

# Mineral Industry Surveys

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## TUNGSTEN IN JUNE 2016

U.S. net production of intermediate tungsten products, including metal powder and tungsten carbide powder, was withheld to avoid disclosing company proprietary data.

The amount of tungsten contained in U.S. imports of selected materials in January through June 2016 was 13% less than the revised quantity imported during the same period in 2015 (table 2). The amount of tungsten contained in U.S. exports of selected materials in January through June 2016 was 28% less than the revised quantity exported during the same period in 2015 (table 3).

### Prices

Prices for June 2016 were sourced from Platts Metals Week. The following prices, in dollars per metric ton unit, were

converted from short-ton-unit prices and rounded to the nearest dollar.

Ammonium paratungstate, U.S. free market:

Low—\$193/metric ton unit  $\text{WO}_3$  (\$175/short ton unit  $\text{WO}_3$ )

High—\$204/metric ton unit  $\text{WO}_3$  (\$185/short ton unit  $\text{WO}_3$ )

Concentrates:

Low—\$141/metric ton unit  $\text{WO}_3$  (\$128/short ton unit  $\text{WO}_3$ )

High—\$143/metric ton unit  $\text{WO}_3$  (\$130/short ton unit  $\text{WO}_3$ )

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TABLE 1  
U.S. SALIENT TUNGSTEN STATISTICS<sup>1</sup>

(Metric tons, tungsten content)

Period	Concentrate				Intermediate products			
	Reported consumption	Imports for consumption	Stocks, end of period		Net production <sup>p, 4</sup>	Stocks, end of period		
			Industry <sup>2</sup>	U.S. Government <sup>3</sup>		Industry Producer <sup>p, 5</sup>	U.S. Government <sup>3</sup>	
<b>2015:</b>								
June	W	337	W	11,600	W	616	125	
July	W	354	W	11,600	W	571	125	
August	W	219	W	11,600	W	578	125	
September	W	344	W	11,600	W	567	125	
October	W	382	W	11,600	W	550	125	
November	W	352	W	11,600	W	552	125	
December	W	308	W	11,600	W	493 <sup>r</sup>	125	
January–December	W	3,970	W	11,600	W	493 <sup>r</sup>	125	
<b>2016:</b>								
January	W	393	W	11,600	W	496	125	
February	W	127	W	11,600	W	538	125	
March	W	384	W	11,600	W	615	125	
April	W	372	W	11,600	W	592	125	
May	W	252	W	11,600	W	490 <sup>r</sup>	125	
June	W	256	W	11,600	W	537	125	
January–June	W	1,780	W	11,600	W	537	125	

<sup>p</sup>Preliminary. <sup>r</sup>Revised. W Withheld to avoid disclosing company proprietary data.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Reported by consumers.

<sup>3</sup>Data from the Defense Logistics Agency Strategic Materials.

<sup>4</sup>Net production of tungsten metal powder and tungsten carbide powder.

<sup>5</sup>Data for tungsten metal powder and tungsten carbide powder reported by producers. Includes estimates.

TABLE 2  
U.S. IMPORTS FOR CONSUMPTION OF TUNGSTEN, BY COUNTRY<sup>1</sup>

(Metric tons, tungsten content)

Period and country of origin	Ores and concentrates	Ammonium tungstates	Ferrotungsten	Metal powder	Tungsten carbide powder	Other <sup>2</sup>	Total	Total, year to date
2015	3,970	1,270	269	1,110	659	1,280	8,560 <sup>r</sup>	XX
2016:								
April	372	75	32	93	57	113	743	2,780
May	252	80	8	80	125	113	658	3,440
June:								
Australia	9	--	--	--	--	(3)	9	121
Austria	--	--	--	--	12	2	14	181
Bolivia	53	--	--	--	--	--	53	539
Brazil	14	--	--	--	--	--	14	14
Canada	--	--	--	16	2	--	18	90
China	--	17	--	60	11	125	214	1,220
Czech Republic	--	--	--	--	--	1	1	24
Finland	--	--	--	3	--	--	3	23
France	--	--	--	--	(3)	(3)	(3)	5
Germany	--	15	--	1	1	4	21	259
India	--	--	--	--	--	1	1	4
Ireland	--	--	--	--	--	--	--	5
Israel	--	--	--	12	--	--	12	48
Japan	--	--	--	1	(3)	10	11	63
Korea, Republic of	--	--	--	3	--	(3)	3	117
Mexico	--	--	--	--	--	(3)	(3)	4
Mongolia	48	--	--	--	--	--	48	157
Peru	--	--	--	--	--	--	--	11
Portugal	47	--	--	--	--	--	47	261
Russia	9	--	4	--	--	--	13	130
Spain	42	--	--	--	--	--	42	389
Taiwan	--	--	--	(3)	--	2	2	10
United Kingdom	33	--	--	--	--	1	35	166
Vietnam	--	--	--	--	--	--	--	151
Other	--	--	--	--	--	1	1	8
Total	256	32	4	97	26	148	563	4,000
January–June	1,780	422	161	547	353	735	4,000	XX

<sup>r</sup>Revised. XX Not applicable. -- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Includes other unwrought tungsten, wrought tungsten, calcium and other tungstates, tungsten oxides, tungsten chlorides, other tungsten compounds, ash and residues containing mainly tungsten, and other mixtures of inorganic compounds containing tungsten. Tungsten content estimated in part.

<sup>3</sup>Less than ½ unit.

Note: Imports of waste and scrap in June 2016 totaled 159 metric tons, tungsten content, to give a January–June total of 699 metric tons, tungsten content.

Source: U.S. Census Bureau.

TABLE 3  
U.S. EXPORTS OF TUNGSTEN, BY COUNTRY<sup>1</sup>

(Metric tons, tungsten content)

Period and country of destination	Ores and concentrates <sup>2</sup>	Ammonium tungstates	Metal powder <sup>2</sup>	Tungsten carbide powder	Other <sup>3</sup>	Total	Total, year to date
2015	398	310	312	901 <sup>r</sup>	1,200 <sup>r</sup>	3,120 <sup>r</sup>	XX
2016:							
April	9	4	48	103	99	263	794
May	(4)	14	32	72	68	186	981
June:							
Australia	(4)	--	(4)	2	(4)	2	15
Austria	--	--	--	--	20	20	39
Brazil	--	--	(4)	(4)	(4)	1	8
Canada	--	--	5	11	41	57	290
Chile	--	--	1	(4)	--	1	4
China	--	--	3	(4)	1	4	26
Costa Rica	--	--	--	--	(4)	(4)	5
Czech Republic	--	--	--	2	--	2	39
France	--	--	--	1	(4)	1	4
Germany	--	--	6	10	3	18	211
India	--	--	17	1	(4)	18	66
Indonesia	--	--	--	--	--	--	4
Ireland	--	--	(4)	(4)	(4)	1	15
Italy	--	--	--	(4)	1	1	5
Japan	--	--	3	3	4	10	76
Korea, Republic of	--	--	(4)	2	1	3	13
Luxembourg	--	--	--	--	--	--	10
Malaysia	--	--	--	--	(4)	(4)	4
Mexico	(4)	(4)	1	(4)	12	13	88
Netherlands	34	--	--	--	18	52	56
Peru	--	--	--	(4)	--	(4)	5
Philippines	--	--	--	(4)	--	(4)	4
Saudi Arabia	--	--	--	(4)	--	(4)	4
Singapore	--	--	(4)	1	(4)	1	42
South Africa	--	--	1	--	(4)	1	4
Spain	--	--	(4)	--	1	1	23
Taiwan	--	--	(4)	10	1	11	94
Thailand	--	--	--	--	2	2	11
United Arab Emirates	--	--	--	(4)	1	1	5
United Kingdom	--	(4)	(4)	1	(4)	1	20
Vietnam	11	--	--	--	18	28	29
Other	--	--	--	1	3	4	17
Total	45	(4)	38	45	126	254	1,230
January–June	55	94	170	339	576	1,230	XX

<sup>r</sup>Revised. XX Not applicable. -- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Tungsten content estimated from reported gross weight.

<sup>3</sup>Includes unwrought tungsten, including bars and rods obtained simply by sintering, wrought tungsten, ferrotungsten, and other tungstates. Tungsten content estimated in part.

<sup>4</sup>Less than ½ unit.

Note: Estimated exports of waste and scrap in June 2016 totaled 15 metric tons, tungsten content, to give a January–June total of 176 metric tons, tungsten content.

Source: U.S. Census Bureau.