

The Daily

Statistics Canada

Friday, July 3, 1987

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Capital Expenditures on Machinery and Equipment – New Data, 1985

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- For every \$7 industries spent on conventional machinery and equipment, \$1 was spent on robotized/computerized machinery and equipment.

Construction Building Material Price Index: Residential, May 1987

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- Prices showed no change from April, but were up 2.5% year-over-year.

Construction Building Material Price Index: Non- residential, May 1987

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- The index decreased 0.2% from the previous month, but was still up 2.5% from May 1986.

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Major Releases

Capital Expenditures on Machinery and Equipment - New Data 1985

Highlights

- For every \$1 spent on robotized/computerized machinery and equipment in the industries surveyed, \$7 was spent on conventional machinery and equipment.
- Within robotized/computerized machinery and equipment, the spending pattern was as follows: \$41 million for material handling, \$820 million for the production process and \$244 million for communications.
- Within conventional machinery and equipment, the spending pattern was as follows: \$272 million for material handling, \$5,754 million for the production process and \$1,810 million for communications.
- In the manufacturing industries, electrical products led with 30.1% of its spending on robotized/computerized machinery and equipment.
- The paper and allied industries spent the most on robotized/computerized equipment - \$341 million.
- Expenditures on computer hardware and word processors amounted to \$2,264 million.
- Capitalized overhaul represented 3% of total capital machinery and equipment expenditures.

New Data on Machinery and Equipment

The private and public investment survey was recently expanded to improve our understanding of the nature of investment expenditures. New information on modernization, overhaul and types of equipment are just a few examples of the main features of the new survey.

On the basis of the new survey, 30 different types of equipment have been reported and classified according to 45 industries that buy the equipment. Previously, this detail has not been available. Analysis will now yield not only how much an industry invests but also the kind of machinery being purchased and the technological and structural change taking place.

The source of these data is the survey of capital and repair expenditures "actual 1985". Industries included in the 1st phase (see table 1) represent 75% of the all-industry total of \$32.4 billion published in *Private and Public Investment in Canada, Outlook 1987*. In order to complete the coverage, further industries will be added in succeeding years.

Since this is the first time the data have been collected, we can only highlight the structure of the data series. Trend analysis will follow in future years as the data become available.

(See tables on pages 3 and 4)

Any questions regarding this information or requests for additional data should be directed to any one of the following: Duncan Lusick (613-991-2209), Jim Cain (613-991-2590), John Foley (613-991-2591), Science, Technology and Capital Stock Division.

Capital Expenditures on Machinery and Equipment¹ by Type of Asset (Table 1)
1985 Actual Data

Sectors	Published total capital machinery and equipment	Detail by Asset	
		Included in 1st phase	To be obtained in later phases
(millions of dollars)			
Agriculture	2,225		2,225
Fishing	63		63
Forestry	96	96	
Mining	1,632	123	1,509
Construction industry	961		961
Manufacturing	8,950	8,950	
Utilities	6,906	4,067	
- Pipelines			109
- Electric Power			2,730
Trade, Finance, Commercial	8,735	8,735	
Institutions	981	981	
- Schools (Municipal and Provincial)			193
Government Departments	1,865		
- Federal and Provincial		1,504	
- Municipal Government Departments			361
TOTAL	32,414	24,263	8,151
Percentage of Published Total	100%	75%	25%

¹ Totals by sector or industry as published in *Private and Public Investment in Canada* (catalogue 61-205).

Capital Expenditures on Machinery and Equipment in Canada, by Type of Asset (Table 2)
1985

	Forestry/ and Segment of Mining	Manu- facturing	Utilities	Trade Finance and Commercial	Institutions Fed./Prov. Government Departments	Total
Millions of dollars						
General Machinery and Equipment						
Office furniture, furnishings, office machines	1	161	66	1,444	220	1,892
Computer hardware/word processors	2	318	299	1,312	333	2,264
Non-office furniture, furnishings and fixtures	--	37	1	1,188	184	1,410
Scientific, professional and medical devices	--	64	12	220	516	812
Heating, electrical, plumbing, air conditioning	--	50	41	43	18	152
Pollution abatement and control	x	84	x	2	4	91
Safety and security equipment	--	8	2	12	28	50
Sanitation equipment	--	1	1	1	2	5
Motors, generators, transformers, pumps	2	97	22	141	x	266
Heavy construction equipment	23	19	8	139	62	251
Tractors, farm equipment	16	11	1	55	5	88
Capitalized tooling and other tools	x	123	29	16	7	175
Drilling rigs	64	x	--	x	--	70
Salvage equipment	x	x	--	--	--	1
Transportation Equipment						
Automobiles and major parts	2	60	57	2,113	99	2,331
Buses and major parts	x	x	143	7	23	174
Trucks, vans and major parts	22	87	415	664	46	1,234
All-terrain vehicles and parts	x	--	x	1	1	5
Rail/subway/rapid transit rolling stock and parts	--	x	554	x	x	800
Ships, boats and major parts	x	2	75	59	279	417
Aircraft, helicopters and parts	1	2	318	544	80	945
Other transportation equipment	x	3	3	1	6	14
Robotized/Computerized-assisted Machinery and Equipment						
For material handling	x	19	x	21	1	41
For the production process	--	811	--	8	--	820
For communication systems	--	11	166	14	53	244
Other robotized/computerized	x	2	x	2	9	14
Conventional Machinery/Equipment (Non-robotized/Non-computerized-assisted)						
For material handling	7	100	31	129	5	272
For the production process	69	5,458	77	145	5	5,754
For communication systems	x	11	1,571	38	189	1,810
Other Machinery and Equipment						
Other machinery and equipment	2	1,342	174	233	110	1,861
Total	218	8,950	4,067	8,736	2,292	24,263

-- Nil or zero,
-- Amount too small to be expressed.
x Confidential.

Construction Building Material Price Index: Residential

May 1987

The price index for residential construction building materials showed no change in May from the previous month's index of 133.0 and was 2.5% higher than the year-earlier level of 129.8.

Between April and May 1987, there were several minor price fluctuations. Price increases which had the most significant impact upon the total index were for lumber and roof trusses which were offset by decreases in prices for all types of plywood, polyethylene sheets and building wires and cables.

Between May 1986 and May 1987, prices for mechanical materials increased 3.3%, architectural materials 2.9%, and structural materials 1.5%. Electrical materials decreased 0.5%. Price increases which had a notable impact on the total index were for gypsum wall board, windows and sash and metal roofing and siding.

Available on CANSIM: matrix 423.

Order the second quarter 1987 issue of *Construction Price Statistics* (62-007, \$15/\$60), available in September. Contact the Information Service (613-990-9607), Prices Division.

Construction Building Material Price Indexes: Residential

May 1987

(1981 = 100)

	May '87	Apr. '87	May '86	% change	
				May '87/ Apr. '87	May '87/ May '86
Total materials	133.0	133.0	129.8	-	2.5
Architectural materials	133.0	133.4	129.3	-0.3	2.9
Structural materials	136.3	135.7	134.3	0.4	1.5
Mechanical materials	131.9	131.5	127.7	0.3	3.3
Electrical materials	119.5	120.3	120.1	0.7	-0.5

- Nil or zero.

Construction Building Material Price Index: Non-residential May 1987

The price index for non-residential construction building materials declined to 129.2 in May, down 0.2% from the previous month but 2.5% higher than a year ago.

Between April and May 1987, the main price decreases were for building wires and cables, polyethylene sheets and plywood. These more than offset several small increases which occurred primarily for lumber, clay bricks and blocks and mineral wool.

Between May 1986 and May 1987, prices for mechanical materials rose 3.4%, due mainly to increases for elevator and escalator equipment and sanitaryware. This was followed by an increase in prices for architectural materials of 3.0% attributable to metal roofing and siding and colorless plate and sheet glass. Structural and electrical materials rose 1.9% and 0.9% respectively.

Available on CANSIM: matrix 423.

Order the second quarter 1987 issue of *Construction Price Statistics* (62-007, \$15/\$60), available in September. Contact the Information Service (613-990-9607), Prices Division.

Construction Building Material Price Indexes: Non-residential May 1987 (1981=100)

	May '87	Apr. '87	May '86	% change	
				May '87/ Apr. '87	May '87/ May '86
Total materials	129.2	129.4	126.1	-0.2	2.5
Architectural materials	131.2	131.4	127.4	-0.2	3.0
Structural materials	127.9	128.1	125.5	-0.2	1.9
Mechanical materials	132.1	131.9	127.7	0.2	3.4
Electrical materials	121.3	121.9	120.2	-0.5	0.9

Data Availability Announcements

Cement

May 1987

Manufacturers shipped 1 265 092 tonnes of cement in May 1987, an increase of 22.9% from the 1 029 351 tonnes shipped a year earlier and an increase of 31.7% from the 960 838 tonnes shipped in April 1987.

January to May 1987 shipments reached 3 752 066 tonnes, up 15.4% from the 3 251 491 tonnes shipped during the first five months of 1986.

Available on CANSIM: matrices 92 and 122 (series 13).

Order the May 1987 issue of *Cement* (44-001, \$4/\$40), available the week of July 6. Contact: Sharon M. Boyer (613-991-3520), Industry Division.

Rigid Insulating Board

May 1987

Shipments of rigid insulating board totalled 4 946 thousand square metres (12.7 mm basis) in May 1987, an increase of 0.7% compared to 4 913 thousand square metres (12.7 mm basis) in May 1986.

For January to May 1987, year-to-date shipments amounted to 22 290 thousand square metres (12.7 mm basis) compared to 21 327 thousand square metres (12.7 mm basis) for the same period in 1986, an increase of 4.5%.

Available on CANSIM: matrix 31, 122 (series 4-7).

For further information, order the May 1987 issue of *Rigid Insulating Board* (36-002, \$4/\$40), to be released the week of July 13. Contact Jacques Lepage (613-991-3510), Industry Division.

Women's Sportswear Industry

1985 Census of Manufactures

In 1985, the value of shipments of goods of own manufacture for the women's sportswear industry (SIC 2442) totalled \$748.6 million, up 19.3% from \$627.7 million in 1984.

Available on CANSIM: matrix 5446 and to be released shortly in catalogue 34-252B 2442. Commodity data for this industry will become available in August 1987.

Contact Carla Mouradian (613-990-9834), Industry Division.

Communications and Energy Wire and Cable Industries

1985 Census of Manufactures

In 1985, the value of shipments of goods of own manufacture for the communications and energy wire and cable industries (SIC 3381) totalled \$1,374.7 million, up 11.8% from \$1,229.7 million in 1984.

Available on CANSIM: matrix 5583 and to be released shortly in catalogue 43-250B 3381. Commodity data for this industry will become available in August 1987.

Contact Aldo Diaz (613-991-3523), Industry Division.



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Publications Released

Summary of Canadian International Trade, April 1987.

Catalogue number 65-001

(Canada: \$15/\$150; Other Countries: \$16/\$160).

Exports by Commodity, April 1987.

Catalogue number 65-004

(Canada: \$50/\$500; Other Countries: \$60/\$600).

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**The
Daily**

Statistics Canada's Official Release Bulletin for Statistical Information

Catalogue 11-001E. Price: Canada \$100/year; other countries \$125/year

Published by the Communications Division (Director - Tim Davis)
Statistics Canada, 3-O, R.H. Coats Bldg., Ottawa K1A 0T6.

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Editor: Deanna Jamieson (613-991-1198)

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