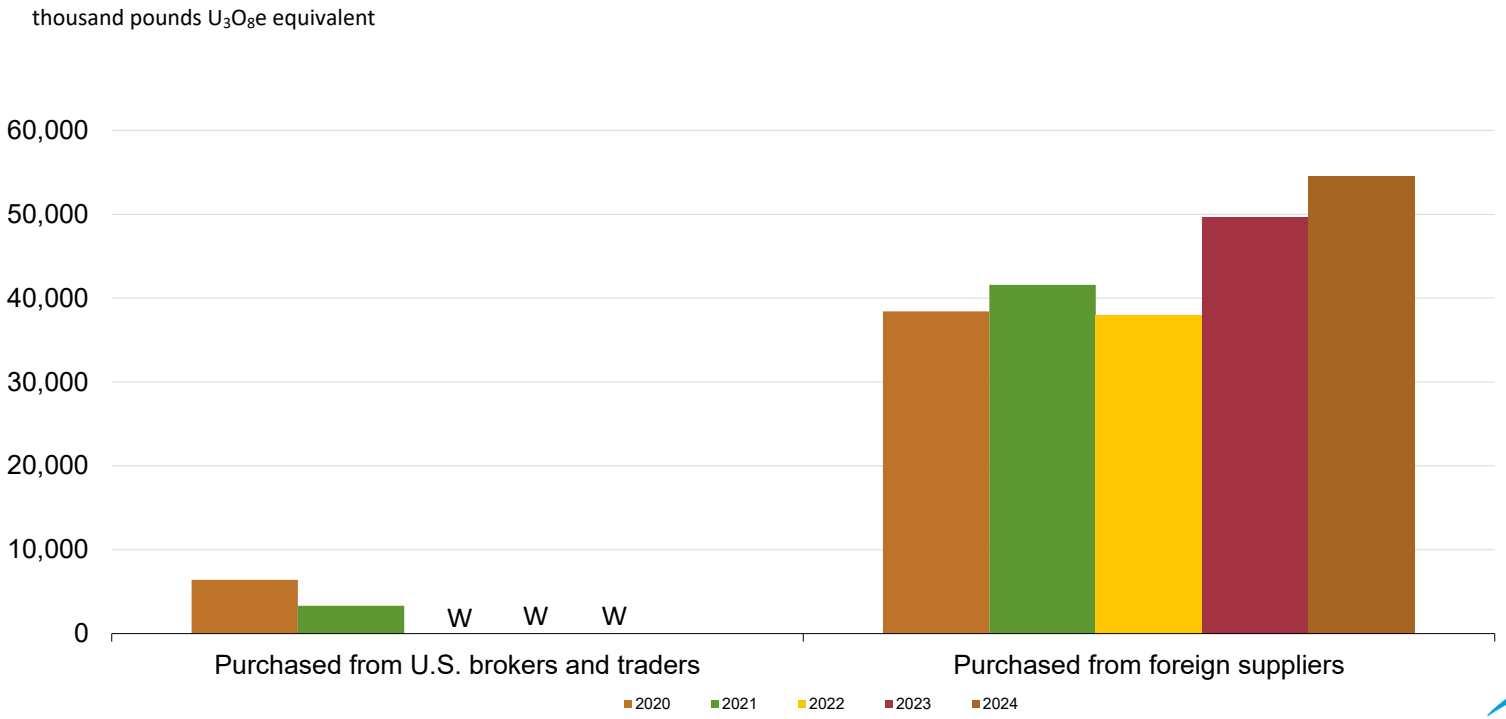
W = Data withheld to avoid disclosure of individual company data.

-- = Not applicable.

Notes: *Other U.S. suppliers* are U.S. converters, enrichers, and fabricators. Totals may not equal sum of components because of independent rounding.
Weighted-average prices are not adjusted for inflation.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024)

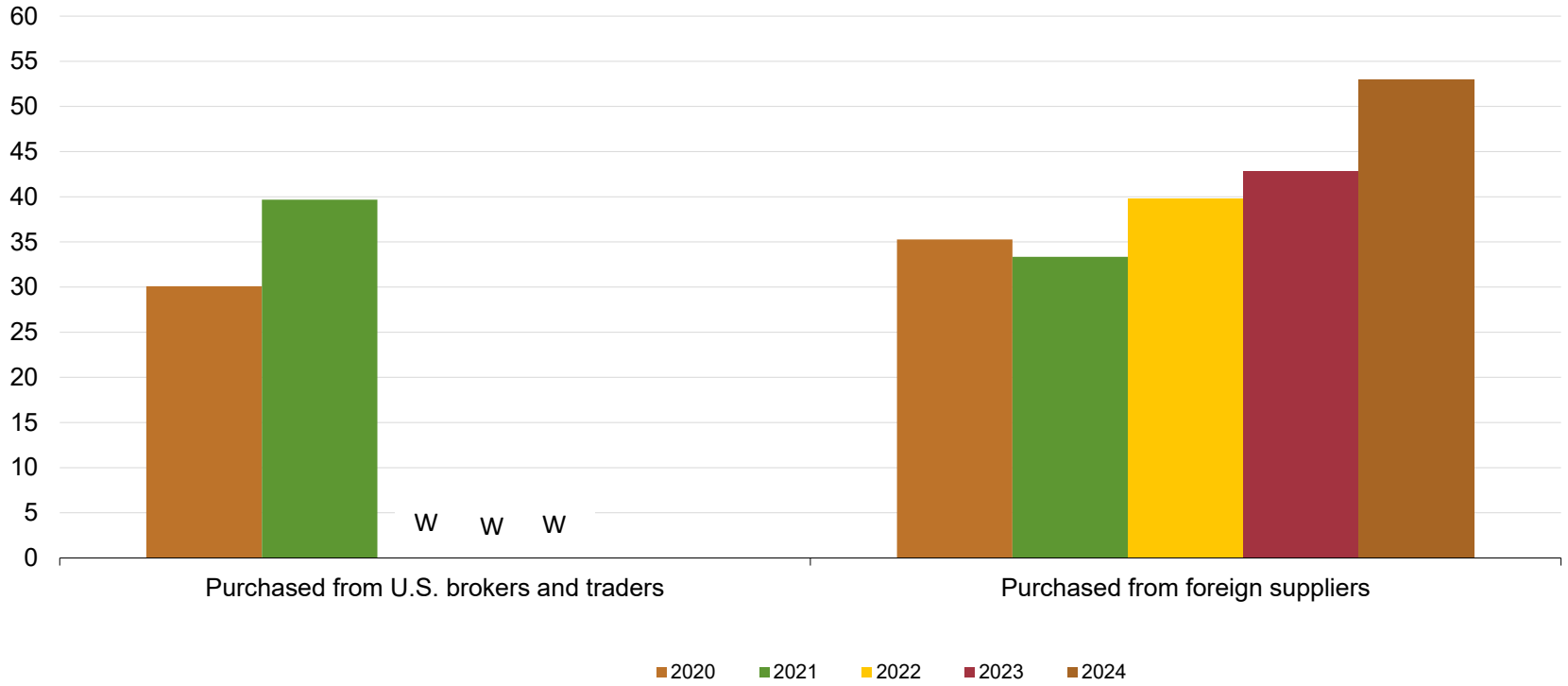
Figure 1. Uranium purchased by owners and operators of U.S. civilian nuclear power reactors by supplier and delivery year, 2020–2024



Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024)

Figure 2. Weighted-average price of uranium purchased by owners and operators of U.S. civilian nuclear power reactors by supplier and delivery year, 2020–2024

dollars per pound U_3O_8e equivalent



Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024)

Table 2. Uranium purchased by owners and operators of U.S. civilian nuclear power reactors by origin and delivery year, 2020–2024

thousand pounds U_3O_8e equivalent; dollars per pound U_3O_8e equivalent

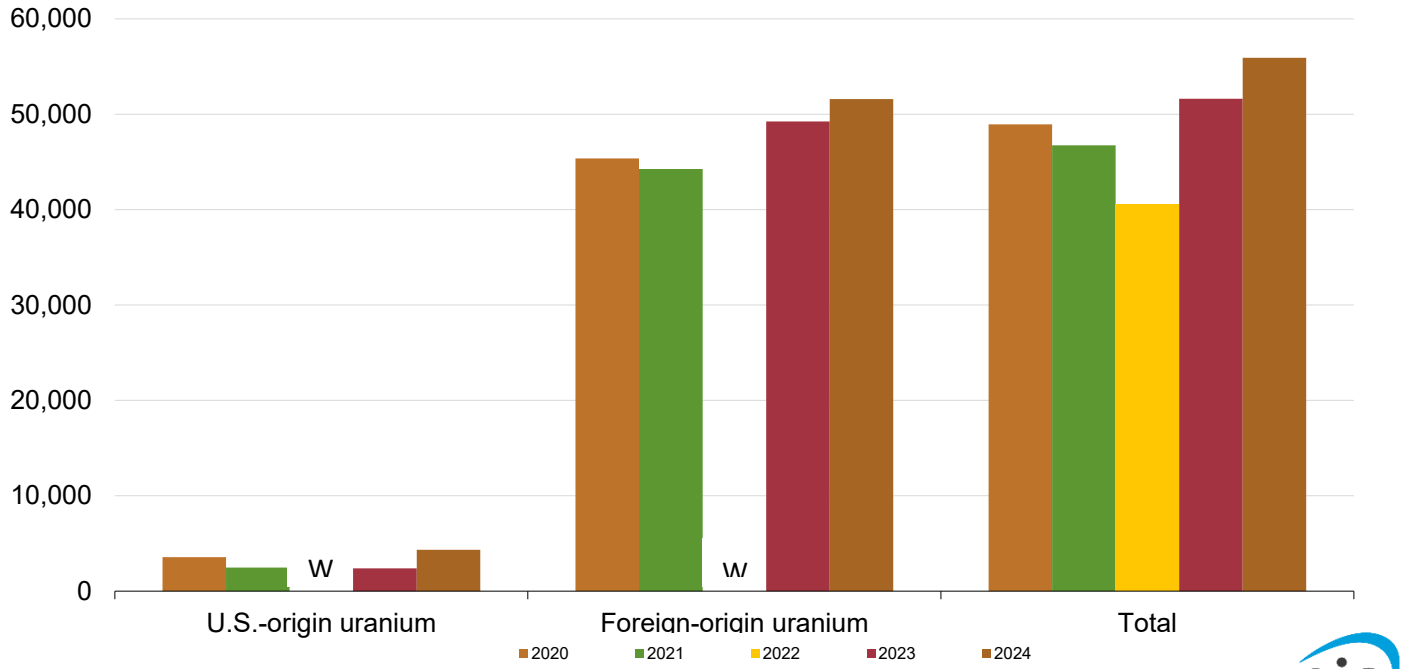
Deliveries	2020	2021	2022	2023	2024
U.S.-origin uranium					
Purchases	3,567	2,474	W	2,386	4,331
Weighted-average price	30.09	43.04	W	40.63	42.17
Foreign-origin uranium					
Purchases	45,367	44,263	W	49,239	51,590
Weighted-average price	33.53	33.40	W	43.95	53.60
Total					
Purchases	**48,934**	**46,736**	**40,519**	**51,625**	**55,921**
Weighted-average price	**33.27**	**33.91**	**39.08**	**43.80**	**52.71**

Notes: Totals may not equal sum of components because of independent rounding. Weighted-average prices are not adjusted for inflation.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024)

Figure 3. Uranium purchased by owners and operators of U.S. civilian nuclear power reactors by origin and delivery year, 2020–2024

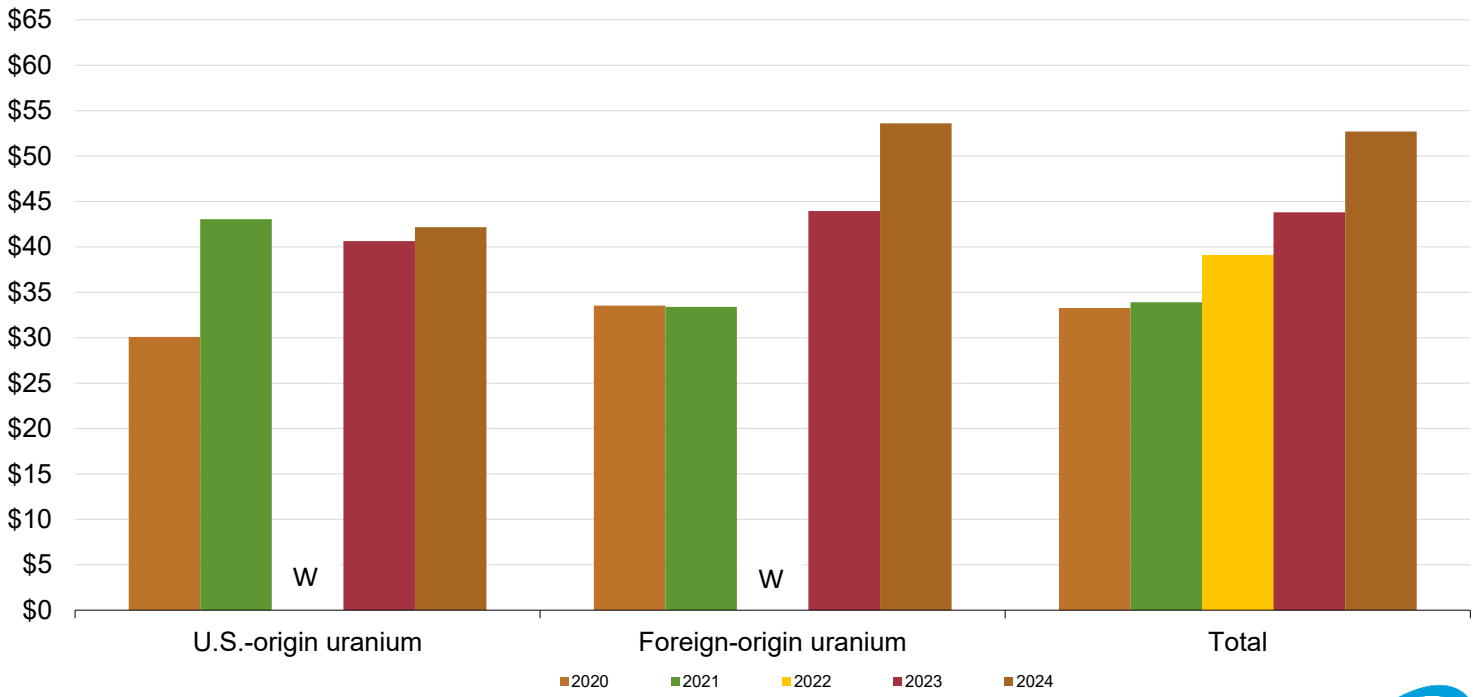
thousand pounds U_3O_8e equivalent



Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024)

Figure 4. Weighted-average price of uranium purchased by owners and operators of U.S. civilian nuclear power reactors by origin and delivery year, 2020–2024

dollars per pound U_3O_8e equivalent



Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024)

Table 3. Uranium purchased by owners and operators of U.S. civilian nuclear power reactors by origin country and delivery year, 2020–2024

thousand pounds U_3O_8e equivalent; dollars per pound U_3O_8e equivalent

	Deliveries in 2020		Deliveries in 2021		Deliveries in 2022		Deliveries in 2023		Deliveries in 2024	
Origin country	Purchases	Weighted-average price	Purchases	Weighted-average price	Purchases	Weighted-average price	Purchases	Weighted-average price	Purchases	Weighted-average price
Australia	5,597	39.86	6,712	36.88	3,620	42.08	10,605	51.15	8,577	54.07
Austria	0	0.00	W	W	0	0.00	0	0.00	0	0.00
Canada	10,976	35.05	6,908	35.09	11,110	37.22	13,162	43.73	18,600	54.54
China	141	24.45	0	0.00	0	0.00	417	72.00	0	0.00
Czech Republic	0	0.00	24	27.35	0	0.00	0	0.00	0	0.00
European Union	W	W	W	W	W	W	W	W	W	W
France	W	W	W	W	W	W	W	W	W	W
Gambia	W	W	W	W	W	W	W	W	W	W
Germany	0	0.00	0	0.00	100	45.68	0	0.00	0	0.00
Japan	W	W	W	W	W	W	W	W	W	W
Kazakhstan	10,828	33.37	16,557	34.16	10,019	39.05	10,622	43.64	12,375	50.81
Malawi	239	29.01	60	52.25	451	50.98	123	30.57	270	68.10
Namibia	2,517	35.28	3,214	36.01	1,961	41.96	1,546	47.67	2,206	61.54
Niger	2,050	34.36	1,773	39.08	1,187	34.55	1,418	38.57	1,382	53.12
Nigeria	W	W	W	W	W	W	W	W	W	W
Russia	8,064	25.73	6,314	22.76	4,781	35.20	6,042	30.86	2,031	50.89
Saudi Arabia	0	0.00	0	0.00	W	W	W	W	W	W
South Africa	97	24.15	1	31.04	358	39.65	306	47.82	660	53.22
United Kingdom	666	35.40	0	0.00	0	0.00	0	0.00	0	0.00
Uzbekistan	3,940	35.93	2,499	33.74	4,438	39.21	4,887	44.20	4,503	55.20
Unknown	100	24.36	81	29.70	17	31.40	54	33.11	W	W
Total foreign	**45,367**	**33.53**	**44,263**	**33.40**	**38,467**	**38.45**	**49,239**	**43.95**	**51,590**	**53.60**
United States	3,567	30.09	2,474	43.04	2,052	50.96	2,386	40.63	4,331	42.17
Total purchases	**48,934**	**33.27**	**46,736**	**33.91**	**40,519**	**39.08**	**51,625**	**43.80**	**55,921**	**52.71**

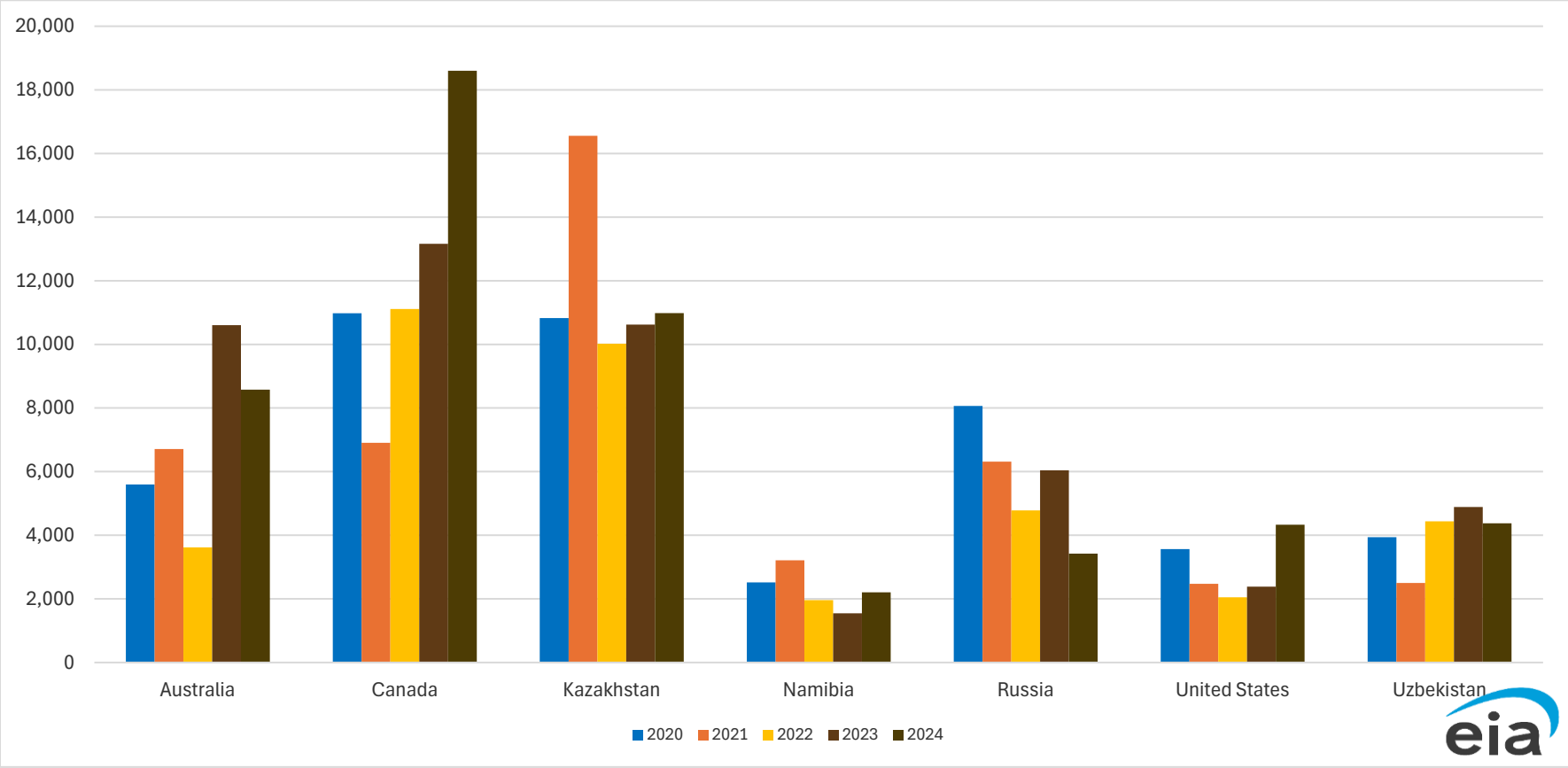
W = Data withheld to avoid disclosure of individual company data. -- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. Weighted-average prices are not adjusted for inflation.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–24)

Figure 5. Uranium purchased by owners and operators of U.S. civilian nuclear power reactors by selected origin country and delivery year, 2020–2024

thousand pounds U_3O_8e equivalent



Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024). W = Withheld

Table 4. Uranium purchased by owners and operators of U.S. civilian nuclear power reactors by origin and material type, 2024 deliveries

thousand pounds U_3O_8e equivalent; dollars per pound U_3O_8e equivalent

Deliveries	Uranium concentrate	Natural UF_6	Enriched UF_6	Natural UF_6 and Enriched UF_6	Total
U.S.-origin uranium					
Purchases	W	W	W	W	4,331
Weighted-average price	W	W	W	W	42.17
Foreign-origin uranium					
Purchases	W	W	W	W	51,590
Weighted-average price	W	W	W	W	53.60
Total					
Purchases	38,213	9,944	7,764	17,708	55,921
Weighted-average price	53.28	55.84	44.32	51.34	52.71

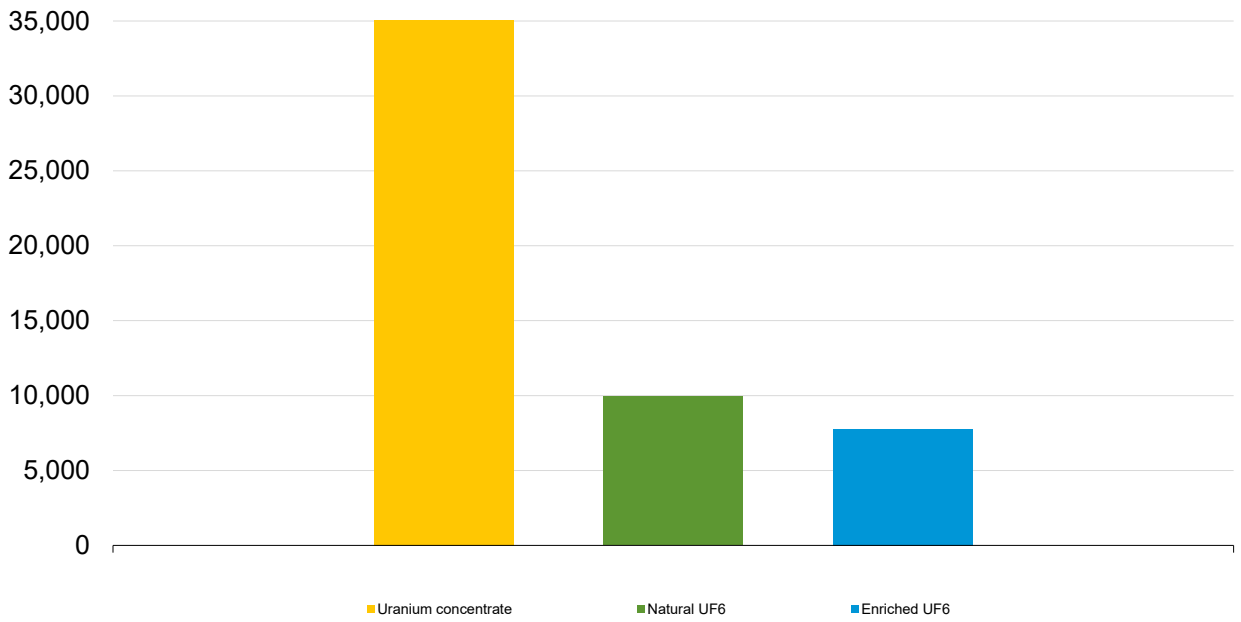
W = Data withheld to avoid disclosure of individual company data.

Notes: Totals may not equal sum of components because of independent rounding. Weighted-average prices are not adjusted for inflation. Natural UF_6 is uranium hexafluoride. The natural UF_6 and enriched UF_6 quantity represents only the U_3O_8 equivalent uranium-component quantity specified in the contract for each delivery of natural UF_6 and enriched UF_6. The natural UF_6 and enriched UF_6 weighted-average prices represent only the U_3O_8 equivalent uranium-component price specified in the contract for each delivery of natural UF_6 and enriched UF_6; it does not include the conversion service and enrichment service components.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2024)

Figure 6. Uranium purchased by owners and operators of U.S. civilian nuclear power reactors by material type, 2024 deliveries

thousand pounds U_3O_8e equivalent



Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2024)

Table 5. Average price and quantity for uranium purchased by owners and operators of U.S. civilian nuclear power reactors by pricing mechanisms and delivery year, 2023–2024

dollars per pound U_3O_8 equivalent; thousand pounds U_3O_8 equivalent

	Domestic purchases [1]		Foreign purchases [2]		Total purchases	
Pricing mechanisms	**2023**	**2024**	**2023**	**2024**	**2023**	**2024**
Contract-specified (fixed and base-escalated) pricing						
Weighted-average price	42.78	54.67	37.96	53.07	40.31	50.97
Quantity with reported price	3,739	5,832	16,350	14,842	36,549	39,801
Spot-market pricing						
Weighted-average price	W	W	W	W	53.63	54.09
Quantity with reported price	W	W	W	W	7,255	5,083
Other pricing						
Weighted-average price	W	W	W	W	51.02	58.39
Quantity with reported price	W	W	W	W	7,821	11,037
All pricing mechanisms						
Weighted-average price	**45.09**	**53.99**	**42.48**	**54.64**	**43.80**	**52.71**
Quantity with reported price	**5,906**	**7,183**	**23,740**	**22,441**	**51,625**	**55,921**
Total quantity	**5,906**	**7,183**	**23,740**	**22,441**	**51,625**	**55,921**

[1] A uranium purchase of both U.S.-origin uranium from a firm located in the United States.

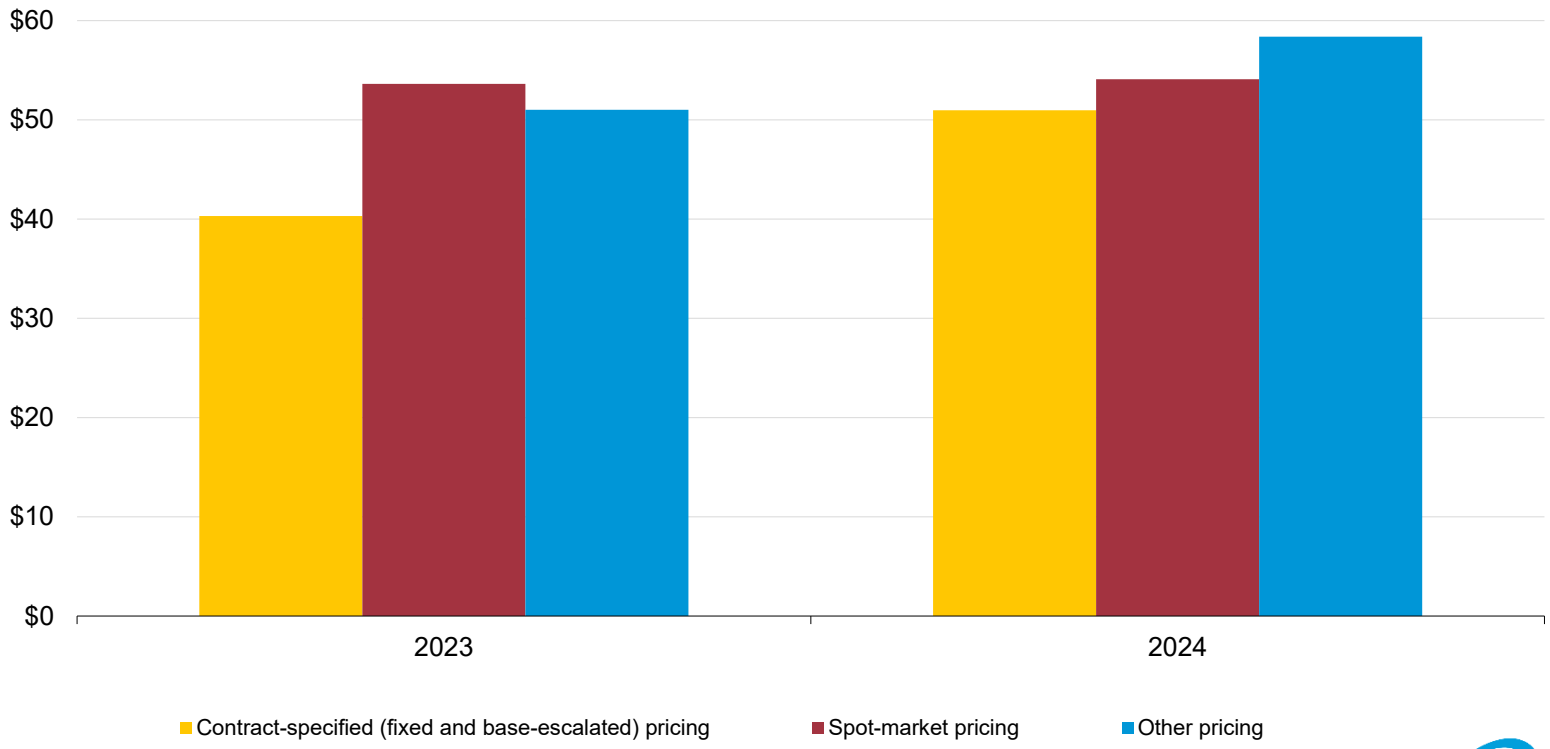
[2] A uranium purchase of foreign-origin uranium from a firm located outside of the United States.

Notes: Totals may not equal sum of components because of independent rounding. Weighted-average prices are not adjusted for inflation.

Data source: U.S. Energy Information Administration, Form EIA-858, Uranium Marketing Annual Survey (2023–2024)

Figure 7. Average price for uranium purchased by owners and operators of U.S. civilian nuclear power reactors by pricing mechanisms and delivery year, 2023–2024

dollars per pound U_3O_8 equivalent



Data Source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2023–2024)

Table 6a. Uranium purchased by owners and operators of U.S. civilian nuclear power reactors ranked by price and distributed by quantity, 2022–2024 deliveries

thousand pounds U_3O_8 equivalent; dollars per pound U_3O_8 equivalent

	Deliveries in 2022		Deliveries in 2023		Deliveries in 2024	
Quantity distribution [1]	**Quantity with reported price**	**Weighted-average price**	**Quantity with reported price**	**Weighted-average price**	**Quantity with reported price**	**Weighted-average price**
First	5,065	20.61	6,453	23.24	6,990	31.44
Second	5,065	28.6	6,453	30.95	6,990	35.06
Third	5,065	30.93	6,453	34.46	6,990	39.43
Fourth	5,065	34.87	6,453	39.77	6,990	45.46
Fifth	5,065	40.79	6,453	44.29	6,990	50.28
Sixth	5,065	45.72	6,453	49.75	6,990	57.78
Seventh	5,065	49.24	6,453	54.96	6,990	73.29
Eighth	5,065	61.91	6,453	72.97	6,990	88.98
Total	**40,519**	**39.08**	**51,625**	**43.80**	**55,921**	**52.71**

[1] Distribution divides total quantity of uranium delivered (with a price) into eight distributions by price (sorted from lowest to highest) and provides the quantity-weighted average price for each distribution.

Notes: Totals may not equal sum of components because of independent rounding. Weighted-average prices are not adjusted for inflation.
Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2022–2024)

Table 6b. Uranium purchased by owners and operators of U.S. civilian nuclear power reactors ranked by price and distributed by purchaser, 2023–2024 deliveries

thousand pounds U_3O_8 equivalent; dollars per pound U_3O_8 equivalent

	Deliveries in 2022			Deliveries in 2023			Deliveries in 2024		
Distribution of purchasers	**Number of purchasers**	**Quantity with reported price**	**Weighted-average price**	**Number of purchasers**	**Quantity with reported price**	**Weighted-average price**	**Number of purchasers**	**Quantity with reported price**	**Weighted-average price**
First	6	6,176	27.75	7	21,304	36.70	6	11,332	42.39
Second	6	18,339	36.77	7	13,973	43.59	6	19,139	49.25
Third	6	9,575	43.70	6	9,084	47.90	6	14,527	53.50
Fourth	6	6,429	49.69	6	7,265	59.89	6	10,923	68.46
Total	**24**	**40,519**	**39.08**	**26**	**51,625**	**43.80**	**24**	**55,921**	**52.71**

Notes: Totals may not equal sum of components because of independent rounding. Weighted-average prices are not adjusted for inflation.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2022–2024)

Table 7. Uranium purchased by owners and operators of U.S. civilian nuclear power reactors by contract type and material type, 2024 deliveries

thousand pounds U_3O_8 equivalent; dollars per pound U_3O_8 equivalent

	Spot contracts [1]		Long-term contracts [2]		Total	
Material type	**Quantity with reported price**	**Weighted-average price**	**Quantity with reported price**	**Weighted-average price**	**Quantity with reported price**	**Weighted-average price**
U_3O_8	3,947	72.21	35,658	51.18	39,605	53.28
Natural UF_6	W	W	W	W	9,944	55.84
Enriched uranium	W	W	W	W	6,372	44.32
Total	**6,110**	**71.92**	**49,811**	**50.36**	**55,921**	**52.71**

[1] A one-time delivery (usually) of the entire contract to occur within one year of contract execution (signed date).

[2] One or more deliveries to occur after a year following contract execution (signed date).

Notes: Totals may not equal sum of components because of independent rounding. Weighted-average prices are not adjusted for inflation.

UF_6 is uranium hexafluoride. The natural UF_6 and enriched UF_6 quantity represents only the U_3O_8 equivalent uranium-component quantity specified in the contract for each delivery of natural UF_6 and enriched UF_6. The natural UF_6 and enriched UF_6 weighted-average price represents only the U_3O_8 equivalent uranium-component price specified in the contract for each delivery of natural UF_6 and enriched UF_6. It does not include the conversion service and enrichment service components.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2024)

Table 8. Contracts signed in 2024 by owners and operators of U.S. civilian nuclear power reactors by contract type

thousand pounds U_3O_8 equivalent; dollars per pound U_3O_8 equivalent

Purchase contract type (signed in 2024)	Quantity of deliveries received in 2024	Weighted-average price	Number of purchase contracts for deliveries in 2024
Spot	W	W	W
Long-term	W	W	W
Total	**3,007**	**86.20**	**21**

Notes: Totals may not equal sum of components because of independent rounding. Weighted-average prices are not adjusted for inflation.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2024)

Table 9. Contracted purchases of uranium by owners and operators of U.S. civilian nuclear power reactors, signed in 2024, by delivery year, 2025–2034

thousand pounds U_3O_8 equivalent

Year of delivery	Minimum	Maximum
2025	1,421	1,421
2026	4,333	4,853
2027	2,563	3,278
2028	1,641	2,591
2029	2,066	3,112
2030	1,340	2,194
2031	903	1,799
2032	869	1,692
2033	W	W
2034	W	W
Total	**15,599**	**21,808**

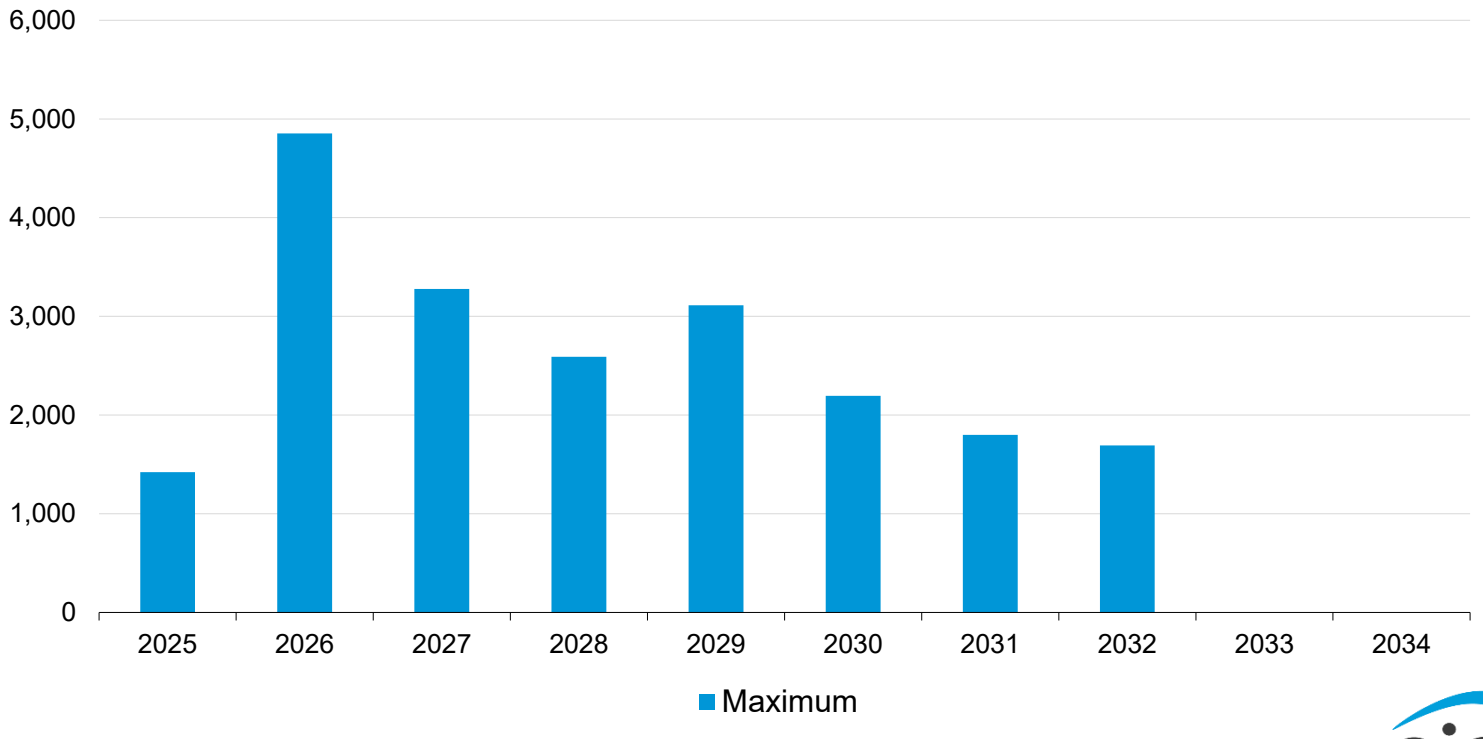
W = Data withheld to avoid disclosure of individual company data.

Note: Totals may not equal sum of components because of independent rounding.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2024)

Figure 8. Contracted purchases of uranium by owners and operators of U.S. civilian nuclear power reactors, signed in 2024, by delivery year, 2025–2034

thousand pounds U_3O_8 equivalent



Data Source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2024)

Table 10. Contracted purchases of uranium from suppliers by owners and operators of U.S. civilian nuclear power reactors, in effect at the end of 2024, by delivery year, 2025–2034

thousand pounds U_3O_8 equivalent

	Contracted purchases from U.S. suppliers		Contracted purchases from foreign suppliers		Contracted purchases from all suppliers	
Year of delivery	**Minimum**	**Maximum**	**Minimum**	**Maximum**	**Minimum**	**Maximum**
2025	1,789	1,979	41,177	53,681	42,965	55,660
2026	487	487	40,330	49,148	40,817	49,635
2027	823	968	32,484	40,907	33,307	41,875
2028	W	W	W	W	22,742	30,235
2029	W	W	W	W	15,751	21,638
2030	W	W	W	W	12,203	16,438
2031	W	W	W	W	5,264	8,212
2032	W	W	W	W	4,901	7,357
2033	W	W	W	W	1,574	1,957
2034	W	W	W	W	W	W
Total	**3,703**	**4,174**	**177,111**	**230,142**	**180,813**	**234,317**

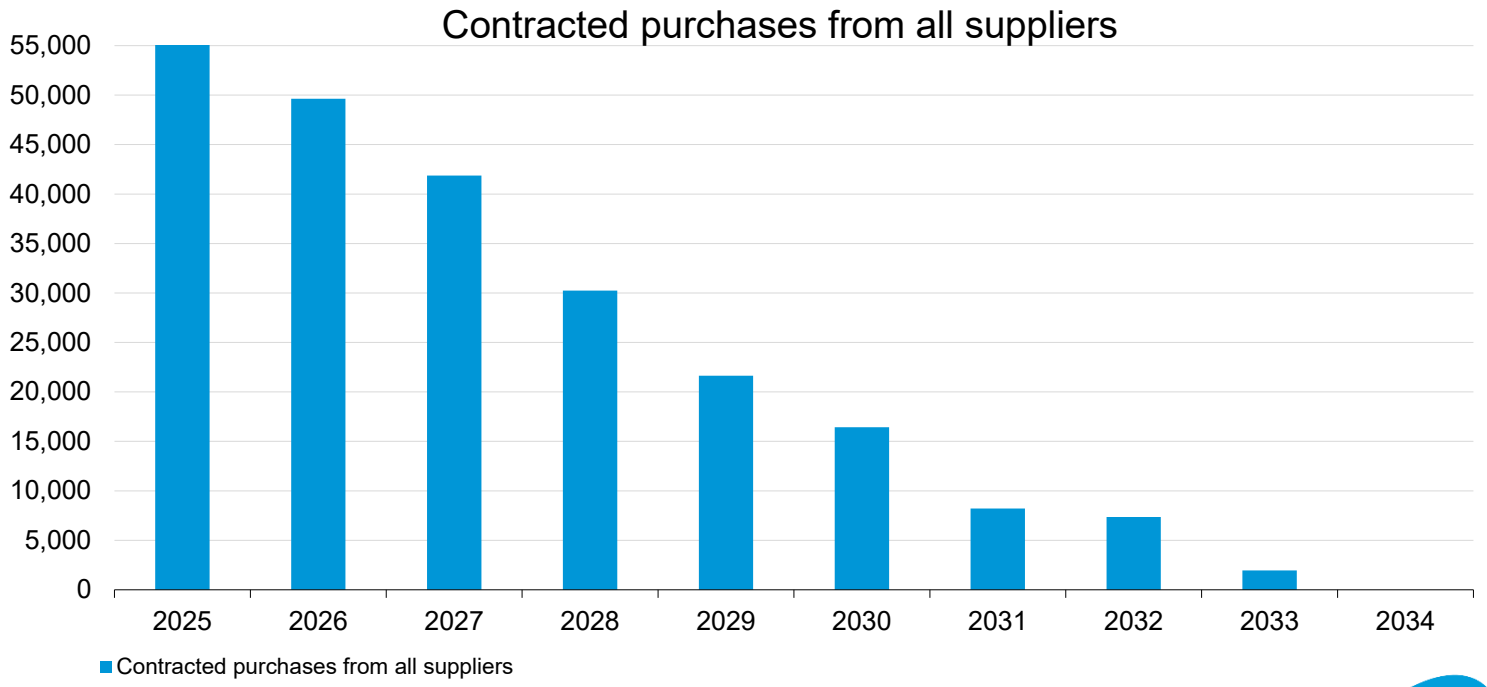
W = Data withheld to avoid disclosure of individual company data.

Note: Totals may not equal sum of components because of independent rounding.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2024)

Figure 9. Maximum contracted purchases of uranium from suppliers by owners and operators of U.S. civilian nuclear power reactors, in effect at the end of 2024, by delivery year, 2025–2034

thousand pounds U_3O_8 equivalent



Data Source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2024)

Table 11. Unfilled uranium market requirements of owners and operators of U.S. civilian nuclear power reactors, 2024–2034

thousand pounds U_3O_8 equivalent

	As of December 31, 2023		As of December 31, 2024	
Year	**Annual**	**Cumulative**	**Annual**	**Cumulative**
2024	2,334	2,334	0	0
2025	2,609	4,943	1,924	1,924
2026	4,478	9,421	3,186	5,109
2027	8,542	17,963	3,399	8,509
2028	17,253	35,216	11,522	20,031
2029	15,333	50,549	11,942	31,973
2030	21,520	72,069	20,473	52,446
2031	36,028	108,098	32,600	85,046
2032	34,103	142,201	33,754	118,799
2033	41,906	184,107	38,996	157,795
2034	0	0	26,416	184,211

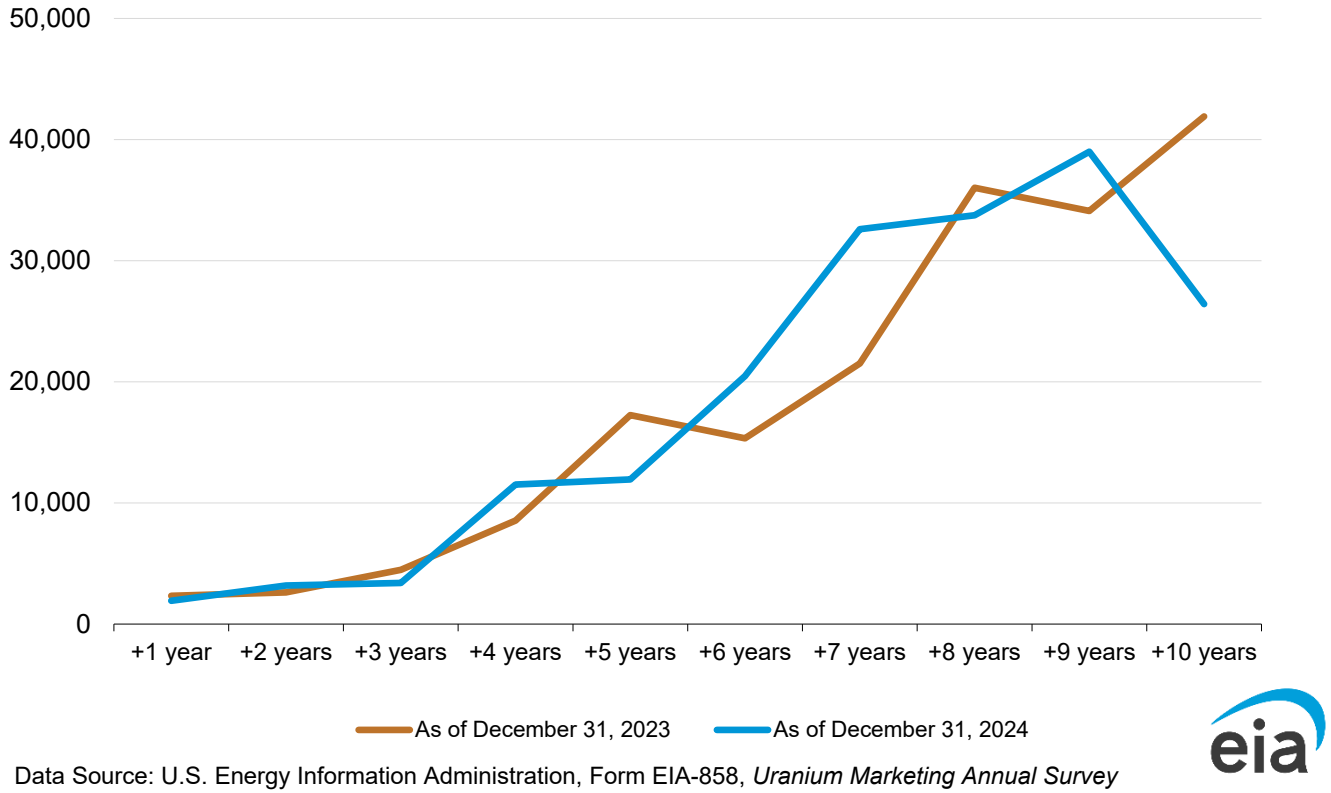
- = No data reported. -- = Not applicable.

Note: Totals may not equal sum of components because of independent rounding.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2023–2024)

Figure 10. Annual unfilled uranium market requirements of owners and operators of U.S. civilian nuclear power reactors, at the end of 2023 and at the end of 2024

thousand pounds U_3O_8 equivalent



Data Source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2023–2024)

Table 12. Maximum anticipated uranium market requirements of owners and operators of U.S. civilian nuclear power reactors, 2025–2034, at end of 2024

thousand pounds U_3O_8 equivalent

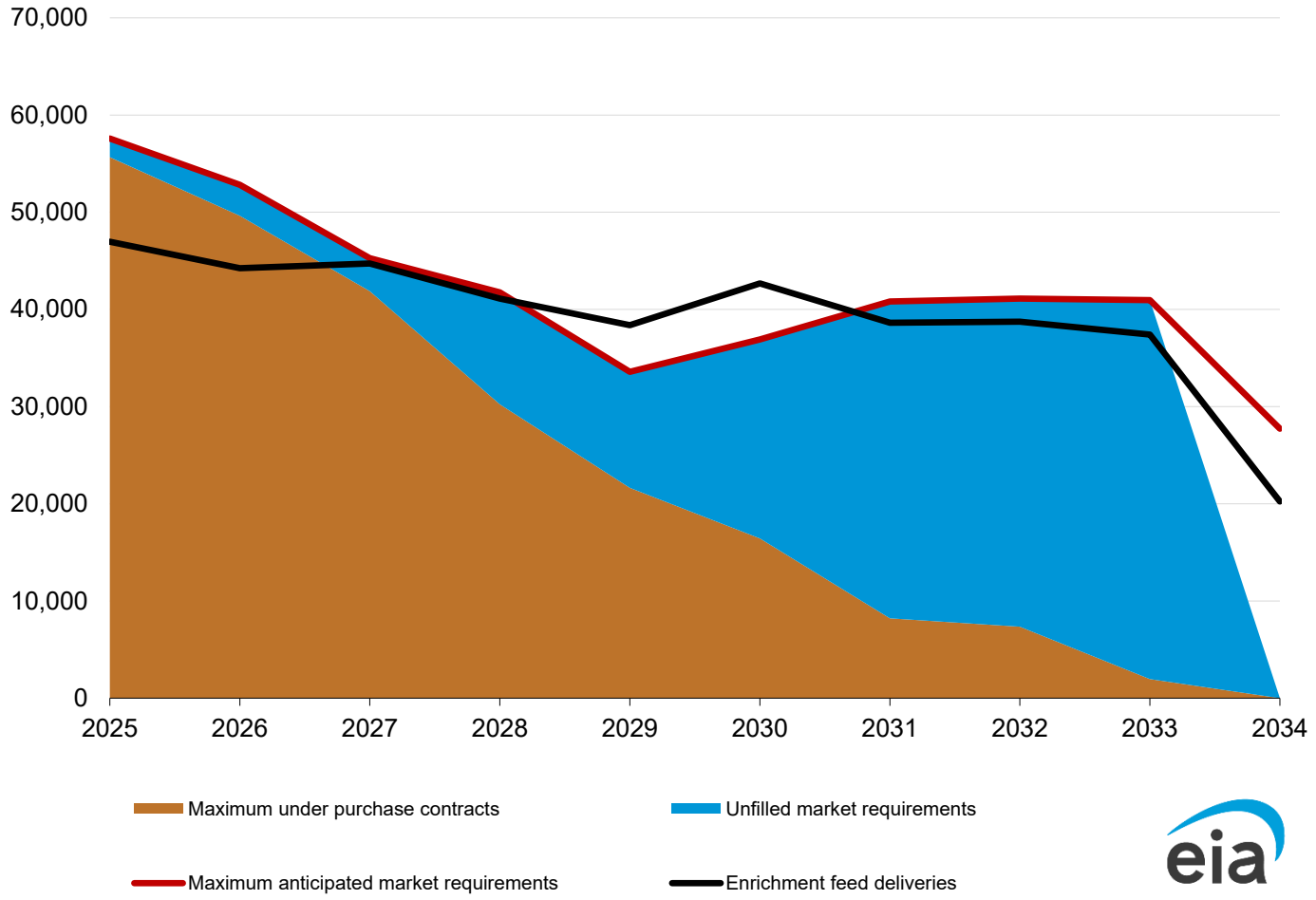
Year	Maximum under purchase contracts	Unfilled market requirements	Maximum anticipated market requirements	Enrichment feed deliveries
2025	55,660	1,924	57,584	46,964
2026	49,635	3,186	52,820	44,235
2027	41,875	3,399	45,274	44,719
2028	30,235	11,522	41,757	41,111
2029	21,638	11,942	33,581	38,376
2030	16,438	20,473	36,910	42,673
2031	8,212	32,600	40,812	38,623
2032	7,357	33,754	41,110	38,734
2033	1,957	38,996	40,953	37,402
2034	W	W	27,728	20,238
Total	**234,317**	**184,211**	**418,528**	**393,074**

Note: Totals may not equal sum of components because of independent rounding.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2024)

Figure 11. Maximum anticipated uranium market requirements of owners and operators of U.S. civilian nuclear power reactors, 2025–2034, at end of 2024

thousand pounds U_3O_8 equivalent



Data Source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2024)

Table 13. Deliveries of uranium feed by owners and operators of U.S. civilian nuclear power reactors by enrichment country and delivery year, 2022–2024

thousand pounds U_3O_8 equivalent

	Feed deliveries in 2022			Feed deliveries in 2023			Feed deliveries in 2024		
Enrichment country	**U.S.-origin**	**Foreign-origin**	**Total**	**U.S.-origin**	**Foreign-origin**	**Total**	**U.S.-origin**	**Foreign-origin**	**Total**
China	0	0	0	0	0	0	0	W	W
France	W	W	W	W	W	W	W	W	7,419
Germany	W	W	W	W	W	W	W	W	3,429
Netherlands	0	2,670	2,670	W	W	2,874	0	W	W
Russia	0	2,867	2,867	0	3,757	3,757	W	W	3,937
United Kingdom	0	1,097	1,097	0	2,769	2,769	0	W	W
Europe [1]	0	6,409	6,409	0	4,591	4,591	W	W	10,110
Foreign total	**W**	**W**	**20,389**	**W**	**W**	**20,543**	**261**	**30,034**	**30,295**
United States	W	W	14,199	W	W	12,957	W	W	12,003
Total	**1,728**	**32,860**	**34,588**	**1,659**	**31,841**	**33,500**	**1,693**	**40,606**	**42,299**

W = Data withheld to avoid disclosure of individual company data.

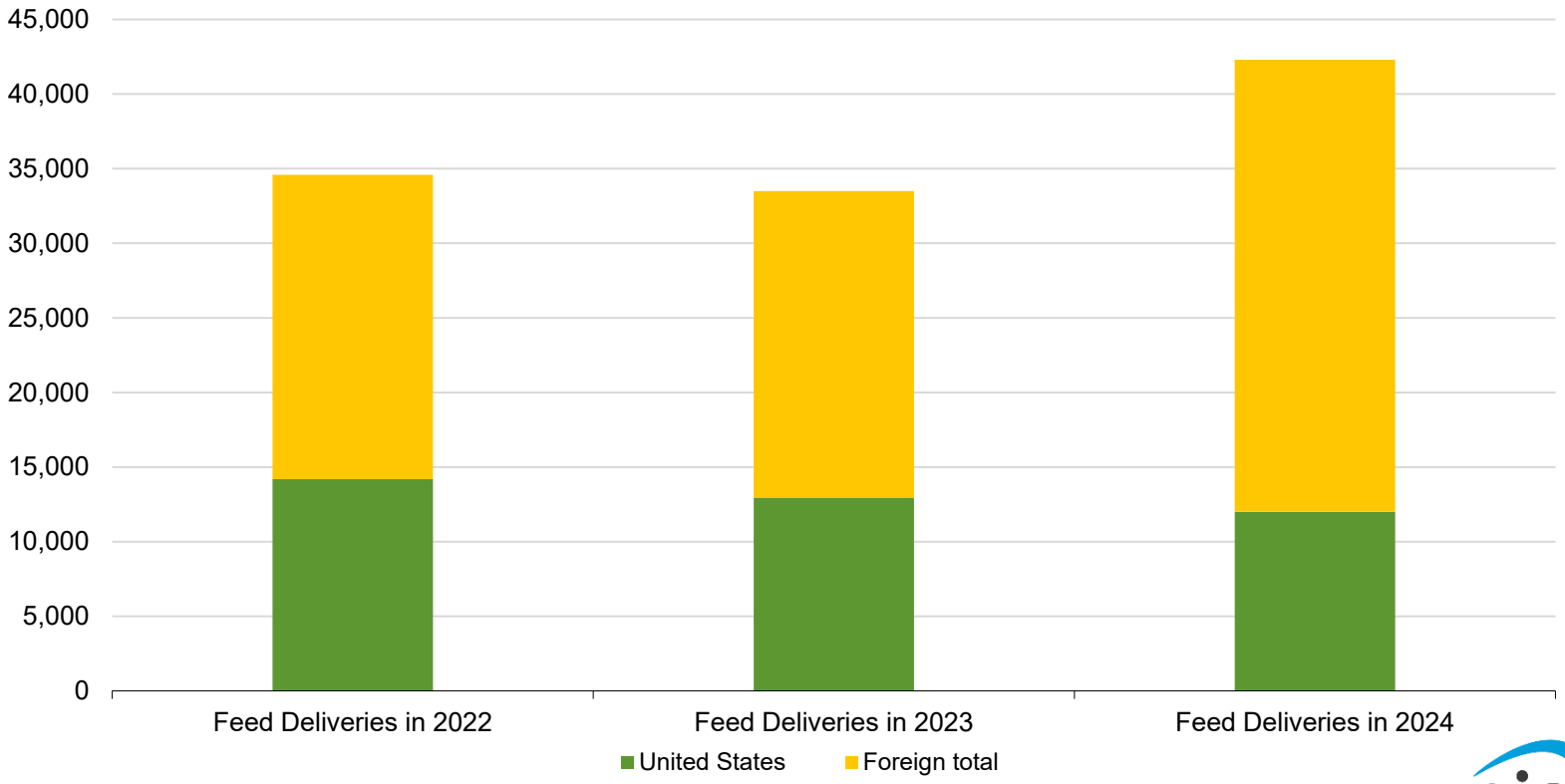
[1] Specific country in Europe was not reported.

Note: Totals may not equal sum of components because of independent rounding.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2022–2024)

Figure 12. Deliveries of uranium feed for U.S. and foreign enrichment by owners and operators of U.S. civilian nuclear power reactors by delivery year, 2022–2024

thousand pounds U_3O_8 equivalent



Data Source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2022–2024)

Table 14. Deliveries of uranium feed for enrichment by owners and operators of U.S. civilian nuclear power reactors by origin country and delivery year, 2022–2024

thousand pounds U_3O_8 equivalent

	Deliveries in 2022			Deliveries in 2023			Deliveries in 2024		
Origin country of feed	**U.S. enrichment**	**Foreign enrichment**	**Total**	**U.S. enrichment**	**Foreign enrichment**	**Total**	**U.S. enrichment**	**Foreign enrichment**	**Total**
Australia	1,618	2,610	4,228	3,495	2,346	5,840	2,066	5,238	7,304
Austria	W	W	W	W	W	W	W	W	W
Canada	8,382	5,342	13,724	4,765	7,792	12,556	5,488	9,499	14,987
China	0	0	0	0	0	0	W	W	W
Japan	0	211	211	0	0	0	W	W	W
Kazakhstan	1,353	6,821	8,174	1,336	4,030	5,366	1,408	6,614	8,023
Malawi	W	W	W	0	0	0	W	W	W
Namibia	W	W	W	W	W	W	305	1,198	1,503
Niger	W	W	W	W	W	W	W	W	W
Nigeria	0	227	227	0	0	0	W	W	W
Russia	W	W	W	W	W	3,318	W	W	W
South Africa	W	W	W	W	W	W	W	W	W
Uzbekistan	795	1,056	1,851	640	1,944	2,584	670	980	1,650
Unknown/other	0	150	150	0	53	53	W	W	W
Foreign total	**W**	**W**	**W**	**W**	**W**	**W**	**10,572**	**30,034**	**40,606**
United States	W	W	W	W	W	W	W	W	1,693
Total	**14,199**	**20,389**	**34,588**	**12,957**	**20,543**	**33,500**	**12,003**	**30,295**	**42,299**

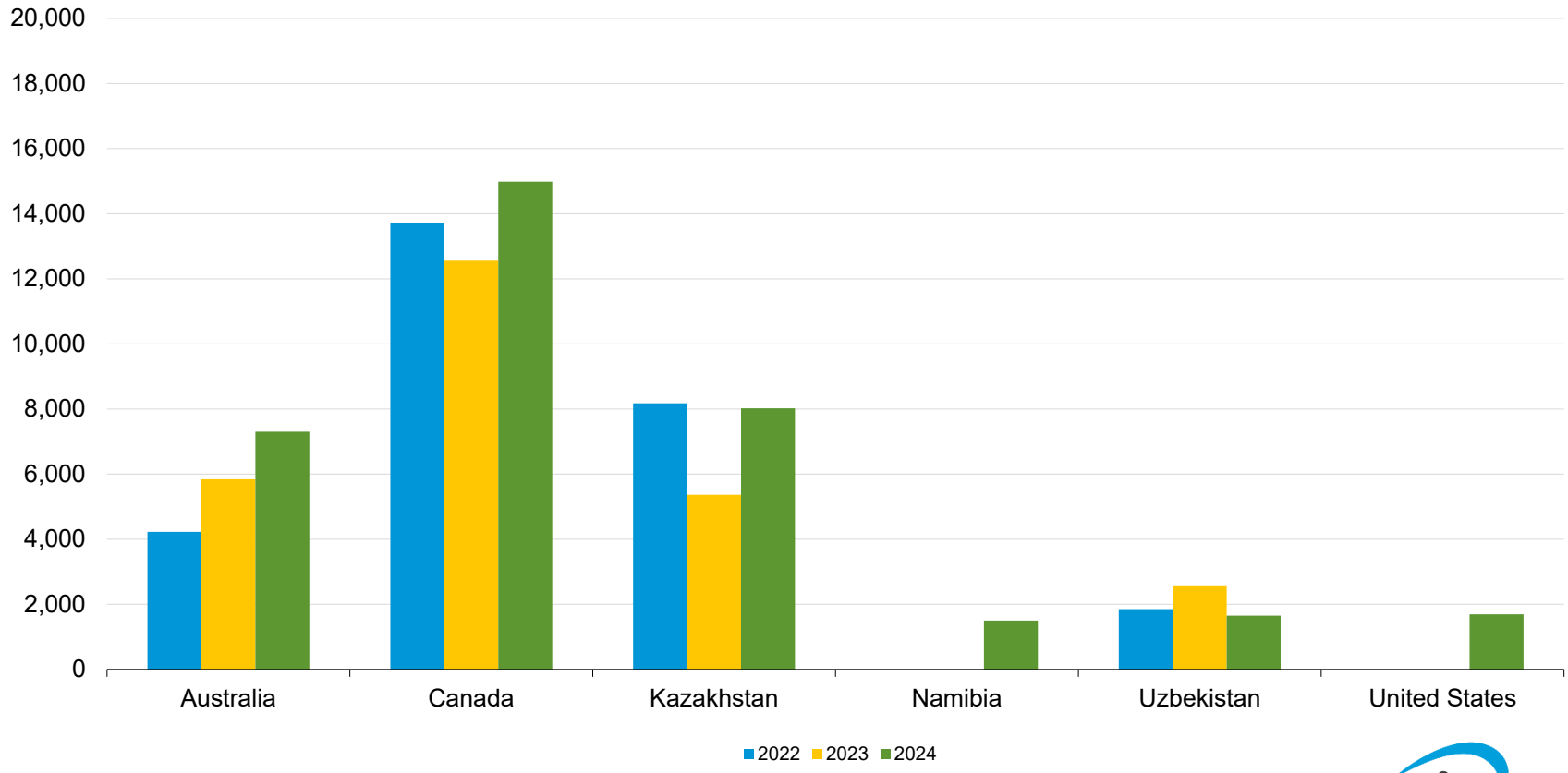
W = Data withheld to avoid disclosure of individual company data.

Note: Totals may not equal sum of components because of independent rounding.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2022–24)

Figure 13. Deliveries of uranium feed for enrichment by owners and operators of U.S. civilian nuclear power reactors by selected origin country of feed and delivery year, 2022–2024

thousand pounds U_3O_8 equivalent



Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2022–24)

Table 15. Shipments of uranium feed by owners and operators of U.S. civilian nuclear power reactors to domestic and foreign enrichment suppliers, 2025–2034

thousand pounds U_3O_8 equivalent

	Amount of feed to be shipped		Change from 2023 to 2024	
Year of shipment	As of December 31, 2023	As of December 31, 2024	Annual	Cumulative
2025	47,701	46,964	-737	-737
2026	42,285	44,235	1,950	1,213
2027	43,981	44,719	738	1,951
2028	40,194	41,113	919	2,870
2029	36,072	38,377	2,305	5,175
2030	39,058	42,674	3,616	8,791
2031	37,518	38,624	1,106	9,897
2032	37,327	38,734	1,407	11,304
2033	40,393	37,403	-2,990	8,314
2034	-	20,239	--	--

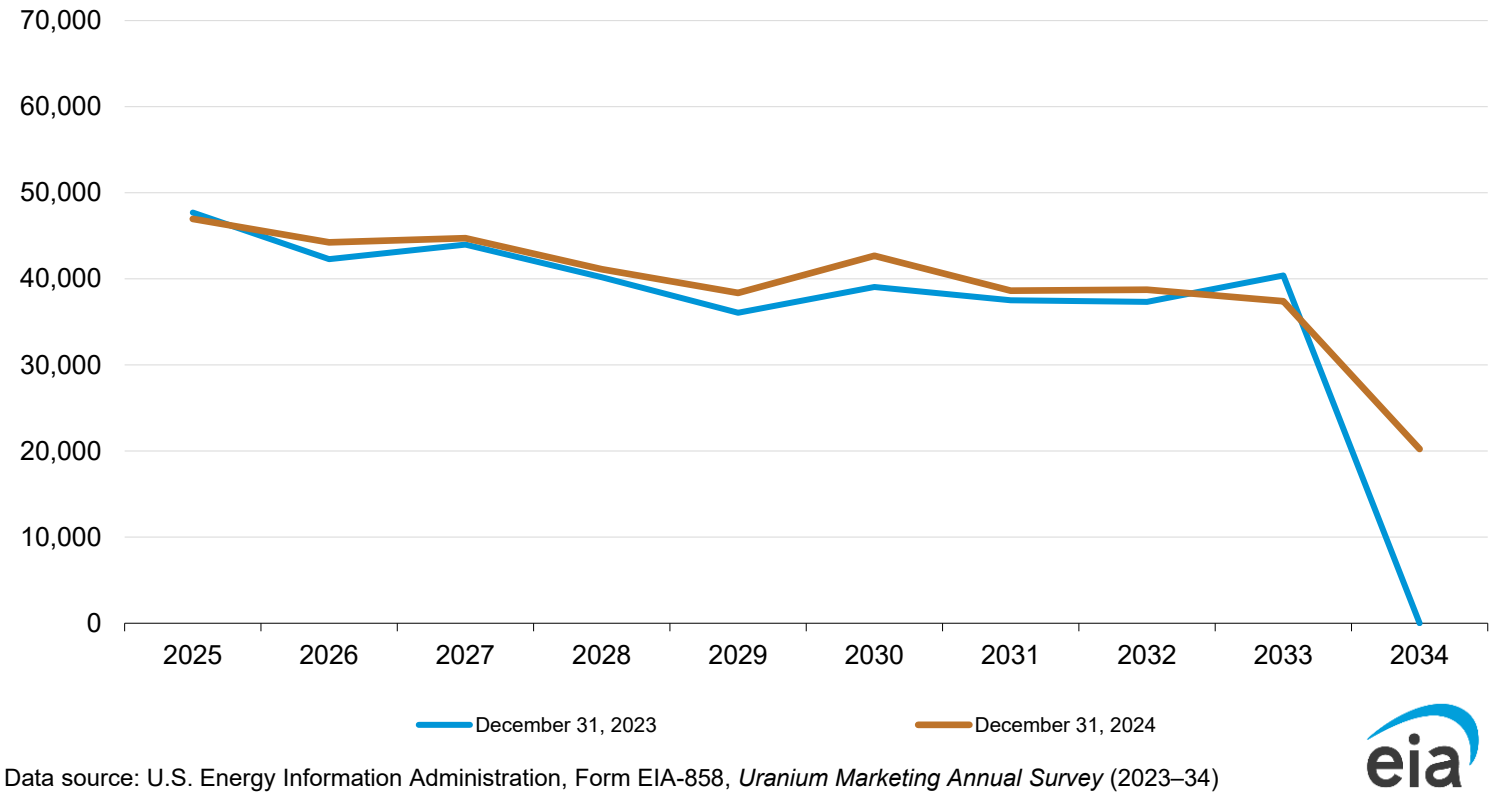
- = No data reported. -- = Not applicable.

Note: Totals may not equal sum of components because of independent rounding.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2023–24)

Figure 14. Shipments of uranium feed by owners and operators of U.S. civilian nuclear power reactors to domestic and foreign enrichment suppliers, 2025–2034

thousand pounds U_3O_8 equivalent



Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2023–34)

Table 16. Purchases of enrichment services by owners and operators of U.S. civilian nuclear power reactors by origin country and year, 2020–2024

thousand separative work units (SWU)

Country of enrichment service (SWU-origin)	2020	2021	2022	2023	2024
China	W	W	W	W	W
France	W	W	W	1,839	2,673
Germany	1,175	1,825	1,763	855	1,046
Netherlands	1,885	1,583	1,303	1,217	2,243
Russia	3,220	3,953	3,409	4,141	3,043
United Kingdom	1,218	2,366	1,593	1,021	1,308
Europe [1]	W	W	W	W	W
Other [2]	W	W	W	W	W
Foreign total	**10,012**	**11,481**	**10,301**	**10,926**	**12,267**
United States	4,132	2,736	3,876	4,313	2,892
Total	**14,144**	**14,217**	**14,176**	**15,240**	**15,159**
Average price (US$ per SWU)	**99.51**	**99.54**	**101.03**	**106.97**	**97.66**

W = Data withheld to avoid disclosure of individual company data.

[1] Specific country in Europe was not reported.

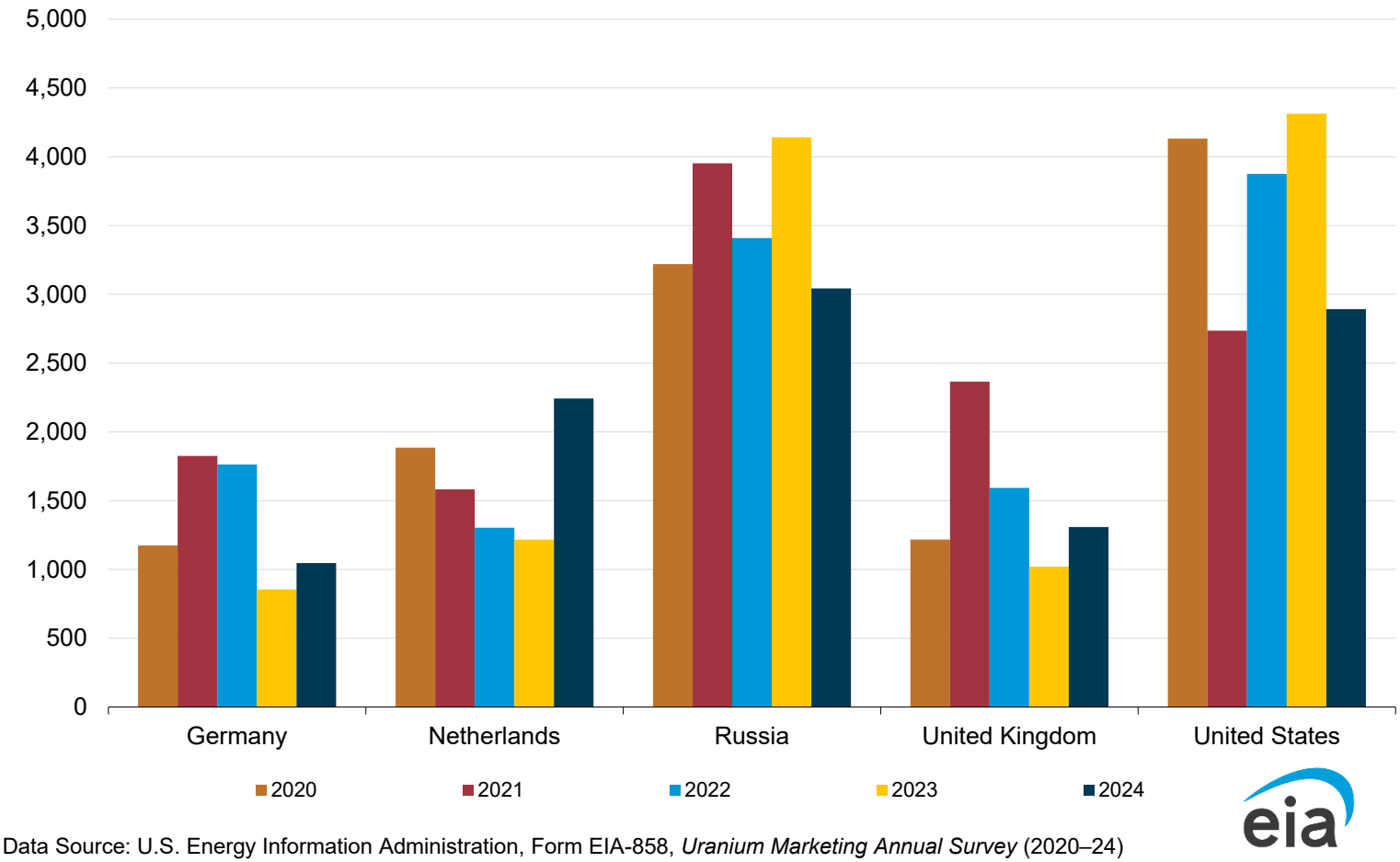
[2] Specific country was not reported.

Notes: Totals may not equal sum of components because of independent rounding. Average prices are not adjusted for inflation.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–24)

Figure 15. Purchases of enrichment services by owners and operators of U.S. civilian nuclear power reactors by selected origin country and year, 2020–2024

thousand separative work units (SWU)



Data Source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–24)

Table 17. Purchases of enrichment services by owners and operators of U.S. civilian nuclear power reactors by contract type in delivery year, 2024

thousand separative work units (SWU)

Enrichment service contract type	U.S. enrichment	Foreign enrichment	Total
Spot	36	301	337
Long-term	2,856	11,966	14,822
Total	**2,892**	**12,267**	**15,159**

W = Data withheld to avoid disclosure of individual company data.

Note: Totals may not equal sum of components because of independent rounding.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2024)

Table 18. Uranium in fuel assemblies loaded into U.S. civilian nuclear power reactors by year, 2020–2024

thousand pounds U_3O_8 equivalent

Origin of uranium	2020	2021	2022	2023	P2024
Domestic-origin uranium	8,678	3,289	1,507	W	3,060
Foreign-origin uranium	39,953	41,111	42,904	W	47,610
Total	**48,631**	**44,400**	**44,411**	**46,112**	**50,671**

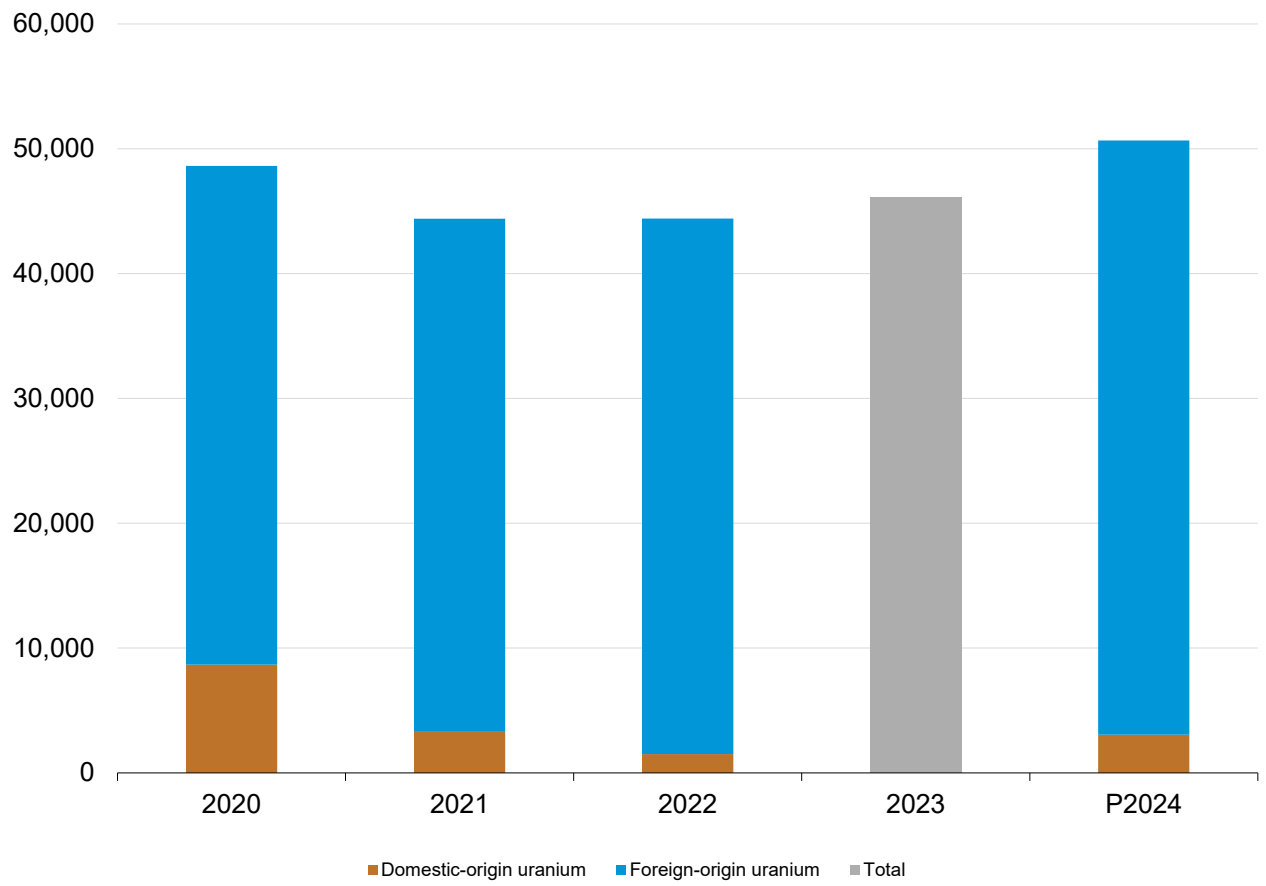
P = Preliminary data. Final 2023 fuel assembly data reported in the 2024 survey.

Notes: Includes only unirradiated uranium in new fuel assemblies loaded into reactors during the year. Does not include uranium removed from reactors that subsequently will be reloaded. Totals may not equal sum of components because of independent rounding.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2019–2023)

Figure 16. Uranium in fuel assemblies loaded into U.S. civilian nuclear power reactors by year, 2020–2024

thousand pounds U_3O_8 equivalent



P = Preliminary data. Final 2023 fuel assembly data reported in the 2024 survey.
Data Source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024)

Table 19. Foreign purchases of uranium by U.S. suppliers and owners and operators of U.S. civilian nuclear power reactors by delivery year, 2020–2024

thousand pounds U_3O_8 equivalent; dollars per pound U_3O_8 equivalent

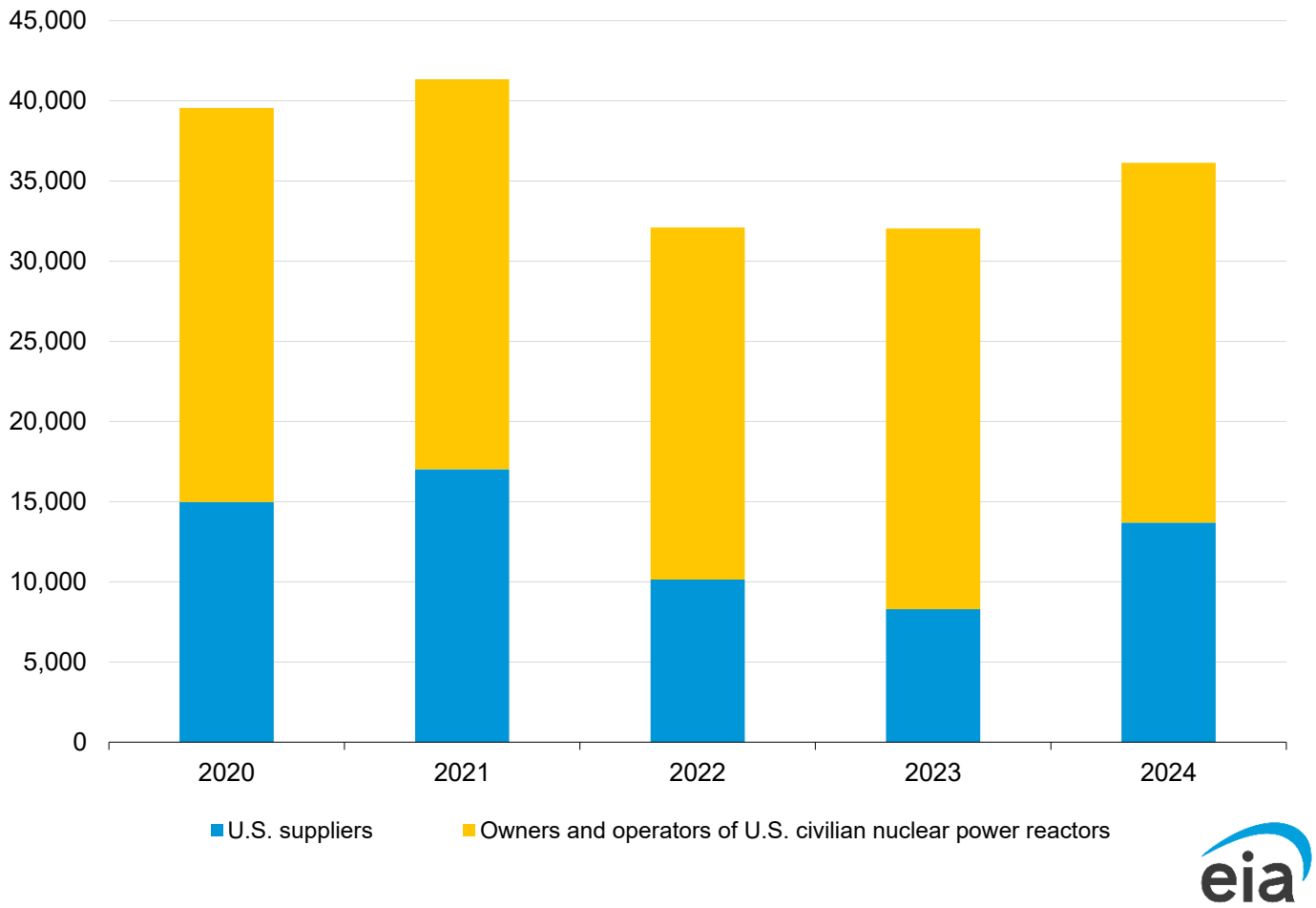
Deliveries	2020	2021	2022	2023	2024
U.S. suppliers					
Foreign purchases	14,983	17,021	10,145	8,295	13,698
Weighted-average price	31.27	33.19	42.48	40.04	63.60
Owners and operators of U.S. civilian nuclear power reactors					
Foreign purchases	24,572	24,327	21,961	23,740	22,441
Weighted-average price	35.33	33.30	39.40	42.48	54.64
Total					
Foreign purchases	39,555	41,348	32,107	32,035	36,139
Weighted-average price	33.79	33.26	40.31	41.88	57.99

Notes: Totals may not equal sum of components because of independent rounding. Foreign purchase: A uranium purchase of foreign-origin uranium from a firm located outside of the United States. Weighted-average prices are not adjusted for inflation.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024)

Figure 17. Foreign purchases of uranium by U.S. suppliers and owners and operators of U.S. civilian nuclear power reactors by delivery year, 2020–2024

thousand pounds U_3O_8 equivalent



Data Source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024)

Table 20. U.S. broker and trader purchases of uranium by origin, supplier, and delivery year, 2020–2024

thousand pounds U_3O_8 equivalent; dollars per pound U_3O_8 equivalent

Deliveries	2020	2021	2022	2023	2024
Received U.S.-origin uranium					
Purchases	W	938	393	W	638
Weighted-average price	W	42.71	43.64	W	64.70
Received foreign-origin uranium					
Purchases	W	42,537	31,304	W	29,802
Weighted-average price	W	34.94	43.87	W	73.00
Total received by U.S. brokers and traders					
Purchases	**34,411**	**43,474**	**31,698**	**21,915**	30,440
Weighted-average price	**30.14**	**35.10**	**43.87**	**50.92**	72.82
Received from foreign suppliers					
Purchases	14,436	16,637	9,620	7,646	13,383
Weighted-average price	31.51	33.53	42.36	39.28	62.58

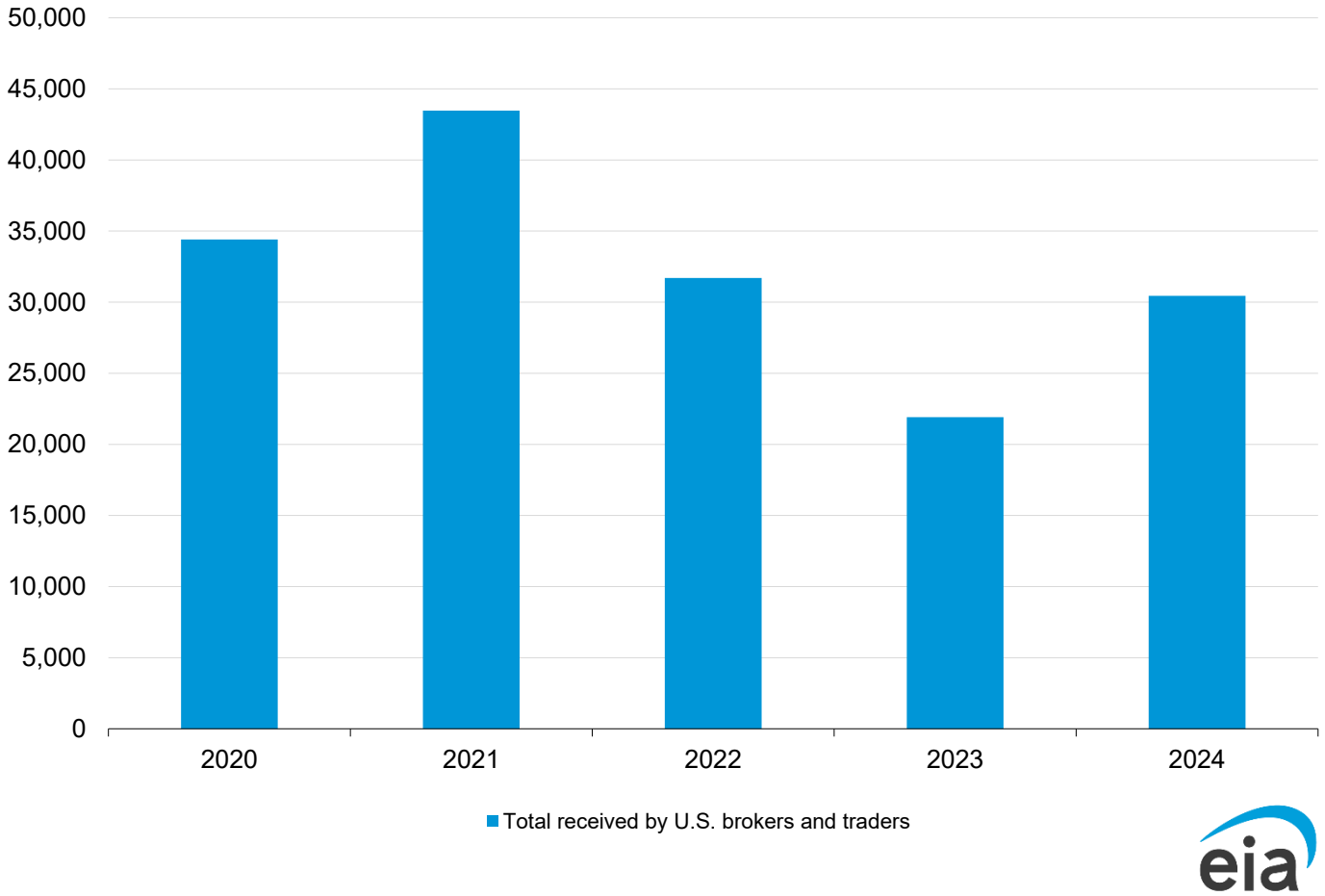
W = Data withheld to avoid disclosure of individual company data.

Notes: Totals may not equal sum of components because of independent rounding. Weighted-average prices are not adjusted for inflation.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024)

Figure 18. U.S. broker and trader purchases of uranium by delivery year, 2020–2024

thousand pounds U_3O_8 equivalent



Data Source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024)

Table 21. Foreign sales of uranium from U.S. suppliers and owners and operators of U.S. civilian nuclear power reactors by origin and delivery year, 2020–2024

thousand pounds U_3O_8 equivalent; dollars per pound U_3O_8 equivalent

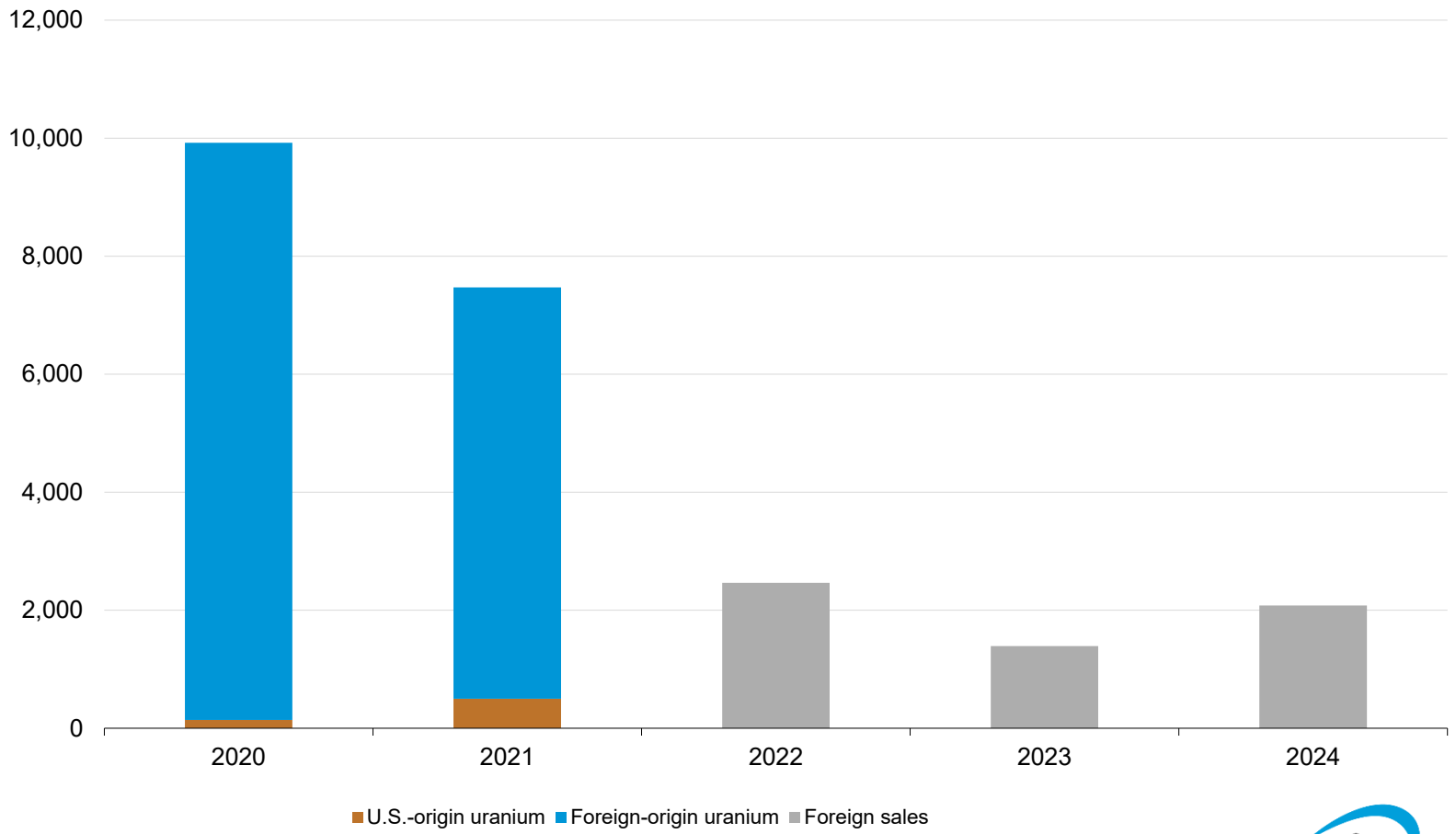
Deliveries to foreign suppliers and utilities	2020	2021	2022	2023	2024
U.S.-origin uranium					
Foreign sales	141	499	W	W	W
Weighted-average price	29.09	46.74	W	W	W
Foreign-origin uranium					
Foreign sales	9,781	6,973	W	W	W
Weighted-average price	29.58	35.04	W	W	W
Total sent:					
Foreign sales	**9,922**	**7,471**	**2,464**	**1,392**	2,081
Weighted-average price	**29.57**	**35.82**	**54.65**	**71.56**	78.22
From owners and operators of U.S. civilian nuclear power reactors, U.S. producers, and other U.S. suppliers					
Foreign sales	990	W	W	W	W
Weighted-average price	37.53	W	W	W	W
From U.S. brokers and traders					
Foreign sales	8,932	W	W	W	W
Weighted-average price	28.69	W	W	W	W

Notes: *Other U.S. suppliers* are U.S. converters, enrichers, and fabricators. Totals may not equal sum of components because of independent rounding. Foreign sale: A uranium sale to a firm located outside the United States. Weighted-average prices are not adjusted for inflation.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024)

Figure 19. Foreign sales of uranium from U.S. suppliers and owners and operators of U.S. civilian nuclear power reactors by origin and delivery year, 2020-2024

thousand pounds U_3O_8 equivalent



Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024)

Table 22. Inventories of natural and enriched uranium by material type as of end of year, 2020–2024

thousand pounds U_3O_8 equivalent

	Inventories at the end of the year				
Type of uranium inventory owned by	**2020**	**2021**	**2022**	**2023**	**P2024**
Owners and operators of U.S. civilian nuclear power reactors inventories	**106,863**	**108,503**	**102,409**	**114,287**	**126,376**
Uranium concentrate (U_3O_8)	21,868	19,726	18,878	22,610	23,769
Natural UF_6	37,806	36,400	31,075	31,078	40,708
Enriched UF_6	40,712	43,195	46,059	55,591	54,966
Fabricated fuel (not inserted into a reactor)	6,477	9,182	6,397	5,009	6,934
U.S. supplier inventories	**24,158**	**33,155**	**40,661**	**43,111**	**41,034**
Uranium concentrate (U_3O_8)	17,713	28,465	33,743	37,019	29,049
Natural UF_6	W	W	W	W	W
Enriched UF_6	W	W	W	W	W
Fabricated fuel (not inserted into a reactor)	0	0	0	0	0
Total commercial inventories	**131,020**	**141,658**	**143,070**	**157,398**	**167,410**

P = Preliminary data. Final 2023 inventory data reported in the 2024 survey.

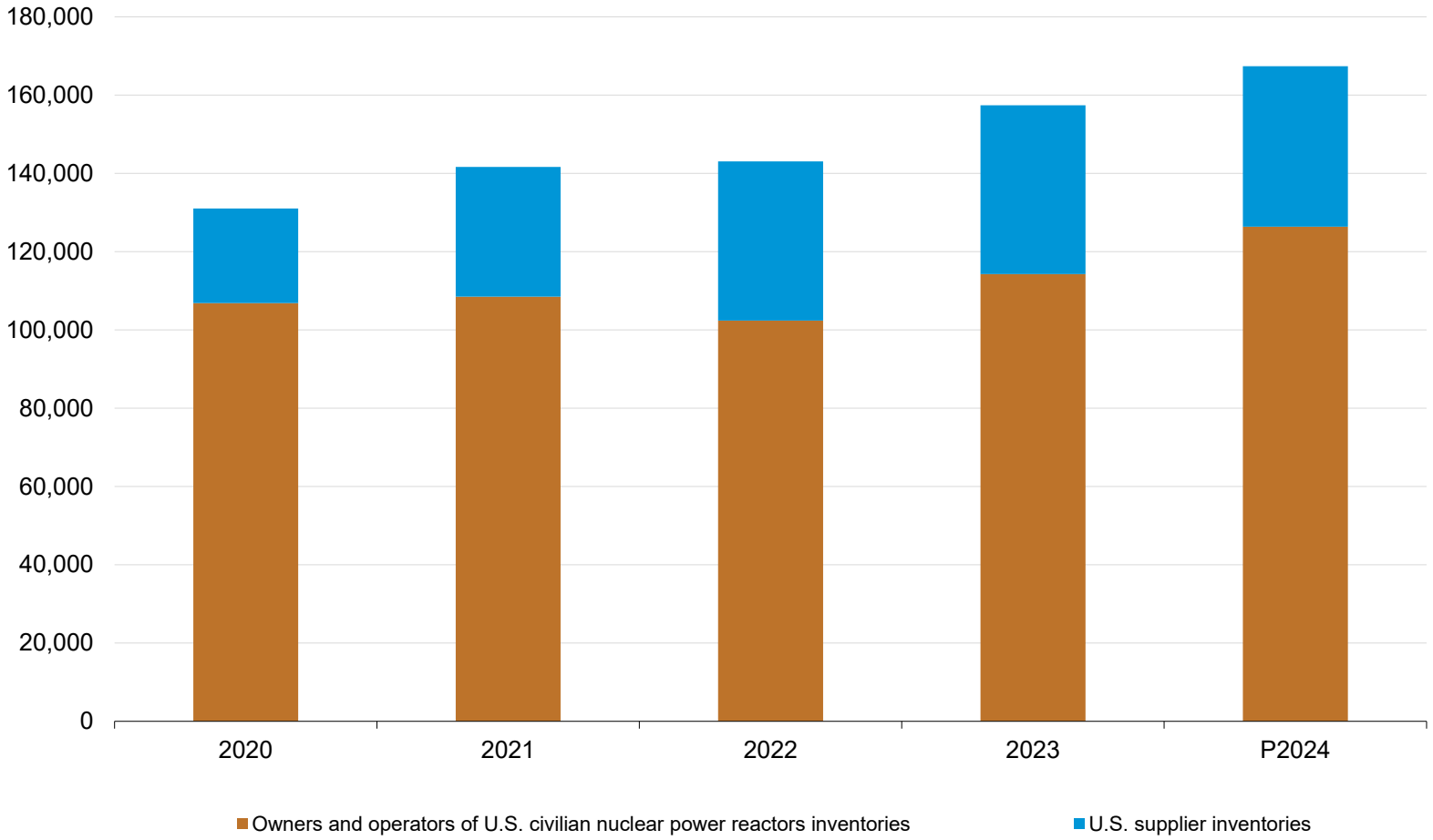
W = Data withheld to avoid disclosure of individual company data.

Note: Totals may not equal sum of components because of independent rounding.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024)

Figure 20. Commercial inventories of natural and enriched uranium as of end of year, 2020–2024

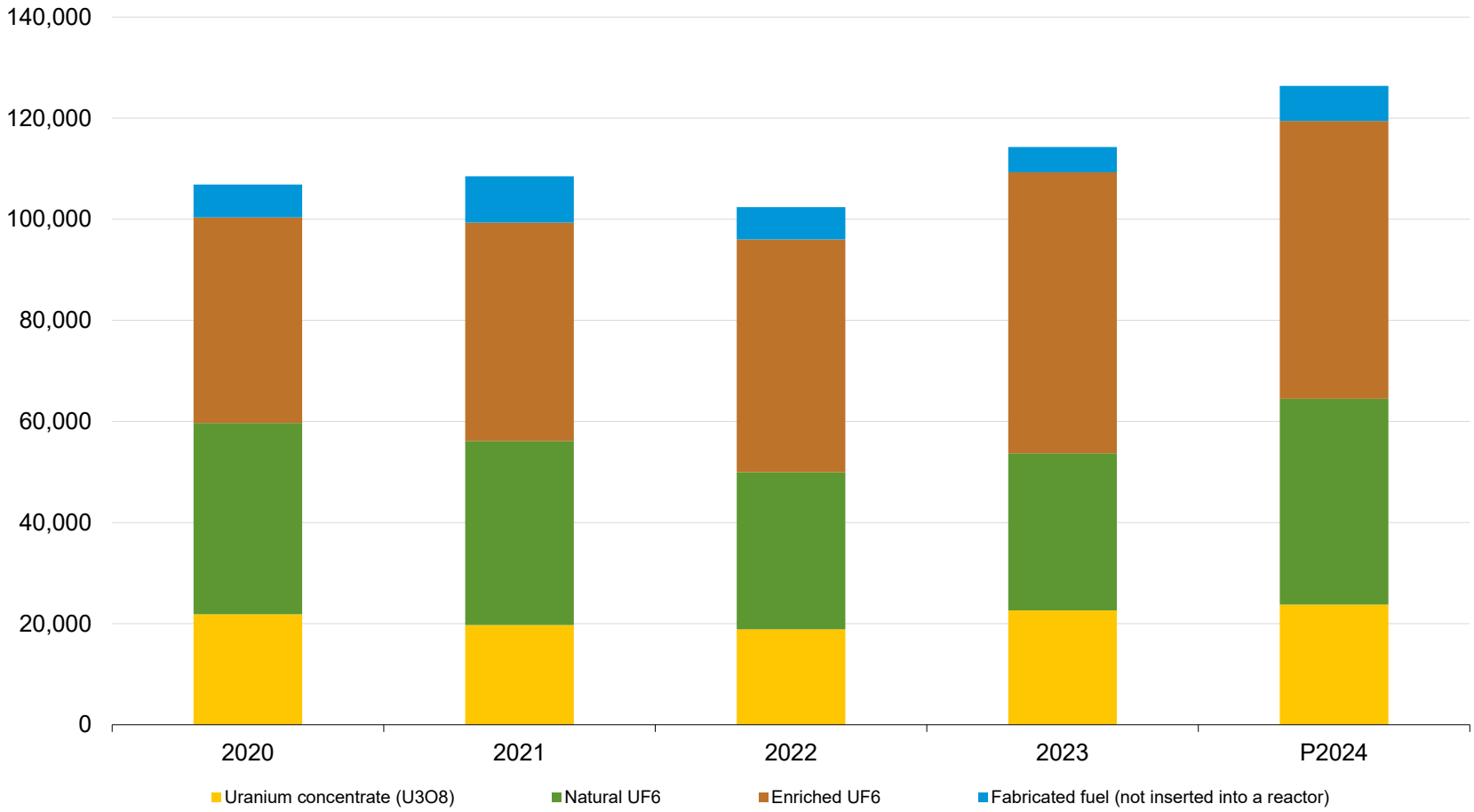
thousand pounds U_3O_8 equivalent



P = Preliminary data. Final 2023 inventory data reported in the 2024 survey.
Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024)

Figure 21. Owners and operators of U.S. civilian nuclear power reactors inventories by material type as of end of year, 2020–2024

thousand pounds U_3O_8 equivalent



P = Preliminary data. Final 2023 inventory data reported in the 2024 survey.
Data Source: U.S. Energy Information Administration, Form EIA-858, Uranium Marketing Annual Survey (2020–2024)

Table 23. Inventories of uranium by owner as of end of year, 2020-2024

thousand pounds U_3O_8 equivalent

	Inventories at the End of Year				
Owner of uranium inventory	**2020**	**2021**	**2022**	**2023**	**P2024**
Owners and operators of U.S. civilian nuclear power reactors	106,863	108,503	102,409	114,287	126,376
U.S. brokers and traders	18,311	25,187	31,980	34,565	34,933
U.S. converter, enrichers, fabricators, and producers	5,846	7,969	8,681	8,546	6,101
Total commercial inventories	**131,020**	**141,658**	**143,070**	**157,398**	**167,410**

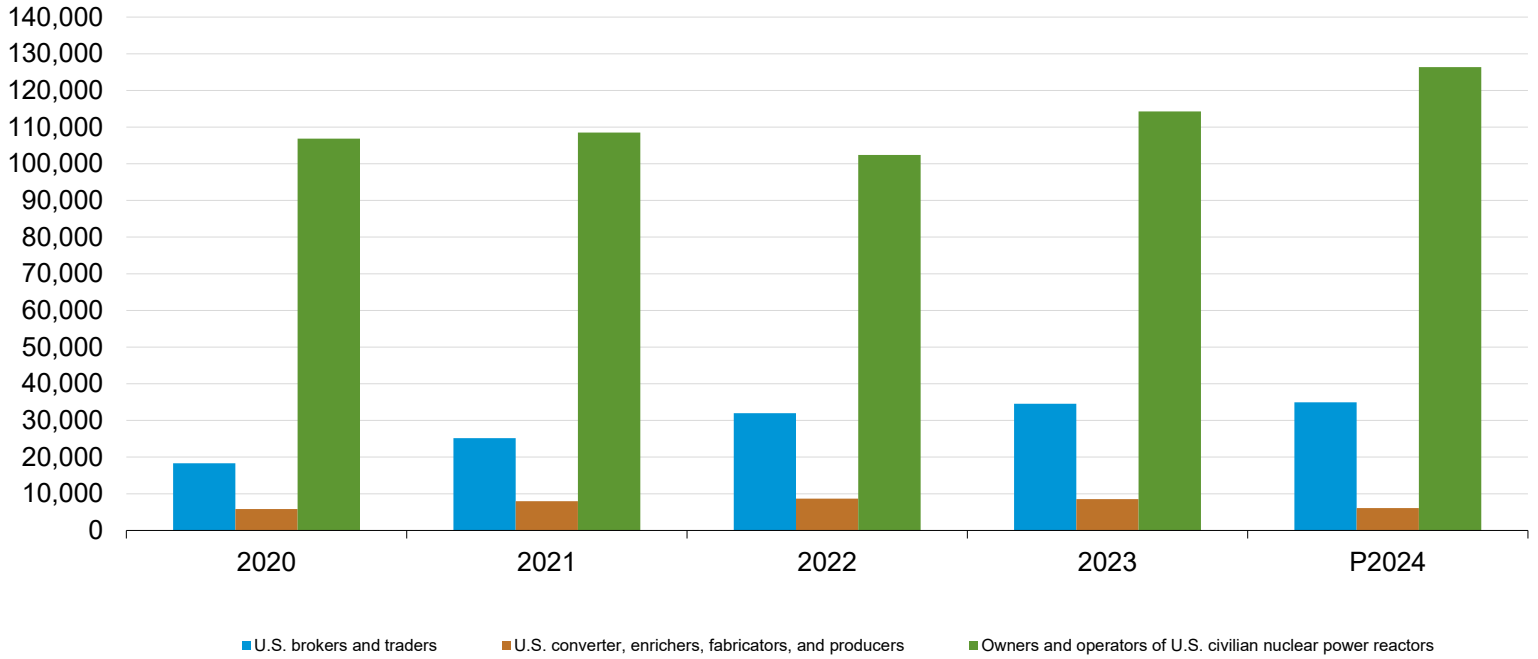
P = Preliminary data. Final 2023 inventory data reported in the 2024 survey.

Note: Totals may not equal sum of components because of independent rounding.

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024)

Figure 22. Commercial inventories of uranium by owner as of end of year, 2020–2024

thousand pounds U_3O_8 equivalent



P=Preliminary data. Final 2023 inventory data reported in the 2024 survey.
Data Source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2020–2024)

Table 24. Uranium sellers to owners and operators of U.S. civilian nuclear power reactors, 2022–2024

2022	2023	2024
AREVA / AREVA NC, Inc./ AREVA Resources Canada/Framatome	AREVA / AREVA NC, Inc./ AREVA Resources Canada/Framatome	BHCB, L.L.C.
BHP Billiton Olympic Dam Corporation Pty Ltd	BHP Billiton Olympic Dam Corporation Pty Ltd	BHP Billiton
CAMECO	CAMECO	Cameco
CGN Global Uranium Limited	Curzon Uranium Trading Limited	Centrus
ConverDyn	Energy Fuels	CGN Global Uranium
Curzon Uranium Trading Limited	Energy USA, Inc.	CNNC International Ltd
Energy USA, Inc.	Framatome	ConverDyn
Idemitsu	Itochu Corporation / Itochu International	Curzon Uranium LTD
Itochu Corporation / Itochu International	Kazatomprom	enCore Energy
Joshua Energy DAC	MTM Trading, LLC	Energy Fuels Holding Corp
Kazatomprom	Nuclear Fuel Services, Inc.	Energy USA
Louisiana Energy Services LLC	Orano	Framatome (LEU EUP)
Macquarie Bank	Quasar Resources	Itochu
MTM Trading, LLC	TENEX (Techsnabexport)	Joint-Stock National Atomic Company Kazatomprom
Nuclear Fuel Services, Inc.	Traxys North America, LLC	Joule Physical Uranium Fund
Nufcor International Limited	U Co., Ltd.	Kazatomprom
Orano	UG U.S.A., Inc.	Macquarie
Quasar Resources	USEC, Inc. (United States Enrichment Corporation)	Nufcor International Limited
Peninsula Energy / Strata Energy	Uranium One	Orano
Rio Tinto Uranium Limited	WMC Energy BV	Paladin Energy LTD
TENAM Corporation		Quasar Resources Pty Ltd
TENEX(Techsnabexport)		Rio Tinto Uranium
TEPCO Resources		Tenex USA
TH Kazakatom AG		TEPCO
Traxys North America, LLC		TH Kazakatom AG
U Co., Ltd.		Traxys North America LLC
UG U.S.A., Inc.		U Co. III, L.L.C.
Uranium One		UG USA
URENCO, Inc.		Ulba Metallurgical Plant Joint Stock Company (JSC)
Western Uranium Corp.		Uranium Asset Management
WMC Energy BV		Uranium One
		Urenco
		Ur-Energy USA Inc.
		Western Uranium Corp.
		WMC Energy

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2022–2024)

Table 25. Enrichment service sellers to owners and operators of U.S. civilian nuclear power reactors, 2021–2023

2022	2023	2024
AREVA Enrichment Services, LLC / AREVA NC, Inc.	AREVA Enrichment Services, LLC / AREVA NC, Inc.	AREVA NC
Centrus Energy Corp.	Centrus Energy Corp.	LES, LLC
Energy Northwest	CNEIC (China Nuclear Energy Industry Corporation)	URENCO
Itochu Corporation	LES, LLC (Louisiana Energy Services)	URENCO
LES, LLC (Louisiana Energy Services)	TENAM Corporation	URENCO Nederland B.V.
TENAM Corporation	TENEX (Techsnabexport Joint Stock Company)	URENCO UK Limited
TENEX (Techsnabexport Joint Stock Company)	URENCO, Inc. (Deutschland GmbH, Nederland B.V., UK Limited)	URENCO USA, Inc.
URENCO, Inc. (Deutschland GmbH, Nederland B.V., UK Limited)	USEC, Inc. (United States Enrichment Corporation)	USEC
USEC, Inc. (United States Enrichment Corporation)		

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2022–2024)

Table 26. Uranium inventory distribution ranked by quantity, 2024

thousand pounds U_3O_8 equivalent

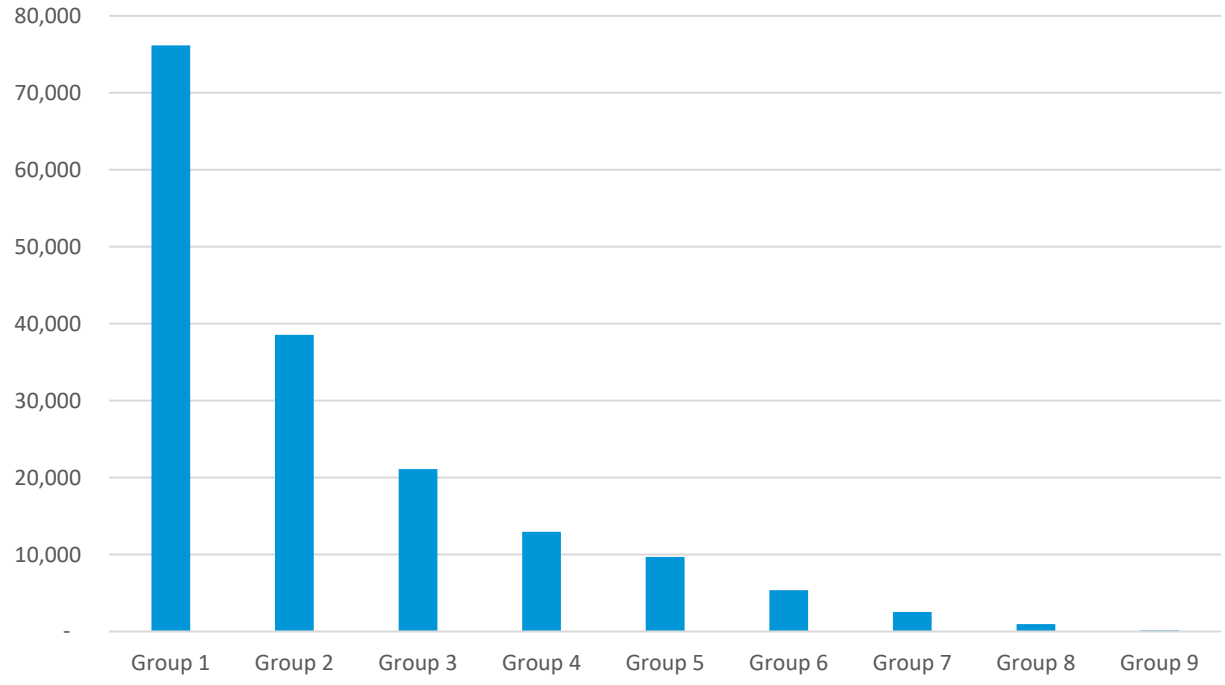
Quantity distribution[1]	2024 inventory
Group 1	76,153
Group 2	38,545
Group 3	21,096
Group 4	12,956
Group 5	9,685
Group 6	5,365
Group 7	2,529
Group 8	945
Group 9	138
Total	**167,410**

[1] Distribution divides total quantity of uranium inventory as of 2024 into nine groups (sorted from highest to lowest)

Data source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2024)

Figure 23. Uranium inventory distribution ranked by quantity, 2024

thousand pounds U_3O_8 equivalent



Data Source: U.S. Energy Information Administration, Form EIA-858, *Uranium Marketing Annual Survey* (2024)