Domestic Uranium Production Report
Second-Quarter 2020

August 2020
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.
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**Introduction**

In this report, the U.S. Energy Information Administration (EIA) reports U.S. uranium production from 1996 through the second quarter of 2020. 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](https://www.eia.gov/).

Definitions for terms used in this report are available in EIA's [Energy Glossary](https://www.eia.gov/).
Second-quarter 2020

EIA could not publicly release data for U.S. production of uranium concentrate (U3O8) in the second quarter of 2020. 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 second quarter of 2020, five U.S. uranium facilities produced uranium, one more than in the first quarter of 2020.

U.S. uranium mill in production (state)
- White Mesa Mill (Utah)

U.S. uranium in-situ leach plants in production (state)
- Lost Creek Project (Wyoming)
- Nichols Ranch In-Situ Recovery (ISR) Project (Wyoming)
- Ross Central Processing Plant (CPP) (Wyoming)
- Smith Ranch-Highland Operation (Wyoming)
### Table 1. Total production of uranium concentrate in the United States, 1996 to second-quarter 2020

<table>
<thead>
<tr>
<th>Calendar-year quarter</th>
<th>First quarter</th>
<th>Second quarter</th>
<th>Third quarter</th>
<th>Fourth quarter</th>
<th>Calendar-year total</th>
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<td>1996</td>
<td>1,734,427</td>
<td>1,460,058</td>
<td>1,691,796</td>
<td>1,434,425</td>
<td>6,320,706</td>
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<td>1997</td>
<td>1,149,050</td>
<td>1,321,079</td>
<td>1,631,384</td>
<td>1,541,052</td>
<td>5,642,565</td>
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<td>1,151,587</td>
<td>1,143,942</td>
<td>1,203,042</td>
<td>1,206,003</td>
<td>4,704,574</td>
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<tr>
<td>1999</td>
<td>1,196,225</td>
<td>1,321,079</td>
<td>1,631,384</td>
<td>1,541,052</td>
<td>5,642,565</td>
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<td>2000</td>
<td>709,177</td>
<td>748,298</td>
<td>628,720</td>
<td>553,060</td>
<td>2,639,256</td>
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<td>2001</td>
<td>620,952</td>
<td>643,432</td>
<td>579,723</td>
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<td>E2,344,107</td>
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<td>2002</td>
<td>E400,000</td>
<td>E600,000</td>
<td>E400,000</td>
<td>E600,000</td>
<td>E2,000,000</td>
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<td>2003</td>
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<td>E600,000</td>
<td>E88,738</td>
<td>E600,000</td>
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<td>2004</td>
<td>709,600</td>
<td>630,053</td>
<td>663,068</td>
<td>686,456</td>
<td>2,689,178</td>
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<td>2005</td>
<td>931,065</td>
<td>894,268</td>
<td>1,083,808</td>
<td>1,196,485</td>
<td>4,105,626</td>
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<td>2006</td>
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<td>1,119,536</td>
<td>1,075,460</td>
<td>1,175,845</td>
<td>4,533,578</td>
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<td>2007</td>
<td>810,189</td>
<td>1,073,315</td>
<td>980,933</td>
<td>1,037,946</td>
<td>3,902,383</td>
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<td>2008</td>
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<td>982,760</td>
<td>956,657</td>
<td>888,905</td>
<td>3,708,358</td>
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<td>2009</td>
<td>876,084</td>
<td>1,055,102</td>
<td>1,150,725</td>
<td>1,146,281</td>
<td>4,228,192</td>
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<td>2010</td>
<td>1,063,047</td>
<td>1,189,083</td>
<td>846,624</td>
<td>892,013</td>
<td>3,990,767</td>
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<td>2011</td>
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<td>1,061,289</td>
<td>1,048,018</td>
<td>957,936</td>
<td>4,145,647</td>
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<td>2012</td>
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<td>1,394,232</td>
<td>1,171,278</td>
<td>946,301</td>
<td>4,658,842</td>
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<td>2013</td>
<td>1,242,179</td>
<td>1,095,011</td>
<td>1,468,608</td>
<td>1,085,534</td>
<td>4,891,332</td>
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<td>1,154,408</td>
<td>789,980</td>
<td>774,541</td>
<td>624,278</td>
<td>3,343,207</td>
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<td>2015</td>
<td>626,522</td>
<td>745,306</td>
<td>818,783</td>
<td>725,947</td>
<td>2,916,558</td>
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<td>2016</td>
<td>450,215</td>
<td>726,375</td>
<td>643,212</td>
<td>622,987</td>
<td>2,442,789</td>
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<td>2017</td>
<td>226,780</td>
<td>365,421</td>
<td>527,064</td>
<td>328,680</td>
<td>1,447,945</td>
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<td>2018</td>
<td>58,481</td>
<td>44,569</td>
<td>32,211</td>
<td>38,614</td>
<td>173,875</td>
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<tr>
<td>2019</td>
<td>8,098</td>
<td>W</td>
<td>-</td>
<td>-</td>
<td>W</td>
</tr>
</tbody>
</table>

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. EIA withheld second-quarter 2020 production data due to confidentiality concerns. Totals may not equal the sum of components because of independent rounding.

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Mills - conventional milling ¹</th>
<th>Mills - other operations ²</th>
<th>In-situ leach plants ³</th>
<th>Byproduct recovery plants ⁴</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1996</td>
<td>0</td>
<td>2</td>
<td>5</td>
<td>2</td>
<td>9</td>
</tr>
<tr>
<td>1997</td>
<td>0</td>
<td>3</td>
<td>6</td>
<td>2</td>
<td>11</td>
</tr>
<tr>
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<td>0</td>
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<td>0</td>
<td>7</td>
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<td>5</td>
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<td>Second quarter of 2020</td>
<td>0</td>
<td>1</td>
<td>4</td>
<td>0</td>
<td>5</td>
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</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Owner</th>
<th>Mill and heap leach facility name</th>
<th>County, state (existing and planned locations)</th>
<th>Capacity (short tons of ore per day)</th>
<th>Operating status at end of 2019</th>
<th>First-quarter 2020</th>
<th>Second-quarter 2020</th>
<th>Third-quarter 2020</th>
<th>Fourth-quarter 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anfield Resources Inc.</td>
<td>Shootaring Canyon Uranium Mill</td>
<td>Garfield, Utah</td>
<td>750</td>
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<td>standby</td>
<td>standby</td>
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<tr>
<td>EFR White Mesa LLC</td>
<td>White Mesa Mill</td>
<td>San Juan, Utah</td>
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<td>standby</td>
<td>standby</td>
<td>operating-processing alternate feed</td>
<td></td>
<td></td>
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<tr>
<td>Energy Fuels Wyoming Inc</td>
<td>Sheep Mountain</td>
<td>Fremont, Wyoming</td>
<td>725</td>
<td>undeveloped</td>
<td>undeveloped</td>
<td>undeveloped</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kennecott Uranium Company/Wyoming Coal Resource Company</td>
<td>Sweetwater Uranium Project</td>
<td>Sweetwater, Wyoming</td>
<td>3,000</td>
<td>standby</td>
<td>standby</td>
<td>standby</td>
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<tr>
<td><strong>Total capacity</strong></td>
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<td><strong>6,475</strong></td>
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</table>

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 second-quarter of 2020. An operating status of operating indicates the mill usually was producing uranium concentrate at the end of the period.

<table>
<thead>
<tr>
<th>In-situ leach plant owner</th>
<th>In-situ leach plant name</th>
<th>County, state (existing and planned locations)</th>
<th>Production capacity (pounds U3O8 per year)</th>
<th>Operating status at end of 2019</th>
<th>First-quarter 2020</th>
<th>Second-quarter 2020</th>
<th>Third-quarter 2020</th>
<th>Fourth-quarter 2020</th>
</tr>
</thead>
<tbody>
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<td>AUC LLC</td>
<td>Reno Creek</td>
<td>Campbell, Wyoming</td>
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<td>partially permitted and licensed</td>
<td>partially permitted and licensed</td>
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<td>Azarga Uranium Corp</td>
<td>Dewey Burdock Project</td>
<td>Fall River and Custer, South Dakota</td>
<td>1,000,000</td>
<td>partially permitted and licensed</td>
<td>partially permitted and licensed</td>
<td>partially permitted and licensed</td>
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<td>Cameco</td>
<td>Crow Butte Operation</td>
<td>Dawes, Nebraska</td>
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<td>standby</td>
<td>standby</td>
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<td>operating</td>
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<td>standby</td>
<td>standby</td>
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<td>Smith Ranch-Highland Operation</td>
<td>Converse, Wyoming</td>
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<td>operating</td>
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<td>standby</td>
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<td>standby</td>
<td>standby</td>
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<td>Strata Energy Inc</td>
<td>Ross CPP</td>
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<td>standby</td>
<td>standby</td>
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<td>In-situ leach plant owner</td>
<td>In-situ leach plant name</td>
<td>County, state (existing and planned locations)</td>
<td>Production capacity (pounds U3O8 per year)</td>
<td>Operating status at end of 2019</td>
<td>First-quarter 2020</td>
<td>Second-quarter 2020</td>
<td>Third-quarter 2020</td>
<td>Fourth-quarter 2020</td>
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<td>Uranerz Energy Corporation (An Energy Fuels company)</td>
<td>Nichols Ranch ISR Project</td>
<td>Johnson and Campbell, Wyoming</td>
<td>2,000,000</td>
<td>operating</td>
<td>operating</td>
<td>operating</td>
<td>operating</td>
<td>operating</td>
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<td>Uranium Energy Corp.</td>
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<td>Goliad, Texas</td>
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<td>partially permitted and licensed</td>
<td>partially permitted and licensed</td>
<td>partially permitted and licensed</td>
<td>partially permitted and licensed</td>
<td>partially permitted and licensed</td>
</tr>
<tr>
<td>Uranium One Americas, Inc.</td>
<td>Jab and Antelope</td>
<td>Sweetwater, Wyoming</td>
<td>2,000,000</td>
<td>developing</td>
<td>developing</td>
<td>developing</td>
<td>developing</td>
<td>developing</td>
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<td>Uranium One Americas, Inc.</td>
<td>Moore Ranch</td>
<td>Campbell, Wyoming</td>
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<td>partially permitted and licensed</td>
<td>partially permitted and licensed</td>
<td>partially permitted and licensed</td>
<td>partially permitted and licensed</td>
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<td>Uranium One USA, Inc.</td>
<td>Willow Creek Project (Christensen Ranch and Irigaray)</td>
<td>Campbell and Johnson, Wyoming</td>
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<td>standby</td>
<td>standby</td>
<td>standby</td>
<td>standby</td>
<td>standby</td>
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<tr>
<td><strong>Total production capacity</strong></td>
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<td><strong>24,175,000</strong></td>
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</table>

Notes: Production capacity for the second quarter of 2020. 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. Uranerz 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 second-quarter 2020 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)