



Independent Statistics & Analysis
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Domestic Uranium Production Report 2nd Quarter 2014

July 2014



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Preface

The U.S. Energy Information Administration (EIA) reports data spanning 1996 through second quarter 2014 on U.S. uranium production activities in this report, *2nd Quarter 2014 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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2nd Quarter 2014

U.S. production of uranium concentrate in the second quarter 2014 was 1,095,011 pounds U_3O_8 , down 12% from the previous quarter and down 21% from the second quarter 2013. With the addition of a new production facility during the second quarter 2014, U.S. uranium was produced at eight U.S. uranium facilities.

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. Nichols Ranch ISR Project (Wyoming) - **NEW**
6. Smith Ranch-Highland Operation (Wyoming)
7. Willow Creek Project (Wyoming)

New during this quarter, Uranerz Energy's Nichols Ranch ISR Project in Wyoming started production. Uranerz Energy has a tolling agreement¹ 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 Uranerz's uranium concentrate. With the addition of Nichols Ranch Wyoming has four plants in production.

For the first half of 2014, U.S. uranium concentrate production totaled 2,337,190 pounds U_3O_8 . This amount is 8% lower than the 2,541,263 pounds produced during the first half of 2013.

¹ **Tolling arrangement:** Contract arrangement under which a raw material or intermediate product stream from one company is delivered to the production facility of another company in exchange for the equivalent volume of finished products and payment of a processing fee.

Table 1. Total production of uranium concentrate in the United States, 1996 – 2nd Quarter 2014pounds 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 |
| 2013 | 1,147,031 | 1,394,232 | 1,171,278 | 946,301 | 4,658,842 |
| P2014 | 1,242,179 | 1,095,011 | NA | NA | -- |

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

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

| End of | Uranium Concentrate Processing Facilities | | | | Total |
|-------------|---|---------------------------------------|-----------------------------------|--|-------|
| | Mills - conventional milling ¹ | Mills - other operations ² | In-situ-leach 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 |
| 2nd Quarter | | | | | |
| 2014 | 1 | 0 | 7 | 0 | 8 |

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 | | |
|---|---|---|--|--|--|---------------------------|
| | | | | 2013 | 1st quarter 2014 | 2nd quarter 2014 |
| EFR White Mesa LLC | White Mesa Mill | San Juan, Utah | 2,000 | Operating- Processing Alternate Feed | Operating- Processing Alternate Feed | Operating |
| Energy Fuels Resources Corp | Piñon Ridge Mill | Montrose, Colorado | 500 | Permitted And Licensed | Permitted And Licensed | Permitted And Licensed |
| Energy Fuels Wyoming Inc | Sheep Mountain | Fremont, Wyoming | 725 | Undeveloped | Undeveloped | Undeveloped |
| Kennecott Uranium Company/Wyoming Coal Resource Company | Sweetwater Uranium Project | Sweetwater, Wyoming | 3,000 | Standby | Standby | Standby |
| Uranium One Americas, Inc. | Shootaring Canyon Uranium Mill | Garfield, Utah | 750 | Standby | Standby | Standby |
| Total Capacity: | | | 6,975 | | | |

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 2nd Quarter 2014. 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 <i>planned</i> locations) | Production capacity (pounds U ₃ O ₈ per year) | Operating status at end of | | |
|---|-----------------------------------|---|---|-------------------------------------|-------------------------------------|-------------------------------------|
| | | | | 2013 | 1st quarter 2014 | 2nd quarter 2014 |
| AUC LLC | Reno Creek | <i>Campbell, Wyoming</i> | - | Developing | Developing | Developing |
| Cameco | Crow Butte Operation | Dawes, Nebraska | 1,000,000 | 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 |
| Hydro Resources, Inc. | Crownpoint | <i>McKinley, New Mexico</i> | 1,000,000 | Partially Permitted And Licensed | Partially Permitted And Licensed | Partially Permitted And Licensed |
| Lost Creek ISR, LLC | Lost Creek Project | Sweetwater, Wyoming | 2,000,000 | Operating | Operating | Operating |
| Mestena Uranium LLC | Alta Mesa Project | Brooks, Texas | 1,500,000 | Producing | Producing | Producing |
| Power Resources, Inc. dba Cameco Resources | Smith Ranch-Highland Operation | Converse, Wyoming | 5,500,000 | Operating | Operating | Operating |
| Powertech Uranium Corp | Dewey Burdock Project | <i>Fall River and Custer, South Dakota</i> | 1,000,000 | Developing | Partially Permitted And Licensed | Partially Permitted And Licensed |
| South Texas Mining Venture | Hobson ISR Plant | Karnes, Texas | 1,000,000 | Operating | Operating | Operating |
| South Texas Mining Venture | La Palangana | Duval, Texas | 1,000,000 | Operating | Operating | Operating |
| Strata Energy Inc. | Ross | <i>Crook, Wyoming</i> | 3,000,000 | Partially Permitted And Licensed | Partially Permitted And Licensed | Permitted And Licensed |
| URI, Inc. | Kingsville Dome | Kleberg, Texas | 1,000,000 | Restoration | Restoration | Restoration |
| URI, Inc. | Rosita | Duval, Texas | 1,000,000 | 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 | | |
|-----------------------------------|---|--|---|----------------------------|------------------------|------------------------|
| | | | | 2013 | 1st quarter 2014 | 2nd quarter 2014 |
| URI, Inc. | Vasquez | Duval, Texas | 800,000 | Restoration | Restoration | Restoration |
| Uranerz Energy Corporation | Nichols Ranch ISR Project | Johnson and Campbell, Wyoming | 2,000,000 | Under Construction | Under Construction | Producing |
| Uranium Energy Corp. | Goliad ISR Uranium Project | <i>Goliad, Texas</i> | 1,000,000 | Permitted And Licensed | Permitted And Licensed | Permitted And Licensed |
| Uranium One Americas, Inc. | Jab and Antelope | <i>Sweetwater, Wyoming</i> | 2,000,000 | Developing | Developing | Developing |
| Uranium One Americas, Inc. | Moore Ranch | <i>Campbell, Wyoming</i> | 500,000 | Permitted And Licensed | Permitted And Licensed | Permitted And Licensed |
| Uranium One Americas, Inc. | Willow Creek Project (Christensen Ranch and Irigaray) | Campbell and Johnson, Wyoming | 1,300,000 | Producing | Producing | Operating |
| Total Production Capacity: | | | 27,600,000 | | | |

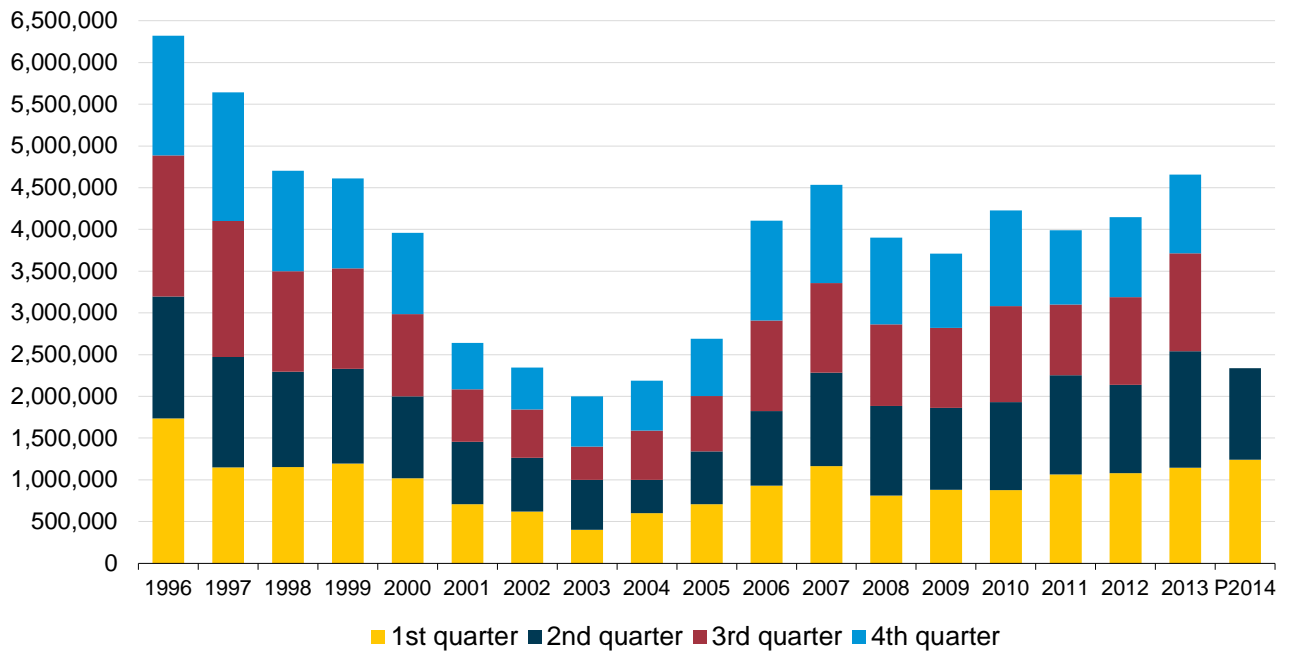
- = No data reported

Notes: Production capacity for 2nd Quarter 2014. 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."

Figure 1. Uranium concentrate production in the United States, 1996 – 2nd Quarter 2014

pounds U₃O₈



P = Preliminary data.

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