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Advance Report on Durable Goods Manufacturers' Shipments, Inventories and Orders November 2016

New Orders

New orders for manufactured durable goods in November decreased \$11.0 billion or 4.6 percent to \$228.2 billion, the U.S. Census Bureau announced today. This decrease, down following four consecutive monthly increases, followed a 4.8 percent October increase. Excluding transportation, new orders increased 0.5 percent. Excluding defense, new orders decreased 6.6 percent.

Transportation equipment, also down following four consecutive monthly increases, drove the decrease, \$11.7 billion or 13.2 percent to \$76.6 billion.

Shipments

Shipments of manufactured durable goods in November, up two of the last three months, increased \$0.2 billion or 0.1 percent to \$234.2 billion. This followed a 0.1 percent October decrease.

Primary metals, also up two of the last three months, drove the increase, \$0.3 billion or 1.7 percent to \$18.0 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in November, down five of the last six months, decreased \$2.3 billion or 0.2 percent to \$1,126.7 billion. This followed a 0.8 percent October increase.

Transportation equipment, also down five of the last six months, drove the decrease, \$3.6 billion or 0.5 percent to \$769.8 billion.

Inventories

Inventories of manufactured durable goods in November, up four of the last five months, increased \$0.6 billion or 0.1 percent to \$384.0 billion. This followed a virtually unchanged October decrease.

Transportation equipment, also up four of the last five months, led the increase, \$0.3 billion or 0.2 percent to \$124.1 billion.

Capital Goods

Nondefense new orders for capital goods in November decreased \$15.6 billion or 19.5 percent to \$64.4 billion. Shipments decreased \$0.9 billion or 1.2 percent to \$70.3 billion. Unfilled orders decreased \$5.9 billion or 0.8 percent to \$697.1 billion. Inventories increased \$0.5 billion or 0.3 percent to \$170.1 billion.

Defense new orders for capital goods in November increased \$3.2 billion or 29.1 percent to \$14.3 billion. Shipments increased \$0.3 billion or 2.9 percent to \$11.0 billion. Unfilled orders increased \$3.3 billion or 2.4 percent to \$142.2 billion. Inventories decreased \$0.2 billion or 1.1 percent to \$20.9 billion.

Revised October Data

Revised seasonally adjusted October figures for all manufacturing industries were: new orders, \$469.9 billion (revised from \$469.4 billion); shipments, \$464.8 billion (revised from \$464.7 billion); unfilled orders, \$1,129.0 billion (revised from \$1,128.5 billion) and total inventories, \$621.3 billion (revised from \$621.4 billion).

Figures in text are adjusted for seasonality, but not for inflation. Figures on new and unfilled orders exclude data for semiconductor manufacturing. For data, call (301) 763-4673 or go to <<http://www.census.gov/m3>>. Revised and more detailed estimates, plus nondurable goods data, will be published on January 6, 2017, at 10:00 a.m. EST. The Advance Report on durable goods for December is scheduled for release on January 27, 2017 at 8:30 a.m. EST. See back page for survey description. To receive the latest updates on the Nation's key economic indicators, download the America's Economy app for Apple and Android smartphones and tablets. "Virtually unchanged" indicates that the change is less than 0.05 percent for a percent increase or decrease.

Table 1. Durable Goods Manufacturers' Shipments and New Orders ¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Item	Seasonally Adjusted						Not Seasonally Adjusted					
	Monthly			Percent Change			Monthly			Year to Date		
	Nov 2016 ²	Oct 2016 ¹	Sep 2016	Oct - Nov ²	Sep - Oct ¹	Aug - Sep	Nov 2016 ²	Oct 2016 ¹	Nov 2015	2016	2015	Percent Change 2016/2015
DURABLE GOODS												
Total:												
Shipments.....	234,222	234,062	234,367	0.1	-0.1	0.8	227,319	235,823	225,520	2,570,253	2,589,762	-0.8
New Orders ⁴	228,171	239,170	228,204	-4.6	4.8	0.3	221,684	238,068	222,905	2,508,756	2,516,670	-0.3
Excluding transportation:												
Shipments.....	154,017	153,423	152,510	0.4	0.6	0.1	148,446	154,661	144,978	1,679,333	1,699,121	-1.2
New Orders ⁴	151,524	150,834	149,526	0.5	0.9	0.1	143,465	150,286	138,944	1,649,012	1,659,077	-0.6
Excluding defense:												
Shipments.....	221,101	221,494	221,878	-0.2	-0.2	0.9	213,698	223,661	212,661	2,434,747	2,456,371	-0.9
New Orders ⁴	211,734	226,696	215,784	-6.6	5.1	1.3	206,011	226,981	207,729	2,372,211	2,394,818	-0.9
Manufacturing with unfilled orders:												
Shipments.....	166,238	166,297	167,154	0.0	-0.5	1.1	160,902	165,751	159,431	1,819,687	1,832,222	-0.7
New Orders.....	163,987	174,999	164,356	-6.3	6.5	0.5	159,596	172,351	160,324	1,794,947	1,794,653	0.0
Primary metals:												
Shipments.....	18,034	17,734	17,759	1.7	-0.1	0.0	17,166	17,818	16,810	197,528	214,326	-7.8
New Orders.....	18,500	18,090	17,966	2.3	0.7	0.8	17,970	17,835	15,548	199,348	211,478	-5.7
Fabricated metal products:												
Shipments.....	30,586	30,449	30,082	0.4	1.2	-0.3	29,450	31,153	27,869	333,144	327,785	1.6
New Orders.....	30,688	30,960	30,078	-0.9	2.9	-0.5	28,571	30,917	27,138	334,475	325,527	2.7
Machinery:												
Shipments.....	30,114	29,968	30,070	0.5	-0.3	0.6	28,071	29,668	28,831	332,416	353,873	-6.1
New Orders.....	30,146	29,759	29,883	1.3	-0.4	0.7	28,083	29,570	28,749	328,913	347,964	-5.5
Computers and electronic products⁴:												
Shipments.....	27,544	27,501	27,262	0.2	0.9	-0.6	27,264	27,332	26,086	293,667	283,257	3.7
New Orders.....	24,193	24,095	24,075	0.4	0.1	-1.4	22,267	23,161	22,251	261,266	254,207	2.8
Computers and related products:												
Shipments.....	1,744	1,811	1,654	-3.7	9.5	-10.5	1,488	1,571	1,757	19,126	22,683	-15.7
New Orders.....	1,765	1,813	1,677	-2.6	8.1	-9.4	1,509	1,573	1,836	19,123	22,877	-16.4
Communications equipment:												
Shipments.....	3,379	3,344	3,532	1.0	-5.3	1.5	3,119	3,063	3,189	36,740	36,807	-0.2
New Orders.....	3,727	3,492	3,537	6.7	-1.3	-2.5	3,095	3,285	3,213	39,108	40,416	-3.2
Electrical equipment, appliances, and components:												
Shipments.....	9,600	9,656	9,567	-0.6	0.9	-0.3	9,518	9,787	9,584	105,063	111,940	-6.1
New Orders.....	9,845	9,786	9,622	0.6	1.7	0.0	9,564	9,803	9,438	106,373	111,415	-4.5
Transportation equipment:												
Shipments.....	80,205	80,639	81,857	-0.5	-1.5	2.0	78,873	81,162	80,542	890,920	890,641	0.0
New Orders.....	76,647	88,336	78,678	-13.2	12.3	0.7	78,219	87,782	83,961	859,744	857,593	0.3
Motor vehicles and parts:												
Shipments.....	55,400	55,337	55,698	0.1	-0.6	1.0	54,172	57,413	52,421	613,230	596,028	2.9
New Orders.....	55,374	54,950	55,549	0.8	-1.1	0.8	54,721	56,774	53,137	610,908	595,360	2.6
Nondefense aircraft and parts:												
Shipments.....	12,386	13,486	14,112	-8.2	-4.4	8.8	12,145	12,139	15,363	145,513	153,780	-5.4
New Orders.....	5,798	21,915	11,264	-73.5	94.6	30.6	8,586	20,299	15,811	117,117	137,293	-14.7
Defense aircraft and parts:												
Shipments.....	4,221	3,934	4,132	7.3	-4.8	-7.7	4,403	3,740	4,798	45,689	53,138	-14.0
New Orders.....	7,785	3,829	2,776	103.3	37.9	-47.1	7,806	3,637	7,834	49,436	52,018	-5.0
All other durable goods:												
Shipments.....	38,139	38,115	37,770	0.1	0.9	0.8	36,977	38,903	35,798	417,515	407,940	2.3
New Orders.....	38,152	38,144	37,902	0.0	0.6	0.8	37,010	39,000	35,820	418,637	408,486	2.5
Capital goods³:												
Shipments.....	81,308	81,846	82,302	-0.7	-0.6	2.0	78,707	79,439	82,566	892,154	934,387	-4.5
New Orders.....	78,644	91,013	81,131	-13.6	12.2	2.0	76,270	87,416	83,704	872,455	901,116	-3.2
Nondefense capital goods:												
Shipments.....	70,325	71,176	71,965	-1.2	-1.1	2.3	67,254	69,120	72,242	780,275	827,700	-5.7
New Orders.....	64,392	79,973	69,877	-19.5	14.4	3.9	63,074	78,248	70,995	758,220	805,709	-5.9
Excluding aircraft:												
Shipments.....	62,558	62,408	62,586	0.2	-0.3	0.5	59,674	61,317	61,478	687,475	723,559	-5.0
New Orders.....	63,360	62,807	62,710	0.9	0.2	-1.5	59,276	61,692	60,448	690,921	718,767	-3.9
Defense capital goods:												
Shipments.....	10,983	10,670	10,337	2.9	3.2	0.0	11,453	10,319	10,324	111,879	106,687	4.9
New Orders.....	14,252	11,040	11,254	29.1	-1.9	-8.1	13,196	9,168	12,709	114,235	95,407	19.7

¹ Revised data due to late receipts and concurrent seasonal adjustment.² Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.³ Based on advance sample. Estimates of manufacturers' shipments, inventories, and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations, see <http://www.census.gov/manufacturing/m3>.⁴ The Capital Goods Industries include Nondefense : small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies.

Defense Capital Goods include : small arms and ordnance, communications equipment, aircraft; missiles, space vehicles, and parts, ships and boats, and search and navigation equipment.

⁵ Estimates and percent changes of shipments and inventories for the semiconductor industry are included in computers and electronic products, and all other applicable aggregate totals. Estimates and percent changes for new orders and unfilled orders exclude semiconductor industry data.

Table 2. Durable Goods Manufacturers' Unfilled Orders and Total Inventories ¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Item	Seasonally Adjusted						Not Seasonally Adjusted			
	Monthly			Percent Change			Monthly			Percent Change 2016/ 2015
	Nov 2016 ²	Oct 2016 ¹	Sep 2016	Oct - Nov ²	Sep - Oct ¹	Aug - Sep	Nov 2016 ²	Oct 2016 ¹	Nov 2015	
<u>DURABLE GOODS</u>										
Total:										
Unfilled Orders ⁴	1,126,738	1,128,989	1,120,287	-0.2	0.8	-0.2	1,114,960	1,116,266	1,130,000	-1.3
Total Inventories.....	384,015	383,443	383,629	0.1	0.0	0.0	384,204	383,703	387,468	-0.8
Excluding transportation:										
Unfilled Orders ⁴	356,980	355,673	354,668	0.4	0.3	0.1	351,278	351,930	346,955	1.2
Total Inventories.....	259,921	259,653	259,994	0.1	-0.1	0.0	259,889	259,494	263,146	-1.2
Excluding defense:										
Unfilled Orders ⁴	949,203	954,770	945,974	-0.6	0.9	-0.3	940,704	944,062	958,411	-1.8
Total Inventories.....	358,459	357,630	358,135	0.2	-0.1	0.1	358,692	357,990	362,049	-0.9
Manufacturing with unfilled orders:										
Unfilled Orders.....	1,126,738	1,128,989	1,120,287	-0.2	0.8	-0.2	1,114,960	1,116,266	1,130,000	-1.3
Total Inventories.....	311,749	311,440	311,748	0.1	-0.1	0.1	311,857	311,698	315,723	-1.2
Primary metals:										
Unfilled Orders.....	33,517	33,051	32,695	1.4	1.1	0.6	32,433	31,629	30,267	7.2
Total Inventories.....	31,558	31,577	31,609	-0.1	-0.1	-0.3	31,454	31,600	33,683	-6.6
Fabricated metal products:										
Unfilled Orders.....	74,745	74,643	74,132	0.1	0.7	0.0	72,778	73,657	71,856	1.3
Total Inventories.....	48,840	48,887	48,939	-0.1	-0.1	0.1	48,415	48,579	48,904	-1.0
Machinery:										
Unfilled Orders.....	92,195	92,163	92,372	0.0	-0.2	-0.2	91,453	91,441	97,808	-6.5
Total Inventories.....	65,677	65,470	65,760	0.3	-0.4	0.2	66,200	65,482	67,675	-2.2
Computers and electronic products⁴:										
Unfilled Orders.....	129,931	129,482	129,294	0.3	0.1	0.1	128,547	129,215	122,842	4.6
Total Inventories.....	42,479	42,427	42,471	0.1	-0.1	-0.4	42,682	42,620	42,719	-0.1
Computers and related products:										
Unfilled Orders.....	2,444	2,423	2,421	0.9	0.1	1.0	2,444	2,423	2,474	-1.2
Total Inventories.....	3,626	3,560	3,648	1.9	-2.4	-1.4	3,747	3,600	3,641	2.9
Communications equipment:										
Unfilled Orders.....	35,546	35,198	35,050	1.0	0.4	0.0	35,130	35,154	32,612	7.7
Total Inventories.....	4,498	4,478	4,473	0.4	0.1	-1.7	4,630	4,512	5,045	-8.2
Electrical equipment, appliances, and components:										
Unfilled Orders.....	18,098	17,853	17,723	1.4	0.7	0.3	17,613	17,567	16,227	8.5
Total Inventories.....	16,223	16,257	16,362	-0.2	-0.6	0.9	16,116	16,284	16,420	-1.9
Transportation equipment:										
Unfilled Orders.....	769,758	773,316	765,619	-0.5	1.0	-0.4	763,682	764,336	783,045	-2.5
Total Inventories.....	124,094	123,790	123,635	0.2	0.1	0.0	124,315	124,209	124,322	0.0
Motor vehicles and parts:										
Unfilled Orders.....	21,390	21,416	21,803	-0.1	-1.8	-0.7	21,237	20,688	23,327	-9.0
Total Inventories.....	34,811	34,518	34,545	0.8	-0.1	-0.5	34,956	34,846	34,538	1.2
Nondefense Aircraft and parts:										
Unfilled Orders.....	585,707	592,295	583,866	-1.1	1.4	-0.5	582,240	585,799	599,412	-2.9
Total Inventories.....	62,919	62,622	62,765	0.5	-0.2	0.5	62,779	62,600	63,360	-0.9
Defense Aircraft and parts:										
Unfilled Orders.....	73,628	70,064	70,169	5.1	-0.1	-1.9	72,365	68,962	68,886	5.1
Total Inventories.....	11,140	11,219	11,090	-0.7	1.2	-1.7	11,131	11,205	11,351	-1.9
All other durable goods:										
Unfilled Orders.....	8,494	8,481	8,452	0.2	0.3	1.6	8,454	8,421	7,955	6.3
Total Inventories.....	55,144	55,035	54,853	0.2	0.3	0.2	55,022	54,929	53,745	2.4
Capital goods³:										
Unfilled Orders.....	839,284	841,948	832,781	-0.3	1.1	-0.1	831,177	833,614	849,339	-2.1
Total Inventories.....	190,932	190,708	190,952	0.1	-0.1	0.1	192,149	191,200	194,224	-1.1
Nondefense capital goods:										
Unfilled Orders.....	697,119	703,052	694,255	-0.8	1.3	-0.3	692,417	696,597	714,658	-3.1
Total Inventories.....	170,051	169,587	170,159	0.3	-0.3	0.2	171,303	170,165	173,703	-1.4
Excluding aircraft:										
Unfilled Orders.....	223,708	222,906	222,507	0.4	0.2	0.1	221,132	221,530	220,987	0.1
Total Inventories.....	118,349	118,195	118,551	0.1	-0.3	0.0	119,838	118,806	121,433	-1.3
Defense capital goods:										
Unfilled Orders.....	142,165	138,896	138,526	2.4	0.3	0.7	138,760	137,017	134,681	3.0
Total Inventories.....	20,881	21,121	20,793	-1.1	1.6	-0.1	20,846	21,035	20,521	1.6

See footnotes at end of Table 1

Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey, which is a voluntary survey authorized by Title 13 of the United States Code. This survey provides statistics on a calendar-month basis for manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). Data published from the M3 survey are based on a panel of approximately 4,800 reporting units that represent approximately 3,000 companies and provide an indication of month-to-month change for the Manufacturing Sector. These reporting units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 92 industry categories, which are combined into 65 publication levels due to the small monthly panel size. The survey methodology assumes that the month-to-month changes of the total operations of the reporting units in the M3 panel effectively represent the month-to-month movements of all establishments that make up the category.

The companies for which shipments data are currently reported or imputed in the M3 survey represent approximately 61 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census, and these companies include almost two-thirds of the manufacturing companies with \$500 million or more in shipments in the 2012 Economic Census. The companies for which shipments data are currently reported in the M3 survey represent approximately 54 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census. Statistics based on the M3 panel differ from the results that would be obtained from a complete enumeration of all manufacturing companies. The M3 panel is not based on a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source. Any corrections will be published in the full report. Corrections received after the full report will be released in the next month's advance report. Any revisions made later than two months will be reflected in the annual benchmark publication.

Additional survey documentation can be found on our web site: <http://www.census.gov/m3>.

2017 Release Dates for the M3 Survey

Survey month	Advance Report (8:30 a.m. release time)	Full Report (10:00 a.m. release time)
Nov-16	Thu 12/22/2016	Fri 1/6/2017
Dec-16	Fri 1/27/2017	Fri 2/3/2017
Jan-17	Mon 2/27/2017	Mon 3/6/2017
Feb-17	Fri 3/24/2017	Tue 4/4/2017
Mar-17	Thu 4/27/2017	Thu 5/4/2017
Apr-17	Fri 5/26/2017	Mon 6/5/2017
May-17	Mon 6/26/2017	Wed 7/5/2017
Jun-17	Thu 7/27/2017	Thu 8/3/2017
Jul-17	Fri 8/25/2017	Tue 9/5/2017
Aug-17	Wed 9/27/2017	Thu 10/5/2017
Sep-17	Wed 10/25/2017	Fri 11/3/2017
Oct-17	Wed 11/22/2017	Mon 12/4/2017
Nov-17	Fri 12/22/2017	Not available at this time