



Independent Statistics & Analysis
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Domestic Uranium Production Report 4th Quarter 2013

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Preface

The U.S. Energy Information Administration (EIA) reports data spanning 1996 through fourth quarter 2013 on U.S. uranium production activities in this report, *4th Quarter 2013 Domestic Uranium Production Report*. 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 may be found on the EIA website at <http://www.eia.gov/uranium/production/quarterly>

Definitions for terms used in this report can be found in EIA’s Energy Glossary: <http://www.eia.gov/tools/glossary/>.

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4th Quarter 2013

U.S. production of uranium concentrate in the fourth quarter 2013 was 1,095,168 pounds U_3O_8 , down 6 percent from the previous quarter and up 14 percent from the fourth quarter 2012. During the fourth quarter 2013, U.S. uranium was produced at seven U.S. uranium facilities, one more than in the last quarter.

U.S. Uranium Mill in Production (State)

1. White Mesa Mill (Utah)

U.S. Uranium In-Situ-Leach Plants in Production (State)

1. Alta Mesa Project (Texas)
2. Crow Butte Operation (Nebraska)
3. Hobson ISR Plant/La Palangana (Texas)
4. Lost Creek Project (Wyoming)
5. Smith Ranch-Highland Operation (Wyoming)
6. Willow Creek Project (Wyoming)

With the Lost Creek Project now producing, Wyoming had three uranium concentrate processing facilities operating this quarter. Uranium concentrate production from Wyoming totaled 883,544 pounds U_3O_8 , (81% of U.S. production), with the remaining 211,624 pounds U_3O_8 (19%) coming from Nebraska, Texas, and Utah. When possible, EIA will report aggregate state-level data provided individual company data are not disclosed, as is the case for uranium concentrate production from Wyoming this quarter.

Preliminary 2013 total

U.S. uranium concentrate production totaled 4,807,709 pounds U_3O_8 in 2013. This amount is at its highest level since 1997 and is 16% higher than the 4,145,647 pounds produced in 2012. U.S. production in 2013 represents about 10% of the 2013 anticipated uranium market requirements of 50 million pounds at U.S. civilian nuclear power reactors.¹

¹ [2012 Uranium Marketing Annual Report, Table 12.](#)

Table 1. Total production of uranium concentrate in the United States, 1996 – 4th Quarter 2013pounds U₃O₈

Calendar- Year Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th 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
P2013	1,147,031	1,394,232	1,171,278	1,095,168	4,807,709

Notes: The reported 4th quarter 2002 production amount was adjusted by rounding to the nearest 100,000 pounds to avoid disclosure of individual company data. This also affects the 2002 annual production. The reported 2003 and 1st, 2nd, and 4th quarter 2004 production amounts 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. Totals may not equal sum of components because of independent rounding.

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

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

Uranium Concentrate Processing Facilities	End of 1996	End of 1997	End of 1998	End of 1999	End of 2000	End of 2001	End of 2002	End of 2003	End of 2004	End of 2005	End of 2006	End of 2007	End of 2008	End of 2009	End of 2010	End of 2011	End of 2012	End of 4th Quarter 2013
Mills - conventional milling ¹	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	1	1	0
Mills - other operations ²	2	3	2	2	2	1	1	0	0	1	1	1	0	1	0	0	0	1
In-Situ-Leach Plants ³	5	6	6	4	3	3	2	2	3	3	5	5	6	3	4	5	5	6
Byproduct Recovery Plants ⁴	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	9	11	9	7	6	4	3	2	3	4	6	6	7	4	5	6	6	7

¹ Milling uranium-bearing ore.

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

³ Not including in-situ-leach 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 and Form EIA-851Q, "Domestic Uranium Production Report."

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				
				2012	1st Quarter 2013	2nd Quarter 2013	3rd Quarter 2013	4th Quarter 2013
EFR White Mesa LLC	White Mesa Mill	San Juan, Utah	2,000	Operating	Operating	Operating	Operating- Processing Alternate Feed	Operating- Processing Alternate Feed
Energy Fuels Resources Corporation	Piñon Ridge Mill	Montrose, Colorado	500	Partially Permitted And Licensed	Partially Permitted And Licensed	Partially Permitted And Licensed	Permitted And Licensed	Permitted And Licensed
Energy Fuels Wyoming Inc.	Sheep Mountain	Fremont, Wyoming	725	-	Undeveloped	Undeveloped	Undeveloped	Undeveloped
Kennecott Uranium Company and Wyoming Coal Resource Company	Sweetwater Uranium Project	Sweetwater, Wyoming	3,000	Standby	Standby	Standby	Standby	Standby
Roca Honda Resources LLC	Pena Ranch	McKinley, New Mexico	2,000	-	Developing	Developing	Undeveloped	Undeveloped
Strathmore Resources (US) Ltd.	Gas Hills	Fremont, Wyoming	2,200	-	Developing	Developing	Undeveloped	Undeveloped
Uranium One Americas, Inc.	Shootaring Canyon Uranium Mill	Garfield, Utah	750	Standby	Standby	Standby	Standby	Standby
Total Capacity:			11,175					

- = No data reported.

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 processed to recover the valued components.

Notes: Capacity for 4th Quarter 2013. An operating status of "Operating" indicates the mill was producing uranium concentrate at the end of the period

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

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

In-Situ-Leach Plant Owner	In-Situ-Leach Plant Name	County, State (existing and planned locations)	Production Capacity (pounds U ₃ O ₈ per year)	Operating Status at End of				
				2012	1st Quarter 2013	2nd Quarter 2013	3rd Quarter 2013	4th Quarter 2013
Cameco	Crow Butte Operation	Dawes, Nebraska	1,000,000	Operating	Operating	Operating	Operating	Operating
Hydro Resources, Inc.	Church Rock	<i>McKinley, New Mexico</i>	1,000,000	Partially Permitted And Licensed	Partially Permitted And Licensed	Partially Permitted And Licensed	Partially Permitted And Licensed	Partially Permitted And Licensed
Hydro Resources, Inc.	Crownpoint	<i>McKinley, New Mexico</i>	1,000,000	Partially Permitted And Licensed	Partially Permitted And Licensed	Partially Permitted And Licensed	Partially Permitted And Licensed	Partially Permitted And Licensed
Lost Creek ISR, LLC,	Lost Creek Project	Sweetwater, Wyoming	2,000,000	Under Construction	Under Construction	Under Construction	Operational	Operating
Mestena Uranium LLC	Alta Mesa Project	Brooks, Texas	1,500,000	Producing	Producing	Producing	Producing	Producing
Power Resources Inc. dba Cameco Resources	Smith Ranch-Highland Operation	Converse, Wyoming	5,500,000	Operating	Operating	Operating	Operating	Operating
Powertech Uranium Corp	Dewey Burdock Project	<i>Fall River and Custer, South Dakota</i>	1,000,000	Developing	Developing	Developing	Developing	Developing
South Texas Mining Venture	Hobson ISR Plant	Karnes, Texas	1,000,000	Operating	Operating	Operating	Operating	Operating
South Texas Mining Venture	La Palangana	Duval, Texas	1,000,000	Operating	Operating	Operating	Operating	Operating
Strata Energy Inc	Ross	<i>Crook, Wyoming</i>	3,000,000	Partially Permitted And Licensed	Partially Permitted And Licensed	Partially Permitted And Licensed	Partially Permitted And Licensed	Partially Permitted And Licensed
URI, Inc.	Kingsville Dome	Kleberg, Texas	1,000,000	Standby	Standby	Restoration	Restoration	Restoration
URI, Inc.	Rosita	Duval, Texas	1,000,000	Standby	Standby	Restoration	Restoration	Restoration
URI, Inc.	Vasquez	Duval, Texas	800,000	Restoration	Restoration	Restoration	Restoration	Restoration

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

In-Situ-Leach Plant Owner	In-Situ-Leach Plant Name	County, State (existing and planned locations)	Production Capacity (pounds U ₃ O ₈ per year)	Operating Status at End of				
				2012	1st Quarter 2013	2nd Quarter 2013	3rd Quarter 2013	4th Quarter 2013
Urancerz Energy Corporation	Nichols Ranch ISR Project	Johnson and Campbell, Wyoming	2,000,000	Under Construction	Under Construction	Under Construction	Under Construction	Under Construction
Uranium Energy Corp.	Goliad ISR Uranium Project	Goliad, Texas	1,000,000	Permitted And Licensed	Permitted And Licensed	Permitted And Licensed	Permitted And Licensed	Permitted And Licensed
Uranium One Americas, Inc.	Jab and Antelope	Sweetwater, Wyoming	2,000,000	Developing	Developing	Developing	Developing	Developing
Uranium One Americas, Inc.	Moore Ranch	Campbell, Wyoming	500,000	Permitted And Licensed	Permitted And Licensed	Permitted And Licensed	Permitted And Licensed	Permitted And Licensed
Uranium One USA, Inc.	Willow Creek Project (Christensen Ranch and Irigaray)	Campbell and Johnson, Wyoming	1,300,000	Producing	Producing	Producing	Producing	Producing
Total Production Capacity:			27,600,000					

Notes: Production capacity for 4th Quarter 2013. An operating status of "Operating" indicates the in-situ-leach 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.

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

Table 5. Uranium concentrate production by State, 4th Quarter 2013pounds U₃O₈

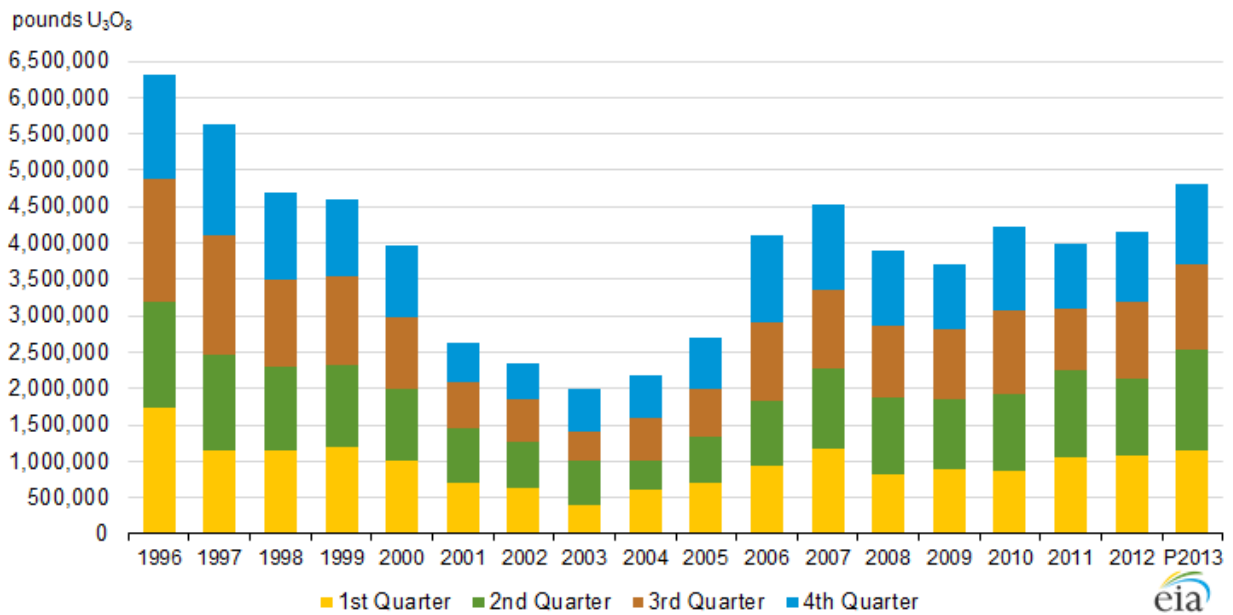
State	4th Quarter 2013 Uranium Concentrate Production
Nebraska	W
Texas	W
Utah	W
Wyoming	883,544
Total	1,095,168

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

Note: In the future, it is not assured that any State-level production can be reported. It will be withheld if it discloses individual company data based on EIA Standard 2008-22, Nondisclosure of Company Identifiable Data in Aggregate Cells.

Source: U.S. Energy Information Administration: Form EIA-851Q, "Domestic Uranium Production Report."

Figure 1. Uranium concentrate production in the United States, 1996 – 4th Quarter 2013



P = Preliminary data.

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