



*Independent Statistics & Analysis*  
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Administration

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# Domestic Uranium Production Report 3rd Quarter 2013

October 2013



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## Contacts

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This report was prepared by the staff of the Renewables and Uranium Statistics Team, Office of Electricity, Renewables, and Uranium Statistics. Questions about the preparation and content of this report may be directed to [InfoNuclearData@eia.gov](mailto:InfoNuclearData@eia.gov).

## Preface

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The U.S. Energy Information Administration (EIA) reports data spanning 1996 through third quarter 2013 on U.S. uranium production activities in this report, *3rd 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/>.

## Contents

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Contacts .....	ii
Preface .....	iii
3rd Quarter 2013 .....	1

## Tables

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Table 1. Total production of uranium concentrate in the United States, 1996 - 3rd Quarter 2013 .....	2
Table 2. Number of uranium mills and plants producing uranium concentrate in the United States .....	3
Table 3. U.S. uranium mills and heap leach facilities by owner, location, capacity, and operating status ..	4
Table 4. U.S. uranium in-situ-leach plants by owner, location, capacity, and operating status.....	5

## Figures

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Figure 1. Uranium concentrate production in the United States, 1996 - 3rd Quarter 2013.....	7
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## 3rd Quarter 2013

U.S. production of uranium concentrate in the third quarter 2013 was 1,171,278 pounds  $U_3O_8$ , down 16 percent from the previous quarter and up 12 percent from the third quarter 2012. Third quarter 2013 uranium production is at its highest level since 1999. During the third quarter 2013, U.S. uranium was produced at six 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. Smith Ranch-Highland Operation (Wyoming)
5. Willow Creek Project (Wyoming)

New during this quarter, Ur-Energy USA's Lost Creek Project in Wyoming became operational but did not process any uranium concentrate. In Utah, White Mesa milled alternate feed (other uranium-bearing materials, such as tailings or waste from a nuclear fuel facility) exclusively instead of also milling uranium ore from mines.

As of September 2013, U.S. uranium concentrate production totaled 3,712,541 pounds  $U_3O_8$ . This amount is at its highest level since 1997 and is 16 percent higher than the 3,187,711 pounds produced during the first nine months of 2012. Production from the above six uranium facilities has increased by 20 percent over the past 2 years, potentially fulfilling a larger share of the demand at U.S. civilian nuclear power reactors. Most of the U.S. uranium demand is largely met from foreign countries<sup>1</sup>. Total anticipated uranium market requirements at U.S. civilian nuclear power reactors are 50 million pounds for 2013.<sup>2</sup>

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<sup>1</sup> 2012 Uranium Marketing Annual Report, Table 3

<sup>2</sup> 2012 Uranium Marketing Annual Report, Table 12

**Table 1. Total production of uranium concentrate in the United States, 1996 - 3rd Quarter 2013**pounds U<sub>3</sub>O<sub>8</sub>

<b>Calendar- Year Quarter</b>	<b>1st Quarter</b>	<b>2nd Quarter</b>	<b>3rd Quarter</b>	<b>4th Quarter</b>	<b>Calendar- Year Total</b>
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	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

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 3rd Quarter 2013
Mills - conventional milling <sup>1</sup>	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	1	1	0
Mills - other operations <sup>2</sup>	2	3	2	2	2	1	1	0	0	1	1	1	0	1	0	0	0	1
In-Situ-Leach Plants <sup>3</sup>	5	6	6	4	3	3	2	2	3	3	5	5	6	3	4	5	5	5
Byproduct Recovery Plants <sup>4</sup>	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>9</b>	<b>11</b>	<b>9</b>	<b>7</b>	<b>6</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>6</b>	<b>6</b>	<b>7</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>6</b>	<b>6</b>

<sup>1</sup> Milling uranium-bearing ore.

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

<sup>3</sup> Not including in-situ-leach plants that only produced uranium concentrate from restoration.

<sup>4</sup> 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 <sup>1</sup> 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
EFR White Mesa LLC	White Mesa Mill	San Juan, Utah	2,000	Operating Partially Permitted And Licensed	Operating Partially Permitted And Licensed	Operating Partially Permitted And Licensed	Operating-Processing Alternate Feed
Energy Fuels Resources Corporation	Piñon Ridge Mill	Montrose, Colorado	500	-	Undeveloped	Undeveloped	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	Standby
Roca Honda Resources LLC	Pena Ranch	McKinley, New Mexico	2,000	-	Developing	Developing	Undeveloped
Strathmore Resources (US) Ltd.	Gas Hills	Fremont, Wyoming	2,200	-	Developing	Developing	Undeveloped
Uranium One Americas, Inc.	Shootaring Canyon Uranium Mill	Garfield, Utah	750	Standby	Standby	Standby	Standby
<b>Total Capacity:</b>			<b>11,175</b>				

- = No data reported.

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

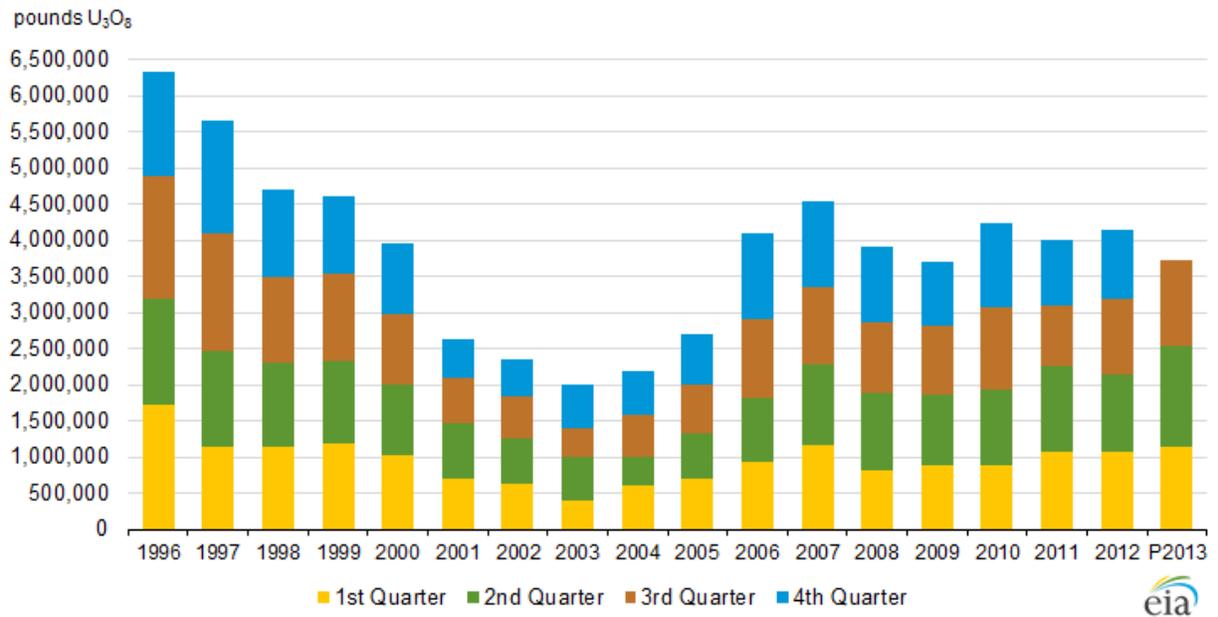
Table 4. U.S. uranium in-situ-leach plants by owner, location, capacity, and operating status (cont.)

In-Situ-Leach Plant Owner	In-Situ-Leach Plant Name	County, State (existing and planned locations)	Production Capacity (pounds U <sub>3</sub> O <sub>8</sub> per year)	Operating Status at End of			
				2012	1st Quarter 2013	2nd Quarter 2013	3rd Quarter 2013
Uranerz Energy Corporation	Nichols Ranch ISR Project	Johnson and Campbell, Wyoming	2,000,000	Under Construction	Under Construction	Under Construction	Under Construction
Uranium Energy Corp.	Goliad ISR Uranium Project	<i>Goliad, Texas</i>	1,000,000	Permitted And Licensed	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	Developing
Uranium One Americas, Inc.	Moore Ranch	<i>Campbell, Wyoming</i>	500,000	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
<b>Total Production Capacity:</b>			<b>27,600,000</b>				

Notes: Production capacity for 3rd 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. Lost Creek Project was operational but did not produce uranium concentrate during the third quarter 2013.

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 - 3rd Quarter 2013



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

