



Independent Statistics & Analysis
U.S. Energy Information
Administration

Domestic Uranium Production Report First-Quarter 2021

April 2021



This report was prepared by the U.S. Energy Information Administration (EIA), the statistical and analytical agency within the U.S. Department of Energy. By law, EIA's data, analyses, and forecasts are independent of approval by any other officer or employee of the United States Government. The views in this report therefore should not be construed as representing those of the U.S. Department of Energy or other federal agencies.

Contacts

This report was prepared by the Electricity Supply & Uranium Statistics & Product Innovation Team in the Office of Energy Production, Conversion, & Delivery. If you have questions about the preparation and content of this report, email us at InfoNuclearData@eia.gov.

Contents

Contacts	ii
Introduction	1
First-quarter 2021.....	2

Tables

Table 1. Total production of uranium concentrate in the United States, 1996 to first-quarter 2021	3
Table 2. Number of uranium mills and plants producing uranium concentrate in the United States	4
Table 3. U.S. uranium mills and heap leach facilities by owner, location, capacity, and operating status ..	5
Table 4. U.S. uranium in-situ recovery plants by owner, location, capacity, and operating status	6

Figures

Figure 1. Uranium concentrate production in the United States, 1996 to first-quarter 2021	8
---	---

Introduction

In this report, the U.S. Energy Information Administration (EIA) reports U.S. uranium production from 1996 through the first quarter of 2021. Data in this report are based on information reported on Form EIA-851A, *Domestic Uranium Production Report (Annual)*, and Form EIA-851Q, *Domestic Uranium Production Report (Quarterly)*.

Previous issues of this report are available on the [EIA website](#).

Definitions for terms used in this report are available in EIA's [Energy Glossary](#).

First-quarter 2021

EIA could not publicly release data for U.S. production of uranium concentrate (U3O8) in the first quarter of 2021. Domestic uranium production has declined considerably in recent years, and activity did not reach a threshold where a specific production figure could be published without violating the protections that EIA has committed to provide.

During the first quarter of 2021, three U.S. uranium facilities produced uranium, three less than in the fourth quarter of 2020. This does not mean three facilities were actively operating and producing material during the quarter. It is a count of any facility that packaged material during the quarter though they may not be in active commercial (injecting solution and drying material) operation at the time.

Table 1. Total production of uranium concentrate in the United States, 1996 to first-quarter 2021

pounds U3O8

Calendar-year quarter	First quarter	Second quarter	Third quarter	Fourth quarter	Calendar-year total
1996	1,734,427	1,460,058	1,691,796	1,434,425	6,320,706
1997	1,149,050	1,321,079	1,631,384	1,541,052	5,642,565
1998	1,151,587	1,143,942	1,203,042	1,206,003	4,704,574
1999	1,196,225	1,132,566	1,204,984	1,076,897	4,610,672
2000	1,018,683	983,330	981,948	973,585	3,975,545
2001	709,177	748,298	628,720	553,060	2,639,256
2002	620,952	643,432	579,723	E500,000	E2,344,107
2003	E400,000	E600,000	E400,000	E600,000	E2,000,000
2004	E600,000	E400,000	588,738	E600,000	2,282,406
2005	709,600	630,053	663,068	686,456	2,689,178
2006	931,065	894,268	1,083,808	1,196,485	4,105,626
2007	1,162,737	1,119,536	1,075,460	1,175,845	4,533,578
2008	810,189	1,073,315	980,933	1,037,946	3,902,383
2009	880,036	982,760	956,657	888,905	3,708,358
2010	876,084	1,055,102	1,150,725	1,146,281	4,228,192
2011	1,063,047	1,189,083	846,624	892,013	3,990,767
2012	1,078,404	1,061,289	1,048,018	957,936	4,145,647
2013	1,147,031	1,394,232	1,171,278	946,301	4,658,842
2014	1,242,179	1,095,011	1,468,608	1,085,534	4,891,332
2015	1,154,408	789,980	774,541	624,278	3,343,207
2016	626,522	745,306	818,783	725,947	2,916,558
2017	450,215	726,375	643,212	622,987	2,442,789
2018	226,780	365,421	527,064	328,680	1,447,945
2019	58,481	44,569	32,211	38,614	173,875
P2020	8,098	W	W	W	W
P2021	W	-	-	-	-

E = Estimated data. P = Preliminary data. NA = Not available. -- = Not applicable. W = Withheld

Notes: The reported fourth quarter 2002 production amount was adjusted by rounding to the nearest 100,000 pounds to avoid disclosure of individual company data. This adjustment also affects the 2002 annual production. The reported production amounts in 2003 and the first, second, and fourth quarters of 2004 were adjusted by rounding to the nearest 200,000 pounds to avoid disclosure of individual company data. The reported 2004 total is the actual production for 2004. Second-quarter 2020 through first-quarter 2021 production was withheld due to confidentiality concerns. Totals may not equal the sum of components because of independent rounding.

Source: U.S. Energy Information Administration: Form EIA-851A, Domestic Uranium Production Report (Annual), and Form EIA-851Q, Domestic Uranium Production Report (Quarterly)

Table 2. Number of uranium mills and plants producing uranium concentrate in the United States

End of	Uranium concentrate processing facilities				Total
	Mills - conventional milling ¹	Mills - other operations ²	In-situ recovery plants ³	Byproduct recovery plants ⁴	
1996	0	2	5	2	9
1997	0	3	6	2	11
1998	0	2	6	1	9
1999	1	2	4	0	7
2000	1	2	3	0	6
2001	0	1	3	0	4
2002	0	1	2	0	3
2003	0	0	2	0	2
2004	0	0	3	0	3
2005	0	1	3	0	4
2006	0	1	5	0	6
2007	0	1	5	0	6
2008	1	0	6	0	7
2009	0	1	3	0	4
2010	1	0	4	0	5
2011	1	0	5	0	6
2012	1	0	5	0	6
2013	0	1	6	0	7
2014	0	0	7	0	7
2015	0	0	4	0	4
2016	0	1	6	0	7
2017	0	1	6	0	7
2018	0	1	5	0	6
2019	0	0	5	0	5
2020	0	1	5	0	6
First quarter of 2021	0	0	3	0	3

¹ Milling uranium-bearing ore

² Not milling ore, but producing uranium concentrate from other (non-ore) materials

³ Not including in-situ-recovery plants that only produced uranium concentrate from restoration

⁴ Uranium concentrate as a byproduct from phosphate production

Source: U.S. Energy Information Administration: Form EIA-851A, Domestic Uranium Production Report (Annual), and Form EIA-851Q, Domestic Uranium Production Report (Quarterly)

Table 3. U.S. uranium mills and heap leach facilities by owner, location, capacity, and operating status

Owner	Mill and heap leach ¹ facility name	County, state (existing and planned locations)	Capacity (short tons of ore per day)	Operating status at end of				
				2020	First-quarter 2021	Second-quarter 2021	Third-quarter 2021	Fourth-quarter 2021
Anfield Resources Inc.	Shootaring Canyon Uranium Mill	Garfield, Utah	750	standby	standby	-	-	-
EFR White Mesa LLC	White Mesa Mill	San Juan, Utah	2,000	operating	standby	-	-	-
Energy Fuels Wyoming Inc	Sheep Mountain	Fremont, Wyoming	725	undeveloped	undeveloped	-	-	-
Kennecott Uranium Company/Wyoming Coal Resource Company	Sweetwater Uranium Project	Sweetwater, Wyoming	3,000	standby	standby	-	-	-
Total capacity			6,475					

¹ Heap leach solutions: The separation, or dissolving-out from mined rock, of the soluble uranium constituents by the natural action of percolating a prepared chemical solution through mounded (heaped) rock material. The mounded material usually contains low-grade mineralized material and/or waste rock produced from open pit or underground mines. The solutions are collected after percolation is completed, and the solutions are processed to recover the valued components.

- = No data reported

Notes: Capacity for the first-quarter of 2021. An operating status of *operating* indicates the mill usually was producing uranium concentrate at the end of the period.

Source: U.S. Energy Information Administration: Form EIA-851A, Domestic Uranium Production Report (Annual), and Form EIA-851Q, Domestic Uranium Production Report (Quarterly)

Table 4. U.S. uranium in-situ recovery plants by owner, location, capacity, and operating status

In-situ recovery plant owner	In-situ recovery plant name	County, state (existing and planned locations)	Production capacity (pounds U3O8 per year)	2020	Operating status at end of			
					First-quarter 2021	Second-quarter 2021	Third-quarter 2021	Fourth-quarter 2021
Uranium Energy Corporation	Reno Creek	Campbell, Wyoming	2,000,000	permitted and licensed	permitted and licensed	-	-	-
Azarga Uranium Corp	Dewey Burdock Project	Fall River and Custer, South Dakota	1,000,000	partially permitted and licensed	partially permitted and licensed	-	-	-
Cameco	Crow Butte Operation	Dawes, Nebraska	1,000,000	standby	standby	-	-	-
Hydro Resources, Inc.	Church Rock	McKinley, New Mexico	1,000,000	partially permitted and licensed	partially permitted and licensed	-	-	-
Hydro Resources, Inc.	Crownpoint	McKinley, New Mexico	1,000,000	partially permitted and licensed	partially permitted and licensed	-	-	-
Lost Creek ISR LLC	Lost Creek Project	Sweetwater, Wyoming	2,000,000	operating	operating	-	-	-
Mestena Uranium LLC	Alta Mesa Project	Brooks, Texas	1,500,000	standby	standby	-	-	-
Pathfinder Mines Corporation	Pathfinder Shirley Basin	Carbon County, Wyoming	1,400,000	developing	developing	-	-	-
Power Resources, Inc. doing business as Cameco Resources	Smith Ranch-Highland Operation	Converse, Wyoming	5,500,000	operating	operating	-	-	-
Uranium Energy Corporation	Hobson ISR Plant	Karnes, Texas	2,000,000	standby	standby	-	-	-
Uranium Energy Corporation	La Palangana	Duval, Texas	1,000,000	standby	standby	-	-	-
Strata Energy Inc	Ross CPP	Crook, Wyoming	375,000	standby	standby	-	-	-

Table 4. U.S. uranium in-situ-recovery plants by owner, location, capacity, and operating status (cont.)

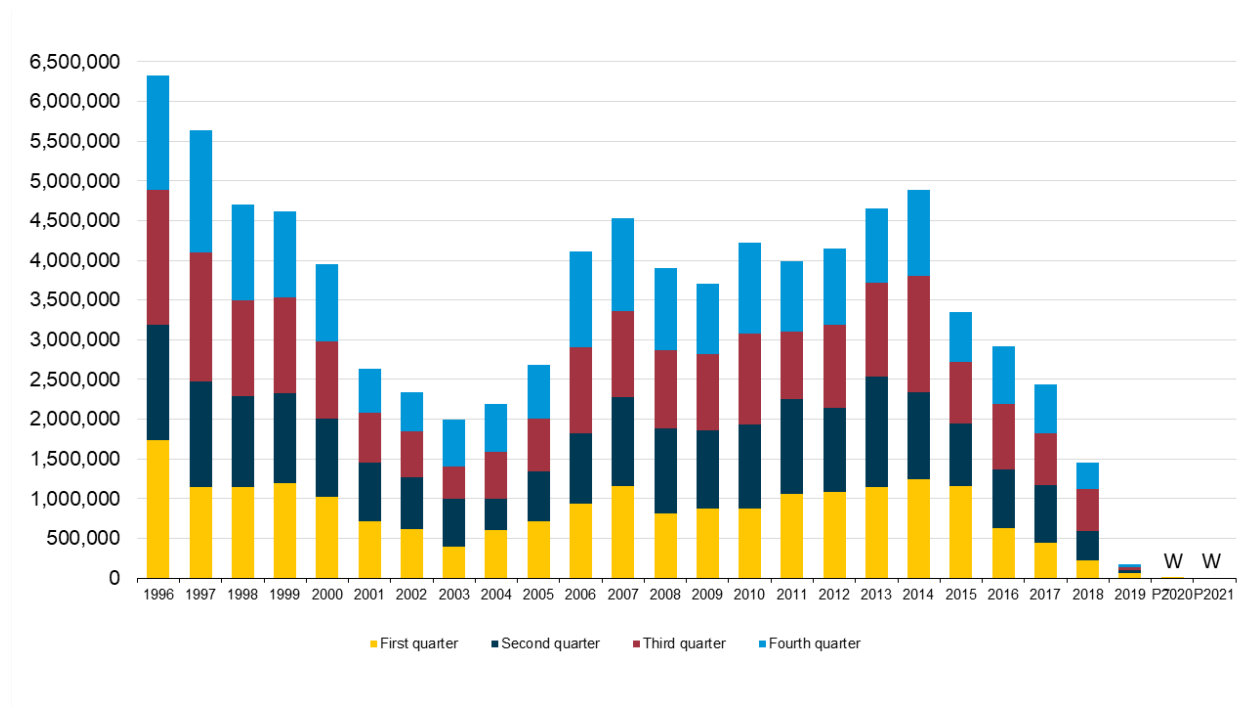
In-situ recovery plant owner	In-situ recovery plant name	County, state (existing and planned locations)	Production capacity (pounds U3O8 per year)	2020	Operating status at end of			
					First-quarter 2021	Second-quarter 2021	Third-quarter 2021	Fourth-quarter 2021
Urinerz Energy Corporation (An Energy Fuels company)	Nichols Ranch ISR Project	Johnson and Campbell, Wyoming	2,000,000	standby	standby	-	-	-
Uranium Energy Corporation	Burke Hollow	Bee County, Texas	1,000,000	permitted and licensed	permitted and licensed	-	-	-
Uranium Energy Corporation	Goliad ISR Uranium Project	Goliad, Texas	1,000,000	permitted and licensed	permitted and licensed	-	-	-
Uranium One Americas, Inc.	Jab and Antelope	Sweetwater, Wyoming	2,000,000	developing	developing	-	-	-
Uranium One Americas, Inc.	Moore Ranch	Campbell, Wyoming	500,000	partially permitted and licensed	partially permitted and licensed	-	-	-
Uranium One USA, Inc.	Willow Creek Project (Christensen Ranch and Irigaray)	Campbell and Johnson, Wyoming	1,300,000	standby	standby	-	-	-
Total production capacity			27,575,000					

Notes: Production capacity for the first-quarter of 2021. An operating status of *operating* indicates the in-situ recovery plant usually was producing uranium concentrate at the end of the period. Hobson ISR Plant processed uranium concentrate that came from La Palangana. Hobson and La Palangana are part of the same project. ISR stands for in-situ recovery. Christensen Ranch and Irigaray are part of the Willow Creek Project. Urinerz Energy has a tolling arrangement with Cameco Resources. Uranium is first processed at the Nichols Ranch plant and then transported to the Smith Ranch-Highland Operation plant for final processing into uranium concentrate. CPP stands for *central processing plant*.

Source: U.S. Energy Information Administration: Form EIA-851A, Domestic Uranium Production Report (Annual), and Form EIA-851Q, Domestic Uranium Production Report (Quarterly)

Figure 1. Uranium concentrate production in the United States, 1996 to first-quarter 2021

pounds U3O8



P = Preliminary data

Source: U.S. Energy Information Administration, Form EIA-851A, *Domestic Uranium Production Report (Annual)*, and Form EIA-851Q, *Domestic Uranium Production Report (Quarterly)*