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## MAJOR RELEASES

- Business Conditions Survey: Manufacturing industries, October 2001

Manufacturers were becoming increasingly concerned in October about the pace of their production and the prospects for employment in the fourth quarter. More than one-third expected to reduce output, and almost one-quarter expected their work force to decline.

- Workplace and Employee Survey: Job vacancies, 1999

Virtually one-half of all the long-term job vacancies in profit-oriented firms during 1999 were in the retail trade and consumer services industries, according to a new report based on data from the 1999 Workplace and Employee Survey.

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## MAJOR RELEASES

## Business Conditions Survey: Manufacturing industries <br> October 2001

Manufacturers were increasingly concerned about the pace of their production and the prospects for employment in the fourth quarter, according to the October Quarterly Business Conditions Survey.

The voluntary survey, to which almost 4,000 responded, showed that more than one-third of manufacturers expected to reduce output during the next three months, and almost one-quarter expected that their work force would decline.

However some respondents said they were finding it extremely difficult to assess their economic prospects for the fourth quarter. Many specifically mentioned the uncertainty caused by the September 11 terrorist attacks on New York and Washington, as well as the current economic slowdown.

The survey questionnaire was mailed in late September, and responses were collected during the first two weeks of October.

Only $8 \%$ of manufacturers remained positive about the prospects of increasing production for the coming quarter, the lowest level of positive responses since the survey began in 1981. This proportion is less than half the 17\% recorded in July and 19\% in October 2000.

Similarly, only 9\% of manufacturers said they planned to increase employment levels in the next three months, slightly less than $11 \%$ in July and almost one-half of the level of $17 \%$ in October 2000.

However, four of five manufacturers considered their level of finished product inventory on hand was just about right. Only about $20 \%$ said their inventory was too high, down from 28\% in July.

## One-third of manufacturers expect to cut production further

About $34 \%$ of manufacturers told the survey that they expected to reduce output during the next three months, more than double the proportion of $16 \%$ in October 2000.

Producers in the transportation equipment and primary metals industries were the major contributors to these lowered expectations. At the same time, about $58 \%$ of manufacturers reported their output would be about the same, compared with about $55 \%$ in July and $65 \%$ a year ago.

## Note to readers

The Business Conditions Survey is conducted in January, April, July and October; most of the responses are recorded in the first two weeks of these months. Results are based on replies from about 4,000 manufacturers, and are weighted by a manufacturer's shipments or employment. Consequently, larger manufacturers have a correspondingly larger impact on the results than smaller manufacturers.

Data in this release are seasonally adjusted, except for the data on production difficulties.

The balance of opinion for production prospects declined sharply to -26 in October, compared with -11 in July and +3 in October 2000.

The balance of opinion is determined by subtracting the proportion of manufacturers that stated their volume of production would likely be lower from the proportion who said their output would likely be higher.


## Employment prospects in manufacturing remain uncertain

Employment prospects in manufacturing remained uncertain for the fourth quarter, according to the survey. About 24\% of manufacturers said their work force would drop in the next three months, a substantial increase from $17 \%$ in July and double the proportion of $12 \%$ in October 2000.

Indications of decreasing employment levels were widespread across the major industry groupings.

The indications were strongest in four industries: transportation equipment, wood products, fabricated metal products and textiles.

The September Labour Force Survey reported employment in manufacturing fell more than 43,000 in the first nine months of 2001, down from a peak of just over 2.3 million in December 2000.

About two-thirds (67\%) of manufacturers said their employment levels would remain constant.

The October balance of opinion for employment prospects for the next three months fell 9 points to -15 .


## Reduced backlog of unfilled orders a concern

Almost one-half ( $48 \%$ ) of manufacturers said their backlog of unfilled orders was lower than normal, compared with $40 \%$ in July and $21 \%$ in October 2000.

As well, only $4 \%$ reported that the level was higher than normal, compared with $6 \%$ in July and $8 \%$ in October 2000. The -44 balance of opinion on unfilled orders was the lowest since the first quarter of $1992(-51)$ and 10 points lower than in July 2001.

The greatest level of concern regarding the backlog of unfilled orders came from producers in four industries: transportation equipment, primary metals, paper and electrical and electronic products.

According to the Monthly Survey of Manufacturing, unfilled orders in August eased back $0.5 \%$ to $\$ 49.3$ billion. Unfilled orders have generally been edging down since peaking in November 2000 at $\$ 50.9$ billion.

## Greater worry about orders received

About $46 \%$ of manufacturers reported concern about declining orders received in October, compared with $41 \%$ in July and more than twice the level of $18 \%$ in October 2000.

This was largest proportion showing dissatisfaction with new orders since 48\% so reported in March 1991.

Manufacturers in the primary metals, transportation equipment, and paper industries expressed the greatest level of concern about orders received.

The balance of opinion on the current level of orders received dropped to $-41,7$ points lower than in the July survey.

## Manufacturers less concerned with finished product inventory

About $80 \%$ of manufacturers said they were satisfied with their current level of finished product inventory.

According to the Monthly Survey of Manufacturing, finished product inventories were slightly over $\$ 20$ billion in August, down from a high of more than $\$ 20.2$ billion in June. The finished products inventory-to-shipments ratio has levelled off after rising strongly during the winter of 2001.

In the October survey, the balance of opinion concerning the current level of finished product inventory improved 7 points to -19.

## Few manufacturers report production impediments

About $80 \%$ of manufacturers reported little in the way of production impediments in October, unchanged from the July survey. A shortage of skilled labour continued to be a concern for $7 \%$ of manufacturers and $2 \%$ reported a shortage of unskilled labour.

## Available on CANSIM: tables 3020001-3020003.

To order data, or for general information, contact the dissemination officer (1-866-873-8789; 613-951-9497; manufact@statcan.ca). For more information, or to enquire about the concepts, methods or data quality of this release, please contact Claude Robillard (613-951-3507; robilcg@statcan.ca), Manufacturing, Construction and Energy Division.

Business Conditions Survey: Manufacturing industries

|  | $\begin{array}{r} \hline \text { October } \\ 2000 \\ \hline \end{array}$ | January 2001 | $\begin{array}{r} \hline \text { April } \\ 2001 \\ \hline \end{array}$ | $\begin{array}{r} \text { July } \\ 2001 \\ \hline \end{array}$ | $\begin{array}{r}\text { October } \\ 2001 \\ \hline\end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Seasonally adjusted |  |  |  |  |
| Volume of production during next three months compared with last three months will be: |  |  |  |  |  |
| About the same | 65 | 43 | 59 | 55 | 58 |
| Higher | 19 | 16 | 14 | 17 | 8 |
| Lower | 16 | 41 | 27 | 28 | 34 |
| Balance | 3 | -25 | -13 | -11 | -26 |
| Orders received are: |  |  |  |  |  |
| About the same | 70 | 42 | 54 | 52 | 49 |
| Rising | 12 | 13 | 12 | 7 | 5 |
| Declining | 18 | 45 | 34 | 41 | 46 |
| Balance | -6 | -32 | -22 | -34 | -41 |
| Present backlog of unfilled orders is: |  |  |  |  |  |
| About normal | 71 | 55 | 55 | 54 | 48 |
| Higher than normal | 8 | 10 | 6 | 6 | 4 |
| Lower than normal | 21 | 35 | 39 | 40 | 48 |
| Balance | -13 | -25 | -33 | -34 | -44 |
| Finished product inventory on hand is: |  |  |  |  |  |
| Too low | 3 | 3 | 5 | 2 | 1 |
| Too high ${ }^{1}$ | 17 | 31 | 21 | 28 | 20 |
| Balance | -14 | -28 | -16 | -26 | -19 |
| Employment during the next three months will: |  |  |  |  |  |
| Change little | 71 | 65 | 72 | 72 | 67 |
| Increase | 17 | 17 | 9 | 11 | 9 |
| Decrease | 12 | 18 | 19 | 17 | 24 |
| Balance | 5 | -1 | -10 | -6 | -15 |
|  | unadjusted |  |  |  |  |
| Sources of production difficulties: |  |  |  |  |  |
| Working capital shortage | 2 | 2 | 3 | 2 | 3 |
| Skilled labour shortage | 8 | 8 | 8 | 7 | 7 |
| Unskilled labour shortage | 2 | 2 | 2 | 3 | 2 |
| Raw material shortage | 3 | 4 | 2 | 2 | 2 |
| Other difficulties | 5 | 6 | 5 | 6 | 6 |
| No difficulties | 80 | 79 | 82 | 80 | 80 |

1 No evident seasonality.

# Workplace and Employee Survey: Job vacancies 

Virtually one-half of all the long-term job vacancies in profit-oriented firms during 1999 were in the retail trade and consumer services industries, according to a new report based on data from the 1999 Workplace and Employee Survey (WES).

These sectors, which pay relatively low wages and have high rates of labour turnover, accounted for $50 \%$ of the job vacancies that went unfilled for at least four months prior to the time the survey was taken.

This suggests that even in periods of strong growth in the high-technology sector a substantial share of job vacancies is found outside high-tech industries. Both employment and gross domestic product recorded strong growth during 1999, while the unemployment rate was relatively low.

Firms in retail trade and consumer services accounted for $30 \%$ of jobs in the private sector in 1999. They paid their full-time workers an average of $\$ 13.18$ per hour, compared with an average of $\$ 19.14$ for all firms, and they also had a relatively high rate of labour turnover.

Of the 735,900 establishments in Canada, about $13 \%$, or 95,400 , reported a total of 286,415 job vacancies in 1999. This put the job vacancy rate at $2.6 \%$. About $1.2 \%$ of positions were still vacant after four months or more, which is an indicator of vacant jobs that employers find hard to fill. These figures may overestimate the number of jobs available to unemployed workers because they include some positions available only to people inside the firm. Companies may fill these positions, through promotions or lateral moves, with existing workers, and might not replace them through external recruitment.

The report found two types of establishments with high vacancy rates. The first consisted of firms that employed a highly skilled work force and that innovated and adopted new technologies that require greater skills. The second type consisted of firms that were not unionized, were part of a single-establishment company, and operated in retail trade and consumer services industries.

Despite the growing interest regarding labour shortages that emerged during the economic expansion of the late 1990s, there was no Canadian survey measuring the number of job vacancies in Canada, until recently.

The WES, which covers topics such as technology adoption, innovation, human resource practices and business strategies, also contains information on job vacancies. It is the first nation-wide Statistics Canada survey to measure job vacancy rates since the Job Vacancy Survey during

## Note to readers

This release is based on analysis in a new report titled Quest for workers: A new portrait of job vacancies in Canada, and an accompanying research paper, Which firms have high job vacancy rates in Canada?, both available today.

Quest for workers is the second report in the Evolving Workplace Series, a co-operative venture of Human Resources Development Canada and Statistics Canada to promote research on the workplace using data from the 1999 Workplace and Employee Survey (WES).

This survey collects a broad range of information on a sample of employers and their employees. It aims to shed light on the relationships between competitiveness, innovation, technology use and human resource management on the employer side, and technology use, training, job stability and earnings on the employee side. Future reports in this series will cover such topics as training determinants, gender-based wage differences and the computer technology-education connection.

The WES covers all industries except farming, fishing, hunting, trapping and public administration. Unless otherwise stated, all numbers presented in this release refer to these industries. In these industries, the vast majority of establishments operate for profit.

In this release, the term private sector refers to the establishments that operate for profit in the aforementioned industries. The job vacancy rate equals the number of unfilled positions divided by the total number of positions, both filled and vacant.
the 1970s. That survey estimated job vacancy rates between 1971 and 1978 at $0.4 \%$ to $1.6 \%$.

While the WES measured both vacant positions available to people inside the firm and those available to workers outside the firm, the Job Vacancy Survey measured only vacant positions available to people outside the firm. As a result, the two surveys are not comparable.

## Vacancy rates vary markedly by industry and region

A high unemployment rate usually coincides with a low job vacancy rate and, conversely, a high job vacancy rate coincides with a low unemployment rate. As the demand for labour rises, the number of unemployed workers tends to decline, and the number of job vacancies tends to increase.

In 1999, the extent of labour shortages varied substantially by industry. In forestry, mining and oil and gas extraction, where hourly wage rates for full-time workers averaged $\$ 26.42$, job vacancy rates were $0.9 \%$. In contrast, job vacancy rates were $3.9 \%$ in retail trade and consumer service industries.

Ontario, Manitoba and Alberta, three provinces with relatively low unemployment rates in 1999, displayed fairly high job vacancy rates. In Ontario, the job vacancy rate was $3.2 \%$; in Manitoba and Alberta, it was $3.4 \%$.

This was in sharp contrast with the Atlantic provinces, where the job vacancy rate was just $1.6 \%$,
likely reflecting the relatively high unemployment rates prevailing in these provinces.

Job vacancy rates and hourly wages, by industry 1999

|  | Job <br> vacancy <br> rate $^{1}$ | Average <br> hourly <br> wage of <br> full-time |
| :--- | ---: | ---: |
| employees |  |  |

1 The job vacancy rate equals the number of job vacancies divided by the total number of positions, both filled and vacant.
2 Except agriculture, fishing, hunting, trapping and public administration.

- Estimates not shown due to high sampling variability.


## High vacancy rates in establishments with strong skill requirements

Establishments with indicators of strong skill requirements tended to have relatively high job vacancy rates in 1999. For instance, establishments that implemented an innovation in the period from April 1, 1998 to March 31, 1999 had job vacancy rates of $3.0 \%$, compared with $1.8 \%$ for other establishments.

Furthermore, profit-oriented establishments that had a greater-than-average proportion of skilled employees (managers, professionals and technical or trades workers), and that innovated and also introduced a skill-increasing technology reported an even higher vacancy rate, $3.9 \%$.

## High vacancy rates in small and non-unionized establishments

Job vacancy rates appeared to be lower among large employers. Establishments with fewer than 100 employees had job vacancy rates of roughly $3.0 \%$, but those with more than 500 employees reported only $1.9 \%$ of their positions vacant. Similarly, workplaces belonging to a multi-establishment company reported a vacancy rate of $1.9 \%$, much lower than the $3.1 \%$ reported by others.

In unionized establishments, only $1.8 \%$ of jobs were vacant, compared with $3.0 \%$ in non-unionized establishments.

These differences may reflect a number of factors. First, large establishments and those belonging to a multi-establishment firm have an internal labour market that allows workers to change jobs without changing employers. Second, these establishments, along with unionized establishments, tend to pay relatively high wages.

Both factors are likely to reduce workers' rates of quitting, thus decreasing the number of vacancies created as a result of employees' departure. They may also increase the pool of applicants for a given job opening, leading to lower vacancy durations and, thus, lower vacancy rates.

The joint effect of employer size, union status and industry is substantial. Non-unionized workplaces in retail trade and consumer services industries that do not belong to a multi-establishment firm had job vacancy rates of $5.3 \%$. These workplaces accounted for fully one-third of all job vacancies in the private sector.

## Lack of experience, too few applicants cited as problems in filling vacancies

After four months or more, $1.2 \%$ of positions were still vacant. The explanations employers cited most often for long-term vacancies were the applicants' lack of experience and that there were too few applicants. However, these two reasons varied depending on the occupational group.

Among managerial, sales, marketing and production positions, for instance, the reason most often cited was applicants' lack of experience; for professionals, technical personnel and the clerical and administrative group, too few applicants was the reason most often cited.

Another reason was lack of education, which was reported frequently ( $46 \%$ of respondents) for having long-term vacancies in technical positions.

These findings must be interpreted with caution, because any of these reasons cited may conceal
poor compensation offered for some vacant positions. Furthermore, the reasons for being unable to fill vacancies may vary depending upon current economic growth and the associated labour demand.

The quest for workers: A new portrait of job vacancies in Canada is now available electronically (71-584-MIE01002, free) from both Statistics Canada's Web site (www.statcan.ca) and Human Resources Development Canada's Applied Research Branch Web site (www.hrdc-drhc.gc.ca/arb). A paper version (71-584-MPE, no. 2, \$15) is also available. See How to order products.

The research paper Which firms have high job vacancy rates in Canada? (11F0019MIE01176,
free) is now available on Statistics Canada's Web site (www.statcan.ca). From the Our products and services page, choose Research papers (free), then Social conditions. A paper version (11F0019MPE, no. 176, \$5/\$25), can be ordered from Hélène Lamadeleine (613-951-5231).

For more information, or to enquire about the concepts, methods or data quality of this release, contact René Morissette (613-951-3608), Business and Labour Market Analysis Division, or Diane Galarneau (613-951-4626), Labour Statistics Division. To enquire about related statistics or services, contact the Client Services Unit (1-866-873-8788; 613-951-4090; fax: 613-951-2869; labour@statcan.ca), Labour Statistics Division.

## OTHER RELEASES

## Help-wanted Index

October 2001
In October, the Help-wanted Index (1996=100) fell 5.4\% from September to 140, the sixth consecutive month of decline. Eight of 10 provinces recorded monthly decreases-Ontario ( $-7.0 \%$ ), Alberta ( $-6.8 \%$ ) and British Columbia ( $-6.7 \%$ ) showed the largest declines. Compared with October 2000, the national index was down 20.9\%.

## Help-wanted Index

(1996=100)

|  | $\begin{array}{r} \hline \text { Oct. } \\ 2000 \end{array}$ | $\begin{aligned} & \text { Sept. } \\ & 2001 \end{aligned}$ | $\begin{array}{r} \hline \text { Oct. } \\ 2001 \end{array}$ | $\begin{array}{r} \text { Oct. } \\ 2000 \\ \text { to } \\ \text { Oct. } \\ 2001 \\ \hline \end{array}$ | $\begin{array}{r} \text { Sept. } \\ \text { to } \\ \text { Oct. } \\ 2001 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Seasonally adjusted and smoothed |  |  | \% change |  |
| Canada | 177 | 148 | 140 | -20.9 | -5.4 |
| Newfoundland | 202 | 195 | 196 | -3.0 | 0.5 |
| Prince Edward Island | 243 | 232 | 224 | -7.8 | -3.4 |
| Nova Scotia | 164 | 157 | 150 | -8.5 | -4.5 |
| New Brunswick | 188 | 163 | 158 | -16.0 | -3.1 |
| Quebec | 168 | 138 | 134 | -20.2 | -2.9 |
| Ontario | 193 | 157 | 146 | -24.4 | -7.0 |
| Manitoba | 174 | 167 | 165 | -5.2 | -1.2 |
| Saskatchewan | 139 | 145 | 145 | 4.3 | 0.0 |
| Alberta | 175 | 176 | 164 | -6.3 | -6.8 |
| British Columbia | 146 | 120 | 112 | -23.3 | -6.7 |

Note: The Help-wanted Index is compiled from the number of help-wanted ads published in 22 newspapers in 20 major metropolitan areas and is considered an indicator of labour demand measuring companies' intentions to hire new workers. These indices have been seasonally adjusted and smoothed to ease month-to-month comparisons.

## Available on CANSIM: table 2770002.

For more information, or to enquire about the concepts, methods or data quality of this release, contact Gilles Groleau or Jean Leduc (1-866-873-8788; 613-951-4090; fax: 613-951-2869; labour@statcan.ca), Labour Statistics Division.

## Crude oil and natural gas

August 2001 (preliminary)
Crude oil production totalled 10888500 cubic metres in August, up 2.0\% from August 2000. Exports, which accounted for $58.4 \%$ of total production, fell $5.5 \%$.

Marketable natural gas production rose $3.9 \%$ from August 2000. The increase was mostly attributable to higher marketable production in British Columbia. Domestic sales fell 9.4\%; all three sectors (residential, commercial and industrial) recorded lower sales. Natural gas exports, which accounted for $66.2 \%$ of total marketable production, gained 13.9\%.

Crude oil and natural gas

|  | Aug. 2000 | Aug. 2001 | Aug. <br> 2000 <br> to <br> Aug. <br> 2001 |
| :---: | :---: | :---: | :---: |
|  | Thousands o | bic metres | \% change |
| Crude oil and equivalent hydrocarbons ${ }^{1}$ |  |  |  |
| Production | 10672.3 | 10888.5 | 2.0 |
| Exports | 6723.4 | 6353.9 | -5.5 |
| Imports ${ }^{2}$ | 4855.3 | 4378.5 | -9.8 |
| Refinery receipts | 8796.7 | 8841.7 | 0.5 |
|  | Millions of | ic metres | \% change |
| Natural gas ${ }^{3}$ |  |  |  |
| Marketable production | 13768.1 | 14299.7 | 3.9 |
| Exports | 8316.7 | 9470.2 | 13.9 |
| Canadian domestic sales ${ }^{4}$ | 4125.1 | 3737.7 | -9.4 |
|  | Jan. to Aug. 2000 | Jan. to <br> Aug. 2001 | Jan.-Aug 2000 to Jan.-Aug 2001 |
|  | Thousands o | bic metres | \% change |
| Crude oil and equivalent hydrocarbons ${ }^{1}$ |  |  |  |
| Production | 84885.9 | 85915.0 | 1.2 |
| Exports | 53721.7 | 53389.6 | -0.6 |
| Imports ${ }^{2}$ | $35837.7$ | $37087.3$ | 3.5 |
| Refinery receipts | 67026.2 | 69804.9 | 4.1 |
|  | Millions of cubic metres |  | \% change |
| Natural gas ${ }^{3}$ |  |  |  |
| Marketable production | 110028.8 | 114290.6 | 3.9 |
| Exports | 65714.7 | 73293.8 | 11.5 |
| Canadian domestic sales ${ }^{4}$ | 47492.3 | 44651.7 | -6.0 |

1 Disposition may differ from production because of inventory change, industry own-use, etc.
2 Crude oil received by Canadian refineries from foreign countries for processing. Data may differ from International Trade Division (ITD) estimates because of timing differences and the inclusion of crude oil landed in Canada for future re-export in the ITD data.
3 Disposition may differ from production because of inventory change, usage as pipeline fuel, pipeline losses, line-pack fluctuations, etc.
4 Includes direct sales.
Year-to-date production of crude oil to the end of August grew $1.2 \%$ compared with the same period of 2000 , but crude oil exports decreased $0.6 \%$.

Year-to-date marketable production of natural gas was up $3.9 \%$ compared with the same period in 2000. Natural gas exports were up $11.5 \%$, and domestic sales fell 6.0\%.

Available on CANSIM: tables 1260001 and 1310001.
The August 2001 issue of Supply and disposition of crude oil and natural gas (26-006-XPB, \$19/\$186) will be available in November. See How to order products.

To order data, or for general information, contact the dissemination officer (1-866-873-8789; 613-951-9497; energ@statcan.ca. For analytical information, or to enquire about the concepts, methods or data quality of this release, contact Gerry Desjardins (613-951-4368; desjger@statcan.ca) or Eleonore Harding (613-951-5708; hardele@statcan.ca), Manufacturing, Construction and Energy Division.

## Flows and stocks of fixed residential capital 2000

The annual fixed residential capital flows and stocks series at the provincial level for 2000 are now available.

## Available on CANSIM: table 300002.

For more information, or to enquire about the concepts, methods or data quality of these new series, contact Étienne Saint-Pierre (613-951-2025; saineti@statcan.ca), Investment and Capital Stock Division.

## NEW PRODUCTS

Which firms have high job vacancy rates in Canada?, no. 176
Catalogue number 11F0019MIE01176 (free).

Which firms have high job vacancy rates in Canada?, no. 176
Catalogue number 11F0019MPE (\$5/\$25).

Food consumption in Canada, Part II, 2000
Catalogue number 32-230-XIB (\$26).

Food consumption in Canada, Part II, 2000
Catalogue number 32-230-XPB (\$35).

Labour force information, week ending
October 20, 2001
Catalogue number 71-001-PIB (\$8/\$78).
Available at 7 am November 2

Labour force information, week ending
October 20, 2001
Catalogue number 71-001-PPB (\$11/\$103). Available at 7 am November 2

The quest for workers: A new portrait of job vacancies in Canada (The evolving workplace series), no. 2
Catalogue number 71-584-MIE01002 (free).

The quest for workers: A new portrait of job vacancies in Canada (The evolving workplace series), no. 2
Catalogue number 71-584-MPE (\$15).

All prices are in Canadian dollars and exclude sales tax. Additional shipping charges apply for delivery outside Canada.

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