

Appendix table 3.

Manufacturing sector: Revised productivity, hourly compensation, and unit labor costs, seasonally adjusted

Year and quarter		Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs

Indexes 1992=100							
1995	I	107.7	113.2	105.1	106.8	100.3	99.2
	II	108.9	113.2	104.0	107.8	100.4	99.0
	III	109.8	113.8	103.7	108.4	100.5	98.7
	IV	110.7	114.5	103.4	108.6	100.1	98.1
	ANNUAL	109.3	113.7	104.0	107.9	100.4	98.7
1996	I	111.6	114.5	102.6	108.4	99.2	97.2
	II	112.5	116.8	103.8	108.9	98.8	96.8
	III	113.9	118.5	104.1	109.6	98.9	96.2
	IV	114.5	119.4	104.2	110.3	98.9	96.3
	ANNUAL	113.1	117.3	103.7	109.3	99.0	96.6
1997	I	115.2	121.0	105.0	110.4	98.3	95.8
	II	116.3	122.8	105.6	110.5	98.1	95.0
	III	118.7	125.0	105.3	111.5	98.6	93.9
	IV	120.1	127.3	106.0	113.3	99.8	94.4
	ANNUAL	117.6	124.0	105.5	111.4	98.8	94.8

Percent change from previous quarter at annual rate(5)							
1995	I	5.0	5.1	0.2	1.0	-1.3	-3.7
	II	4.7	0.3	-4.3	3.8	0.5	-0.8
	III	3.3	2.1	-1.2	2.2	0.2	-1.0
	IV	3.1	2.3	-0.8	0.7	-1.4	-2.3
	ANNUAL	3.9	4.3	0.4	2.1	-0.4	-1.7
1996	I	3.4	0.1	-3.2	-0.6	-3.5	-3.9
	II	3.3	8.3	4.8	1.9	-1.6	-1.3
	III	5.0	6.1	1.0	2.3	0.3	-2.5
	IV	2.4	3.0	0.6	2.8	-0.1	0.4
	ANNUAL	3.5	3.2	-0.3	1.3	-1.4	-2.1
1997	I	2.3	5.4	3.0	0.3	-2.1	-2.0
	II	4.0	6.3	2.3	0.2	-0.8	-3.6
	III	8.6	7.3	-1.2	3.8	2.1	-4.4
	IV	4.6	7.5	2.7	6.7	4.6	2.0
	ANNUAL	3.9	5.7	1.7	1.9	-0.2	-1.9

Percent change from corresponding quarter of previous year							
1995	I	3.9	6.8	2.8	1.6	-0.8	-2.2
	II	3.6	4.5	0.9	2.5	-0.2	-1.1
	III	3.9	3.6	-0.3	2.4	0.0	-1.4
	IV	4.0	2.4	-1.5	2.0	-0.5	-2.0
	ANNUAL	3.9	4.3	0.4	2.1	-0.4	-1.7
1996	I	3.6	1.2	-2.4	1.5	-1.1	-2.0
	II	3.3	3.1	-0.1	1.1	-1.6	-2.1
	III	3.7	4.1	0.4	1.1	-1.6	-2.5
	IV	3.5	4.3	0.8	1.6	-1.3	-1.8
	ANNUAL	3.5	3.2	-0.3	1.3	-1.4	-2.1
1997	I	3.2	5.7	2.4	1.8	-0.9	-1.4
	II	3.4	5.2	1.7	1.4	-0.7	-1.9
	III	4.3	5.5	1.1	1.8	-0.3	-2.4
	IV	4.9	6.6	1.7	2.7	0.9	-2.0
	ANNUAL	3.9	5.7	1.7	1.9	-0.2	-1.9

See footnotes following Table 6.

Appendix table 3. Manufacturing sector: Revised productivity, hourly compensation, and unit labor costs, seasonally adjusted

Year and quarter		Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs

Indexes 1992=100							
1995	I	107.4	112.9	105.1	106.8	100.3	99.4
	II	108.5	112.8	104.0	107.8	100.4	99.3
	III	109.6	113.6	103.7	108.4	100.5	98.9
	IV	110.4	114.2	103.4	108.6	100.1	98.4
	ANNUAL	109.0	113.4	104.0	107.9	100.4	99.0
1996	I	111.4	114.3	102.6	108.4	99.2	97.3
	II	112.3	116.5	103.8	108.9	98.8	97.1
	III	113.3	118.0	104.1	109.6	98.9	96.7
	IV	114.0	118.9	104.3	110.3	98.8	96.7
	ANNUAL	112.8	116.9	103.7	109.3	99.0	96.9
1997	I	114.8	120.6	105.1	110.3	98.3	96.1
	II	115.5	122.1	105.6	110.4	98.1	95.6
	III	118.3	124.5	105.3	111.5	98.6	94.3
	IV	119.8	126.9	105.9	113.4	99.8	94.7
	ANNUAL	117.1	123.5	105.5	111.4	98.8	95.1

Percent change from previous quarter at annual rate(5)							
1995	I	5.5	5.6	0.2	1.0	-1.4	-4.2
	II	4.1	-0.4	-4.3	3.8	0.5	-0.2
	III	3.9	2.6	-1.2	2.2	0.2	-1.6
	IV	3.0	2.1	-0.9	0.8	-1.4	-2.2
	ANNUAL	3.8	4.3	0.4	2.1	-0.4	-1.6
1996	I	3.9	0.6	-3.2	-0.6	-3.5	-4.3
	II	3.0	8.0	4.9	1.9	-1.6	-1.1
	III	3.8	4.9	1.1	2.3	0.2	-1.5
	IV	2.6	3.3	0.6	2.7	-0.2	0.1
	ANNUAL	3.5	3.1	-0.3	1.3	-1.4	-2.1
1997	I	2.6	5.7	3.1	0.2	-2.2	-2.3
	II	2.7	5.0	2.2	0.3	-0.8	-2.4
	III	9.7	8.2	-1.4	4.0	2.3	-5.3
	IV	5.3	7.9	2.5	7.0	4.9	1.6
	ANNUAL	3.8	5.6	1.7	1.9	-0.2	-1.8

Percent change from corresponding quarter of previous year							
1995	I	3.8	6.7	2.8	1.6	-0.8	-2.1
	II	3.5	4.4	0.9	2.5	-0.3	-1.0
	III	4.0	3.6	-0.3	2.4	0.0	-1.5
	IV	4.1	2.5	-1.5	2.0	-0.5	-2.1
	ANNUAL	3.8	4.3	0.4	2.1	-0.4	-1.6
1996	I	3.7	1.2	-2.4	1.5	-1.1	-2.1
	II	3.4	3.3	-0.1	1.1	-1.6	-2.3
	III	3.4	3.9	0.4	1.1	-1.6	-2.3
	IV	3.3	4.2	0.8	1.6	-1.3	-1.7
	ANNUAL	3.5	3.1	-0.3	1.3	-1.4	-2.1
1997	I	3.0	5.5	2.4	1.8	-0.9	-1.2
	II	2.9	4.7	1.8	1.3	-0.8	-1.5
	III	4.4	5.5	1.1	1.8	-0.3	-2.5
	IV	5.0	6.7	1.6	2.8	1.0	-2.1
	ANNUAL	3.8	5.6	1.7	1.9	-0.2	-1.8

See footnotes following Table 6.

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Appendix table 1. Manufacturing sector: Revised productivity, hourly compensation, and unit labor costs, seasonally adjusted

Year and quarter		Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs

Indexes 1992=100							
1996	I	111.3	114.2	102.6	108.4	99.2	97.4
	II	112.2	116.5	103.8	108.9	98.9	97.1
	III	113.3	118.0	104.1	109.6	98.9	96.7
	IV	114.2	119.1	104.3	110.3	98.8	96.5
	ANNUAL	112.8	117.0	103.7	109.3	99.0	96.9
1997	I	115.2	121.1	105.1	110.3	98.3	95.8
	II	116.1	122.7	105.6	110.4	98.1	95.1
	III	118.9	125.1	105.3	111.5	98.7	93.8
	IV	120.3	127.4	105.9	113.4	99.8	94.3
	ANNUAL	117.6	124.1	105.5	111.4	98.8	94.7
1998	I	121.9	129.0	105.8	115.4	101.4	94.7
	II	123.1	129.8	105.5	116.8	102.3	94.9
	III	125.2	130.8	104.5	118.0	103.0	94.3
	IV	125.9	132.0	104.8	119.0	103.4	94.5
	ANNUAL	124.0	130.4	105.2	117.3	102.6	94.6

Percent change from previous quarter at annual rate(5)							
1996	I	3.7	0.4	-3.2	-0.6	-3.6	-4.1
	II	3.1	8.1	4.9	1.9	-1.5	-1.1
	III	4.2	5.3	1.1	2.3	0.3	-1.8
	IV	3.3	3.9	0.6	2.7	-0.6	-0.5
	ANNUAL	3.5	3.1	-0.3	1.3	-1.4	-2.1
1997	I	3.5	6.7	3.1	0.2	-2.1	-3.2
	II	3.2	5.5	2.2	0.3	-0.6	-2.8
	III	9.8	8.2	-1.4	4.0	2.2	-5.3
	IV	4.9	7.4	2.5	7.0	4.7	2.0
	ANNUAL	4.3	6.1	1.7	1.9	-0.2	-2.3
1998	I	5.4	5.1	-0.3	7.2	6.4	1.7
	II	4.1	2.5	-1.5	4.9	3.6	0.8
	III	6.9	3.2	-3.5	4.4	2.9	-2.4
	IV	2.3	3.5	1.2	3.4	1.5	1.1
	ANNUAL	5.4	5.1	-0.3	5.3	3.8	-0.1

Percent change from corresponding quarter of previous year							
1996	I	3.6	1.1	-2.4	1.5	-1.0	-2.0
	II	3.3	3.2	-0.1	1.1	-1.5	-2.2
	III	3.4	3.9	0.4	1.1	-1.5	-2.3
	IV	3.5	4.4	0.8	1.6	-1.4	-1.9
	ANNUAL	3.5	3.1	-0.3	1.3	-1.4	-2.1
1997	I	3.5	6.0	2.4	1.8	-1.0	-1.7
	II	3.5	5.3	1.8	1.3	-0.7	-2.1
	III	4.9	6.1	1.1	1.8	-0.3	-3.0
	IV	5.3	6.9	1.6	2.8	1.0	-2.3
	ANNUAL	4.3	6.1	1.7	1.9	-0.2	-2.3
1998	I	5.8	6.6	0.7	4.6	3.2	-1.1
	II	6.0	5.8	-0.2	5.8	4.2	-0.2
	III	5.3	4.6	-0.7	5.9	4.4	0.5
	IV	4.7	3.6	-1.0	5.0	3.6	0.3
	ANNUAL	5.4	5.1	-0.3	5.3	3.8	-0.1

Appendix table 3. Manufacturing sector: Revised productivity, hourly compensation, and unit labor costs, seasonally adjusted

Year and quarter		Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs
Indexes 1992=100							
1996	I	111.3	114.2	102.6	108.4	99.2	97.4
	II	112.3	116.5	103.7	109.1	99.0	97.1
	III	113.4	118.0	104.0	109.6	99.0	96.7
	IV	114.3	119.1	104.3	110.3	98.8	96.5
	ANNUAL	112.8	117.0	103.6	109.4	99.1	96.9
1997	I	115.2	121.1	105.1	110.3	98.2	95.8
	II	116.2	122.7	105.6	110.5	98.2	95.1
	III	118.9	125.1	105.2	111.6	98.7	93.8
	IV	120.2	127.4	106.0	113.3	99.8	94.3
	ANNUAL	117.6	124.1	105.5	111.4	98.8	94.7
1998	I	121.8	129.0	105.9	115.4	101.4	94.7
	II	123.1	129.8	105.5	117.0	102.5	95.1
	III	125.2	130.8	104.5	118.2	103.2	94.4
	IV	125.8	132.0	104.9	119.1	103.5	94.7
	ANNUAL	124.0	130.4	105.2	117.4	102.7	94.7
Percent change from previous quarter at annual rate(5)							
1996	I	3.6	0.4	-3.2	-0.6	-3.6	-4.1
	II	3.5	8.1	4.4	2.3	-1.1	-1.1
	III	4.1	5.3	1.2	2.2	0.2	-1.8
	IV	3.0	3.9	0.9	2.4	-0.9	-0.5
	ANNUAL	3.5	3.1	-0.4	1.4	-1.3	-2.1
1997	I	3.2	6.7	3.4	-0.1	-2.4	-3.2
	II	3.8	5.5	1.6	0.8	0.0	-2.8
	III	9.6	8.2	-1.3	3.9	2.1	-5.3
	IV	4.3	7.4	3.0	6.4	4.2	2.1
	ANNUAL	4.3	6.1	1.8	1.9	-0.3	-2.3
1998	I	5.5	5.1	-0.4	7.6	6.8	2.0
	II	4.2	2.5	-1.6	5.7	4.5	1.5
	III	7.0	3.2	-3.6	4.0	2.5	-2.8
	IV	2.0	3.5	1.5	3.1	1.2	1.1
	ANNUAL	5.4	5.1	-0.2	5.4	3.9	0.0
Percent change from corresponding quarter of previous year							
1996	I	3.6	1.1	-2.4	1.5	-1.0	-2.0
	II	3.4	3.2	-0.2	1.2	-1.4	-2.2
	III	3.5	3.9	0.4	1.2	-1.4	-2.3
	IV	3.5	4.4	0.8	1.6	-1.4	-1.9
	ANNUAL	3.5	3.1	-0.4	1.4	-1.3	-2.1
1997	I	3.4	6.0	2.5	1.7	-1.0	-1.7
	II	3.5	5.3	1.8	1.3	-0.8	-2.1
	III	4.9	6.1	1.1	1.7	-0.3	-3.0
	IV	5.2	6.9	1.7	2.7	1.0	-2.3
	ANNUAL	4.3	6.1	1.8	1.9	-0.3	-2.3
1998	I	5.8	6.6	0.7	4.7	3.3	-1.1
	II	5.9	5.8	-0.1	5.9	4.4	0.0
	III	5.2	4.6	-0.6	5.9	4.5	0.7
	IV	4.7	3.6	-1.0	5.1	3.7	0.4
	ANNUAL	5.4	5.1	-0.2	5.4	3.9	0.0

See footnotes following Table 6.

Appendix table 3.
Manufacturing sector: Revised productivity, hourly compensation, and unit labor costs,
seasonally adjusted

Year and quarter		Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs
Indexes 1992=100							
1996	I	111.4	114.2	102.6	108.4	99.2	97.4
	II	112.1	116.2	103.7	109.1	99.0	97.3
	III	113.5	118.1	104.0	109.6	99.0	96.6
	IV	114.4	119.3	104.3	110.3	98.8	96.4
	ANNUAL	112.8	117.0	103.6	109.4	99.1	96.9
1997	I	115.3	121.2	105.1	110.3	98.2	95.6
	II	116.3	122.7	105.6	110.5	98.2	95.0
	III	118.8	125.0	105.2	111.6	98.7	93.9
	IV	120.1	127.3	106.0	113.3	99.8	94.3
	ANNUAL	117.6	124.1	105.5	111.4	98.8	94.7
1998	I	121.9	129.0	105.9	115.4	101.4	94.7
	II	123.1	129.8	105.5	117.0	102.5	95.1
	III	125.0	130.7	104.5	118.2	103.2	94.6
	IV	125.9	132.1	105.0	119.1	103.4	94.6
	ANNUAL	124.0	130.4	105.2	117.4	102.7	94.7
Percent change from previous quarter at annual rate(5)							
1996	I	3.7	0.4	-3.2	-0.6	-3.6	-4.1
	II	2.7	7.2	4.4	2.3	-1.1	-0.3
	III	5.1	6.4	1.2	2.2	0.2	-2.8
	IV	3.2	4.1	0.9	2.4	-0.9	-0.7
	ANNUAL	3.5	3.1	-0.4	1.4	-1.3	-2.1
1997	I	3.2	6.7	3.4	-0.1	-2.4	-3.2
	II	3.4	5.1	1.6	0.8	0.0	-2.5
	III	9.0	7.5	-1.3	3.9	2.2	-4.7
	IV	4.6	7.7	3.0	6.5	4.2	1.8
	ANNUAL	4.3	6.1	1.8	1.9	-0.3	-2.3
1998	I	5.9	5.5	-0.4	7.7	6.9	1.6
	II	4.0	2.4	-1.5	5.7	4.5	1.6
	III	6.3	2.6	-3.5	3.9	2.4	-2.2
	IV	2.9	4.5	1.6	3.0	1.1	0.1
	ANNUAL	5.4	5.1	-0.2	5.4	3.9	0.0
Percent change from corresponding quarter of previous year							
1996	I	3.5	1.0	-2.4	1.5	-1.0	-1.9
	II	3.2	2.9	-0.2	1.2	-1.4	-2.0
	III	3.7	4.1	0.4	1.2	-1.4	-2.5
	IV	3.7	4.5	0.8	1.6	-1.4	-2.0
	ANNUAL	3.5	3.1	-0.4	1.4	-1.3	-2.1
1997	I	3.5	6.1	2.5	1.7	-1.0	-1.8
	II	3.7	5.6	1.8	1.3	-0.8	-2.3
	III	4.7	5.9	1.1	1.7	-0.3	-2.8
	IV	5.0	6.8	1.7	2.7	1.0	-2.2
	ANNUAL	4.3	6.1	1.8	1.9	-0.3	-2.3
1998	I	5.7	6.5	0.7	4.7	3.3	-1.0
	II	5.9	5.8	-0.1	5.9	4.4	0.1
	III	5.2	4.5	-0.6	5.9	4.5	0.7
	IV	4.8	3.7	-1.0	5.1	3.7	0.3
	ANNUAL	5.4	5.1	-0.2	5.4	3.9	0.0

Appendix table 3. Manufacturing sector: Revised productivity, hourly compensation, and unit labor costs, seasonally adjusted

Year and quarter		Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs

Indexes 1992=100							
1997	I	115.4	121.3	105.1	110.3	98.6	95.6
	II	116.4	122.8	105.5	110.6	98.6	95.0
	III	118.7	124.9	105.2	111.6	99.1	94.0
	IV	119.8	127.0	106.0	113.3	100.0	94.6
	ANNUAL	117.6	124.0	105.4	111.5	99.1	94.8
1998	I	121.3	128.3	105.8	115.5	101.8	95.2
	II	122.3	129.0	105.5	117.0	102.8	95.7
	III	124.3	130.0	104.5	118.2	103.5	95.1
	IV	125.5	131.8	105.0	119.0	103.7	94.8
	ANNUAL	123.3	129.8	105.2	117.4	103.0	95.2
1999	I	128.0	133.4	104.3	120.6	104.7	94.3
	II	128.8	134.6	104.5	120.9	104.2	93.9
	III	129.8	135.8	104.7	122.6	104.9	94.4
	IV	132.1	137.3	103.9	124.2	105.4	94.0
	ANNUAL	129.7	135.3	104.4	122.1	104.9	94.1

Percent change from previous quarter at annual rate(5)							
1997	I	3.5	6.9	3.2	0.1	-2.2	-3.3
	II	3.4	4.9	1.5	1.0	0.1	-2.4
	III	8.3	7.1	-1.2	3.7	2.0	-4.2
	IV	3.5	6.9	3.3	6.1	3.9	2.6
	ANNUAL	4.2	6.0	1.7	1.9	-0.2	-2.2
1998	I	5.1	4.4	-0.7	7.9	7.1	2.7
	II	3.5	2.1	-1.4	5.5	4.4	2.0
	III	6.8	3.0	-3.5	3.9	2.4	-2.6
	IV	3.9	5.7	1.8	2.8	1.0	-1.1
	ANNUAL	4.9	4.7	-0.2	5.3	3.9	0.4
1999	I	8.0	5.1	-2.7	5.6	3.9	-2.2
	II	2.7	3.6	0.9	1.0	-1.8	-1.7
	III	3.1	3.6	0.5	5.6	2.6	2.5
	IV	7.5	4.5	-2.8	5.4	2.0	-1.9
	ANNUAL	5.1	4.3	-0.8	4.0	1.8	-1.1

Percent change from corresponding quarter of previous year							
1997	I	3.7	6.2	2.4	1.8	-1.0	-1.8
	II	3.9	5.6	1.7	1.4	-0.7	-2.4
	III	4.6	5.8	1.1	1.8	-0.2	-2.7
	IV	4.7	6.4	1.7	2.7	0.9	-1.9
	ANNUAL	4.2	6.0	1.7	1.9	-0.2	-2.2
1998	I	5.1	5.8	0.7	4.7	3.2	-0.4
	II	5.1	5.1	0.0	5.8	4.3	0.7
	III	4.7	4.1	-0.6	5.9	4.4	1.1
	IV	4.8	3.8	-1.0	5.0	3.7	0.2
	ANNUAL	4.9	4.7	-0.2	5.3	3.9	0.4
1999	I	5.5	4.0	-1.5	4.5	2.9	-1.0
	II	5.3	4.4	-0.9	3.3	1.4	-1.9
	III	4.4	4.5	0.1	3.7	1.4	-0.6
	IV	5.3	4.2	-1.0	4.4	1.7	-0.9
	ANNUAL	5.1	4.3	-0.8	4.0	1.8	-1.1

See footnotes following Table 6.

Appendix table 3.
Manufacturing sector: Revised productivity, hourly compensation, and unit labor costs,
seasonally adjusted

Year and quarter		Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs

Indexes 1992=100							

1999	I	126.7	132.9	104.9	121.7	r105.8	96.0
	II	r127.4	133.9	r105.1	r122.3	r105.5	r96.0
	III	r127.9	134.7	r105.3	r124.0	r106.1	96.9
	IV	130.8	136.8	r104.5	127.1	108.0	97.2
	ANNUAL	128.2	134.6	r105.0	123.8	r106.3	96.6

2000	I	r132.4	137.9	104.2	r133.4	112.3	100.8
	II	r133.9	139.7	104.3	r132.6	110.7	99.0
	III	r134.5	139.1	103.4	r136.4	r112.9	101.5
	IV	r135.4	137.8	r101.8	r137.2	r112.7	101.3
	ANNUAL	134.2	138.6	103.3	r135.0	112.3	100.6

Percent change from previous quarter at annual rate(5)							

1999	I	4.8	1.8	r-2.9	3.9	2.4	-0.9
	II	r2.1	2.9	r0.8	r2.1	r-0.9	0.0
	III	1.6	2.4	0.8	r5.5	2.3	3.7
	IV	r9.4	6.3	r-2.8	r10.5	r7.3	1.0
	ANNUAL	3.8	2.9	r-0.8	4.2	r2.0	0.3

2000	I	4.8	3.5	r-1.3	r21.3	16.9	15.7
	II	r4.7	5.2	r0.5	r-2.5	r-5.7	r-6.9
	III	r1.7	-1.7	-3.4	r12.2	r8.3	10.3
	IV	r2.7	-3.6	r-6.1	r2.1	r-0.8	-0.6
	ANNUAL	r4.7	3.0	r-1.6	9.1	5.6	4.2

Percent change from corresponding quarter of previous year							

1999	I	r4.2	2.5	-1.6	4.4	2.9	0.3
	II	r3.8	2.8	r-0.9	r3.3	r1.2	-0.5
	III	2.9	3.0	0.1	r3.5	r1.2	0.7
	IV	4.4	3.3	r-1.1	5.4	2.7	1.0
	ANNUAL	3.8	2.9	r-0.8	4.2	r2.0	0.3

2000	I	4.4	3.8	r-0.7	9.6	6.2	4.9
	II	5.1	4.4	-0.7	r8.4	4.9	3.1
	III	5.1	3.3	-1.8	10.1	6.4	4.7
	IV	3.5	0.8	-2.6	7.9	4.3	4.3
	ANNUAL	r4.7	3.0	r-1.6	9.1	5.6	4.2

See footnotes following Table 6.
r=revised