



*Independent Statistics & Analysis*  
U.S. Energy Information  
Administration

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# 4th Quarter 2011 Domestic Uranium Production Report

February 2012



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## Contacts

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## Preface

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The U.S. Energy Information Administration (EIA) reports data spanning 1996 through fourth quarter 2011 on U.S. uranium production activities in this report, *4th Quarter 2011 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).”

Prior editions of this report may be found on the EIA website at <http://www.eia.gov/nuclear/reports.cfm>.

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 ..... iii

Preface ..... iv

Tables ..... vi

Figures ..... vi

4<sup>th</sup> Quarter 2011 Domestic Uranium Production Report..... 1

    4th Quarter 2011 ..... 1

    Preliminary 2011 total ..... 1

## Tables

---

Table 1. Total production of uranium concentrate in the United States, 1996 - 4th Quarter 2011.....	2
Table 2. Number of uranium mills and plants producing uranium concentrate in the United States .....	3
Table 3. U.S. uranium mills by owner, capacity, and operating status.....	4
Table 4. Uranium in-situ-leach plants by owner, capacity, and operating status .....	5

## Figures

---

Figure 1. Uranium concentrate production in the United States, 1996 - 4th Quarter 2011 .....	6
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# 4th Quarter 2011 Domestic Uranium Production Report

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## 4th Quarter 2011

U.S. production of uranium in the fourth quarter 2011 was 892,058 pounds  $U_3O_8$ , up 5 percent from the previous quarter and down 22 percent from the fourth quarter 2010.

During the fourth quarter 2011, U.S. uranium was produced at six U.S. uranium facilities.

- U.S. Uranium Mill in Production
  1. White Mesa Mill
- U.S. Uranium In-Situ-Leach Plants in Production
  1. Alta Mesa Project
  2. Crow Butte Operation
  3. Hobson ISR Plant / La Palangana
  4. Smith Ranch-Highland Operation
  5. Willow Creek Project (Christensen Ranch and Irigaray)

## Preliminary 2011 total

U.S. uranium concentrate production totaled 3,990,812 pounds  $U_3O_8$  in 2011. This amount is 6 percent lower than the 4,228,192 pounds produced in 2010.

**Table 1. Total production of uranium concentrate in the United States, 1996 - 4th Quarter 2011**

Calendar-Year					Calendar-Year
Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	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
P2011	1,063,047	1,189,083	846,624	892,058	3,990,812

P = Preliminary data.

E = Estimated data.

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																4th
	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	Quarter 2011
Mills - conventional milling <sup>1</sup>	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	1
Mills - other operations <sup>2</sup>	2	3	2	2	2	1	1	0	0	1	1	1	0	1	0	0
In-Situ-Leach Plants <sup>3</sup>	5	6	6	4	3	3	2	2	3	3	5	5	6	3	4	5
Byproduct Recovery Plants <sup>4</sup>	2	2	1	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>

<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 by owner, capacity, and operating status**

Mill Owner	Mill Name	Milling Capacity (short tons of ore per day)	Operating Status at End of				
			2010	1st Quarter 2011	2nd Quarter 2011	3rd Quarter 2011	4th Quarter 2011
Cotter Corporation	Canon City Mill	400	Standby	Standby	Standby	Standby	Reclamation
Denison White Mesa LLC	White Mesa Mill	2,000	Operating	Operating	Operating	Operating-Processing Alternate Feed	Operating
Energy Fuels Resources Corp.	Piñon Ridge Mill	500	Developing	Developing	Permitted And Licensed	Permitted And Licensed	Permitted And Licensed
Kennecott Uranium Company/Wyoming Coal Resource Company	Sweetwater Uranium Project	3,000	Standby	Standby	Standby	Standby	Standby
Uranium One Americas, Inc.	Shootaring Canyon Uranium Mill	750	Standby	Standby	Standby	Standby	Standby
<b>Total Milling Capacity:</b>		<b>6,650</b>					

Notes: Milling capacity for 4<sup>th</sup> Quarter 2011. 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. Uranium in-situ-leach plants by owner, capacity, and operating status**

In-Situ-Leach Plant Owner	In-Situ-Leach Plant Name	Production Capacity (pounds U <sub>3</sub> O <sub>8</sub> per year)	Operating Status at End of				
			2010	1st Quarter 2011	2nd Quarter 2011	3rd Quarter 2011	4th Quarter 2011
Cameco Corporation	Crow Butte Operation	1,000,000	Operating	Operating	Operating	Operating	Operating
Hydro Resources, Inc.	Church Rock	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	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	2,000,000	Developing	Developing	Developing	Partially Permitted And Licensed	Partially Permitted And Licensed
Mestena Uranium LLC	Alta Mesa Project	1,000,000	Producing	Producing	Producing	Producing	Producing
Power Resources, Inc. dba Cameco Resources	Smith Ranch-Highland Operation	5,500,000	Operating	Operating	Operating	Operating	Operating
Powertech Uranium Corp	Centennial Project	-	Undeveloped	Undeveloped	Undeveloped	Undeveloped	Undeveloped
Powertech Uranium Corp	Dewey Burdock Project	-	Undeveloped	Undeveloped	Undeveloped	Undeveloped	Undeveloped
South Texas Mining Venture	Hobson ISR Plant	1,000,000	Operational	Operating	Operating	Operating	Operating
South Texas Mining Venture	La Palangana	1,000,000	Operating	Operating	Operating	Operating	Operating
Strata Energy Inc.	Ross	-	-	-	-	Developing	Developing
URI, Inc.	Kingsville Dome	1,000,000	Standby	Standby	Standby	Standby	Standby
URI, Inc.	Rosita	1,000,000	Standby	Standby	Standby	Standby	Standby
URI, Inc.	Vasquez	800,000	Restoration	Restoration	Restoration	Restoration	Restoration
Uranerz Energy Corporation	Nichols Ranch ISR Project	2,000,000	Partially Permitted And Licensed	Partially Permitted And Licensed	Partially Permitted And Licensed	Under Construction	Under Construction
Uranium Energy Corp.	Goliad ISR Uranium Project	-	Partially Permitted And Licensed	Partially Permitted And Licensed	Partially Permitted And Licensed	Partially Permitted And Licensed	Partially Permitted And Licensed
Uranium One Americas, Inc.	Jab and Antelope	2,000,000	Developing	Developing	Developing	Developing	Developing
Uranium One Americas, Inc.	Moore Ranch	500,000	Permitted And Licensed	Permitted And Licensed	Permitted And Licensed	Permitted And Licensed	Permitted And Licensed
Uranium One USA, Inc.	Texas Operations	-	Reclamation	Reclaimed	Reclaimed	Reclaimed	Reclaimed
Uranium One USA, Inc.	Willow Creek Project (Christensen Ranch and Irigaray)	1,300,000	Operational	Operating	Producing	Operating	Producing
<b>Total Production Capacity:</b>		<b>22,100,000</b>					

- = No data reported.

Notes: Production capacity for 4th Quarter 2011. 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 - 4th Quarter 2011**

