Central Bank of Nigeria



Purchasing Managers' Index (PMI) Survey Report

Statistics Department

November 2019

PURCHASING MANAGERS' INDEX (PMI) NOVEMBER 2019 REPORT

1.0 Introduction

The November 2019 PMI survey was conducted by the Statistics Department of the Central Bank of Nigeria during the period November 12-18, 2019. The respondents were purchasing and supply executives of manufacturing and non-manufacturing organizations in all 36 states in Nigeria and the Federal Capital Territory (FCT). The Bank makes no representation regarding the individual companies, other than the information they have provided. The data contained herein further provides input for policy decisions.

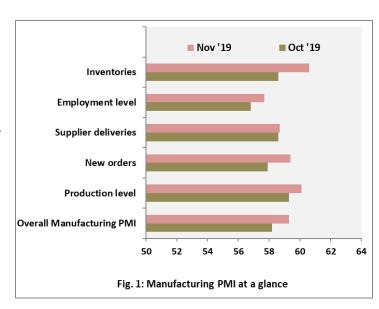
1.1 Data and Method of Presentation

The Manufacturing and Non-Manufacturing PMI Report on businesses is based on survey responses, indicating the changes in the level of business activities in the current month compared with the preceding month. For each of the indicators measured, this report shows the diffusion index of the responses. The diffusion index is computed as the percentage of responses with positive change plus half of the percentage of those reporting no change, except for supplier delivery time, which is computed as the percentage of responses with negative change plus half of the percentage of those reporting no change. The composite PMI for the manufacturing sector is computed as the weighted average of five diffusion indices, namely: production level, level of new orders, suppliers' delivery time, employment level and raw materials inventory/work in progress, with assigned weights of 25%, 30%, 15%, 10% and 20%, respectively. The composite PMI for the non-manufacturing sector is computed from four diffusion indices, namely: business activity, level of new orders, employment level and raw materials inventory, with equal weights of 25% each.

A composite PMI above 50 points indicates that the manufacturing/non-manufacturing economy is generally expanding, 50 points indicates no change and below 50 points indicates that it is generally contracting. The subsectors reporting growth are listed in the order of highest to lowest growth, while those reporting contraction are listed in the order of the highest to the lowest contraction.

2.0 Manufacturing PMI Report

Production level, new orders, supplier delivery time, employment level and raw materials inventories grew at a faster rate in November 2019



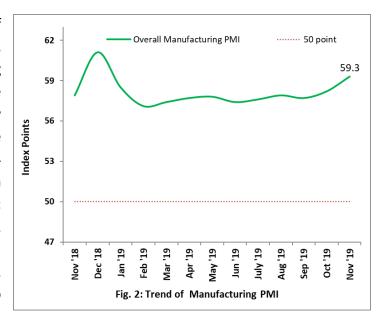
The Manufacturing PMI in the month of November stood at 59.3 index points, indicating expansion in the manufacturing sector for the thirty-second consecutive month (Fig. 2 and Table 1). The index grew at a faster rate when compared to the index in October. Thirteen of the 14 surveyed subsectors reported growth in the review month in the following order: transportation equipment; petroleum & coal products; furniture & related products; electrical equipment; plastics & rubber products; food, beverage & tobacco products; nonmetallic mineral products; printing & related support activities; fabricated metal cement; products; primary metal; chemical & pharmaceutical products; and textile, apparel, leather & footwear. The paper products subsector recorded decline in the review period (Fig. 2 and Table 1).

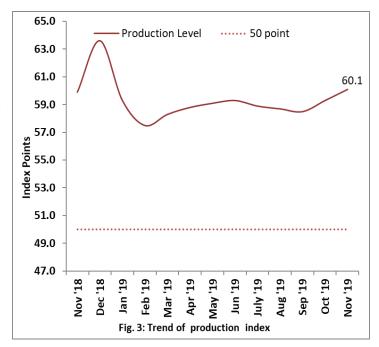
2.1 Production Level

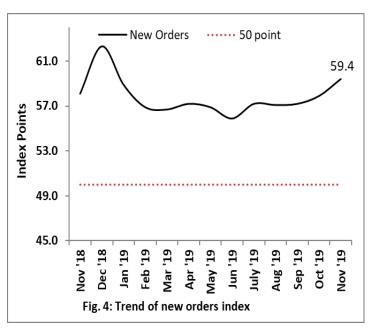
At 60.1 points, the production level index for manufacturing sector grew for the thirty-third consecutive month in November 2019. The index indicated a faster growth in the current month, when compared to its level in October 2019. Eleven of the 14 manufacturing subsectors recorded increased production level, while 3 recorded decline (Fig. 3 and Table 2).

2.2 New Orders

At 59.4 points, the new orders index grew for the thirty-second consecutive month, indicating increase in new orders in November 2019. The index grew at a faster rate, when compared to its level in October 2019. Ten subsectors reported growth, while 4 remained unchanged in the review month (Fig. 4 and Table 3).







2.3 Supplier Delivery Time

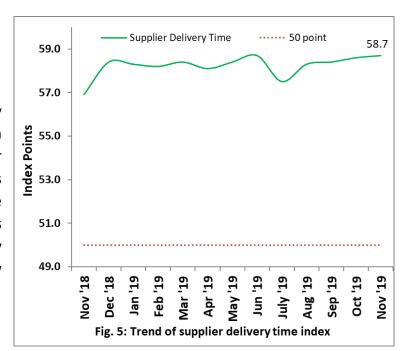
The manufacturing supplier delivery time index stood at 58.7 points in November 2019, indicating faster supplier delivery time. The index has recorded growth for thirty consecutive months. Twelve of the 14 subsectors recorded improved suppliers' delivery time, while 2 declined in the review period (Fig. 5 and Table 4).

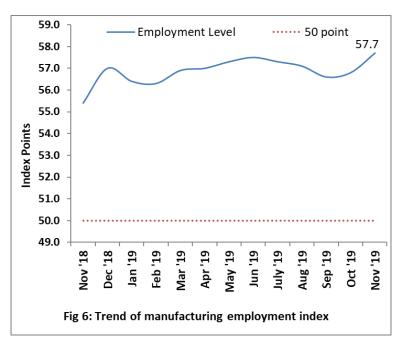
2.4 Employment Level

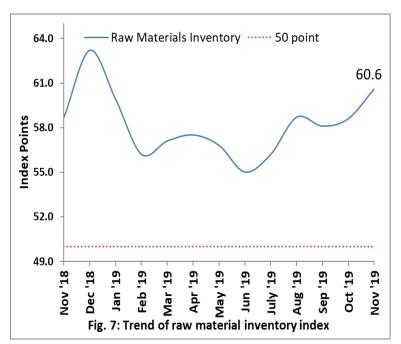
The employment level index for November 2019 stood at 57.7 points, indicating growth in employment level for the thirty-first consecutive month. Of the 14 subsectors, 10 reported increased employment level, 1 reported unchanged employment level while 3 reported decreased employment in the review month (Fig. 6 and Table 5).

2.5 Raw material Inventories

The Manufacturing sector inventories index grew for the thirty-second consecutive month in November 2019. At 60.6 points, the index grew at a faster rate when compared to its level in October 2019. Twelve of the 14 subsectors recorded growth, while 2 reported declined raw material inventories in the review month (Fig. 7 and Table 6).







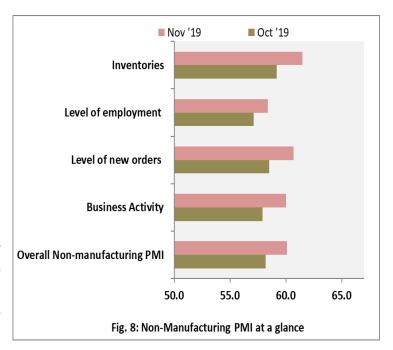
3.0 Non-Manufacturing PMI Report

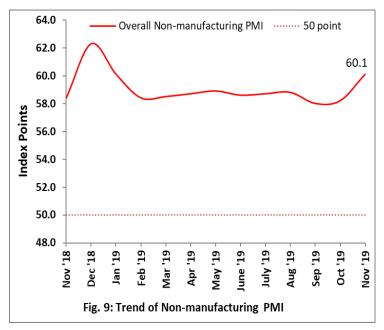
Business activity, new orders, employment level and inventories grew at a faster rate in November 2019

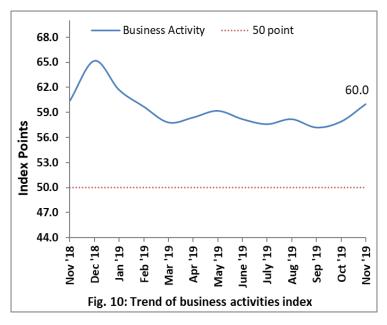
The composite PMI for the nonmanufacturing sector stood at 60.1 points in November 2019, indicating expansion in Non-manufacturing PMI for the thirtyfirst consecutive month. The index grew at a faster rate when compared to its level in October 2019. All 17 surveyed subsectors recorded growth in the following order: repair, maintenance/washing of motor vehicles; finance & insurance; management of companies; wholesale/retail trade; real estate rental & leasing; educational services; health care & social assistance; construction; transportation warehousing; accommodation & food utilities; agriculture; services; arts, entertainment & recreation; supply, sewage & waste management; professional, scientific, & technical services; information & communication; and electricity, gas, steam & conditioning supply (Fig. 9 and Table 7).

3.1 Business Activity

At 60.0 points, the business activity index grew for the thirty-second consecutive month, indicating expansion in non-manufacturing business activity in November 2019. Fourteen subsectors recorded growth in business activity, 2 remained unchanged, while 1 declined in the review month (Fig 10 Table 8).







3.2 New Orders

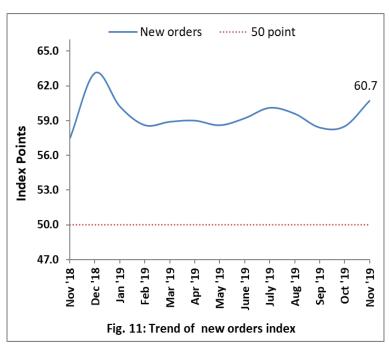
At 60.7 points, new orders index grew for the thirty-second consecutive month in November 2019. Twelve of the 17 surveyed subsectors recorded growth in new orders, 4 remained unchanged, while 1 recorded decline during the review period (Fig 11 Table 9).

3.3 Employment Level

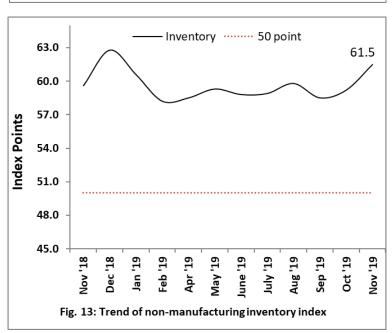
The employment level Index for the non-manufacturing sector stood at 58.4 indicating points, growth employment for the thirty-first consecutive month. Fourteen subsectors recorded growth employment level, 2 remained unchanged, while 1 subsector declined in the review period (Fig 12 Table 10).

3.4 Non-manufacturing Inventory

At 61.5 points, non-manufacturing inventory index grew for the thirty-first consecutive month, indicating growth in inventories in the review period. Of the 17 surveyed subsectors, 15 recorded higher inventories, 1 remained unchanged, while 1 recorded declining inventories in November 2019 (Fig 13, Table 11).







APPENDICES

Table 1: Details of Overall Manufacturing PMI

| Index | Oct 2019 | Nov 2019 | Difference | Direction | Rate of | Trend** (Months) |
|---------------------------------------|-------------|-------------|------------|-----------|------------|---------------------|
| | Index* | Index* | | | Change | <u> </u> |
| Composite PMI \1 | 58.2 | 59.3 | 1.1 | Growing | Faster | 32 |
| Production level | 59.3 | 60.1 | 0.8 | Growing | Faster | 33 |
| New orders | 57.9 | 59.4 | 1.5 | Growing | Faster | 32 |
| Supplier delivery time | 58.6 | 58.7 | 0.1 | Growing | Faster | 30 |
| Employment level | 56.8 | 57.7 | 0.9 | Growing | Faster | 31 |
| Raw materials/WIP Inventory | 58.6 | 60.6 | 2.0 | Growing | Faster | 32 |
| New Export Orders | 40.0 | 41.0 | 1.0 | Declining | Slower | 57 |
| Output Prices | 52.5 | 53.1 | 0.6 | Growing | Faster | 47 |
| Input Prices | 58.4 | 59.3 | 0.9 | Growing | Faster | 65 |
| Quantity of Purchases | 53.7 | 55.8 | 2.1 | Growing | Faster | 14 |
| Outstanding Business/Backlog of Work | 42.5 | 41.4 | -1.1 | Declining | Faster | 24 |
| Stock of Finished Goods | 53.1 | 53.1 | 0.0 | Growing | Flat | 20 |
| Manufacturing Sub-Sectors | | | | | | |
| Cement | 68.0 | 58.5 | 70.0 | Growing | Faster | 14 |
| Chemical & pharmaceutical products | 51.8 | 53.6 | 57.5 | Growing | Faster | 22 |
| Electrical equipment | 66.5 | 65.5 | 49.5 | Growing | Faster | 22 |
| Fabricated metal products | 62.7 | 57.4 | 52.2 | Growing | Faster | 17 |
| Food, beverage & tobacco products | 57.3 | 61.1 | 59.3 | Growing | Faster | 38 |
| Furniture & related products | 66.3 | 67.5 | 61.6 | Growing | Faster | 18 |
| Nonmetallic mineral products | 53.6 | 60.5 | 59.0 | Growing | Faster | 5 |
| Paper products | 49.2 | 47.5 | 59.2 | Declining | Slower | 4 |
| Petroleum & coal products | 72.5 | 69.4 | 61.3 | Growing | Faster | 8 |
| Plastics & rubber products | 53.0 | 62.4 | 57.6 | Growing | Faster | 16 |
| Primary metal | 51.9 | 56.0 | 48.2 | Growing | Faster | 5 |
| Printing & related support activities | 61.8 | 60.1 | 61.7 | Growing | Faster | 20 |
| Textile, apparel, leather & footwear | 60.6 | 50.3 | 53.9 | Growing | Faster | 4 |
| Transportation equipment | 51.3 | 75.0 | 49.4 | Growing | Faster | 15 |

^{\1} The composite PMI is a weighted average of the following diffusion indices: production level, new orders, supplier deliveries, employment level and inventories. The weights assigned to these variables are 25%, 30%, 15%, 10% and 20% respectively.

Table 2: Details of Production PMI

| Index | Oct 2019 Index | Nov 2019 Index | Difference | Direction | Rate of Change | Trend (Months) |
|---------------------------------------|----------------------|----------------------|------------|-----------|----------------------|-------------------|
| PRODUCTION PMI | 59.3 | 60.1 | 0.8 | Growing | Faster | 33 |
| Cement | 70.0 | 60.0 | -10.0 | Growing | Slower | 9 |
| Chemical & pharmaceutical products | 45.7 | 52.7 | 7.0 | Growing | From Contraction | 1 |
| Electrical equipment | 80.0 | 100.0 | 20.0 | Growing | Faster | 2 |
| Fabricated metal products | 72.2 | 62.5 | -9.7 | Growing | Slower | 9 |
| Food, beverage & tobacco products | 55.4 | 64.4 | 9.0 | Growing | Faster | 38 |
| Furniture & related products | 70.3 | 63.0 | -7.3 | Growing | Slower | 18 |
| Nonmetallic mineral products | 52.6 | 58.3 | 5.7 | Growing | Faster | 5 |
| Paper products | 44.4 | 44.4 | 0.0 | Declining | Flat | 2 |
| Petroleum & coal products | 100.0 | 75.0 | -25.0 | Growing | Slower | 8 |
| Plastics & rubber products | 52.0 | 60.5 | 8.5 | Growing | Faster | 3 |
| Primary metal | 45.8 | 45.0 | -0.8 | Declining | Faster | 5 |
| Printing & related support activities | 68.5 | 60.0 | -8.5 | Growing | Slower | 6 |
| Textile, apparel, leather & footwear | 66.7 | 43.1 | -23.6 | Declining | From Expansion | 1 |
| Transportation equipment | 75.0 | 100.0 | 25.0 | Growing | Faster | 3 |

^{*}The series index is a diffusion index defined as a weighted percentage of high, same and low with 1.0, 0.5 and 0.0 as weights respectively.

^{**} Number of month moving in current direction

Table 3: Details of New Orders PMI

| Index | Oct Nov 2019 2019 Difference Index Index | | Difference | Direction | Rate of Change | Trend (Months) |
|---------------------------------------|--|------|------------|-----------|----------------------|-------------------|
| NEW ORDERS PMI | 57.9 | 59.4 | 1.5 | Growing | Faster | 32 |
| Cement | 70.0 | 50.0 | -20.0 | No Change | From Expansion | 1 |
| Chemical & pharmaceutical products | 48.6 | 51.4 | 2.8 | Growing | From Contraction | 1 |
| Electrical equipment | 60.0 | 70.0 | 10.0 | Growing | Faster | 2 |
| Fabricated metal products | 63.9 | 52.8 | -11.1 | Growing | Slower | 6 |
| Food, beverage & tobacco products | 59.8 | 63.1 | 3.3 | Growing | Faster | 38 |
| Furniture & related products | 65.6 | 66.7 | 1.1 | Growing | Faster | 6 |
| Nonmetallic mineral products | 55.3 | 63.9 | 8.6 | Growing | Faster | 5 |
| Paper products | 38.9 | 50.0 | 11.1 | No Change | From Contraction | 1 |
| Petroleum & coal products | 50.0 | 50.0 | 0.0 | No Change | Flat | 2 |
| Plastics & rubber products | 52.0 | 57.9 | 5.9 | Growing | Faster | 5 |
| Primary metal | 45.8 | 65.0 | 19.2 | Growing | From Contraction | 1 |
| Printing & related support activities | 59.6 | 64.0 | 4.4 | Growing | Faster | 6 |
| Textile, apparel, leather & footwear | 59.5 | 50.0 | -9.5 | No Change | From Expansion | 1 |
| Transportation equipment | 50.0 | 83.3 | 33.3 | Growing | From No Change | 1 |

Table 4: Details of Supplier Delivery Time PMI

| Index | Oct Nov 2019 2019 Difference I Index Index | | Direction | Rate of Change | Trend (Months) | |
|---------------------------------------|--|------|-----------|----------------------|-------------------|----|
| SUPPLIER DELIVERY TIME PMI | 58.6 | 58.7 | 0.1 | Growing | Faster | 30 |
| Cement | 70.0 | 70.0 | 0.0 | Growing | Flat | 2 |
| Chemical & pharmaceutical products | 58.3 | 60.8 | 2.5 | Growing | Faster | 5 |
| Electrical equipment | 50.0 | 30.0 | -20.0 | Declining | From No Change | 1 |
| Fabricated metal products | 56.9 | 55.6 | -1.3 | Growing | Slower | 4 |
| Food, beverage & tobacco products | 56.3 | 54.1 | -2.2 | Growing | Slower | 17 |
| Furniture & related products | 67.2 | 72.2 | 5.0 | Growing | Faster | 12 |
| Nonmetallic mineral products | 65.8 | 61.8 | -4.0 | Growing | Slower | 19 |
| Paper products | 50.0 | 61.1 | 11.1 | Growing | From No Change | 1 |
| Petroleum & coal products | 50.0 | 62.5 | 12.5 | Growing | From No Change | 1 |
| Plastics & rubber products | 56.0 | 60.5 | 4.5 | Growing | Faster | 3 |
| Primary metal | 50.0 | 65.0 | 15.0 | Growing | From No Change | 1 |
| Printing & related support activities | 61.5 | 58.0 | -3.5 | Growing | Slower | 5 |
| Textile, apparel, leather & footwear | 64.3 | 69.0 | 4.7 | Growing | Faster | 3 |
| Transportation equipment | 50.0 | 33.3 | -16.7 | Declining | From No Change | 1 |

Table 5: Details of Employment Level PMI

| Index | Oct 2019 Index | Nov 2019 Index | Difference | Direction | Rate of Change | Trend (Months) |
|---------------------------------------|----------------------|----------------------|------------|-----------|----------------------|-------------------|
| EMPLOYMENT LEVEL PMI | 56.8 | 57.7 | 0.9 | Growing | Faster | 31 |
| Cement | 60.0 | 60.0 | 0.0 | Growing | Flat | 6 |
| Chemical & pharmaceutical products | 61.1 | 51.4 | -9.7 | Growing | Slower | 4 |
| Electrical equipment | 60.0 | 60.0 | 0.0 | Growing | Flat | 12 |
| Fabricated metal products | 56.9 | 59.7 | 2.8 | Growing | Faster | 2 |
| Food, beverage & tobacco products | 56.3 | 58.1 | 1.8 | Growing | Faster | 19 |
| Furniture & related products | 64.1 | 72.2 | 8.1 | Growing | Faster | 5 |
| Nonmetallic mineral products | 44.7 | 58.3 | 13.6 | Growing | From Contraction | 1 |
| Paper products | 66.7 | 38.9 | -27.8 | Declining | From Expansion | 1 |
| Petroleum & coal products | 75.0 | 87.5 | 12.5 | Growing | Faster | 2 |
| Plastics & rubber products | 56.0 | 68.4 | 12.4 | Growing | Faster | 3 |
| Primary metal | 62.5 | 45.0 | -17.5 | Declining | From Expansion | 1 |
| Printing & related support activities | 53.7 | 58.0 | 4.3 | Growing | Faster | 2 |
| Textile, apparel, leather & footwear | 50.0 | 44.8 | -5.2 | Declining | From No Change | 1 |
| Transportation equipment | 25.0 | 50.0 | 25.0 | No Change | From Contraction | 1 |

Table 6: Details of Raw Materials Inventory PMI

| Index | Oct 2019 Index | Nov 2019 Index | Difference | Direction | Rate of Change | Trend (Months) |
|---------------------------------------|----------------------|----------------------|------------|-----------|----------------------|-------------------|
| RAW MATERIALS INVENTORY PMI | 58.6 | 60.6 | 2.0 | Growing | Faster | 32 |
| Cement | 70.0 | 60.0 | -10.0 | Growing | Slower | 5 |
| Chemical & pharmaceutical products | 48.6 | 56.8 | 8.2 | Growing | From Contraction | 1 |
| Electrical equipment | 90.0 | 30.0 | -60.0 | Declining | From Expansion | 1 |
| Fabricated metal products | 55.6 | 56.9 | 1.3 | Growing | Faster | 3 |
| Food, beverage & tobacco products | 58.5 | 64.0 | 5.5 | Growing | Faster | 38 |
| Furniture & related products | 60.9 | 64.8 | 3.9 | Growing | Faster | 4 |
| Nonmetallic mineral products | 50.0 | 58.3 | 8.3 | Growing | From No Change | 1 |
| Paper products | 55.6 | 44.4 | -11.2 | Declining | From Expansion | 1 |
| Petroleum & coal products | 100.0 | 87.5 | -12.5 | Growing | Slower | 6 |
| Plastics & rubber products | 48.0 | 71.1 | 23.1 | Growing | From Contraction | 1 |
| Primary metal | 66.7 | 65.0 | -1.7 | Growing | Slower | 3 |
| Printing & related support activities | 68.5 | 56.0 | -12.5 | Growing | Slower | 7 |
| Textile, apparel, leather & footwear | 64.3 | 51.7 | -12.6 | Growing | Slower | 4 |
| Transportation equipment | 50.0 | 100.0 | 50.0 | Growing | From No Change | 1 |

Table 7: Non-Manufacturing at a Glance

| Index | Oct 2019 | Nov 2019 | Difference | Direction | Rate of | Trend (Months) |
|---|-------------|-------------|------------|-----------|------------------|-------------------|
| | Index | Index | | | Change | |
| Composite PMI \1 | 58.2 | 60.1 | 1.9 | Growing | Faster | 31 |
| Business Activity | 57.9 | 60.0 | 2.1 | Growing | Faster | 32 |
| Level of new orders/customers/incoming business | 58.5 | 60.7 | 2.2 | Growing | Faster | 32 |
| Employment Level | 57.1 | 58.4 | 1.3 | Growing | Faster | 31 |
| Inventories | 59.2 | 61.5 | 2.3 | Growing | Faster | 31 |
| Average price of Inputs (volume weighted) | 52.2 | 54.6 | 2.4 | Growing | Faster | 49 |
| Level of outstanding business/ Backlog of work | 42.9 | 43.6 | 0.7 | Declining | Slower | 65 |
| New Exports orders | 40.4 | 41.6 | 1.2 | Declining | Slower | 65 |
| mports | 41.7 | 41.9 | 0.2 | Declining | Slower | 65 |
| Inventory (sentiments) | 45.1 | 45.8 | 0.7 | Declining | Slower | 65 |
| Non-manufacturing sub-sectors | | | | | | |
| Accommodation & food services | 59.0 | 58.9 | -0.1 | Growing | Slower | 17 |
| Agriculture | 61.2 | 57.5 | -3.7 | Growing | Slower | 42 |
| Arts, Entertainment & Recreation | 47.9 | 56.3 | 8.4 | Growing | From Contraction | 1 |
| Construction | 57.7 | 60.7 | 3.0 | Growing | Faster | 14 |
| Educational services | 57.9 | 61.9 | 4.0 | Growing | Faster | 17 |
| Electricity, gas, steam & air conditioning supply | 50.9 | 50.1 | -0.8 | Growing | Slower | 13 |
| Finance & insurance | 59.7 | 62.8 | 3.1 | Growing | Faster | 33 |
| Health care & social assistance | 51.7 | 60.9 | 9.2 | Growing | Faster | 31 |
| nformation & communication | 57.6 | 53.3 | -4.3 | Growing | Slower | 32 |
| Management of companies | 45.8 | 62.5 | 16.7 | Growing | From Contraction | 1 |
| Professional, scientific, & technical services | 55.2 | 54.9 | -0.3 | Growing | Slower | 2 |
| Real estate rental & leasing | 63.5 | 62.0 | -1.5 | Growing | Slower | 21 |
| Repair, Maintenance/Washing Of Motor Vehicles | 68.1 | 66.5 | -1.6 | Growing | Slower | 18 |
| Transportation & warehousing | 64.0 | 60.5 | -3.5 | Growing | Slower | 6 |
| Utilities | 61.0 | 58.9 | -2.1 | Growing | Slower | 3 |
| Water supply, sewage & waste management | 53.4 | 56.3 | 2.9 | Growing | Faster | 2 |
| Wholesale/Retail trade | 58.9 | 62.4 | 3.5 | Growing | Faster | 30 |

\1 The composite PMI is a simple average of the following diffusion (series) indices: business activity, new orders, employment level and inventories

Table 8: Business activity at a Glance

| Index | Oct 2019 Index | Nov 2019 Index | Difference | Direction | Rate of Change | Trend (Months) |
|---|----------------------|----------------------|------------|-----------|----------------------|-------------------|
| BUSINESS ACTIVITY PMI | 57.9 | 60.0 | 2.1 | Growing | Faster | 32 |
| Accommodation & food services | 59.7 | 59.7 | 0.0 | Growing | Flat | 17 |
| Agriculture | 61.8 | 58.6 | -3.2 | Growing | Slower | 5 |
| Arts, Entertainment & Recreation | 58.3 | 62.5 | 4.2 | Growing | Faster | 7 |
| Construction | 54.3 | 60.0 | 5.7 | Growing | Faster | 13 |
| Educational services | 58.7 | 63.3 | 4.6 | Growing | Faster | 27 |
| Electricity, gas, steam & air conditioning supply | 50.0 | 53.8 | 3.8 | Growing | From No Change | 1 |
| Finance & insurance | 61.0 | 64.0 | 3.0 | Growing | Faster | 32 |
| Health care & social assistance | 50.7 | 60.4 | 9.7 | Growing | Faster | 14 |
| Information & communication | 56.1 | 45.0 | -11.1 | Declining | From Expansion | 1 |
| Management of companies | 50.0 | 66.7 | 16.7 | Growing | From No Change | 1 |
| Professional, scientific, & technical services | 47.7 | 52.3 | 4.6 | Growing | From Contraction | 1 |
| Real estate rental & leasing | 63.2 | 65.8 | 2.6 | Growing | Faster | 2 |
| Repair, Maintenance/Washing Of Motor Vehicles. | 66.7 | 69.2 | 2.5 | Growing | Faster | 14 |
| Transportation & warehousing | 65.8 | 60.5 | -5.3 | Growing | Slower | 6 |
| Utilities | 64.3 | 50.0 | -14.3 | No Change | From Expansion | 1 |
| Water supply, sewage & waste management | 50.0 | 50.0 | 0.0 | No Change | Flat | 2 |
| Wholesale/Retail trade | 58.0 | 60.4 | 2.4 | Growing | Faster | 17 |

Table 9: New Orders at a Glance

| Index | | Nov 2019 Index | Difference | Direction | Rate of Change | Trend (Months) |
|---|------|----------------------|------------|-----------|----------------------|-------------------|
| NEW ORDERS PMI | 58.5 | 60.7 | 2.2 | Growing | Faster | 32 |
| Accommodation & food services | 60.7 | 63.4 | 2.7 | Growing | Faster | 17 |
| Agriculture | 57.4 | 54.3 | -3.1 | Growing | Slower | 9 |
| Arts, Entertainment & Recreation | 66.7 | 50.0 | -16.7 | No Change | From Expansion | 1 |
| Construction | 55.7 | 58.6 | 2.9 | Growing | Faster | 13 |
| Educational services | 60.9 | 62.2 | 1.3 | Growing | Faster | 17 |
| Electricity, gas, steam & air conditioning supply | 46.7 | 53.6 | 6.9 | Growing | From Contraction | 1 |
| Finance & insurance | 58.0 | 62.9 | 4.9 | Growing | Faster | 33 |
| Health care & social assistance | 47.0 | 62.5 | 15.5 | Growing | From Contraction | 1 |
| Information & communication | 60.6 | 48.3 | -12.3 | Declining | From Expansion | 1 |
| Management of companies | 33.3 | 50.0 | 16.7 | No Change | From Contraction | 1 |
| Professional, scientific, & technical services | 59.1 | 58.7 | -0.4 | Growing | Slower | 2 |
| Real estate rental & leasing | 62.8 | 57.7 | -5.1 | Growing | Slower | 13 |
| Repair, Maintenance/Washing Of Motor Vehicles | 70.8 | 73.1 | 2.3 | Growing | Faster | 14 |
| Transportation & warehousing | 68.4 | 60.5 | -7.9 | Growing | Slower | 8 |
| Utilities | 50.0 | 50.0 | 0.0 | No Change | Flat | 3 |
| Water supply, sewage & waste management | 63.6 | 50.0 | -13.6 | No Change | From Expansion | 1 |
| Wholesale/Retail trade | 61.2 | 63.8 | 2.6 | Growing | Faster | 30 |

Table 10: Employment at a Glance

| Index | | Nov 2019 Index | Difference | Direction | Rate of Change | Trend (Months) |
|---|------|----------------------|------------|-----------|----------------------|-------------------|
| EMPLOYMENT LEVEL PMI | 57.1 | 58.4 | 1.3 | Growing | Faster | 31 |
| Accommodation & food services | 57.0 | 52.2 | -4.8 | Growing | Slower | 15 |
| Agriculture | 61.8 | 55.7 | -6.1 | Growing | Slower | 31 |
| Arts, Entertainment & Recreation | 25.0 | 50.0 | 25.0 | No Change | From Contraction | 1 |
| Construction | 55.7 | 58.6 | 2.9 | Growing | Faster | 14 |
| Educational services | 55.4 | 58.9 | 3.5 | Growing | Faster | 17 |
| Electricity, gas, steam & air conditioning supply | 53.3 | 50.0 | -3.3 | No Change | From Expansion | 1 |
| Finance & insurance | 62.5 | 64.0 | 1.5 | Growing | Faster | 30 |
| Health care & social assistance | 53.0 | 59.0 | 6.0 | Growing | Faster | 30 |
| Information & communication | 54.5 | 63.3 | 8.8 | Growing | Faster | 14 |
| Management of companies | 50.0 | 83.3 | 33.3 | Growing | From No Change | 1 |
| Professional, scientific, & technical services | 56.8 | 45.7 | -11.1 | Declining | From Expansion | 1 |
| Real estate rental & leasing | 61.5 | 61.5 | 0.0 | Growing | Flat | 2 |
| Repair, Maintenance/Washing Of Motor Vehicles | 66.7 | 65.4 | -1.3 | Growing | Slower | 7 |
| Transportation & warehousing | 60.5 | 57.9 | -2.6 | Growing | Slower | 2 |
| Utilities | 71.4 | 71.4 | 0.0 | Growing | Flat | 3 |
| Water supply, sewage & waste management | 45.5 | 60.0 | 14.5 | Growing | From Contraction | 1 |
| Wholesale/Retail trade | 54.8 | 60.7 | 5.9 | Growing | Faster | 18 |

Table 11: Inventory at a Glance

| Index | Oct 2019 Index | Nov 2019 Index | Difference | Direction | Rate of Change | Trend (Months) |
|---|----------------------|----------------------|------------|-----------|----------------------|-------------------|
| INVENTORY PMI | 59.2 | 61.5 | 2.3 | Growing | Faster | 31 |
| Accommodation & food services | 58.6 | 60.2 | 1.6 | Growing | Faster | 17 |
| Agriculture | 64.1 | 61.4 | -2.7 | Growing | Slower | 14 |
| Arts, Entertainment & Recreation | 41.7 | 62.5 | 20.8 | Growing | From Contraction | 1 |
| Construction | 65.2 | 65.7 | 0.5 | Growing | Faster | 17 |
| Educational services | 56.7 | 63.3 | 6.6 | Growing | Faster | 2 |
| Electricity, gas, steam & air conditioning supply | 53.6 | 42.9 | -10.7 | Declining | From Expansion | 1 |
| Finance & insurance | 57.1 | 60.1 | 3.0 | Growing | Faster | 22 |
| Health care & social assistance | 56.0 | 61.8 | 5.8 | Growing | Faster | 31 |
| Information & communication | 59.4 | 56.7 | -2.7 | Growing | Slower | 19 |
| Management of companies | 50.0 | 50.0 | 0.0 | No Change | Flat | 2 |
| Professional, scientific, & technical services | 57.1 | 63.0 | 5.9 | Growing | Faster | 2 |
| Real estate rental & leasing | 66.7 | 62.8 | -3.9 | Growing | Slower | 21 |
| Repair, Maintenance/Washing Of Motor Vehicles | 68.2 | 58.3 | -9.9 | Growing | Slower | 4 |
| Transportation & warehousing | 61.1 | 63.2 | 2.1 | Growing | Faster | 6 |
| Utilities | 58.3 | 64.3 | 6.0 | Growing | Faster | 3 |
| Water supply, sewage & waste management | 54.5 | 65.0 | 10.5 | Growing | Faster | 2 |
| Wholesale/Retail trade | 61.7 | 64.8 | 3.1 | Growing | Faster | 28 |

Table 12: Manufacturing PMI Data Series

| | z: ivianu | | .8 | | | | v | | | | | |
|---------------------|---------------|------------------|--------------|---------------------------|------------------|----------------------------|-------------------|---------------|--------------|--------------------------|-----------------|----------------------------|
| Month | COMPOSITE PMI | Production Level | New Orders | Supplier Delivery Time | Employment Level | Raw Materials Inventory | New Export Orders | Output Prices | Input Prices | Quantity of Purchases | Backlog of Work | Stock of Finished Goods |
| Jul '14 | 51.3 | 55.2 | 53.0 | 46.4 | 46.9 | 52.9 | 43.6 | 50.6 | 54.2 | 53.3 | 46.4 | 47.2 |
| Aug '14 | 49.7 | 49.7 | 51.2 | 49.9 | 45.9 | 52.2 | 40.8 | 48.6 | 52.7 | 50.8 | 45.4 | 48.6 |
| Sep '14 | 54.0 | 57.4 | 57.6 | 46.4 | 49.3 | 55.7 | 45.4 | 49.3 | 52.9 | 55.1 | 46.9 | 49.8 |
| Oct '14 Nov '14 | 51.9 52.2 | 55.1 55.1 | 55.3 56.9 | 46.2 45.1 | 46.8 47.2 | 52.4 51.7 | 45.9 46.0 | 49.7 53.3 | 56.7 60.9 | 57.1 56.0 | 50.5 50.0 | 51.7 47.6 |
| Dec '14 | 49.8 | 51.2 | 51.1 | 49.7 | 46.8 | 48.4 | 44.6 | 53.6 | 56.3 | 51.4 | 47.5 | 51.1 |
| Jan '15 | 50.2 | 50.4 | 49.3 | 51.3 | 51.1 | 49.3 | 47.7 | 48.7 | 55.6 | 52.5 | 48.8 | 45.5 |
| Feb '15 | 53.0 | 57.4 | 54.7 | 43.8 | 50.0 | 56.4 | 50.1 | 54.0 | 60.9 | 58.0 | 50.7 | 53.7 |
| Mar '15 | 48.9 | 52.1 | 48.9 | 47.8 | 46.4 | 47.1 | 38.1 | 50.1 | 56.4 | 48.7 | 44.5 | 46.5 |
| Apr '15 | 52.0 | 56.9 | 54.1 | 42.7 | 48.9 | 53.9 | 43.0 | 50.2 | 54.4 | 53.0 | 48.3 | 48.7 |
| May '15 | 49.4 | 53.6 | 49.7 | 44.6 | 48.0 | 48.0 | 36.9 | 51.6 | 59.0 | 50.5 | 44.9 | 45.6 |
| Jun '15 | 49.5 | 51.5 | 50.8 | 42.0 | 48.5 | 53.3 | 40.0 | 49.2 | 56.7 | 53.0 | 45.3 | 49.3 |
| Jul '15 | 47.8 | 49.7 | 46.2 | 43.5 | 48.4 | 52.6 | 40.1 | 47.9 | 55.0 | 51.7 | 45.2 | 45.3 |
| Aug '15 | 48.4 | 51.0 | 50.1 | 43.1 | 44.8 | 52.4 | 37.6 | 49.0 | 53.1 | 50.2 | 43.7 | 46.1 |
| Sep '15 Oct '15 | 50.7 49.2 | 54.9 52.0 | 52.1 49.3 | 46.8 42.7 | 47.1 48.4 | 49.0 53.1 | 40.3 39.8 | 47.5 49.1 | 52.8 53.8 | 51.0 48.3 | 42.5 45.6 | 43.2 46.8 |
| Nov '15 | 51.2 | 55.4 | 52.9 | 47.3 | 45.5 | 52.2 | 39.8 | 49.1 | 52.8 | 51.0 | 45.6 | 46.8 |
| Dec '15 | 51.2 | 55.4 | 52.7 | 45.2 | 47.5 | 52.7 | 38.0 | 48.6 | 56.5 | 54.5 | 45.1 | 46.4 |
| Jan 16 | 47.2 | 49.3 | 46.2 | 48.4 | 46.0 | 45.8 | 38.3 | 52.6 | 56.7 | 49.9 | 44.2 | 46.3 |
| Feb '16 | 45.5 | 45.0 | 43.0 | 52.8 | 45.0 | 44.7 | 39.2 | 53.0 | 57.0 | 42.8 | 38.5 | 44.4 |
| Mar '16 | 45.9 | 46.6 | 43.0 | 50.6 | 45.5 | 47.1 | 37.8 | 56.4 | 60.9 | 41.6 | 41.2 | 43.8 |
| Apr '16 | 43.7 | 42.7 | 41.8 | 52.2 | 42.0 | 43.0 | 36.3 | 63.9 | 67.8 | 43.6 | 42.6 | 41.6 |
| May '16 | 45.8 | 47.9 | 42.7 | 50.2 | 45.7 | 43.9 | 38.7 | 59.6 | 68.4 | 42.7 | 37.0 | 40.1 |
| Jun '16 | 41.9 | 40.2 | 37.0 | 55.6 | 42.2 | 39.4 | 35.3 | 61.4 | 70.0 | 39.0 | 40.2 | 36.0 |
| Jul '16 | 44.1 | 43.0 | 42.4 | 51.7 | 43.8 | 41.4 | 38.5 | 60.8 | 64.2 | 41.6 | 41.9 | 39.0 |
| Aug '16 | 42.1 42.5 | 40.5 | 37.5 38.7 | 57.4 | 40.4 41.2 | 40.0 | 31.2 | 64.1 | 69.8 | 39.9 42.8 | 38.3 37.1 | 38.3 42.4 |
| Sep '16 Oct '16 | 44.1 | 40.9 42.3 | 40.3 | 55.6 57.7 | 41.2 | 40.9 42.9 | 26.3 37.3 | 66.5 65.2 | 74.0 71.8 | 43.5 | 37.1 | 39.9 |
| Nov '16 | 46.0 | 46.9 | 45.1 | 53.2 | 40.6 | 46.1 | 39.6 | 65.7 | 71.3 | 48.1 | 45.2 | 42.0 |
| Dec '16 | 52.0 | 57.6 | 51.8 | 47.9 | 48.6 | 51.6 | 37.2 | 70.4 | 73.2 | 52.7 | 45.3 | 48.5 |
| Jan '17 | 48.2 | 51.3 | 47.9 | 48.5 | 45.3 | 46.3 | 33.1 | 67.9 | 71.4 | 48.4 | 43.6 | 46.9 |
| Feb '17 | 44.6 | 45.2 | 44.0 | 48.7 | 41.7 | 44.8 | 38.4 | 69.9 | 70.9 | 47.7 | 43.2 | 43.9 |
| Mar '17 | 47.7 | 50.8 | 45.6 | 51.3 | 43.6 | 49.1 | 38.5 | 65.0 | 68.3 | 50.1 | 43.6 | 45.1 |
| Apr '17 | 51.1 | 58.5 | 50.1 | 47.5 | 46.6 | 50.6 | 37.7 | 65.1 | 69.2 | 45.1 | 40.0 | 46.4 |
| May '17 | 52.5 | 58.7 | 50.5 | 49.9 | 50.7 | 50.8 | 37.6 | 61.3 | 68.4 | 46.1 | 42.3 | 51.8 |
| June '17 | 52.9 54.1 | 58.2 | 51.0 | 50.3 | 51.1 51.8 | 52.3 53.6 | 32.6 | 62.7 60.4 | 66.6 64.1 | 46.2 48.0 | 43.9 42.1 | 49.1 48.5 |
| July '17 Aug '17 | 53.6 | 59.3 57.4 | | 51.3 52.0 | 51.8 | 54.9 | 37.5 36.7 | 58.8 | 64.1 | 48.0 | 47.9 | 51.6 |
| Sep '17 | 55.3 | 58.8 | 53.5 | 55.4 | 52.8 | 56.4 | 30.4 | 58.2 | 65.7 | 49.4 | 51.9 | 50.4 |
| Oct '17 | 55.0 | 58.4 | 52.8 | 55.5 | 53.1 | 56.5 | 35.5 | 55.4 | 62.7 | 49.6 | 50.8 | 50.0 |
| Nov '17 | 55.9 | 59.3 | 54.3 | 56.0 | 53.7 | 57.1 | 37.6 | 54.0 | 64.3 | 48.1 | 50.0 | 48.8 |
| Dec '17 | 59.3 | 63.2 | 60.0 | 57.4 | 53.9 | 61.1 | 40.2 | 54.3 | 63.4 | 53.6 | 45.7 | 47.4 |
| Jan '18 | 57.3 | 59.6 | 58.3 | 56.8 | 53.3 | 57.7 | 35.1 | 55.0 | 63.3 | 49.1 | 42.9 | 45.4 |
| Feb '18 | 56.3 | 57.8 | 55.6 | 57.0 | 53.9 | 58.1 | 42.0 | 55.9 | 65.4 | 54.3 | 37.6 | 53.3 |
| Mar '18 | 56.7 | 59.1 | 56.1 | 56.6 | 53.3 | 59.4 | 36.4 | 52.1 | 61.1 | 54.1 | 42.1 | 48.7 |
| Apr '18 | 56.9 | 58.6 | 55.8 | 57.4 | 55.0 55.2 | 59.5 | 37.6 | 51.3 | 62.4 | 52.9 | 41.4 | 51.1 |
| May '18 June '18 | 56.5 57.0 | 58.8 59.2 | 54.9 56.2 | 57.5 56.5 | 55.4 | 58.1 57.7 | 40.1 37.6 | 53.9 53.8 | 61.8 61.9 | 50.8 47.6 | 38.5 38.0 | 55.8 51.1 |
| July '18 | 56.8 | 59.0 | | 56.8 | 55.0 | 57.4 | 39.4 | 52.3 | 60.7 | 51.1 | 40.7 | 51.3 |
| Aug '18 | 57.1 | 59.3 | 56.9 | 55.9 | 55.5 | 57.1 | 39.7 | 50.1 | 59.3 | 50.1 | 43.1 | 50.7 |
| Sep '18 | 56.2 | 58.4 | 55.3 | 56.1 | 54.9 | 55.9 | 37.1 | 52.4 | 57.5 | 49.4 | 42.2 | 50.5 |
| Oct '18 | 56.8 | 58.9 | 56.8 | 56.4 | 54.8 | 56.2 | 39.9 | 51.2 | 56.7 | 50.9 | 39.6 | 51.5 |
| Nov '18 | 57.9 | 59.9 | 58.1 | 56.9 | 55.4 | 58.7 | 41.2 | 51.9 | 57.8 | 52.2 | 40.0 | 53.8 |
| Dec '18 | 61.1 | 63.6 | 62.3 | 58.4 | 57.0 | 63.2 | 42.1 | 51.6 | 61.3 | 56.1 | 41.7 | 50.6 |
| Jan '19 | 58.5 | 59.3 | 58.9 | 58.3 | 56.4 | 59.9 | 41.4 | 52.5 | 62.2 | 52.5 | 42.1 | 52.3 |
| Feb '19 | 57.1 | 57.5 | 56.9 | 58.2 | 56.3 | 56.2 | 39.7 | 53.7 | 60.9 | 52.1 | 44.1 | 55.4 |
| Mar '19 Apr '19 | 57.4 | 58.3 | 56.7 | 58.4 | 56.9 | 57.1 | 47.9 | 62.3 | 57.6 | 51.8 | 47.6 | 60.7 54.4 |
| Apr 19 May '19 | 57.7 57.8 | 58.8 59.1 | 57.2 56.9 | 58.1 58.4 | 57.0 57.3 | 57.5 56.8 | 37.4 37.7 | 52.4 52.3 | 60.2 62.2 | 57.3 51.5 | 44.5 40.8 | 54.4 |
| June '19 | 57.8 57.4 | 59.1 | 55.9 | 58.7 | 57.5 | 55.0 | 38.0 | 52.3 | 62.7 | 52.1 | 40.8 | 51.5 |
| July '19 | 57.6 | 58.9 | 57.2 | 57.5 | 57.3 | 56.2 | 41.1 | 52.2 | 59.5 | 52.5 | 41.8 | 51.5 |
| Aug '19 | 57.9 | 58.7 | 57.1 | 58.3 | 57.1 | 58.7 | 39.9 | 50.3 | 57.0 | | 42.4 | 52.1 |
| Sep '19 | 57.7 | 58.5 | 57.2 | 58.4 | 56.6 | 58.1 | 39.0 | 51.9 | 58.8 | 50.7 | 43.9 | 53.5 |
| Oct '19 | 58.2 | 59.3 | 57.9 | 58.6 | 56.8 | 58.6 | 40.0 | 52.5 | 58.4 | 53.7 | 42.5 | 53.1 |
| Nov '19 | 59.3 | 60.1 | 59.4 | 58.7 | 57.7 | 60.6 | 41.0 | 53.1 | 59.3 | 55.8 | 41.4 | 53.1 |

Table 13: Non-Manufacturing PMI Data Series

| Table 13. | INOII-IVIA | IIuIactui | ing Pivii L | ata Serie | | | | | | |
|--------------------|--------------|----------------------|--------------|---------------------|--------------|------------------------|--------------------|-----------------------|--------------|----------------------------|
| Month | COMPOSITE | Business Activity | New orders | Employment Level | Inventory | Average Input Price | Backlog of Work | New Exports Orders | Imports | Inventories (sentiment) |
| Jul '14 | 55.0 | 58.9 | 55.9 | 50.2 | 55.2 | 54.0 | 46.2 | 44.0 | 47.3 | 47.8 |
| Aug '14 | 58.9 | 60.6 | 59.8 | 58.3 | 57.0 | 56.1 | 47.0 | 46.1 | 46.4 | 48.1 |
| Sep '14 | 54.7 | 57.1 | 57.5 | 49.9 | 54.3 | 52.8 | 46.2 | 40.7 | 45.2 | 47.6 |
| Oct '14 | 57.3 | 59.6 | 59.4 | 53.9 | 56.4 | 53.3 | 46.4 | 40.8 | 44.9 | 43.8 |
| Nov '14 | 59.6 | 62.5 | 63.6 | 57.9 | 54.6 | 57.3 | 49.6 | 45.2 | 47.5 | 48.1 |
| Dec '14 | 53.8 | 56.2 | 56.0 | 51.4 | 51.5 | 54.5 | 45.6 | 43.6 | 46.5 | 43.8 |
| Jan '15 | 50.6 | 48.8 | 50.4 | 51.2 | 51.9 | 48.8 | 43.2 | 41.1 | 44.3 | 47.0 |
| Feb '15 Mar '15 | 54.0 | 54.2 49.7 | 54.7 51.1 | 52.5 45.6 | 54.5 48.0 | 54.1 | 46.0 | 43.0 | 44.6 | 46.1 40.2 |
| Apr '15 | 48.6 53.7 | 58.2 | 56.8 | 49.1 | 50.8 | 49.8 51.5 | 46.5 46.6 | 39.9 41.1 | 44.2 44.5 | 43.0 |
| May '15 | 51.7 | 52.9 | 53.1 | 49.7 | 51.1 | 51.3 | 44.1 | 37.2 | 39.1 | 44.3 |
| Jun '15 | 50.1 | 51.5 | 50.3 | 46.4 | 52.0 | 48.5 | 44.4 | 36.9 | 40.4 | 42.7 |
| Jul '15 | 50.0 | 50.4 | 51.4 | 48.6 | 49.5 | 50.3 | 43.8 | 39.1 | 39.2 | 44.0 |
| Aug '15 | 50.7 | 52.3 | 52.4 | 48.0 | 50.1 | 50.7 | 43.0 | 39.8 | 38.3 | 44.0 |
| Sep '15 | 50.1 | 52.1 | 52.3 | 47.0 | 49.1 | 48.7 | 44.5 | 42.9 | 41.4 | 45.9 |
| Oct '15 | 51.9 | 54.2 | 54.1 | 49.3 | 50.1 | 49.9 | 43.9 | 40.3 | 42.4 | 45.2 |
| Nov '15 | 49.6 | 52.9 | 51.6 | 45.6 | 48.5 | 51.8 | 42.8 | 37.7 | 39.0 | 41.8 |
| Dec '15 | 53.4 | 55.9 | 56.4 | 50.0 | 51.5 | 54.7 | 47.0 | 41.9 | 42.7 | 47.2 |
| Jan 16 | 46.9 | 46.2 | 46.4 | 47.0 | 47.9 | 57.3 | 44.3 | 36.2 | 39.0 | 41.6 |
| Feb '16 | 44.3 | 43.7 | 42.0 | 44.5 | 47.1 | 53.6 | 39.6 | 37.5 | 36.6 | 43.6 |
| Mar '16 | 45.4 | 46.3 | 44.7 | 43.9 | 46.5 | 58.5 | 43.8 | 34.3 | 35.0 | 41.1 |
| Apr '16 | 44.3 | 44.2 | 42.2 | 43.3 | 47.6 | 62.2 | 43.1 | 31.8 | 33.1 | 39.8 |
| May '16 | 44.3 | 44.3 | 41.3 | 44.6 | 46.9 | 62.9 | 38.1 | 33.2 | 35.0 | 40.3 |
| Jun '16 | 42.3 | 40.2 | 39.6 | 42.5 | 47.1 | 60.7 | 39.6 | 33.2 | 34.7 | 38.5 |
| Jul '16 | 43.2 | 42.8 | 42.3 | 41.9 | 45.8 | 60.4 | 38.6 | 30.0 | 32.7 | 38.0 |
| Aug '16 | 43.7 | 43.6 | 42.0 | 41.4 | 47.7 | 60.8 | 39.4 | 32.9 | 34.2 | 39.4 |
| Sep '16 | 41.0 | 39.9 | 40.0 | 40.3 | 43.9 | 63.1 | 39.6 | 28.6 | 30.2 | 37.9 |
| Oct '16 | 43.4 | 43.0 | 42.7 | 41.5 | 46.4 45.5 | 65.3 | 40.9 | 32.8 | 33.8 | 38.7 |
| Nov '16 Dec '16 | 42.8 47.1 | 43.0 48.2 | 42.3 46.9 | 40.2 43.8 | 45.5 49.5 | 66.8 64.0 | 42.4 41.5 | 30.8 33.8 | 34.0 35.5 | 41.1 41.6 |
| Jan '17 | 49.4 | 50.6 | 49.4 | 45.6 45.6 | 52.0 | 65.6 | 43.6 | 32.5 | 36.1 | 45.5 |
| Feb '17 | 44.5 | 45.4 | 44.9 | 42.6 | 44.9 | 65.4 | 42.9 | 33.4 | 34.5 | 38.7 |
| Mar '17 | 47.1 | 49.8 | 46.4 | 44.0 | 48.0 | 62.1 | 42.7 | 33.1 | 34.5 | 40.6 |
| Apr '17 | 49.5 | 53.3 | 50.5 | 45.5 | 48.6 | 63.1 | 41.6 | 29.2 | 33.2 | 41.1 |
| May '17 | 52.7 | 56.2 | 53.2 | 50.2 | 51.4 | 62.7 | 45.3 | 31.6 | 34.1 | 43.6 |
| June '17 | 54.2 | 57.0 | 54.6 | 53.4 | 51.8 | 58.6 | 40.5 | 30.3 | 33.5 | 42.7 |
| July '17 | 54.4 | 56.8 | 55.1 | 54.0 | 51.9 | 58.1 | 42.9 | 32.0 | 36.8 | 41.5 |
| Aug '17 | 54.1 | 56.1 | 53.5 | 54.4 | 52.3 | 54.5 | 42.8 | 34.5 | 34.8 | 42.0 |
| Sep '17 | 54.9 | 56.8 | 55.4 | 54.7 | 52.9 | 56.9 | 42.2 | 31.2 | 35.9 | 44.2 |
| Oct '17 | 55.3 | 57.5 | 55.7 | 54.4 | 53.4 | 56.4 | 41.4 | 29.6 | 35.4 | 38.9 |
| Nov '17 | 57.6 | 59.4 | 58.4 | 54.6 | 58.0 | 55.7 | 43.6 | 28.8 | 33.3 | 40.6 |
| Dec '17 | 62.1 | 67.4 | 62.2 | 55.7 | 62.9 | 56.1 | 44.6 | 34.6 | 39.1 | 40.3 |
| Jan '18 | 58.5 | 61.3 | 58.2 | 55.1 | 59.5 | 56.9 | 41.3 | 31.0 | 35.1 | 42.8 |
| Feb '18 | 56.1 | 55.6 | 53.7 | 55.3 | 59.8 | 52.8 | 41.2 | 34.7 | 39.1 | 40.3 |
| Mar '18 Apr '18 | 57.2 57.5 | 58.7 58.8 | 55.8 56.4 | 55.1 55.3 | 59.2 59.5 | 50.3 50.3 | 42.9 41.5 | 39.0 34.2 | 38.5 34.9 | 44.1 45.0 |
| May '18 | 57.3 | 58.7 | 55.9 | 55.6 | 59.2 | 50.8 | 40.6 | 36.4 | 38.4 | 46.2 |
| June '18 | 57.5 | 59.1 | 56.4 | 55.9 | 58.5 | 52.2 | 44.0 | 33.2 | 40.1 | 42.4 |
| July '18 | 57.7 | 59.6 | 56.1 | 56.2 | 59.1 | 52.1 | 43.1 | 42.1 | 40.5 | 45.0 |
| Aug '18 | 58.0 | 59.3 | 56.9 | 56.7 | 58.9 | 50.8 | 43.3 | 40.1 | 40.3 | 44.8 |
| Sep '18 | 56.5 | 58.1 | 55.8 | 55.4 | 56.8 | 50.2 | 41.5 | 40.3 | 41.3 | 45.7 |
| Oct '18 | 57.0 | 58.3 | 56.4 | 55.7 | 57.6 | 50.7 | 42.8 | 39.7 | 42.2 | 45.5 |
| Nov '18 | 58.4 | 60.4 | 57.5 | 56.2 | 59.6 | 52.6 | 42.0 | 38.7 | 39.4 | 45.9 |
| Dec '18 | 62.3 | 65.2 | 63.1 | 57.9 | 62.8 | 52.4 | 42.7 | 42.0 | 41.3 | 45.8 |
| Jan '19 | 60.1 | 61.7 | 60.2 | 57.7 | 60.6 | 52.2 | 40.1 | 38.1 | 40.4 | 45.5 |
| Feb '19 | 58.4 | 59.7 | 58.6 | 57.3 | 58.2 | 50.3 | 38.8 | 36.2 | 42.2 | 44.6 |
| Mar '19 | 58.5 | 57.8 | 58.9 | 57.8 | 59.5 | 50.5 | 40.3 | 39.4 | 38.7 | 44.2 |
| Apr '19 | 58.7 | 58.4 | 59.0 | 58.7 | 58.5 | 52.1 | 43.5 | 38.8 | 40.8 | 45.0 |
| May '19 | 58.9 | 59.2 | 58.6 | 58.5 | 59.3 | 51.3 | 42.3 | 39.8 | 43.2 | 44.5 |
| June '19 | 58.6 | 58.2 | 59.2 | 58.3 | 58.8 | 52.1 | 40.3 | 43.0 | 45.3 | 46.1 |
| July '19 | 58.7 | 57.6 | 60.1 | 58.0 | 58.9 | 51.7 | 41.4 | 42.0 | 43.9 | 46.6 |
| Aug '19 | 58.8 | 58.2 | 59.6 | 57.8 | 59.8 | 51.2 | 45.1 | 44.1 | 45.2 | 48.1 |
| Sep '19 | 58.0 | 57.2 | 58.4 | 58.0 | 58.5 | 51.9 | 45.5 | 42.4 | 45.7 | 48.7 |
| Oct '19 Nov '19 | 58.2 60.1 | 57.9 60.0 | 58.5 | 57.1 | 59.2 | 52.2 54.6 | 42.9 | 40.4 | 41.7 | 45.1 |
| 140A TA | 60.1 | 60.0 | 60.7 | 58.4 | 61.5 | 54.6 | 43.6 | 41.6 | 41.9 | 45.8 |