## Scotiabank.

### **GLOBAL ECONOMICS**

#### **SCOTIA FLASH**

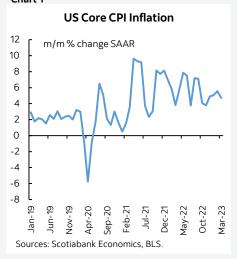
April 12, 2023

#### **Contributors**

#### **Derek Holt**

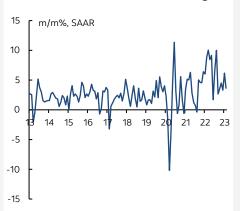
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#### Chart 1



#### Chart 2

#### **US CPI Core Services Ex-Housing**



Sources: Scotiabank Economics, Bloomberg.

### **US Core CPI Adds to the Case for More Fed Hikes**

- Core CPI was hot again...
- ...including the CPI analog to Powell's favoured gauge...
- ....which keeps the Fed on tack for another hike
- Why markets saw it differently

#### US headline / core CPI, m/m % change, SA, March:

Actual: 0.1 / 0.4 Scotia: 0.2 / 0.3 Consensus: 0.2 / 0.4 Prior: 0.4 / 0.5

US core inflation remains hot with no satisfying progress toward achieving the Fed's 2% inflation target. So why did markets react the way they did, at least so far?

The 2-year Treasury yield fell by about 19bps at first and has cut that to 10bps. S&P equity futures initially spiked 0.9% higher post-data but have reined that in to about half of the initial rally. The dollar depreciated by about ½% on a DXY basis.

One possibility is that markets had been positioned for an even hotter core reading than the hot reading we got and so off-base position squaring swung around in the opposite direction. Another possibility is that traders looked at the wrong number again—like they did with Eurozone figures earlier this year—by reacting to a one-tick downward surprise to headline CPI at 0.1% m/m. I guess a third possibility is that markets are still looking at the year-over-year measure that saw headline inflation drop by a full percentage point to 5% even though the year-over-year core gauge moved up a tick to 5.6% Who knows, maybe traders typed 'what should I do after CPI' into ChatGPT and it told them to buy 2s. Either way, I don't view the market reaction as indicative of how the FOMC will take the numbers.

Key is that core CPI excluding food and energy was up by 0.4% m/m and when annualized translates into a 4.7% m/m annualized rate (chart 1). The 3-month moving average is now set at 5.11% which is basically unchanged from the prior month's 5.17%. Underlying price pressures remain quite firm and way above the Fed's 2% PCE target.

We also see that in the CPI analog to Chair Powell's favourite measure which is core PCE services inflation excluding housing. The CPI proxy for this was up by 3.6% m/m SAAR in March. It had surged by 6.2% in February as the hottest reading since September so call it cooler if you wish, but the smoothed 3-month moving average trend only ebbed by three-tenths to 4.4% at a seasonally adjusted and annualized rate. The trend remains too hot for the FOMC's comfort (chart 2).

Charts 3 and 4 show the breakdown of m/m price changes by category and the weighted contributions to the overall change in CPI respectively. Charts 5 and 6 do the same things for the year-over-year rates that are more driven by base effects as opposed to the m/m pressures that indicate fresher evidence of inflationary pressures at the margin.

Charts 7 through 13 break down select parts of the basket.

The accompanying table provides a richer breakdown of the basket including micro charts and z-score measures of deviations from historical averages.

Overall we have firm core CPI inflation and nonfarm payrolls and the decision on May 3rd may have enough evidence to go with in support of +25bps. Next up will be Q1 GDP on April 27th and core PCE inflation on the 28th.

#### Chart 3

### **March Changes in US Headline CPI Categories**

#### Airline Fare Lodging Away from Home Miscellaneous Personal Goods Day Care & Preschool Cable & Satellite TV Vehicle Insurance Camera Equipment Men's Apparel Internet Service Providers Other Meats Toys **Appliances** Cigarettes Cereals & Cereal Products Pet Services Rent of Primary Residence Owner's Equivalent Rent Women's Apparel **Nursing Homes** Other Food at Home New Cars & Trucks Other Household Equipment Parking Fees Plumbing Maintenance Elementary & High School... Dental Services Tools & Outdoor Equipment Non Alcoholic Beverages Miscellaneous Personal Services College Tuition Postage & Delivery Services **Prescription Drugs Professional School Tuition Sporting Goods** Physicians' Services **Dairy Products** Alcoholic Beverages at Home A/V Products Jewelry & Watches Processed Fruits & Vegetables Infant & Toddler Apparel Beef **Hospital Services** Footwear Other Recreation Services Electricity Other Intercity Transportation **Used Cars & Trucks** Pork Fish & Seafood Telephone Hardware **Educational Books** Fresh Fruits Fresh Vegetables Fuel Oil & Oil Fuels Computers m/m % Car & Truck Rental change in Gasoline CPI, SA **Utility Gas Service**

-12 -10 -8 -6

Sources: Scotiabank Economics, US BLS.

-4 -2 0

2 4 6

#### Chart 4

### March Weighted Contributions to Monthly Change in US Headline CPI

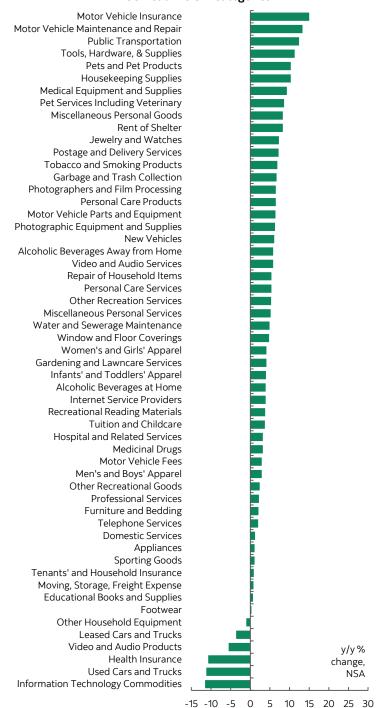


Sources: Scotiabank Economics, US BLS.



#### Chart 5

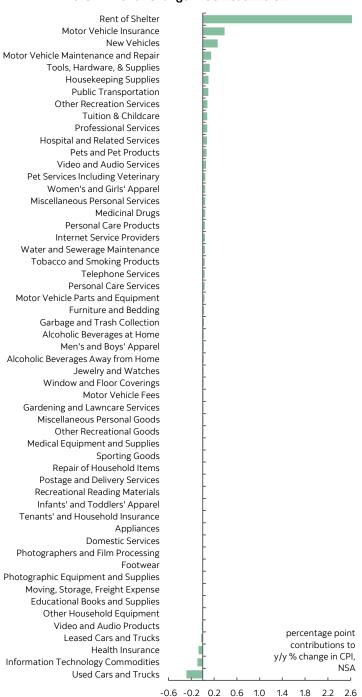
## March 12-Month Changes in US Headline CPI Categories



Sources: Scotiabank Economics, BLS.

#### Chart 6

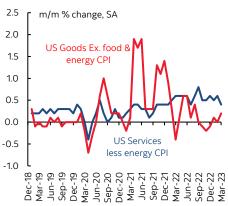
# March Weighted Contributions to the 12-Month Change in US Headline CPI



Source: Scotiabank Economics, BLS.

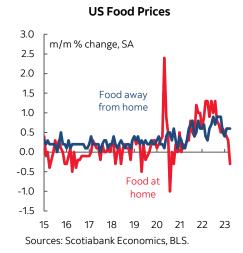
#### Chart 7

## US Goods vs Services Inflation

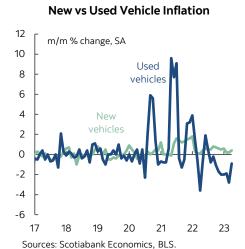


Sources: Scotiabank Economics, BLS.

#### Chart 8



#### Chart 9

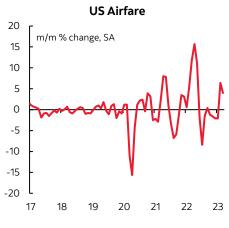


#### Chart 10

**US Apparel** 2 m/m % change, SA 1 0 -1 -2 -3 -4 17 18 19 20 21 22 23

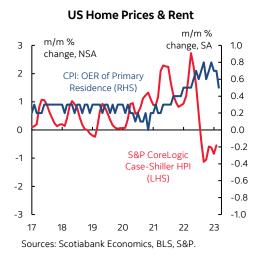
Sources: Scotiabank Economics, BLS.

Chart 11

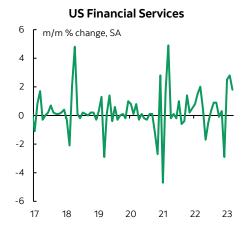


Sources: Scotiabank Economics, BLS.

Chart 12



### Chart 13



Sources: Scotiabank Economics, BLS.

# **Scotiabank**...

April 12, 2023

Mar 2023					Weighted Contributions (ppts)*			5-Year Pre-Pandemic			10-Year Pre-Pandemic		
US INFLATION COMPONENT BREAKDOWN	y/y% change	Pandemic trend (Jan 2019–Present)	m/m% change	Weights (%)	y/y	m/m	2015–2019 avg. y/y	Std. Dev.	Z-Score	2011–2019 avg. y/y	Std. Dev.	Z-Score	
Food	8.5		0.0	13.51	1.15	0.00	1.3	0.8	9.5	1.7	1.1	6.0	
Food, home	8.4		-0.3	8.71	0.73	-0.03	0.2	1.1	7.2	1.2	1.9	3.9	
Cereals & bakery products	13.6		0.6	1.17	0.16	0.01	0.4	0.9	15.0	0.9	1.7	7.5	
Meats, poultry, fish & eggs	4.3	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-1.4	1.83	0.08	-0.03	-0.2	3.2	1.4	2.1	3.9	0.6	
Dairy & related products	10.7		-0.1	0.81	0.09	0.00	-0.6	1.6	7.0	1.1	3.1	3.1	
Fruits & vegetables	2.5	manner of the same	-1.3	1.50	0.04	-0.02	0.4	1.7	1.2	1.0	2.0	0.7	
Non-alcoholic beverages	11.3		0.2	1.05	0.12	0.00	0.6	1.0	10.3	0.5	1.6	6.8	
Other food at home	11.1		0.4	2.35	0.26	0.01	0.5	0.6	16.5	1.0	1.6	6.4	
Food, away	8.8		0.6	4.80	0.42	0.03	2.7	0.3	20.5	2.5	0.5	12.0	
Full services meals & snacks	8.0		0.7	2.30	0.18	0.02	2.6	0.4	14.7	2.4	0.5	11.2	
Limited services meals and snacks	7.9		0.5	2.23	0.18	0.01	2.8	0.3	15.8	2.5	0.7	7.6	
Food at employee sites and school	131.3 .		0.2	0.08	0.10	0.00	2.8	2.4	52.5	2.8	1.9	67.0	
Food from vending machines & mobile vendors	16.2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0.8	0.03	0.00	0.00	3.1	1.0	13.2	2.5	1.3	10.5	
Other food away from home	6.3	my man man	0.7	0.17	0.01	0.00	2.5	1.3	2.9	2.3	1.0	4.0	
Energy	-6.4		-3.5	7.00	-0.45	-0.24	-1.9	10.0	-0.5	1.6	9.6	-0.8	
Energy comm.	-17.0	manufacture and a second	-4.6	3.58	-0.61	-0.16	-2.8	17.0	-0.8	3.0	17.1	-1.2	
Fuel oils & other fuels	-10.8	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-2.5	0.20	-0.02	-0.01	-2.3	15.8	-0.5	2.7	14.4	-0.9	
Motor fuel	-17.3	manufacture and a second	-4.7	3.38	-0.58	-0.16	-2.8	17.1	-0.8	3.0	17.3	-1.2	
<u>Gasoline</u>	<u>-17.4</u> .		<u>-4.6</u>	<u>3.28</u>	<u>-0.57</u>	<u>-0.15</u>	<u>-2.8</u>	<u>17.1</u>	<u>-0.9</u>	<u>3.0</u>	<u>17.4</u>	<u>-1.2</u>	
<u>Other</u>	<u>-9.9</u>		<u>-4.9</u>	<u>0.10</u>	<u>-0.01</u>	<u>0.00</u>	<u>-2.3</u>	<u>19.5</u>	<u>-0.4</u>	<u>3.6</u>	<u>17.9</u>	<u>-0.8</u>	
Energy serv.	9.2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-2.3	3.42	0.31	-0.08	0.0	2.4	3.7	0.5	2.7	3.3	
Electricity	10.2		-0.7	2.57	0.26	-0.02	0.5	1.5	6.6	1.0	1.7	5.5	
Utility (piped gas service)	5.5	manufacture and the second	-7.1	0.85	0.05	-0.06	-1.4	7.5	0.9	-0.9	7.3	0.9	
All items less food and energy	5.6		0.4	79.50	4.45	0.32	2.0	0.2	16.0	1.8	0.4	9.3	
Commodities less food and energy	1.5		0.2	21.32	0.32	0.04	-0.3	0.4	4.7	0.2	0.9	1.5	
Household furnishings	5.8		0.4	3.76	0.22	0.02	-0.8	1.2	5.5	-0.9	1.2	5.6	
Window & floor coverings	4.8	manney manney	0.5	0.32	0.02	0.00	-2.3	1.7	4.1	-2.8	1.8	4.3	
Furniture & bedding	2.1		0.4	1.17	0.02	0.00	-0.3	1.7	1.4	-0.9	2.1	1.4	
Appliances	1.1		0.7	0.29	0.00	0.00	-1.2	3.1	0.7	-1.6	3.0	0.9	
Other household equipment	-1.0		-0.1	0.59	-0.01	0.00	-3.5	1.8	1.4	-3.7	1.5	1.8	
Tools & hardware	11.3		0.2	1.09	0.12	0.00	-0.1	1.0	11.0	-0.3	1.2	9.5	
Housekeeping supplies	10.3		0.5	0.97	0.10	0.00	0.3	1.2	8.4	0.4	1.3	7.5	

# **Scotiabank**...

April 12, 2023

Mar 2023					Weighted Contributions (ppts)*			5-Year Pre-Pandemic			10-Year Pre-Pandemic		
US INFLATION COMPONENT BREAKDOWN	y/y % change	Pandemic trend 10-year trend (Jan 2019–Present)	m/m% change	Weights (%)	у/у	m/m	2015–2019 avg. y/y	Std. Dev.	Z-Score	2011–2019 avg. y/y	Std. Dev.	Z-Score	
Apparel	3.3	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0.3	2.59	0.09	0.01	-0.5	1.0	3.9	0.3	1.7	1.7	
Men's & boys apparel	2.9		1.0	0.68	0.02	0.01	-0.3	1.5	2.1	0.5	2.3	1.1	
Women's & girls apparel	4.1	manny many	0.4	1.07	0.04	0.00	-1.3	1.9	2.9	-0.1	2.5	1.7	
Footwear	0.3	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-0.5	0.51	0.00	0.00	0.2	1.3	0.1	0.8	1.7	-0.3	
Infant & toddler's apparel	4.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-0.3	0.11	0.00	0.00	0.4	3.8	1.0	0.5	3.6	1.0	
Jewlery & watches	7.3	many many	-0.3	0.23	0.02	0.00	1.0	3.4	1.9	1.5	3.8	1.6	
Trans. less fuel	-1.8		0.0	7.57	-0.14	0.00	-0.3	0.9	-1.7	0.4	1.5	-1.5	
New vehicles	6.1		0.4	4.29	0.26	0.02	0.1	0.7	9.1	0.8	1.2	4.3	
Used cars & trucks	-11.2		-0.9	2.55	-0.29	-0.02	-1.3	2.1	-4.8	1.1	4.8	-2.5	
Motor vehicle parts & equipment	6.4		0.1	0.48	0.03	0.00	0.2	1.1	5.8	0.9	2.2	2.5	
Medical comm.	3.6		0.6	1.45	0.05	0.01	2.1	1.7	0.9	2.3	1.5	0.9	
Medicinal Drugs	3.2		0.5	1.34	0.04	0.01	2.2	1.8	0.6	2.3	1.6	0.6	
Medical equipment & supplies	9.3		1.2	0.11	0.01	0.00	0.4	1.2	7.2	0.3	1.2	7.6	
Recreation comm.	3.2		0.2	2.29	0.07	0.00	-2.6	1.1	5.5	-2.3	0.9	6.1	
Video & audio products	-5.5		-0.2	0.28	-0.02	0.00	-10.1	2.4	1.9	-9.2	2.2	1.7	
Pets & pet products	10.3		0.8	0.67	0.07	0.01	0.4	1.5	6.7	0.5	1.5	6.7	
Sporting goods	1.1	manufacture of the same	-0.6	0.76	0.01	0.00	-0.7	1.5	1.2	-0.6	1.2	1.4	
Photographic Equipment & supplies	6.3	man	1.0	0.02	0.00	0.00	-1.7	4.6	1.7	-3.0	4.0	2.3	
Recreational reading materials	3.8	munghamy warmy	0.9	0.11	0.00	0.00	1.6	1.9	1.2	1.5	1.8	1.3	
Other recreational goods	2.4		0.9	0.44	0.01	0.00	-6.5	1.3	6.7	-5.2	1.7	4.3	
Educ. & communication comm.	-10.2		-0.5	0.91	-0.09	0.00	-3.7	1.0	-6.4	-3.5	0.9	-7.4	
Educational books & supplies	0.7	many many	-1.4	0.10	0.00	0.00	2.2	3.0	-0.5	3.6	2.7	-1.1	
IT commodities	-11.5	January January	-0.4	0.82	-0.09	0.00	-6.1	1.9	-2.9	-6.8	1.8	-2.6	
Alcohol	4.5		0.1	0.84	0.04	0.00	1.3	0.3	9.4	1.4	0.4	8.6	
Alcoholic beverages at home	3.9	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-0.2	0.51	0.02	0.00	0.8	0.6	5.1	0.8	0.5	5.9	
Alcoholic beverages away from home	5.8		0.3	0.33	0.02	0.00	1.9	0.5	8.4	2.2	0.7	5.4	
Other goods	6.9		0.5	1.24	0.09	0.01	1.4	0.9	6.5	1.4	0.7	7.7	
Tobacco & smoking products	6.9	mundumm, many	0.8	0.50	0.03	0.00	4.3	1.5	1.7	4.4	3.8	0.7	
Personal care products	6.5		0.8	0.60	0.04	0.00	-0.3	0.6	11.7	-0.1	0.8	8.0	
Miscellaneous personal goods	8.3		-1.3	0.15	0.01	0.00	-2.4	3.1	3.5	-1.7	2.4	4.2	

# **Scotiabank**...

April 12, 2023

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Mar 2023					Weighted Contributions (ppts)*			5-Year Pre-Pandemic			10-Year Pre-Pandemic		
US INFLATION COMPONENT BREAKDOWN	y/y % change	Pandemic trend 10-year trend (Jan 2019–Present)	m/m % change	Weights (%)	у/у	m/m	2015–2019 avg. y/y	Std. Dev.	Z-Score	2011–2019 avg. y/y	Std. Dev.	Z-Score	
Services less energy services	7.1		0.4	58.18	4.13	0.23	2.8	0.2	18.5	2.4	0.6	7.5	
Shelter	8.2		0.6	34.47	2.83	0.21	3.3	0.2	29.2	2.5	1.2	4.9	
Rent of shelter	8.3		0.6	34.10	2.83	0.20	3.3	0.2	27.1	2.5	1.2	4.9	
Rent of primary residence	<u>8.8</u>		<u>0.5</u>	<u>7.53</u>	0.66	0.04	<u>3.7</u>	0.1	<u>38.3</u>	<u>2.9</u>	<u>1.1</u>	<u>5.3</u>	
Lodging away from home	<u>7.3</u>		<u>2.7</u>	<u>1.16</u>	0.08	0.03	<u>2.3</u>	2.0	<u>2.5</u>	2.2	2.2	<u>2.3</u>	
OER of residences	8.0		0.5	<u>25.41</u>	2.03	0.13	<u>3.2</u>	0.2	23.6	<u>2.4</u>	<u>1.1</u>	5.2	
Tenants' & household insurance	0.9	manum manum	0.0	0.37	0.00	0.00	1.4	1.2	-0.4	2.3	1.5	-0.9	
Water, sewer, trash collection	5.4	many many	0.3	1.06	0.06	0.00	3.6	0.6	3.1	4.3	1.0	1.1	
Water & sewage maintenance	4.9		0.3	0.76	0.04	0.00	4.0	0.8	1.1	4.8	1.4	0.0	
Garbage & trash collection	6.7		0.2	0.30	0.02	0.00	2.5	1.5	2.9	2.5	1.1	3.9	
Household ops.	6.6	many way	0.1	0.83	0.05	0.00	3.8	1.3	2.2	2.6	1.6	2.5	
Domestic services	1.2	man	0.0	0.26	0.00	0.00	2.0	1.1	-0.7	1.6	1.0	-0.4	
Gardening & lawncare	4.1	more on	0.2	0.32	0.01	0.00	4.3	2.7	-0.1	2.8	2.6	0.5	
Moving, storage, freight	0.8	man	1.5	0.10	0.00	0.00	5.6	3.9	-1.2	3.3	3.9	-0.6	
Repair of household items	5.4	my your	0.1	0.11	0.01	0.00	4.8	2.1	0.3	4.2	2.0	0.6	
Medical serv.	1.0		-0.5	6.53	0.07	-0.03	2.9	1.0	-1.9	3.0	0.8	-2.5	
Professional Services	2.2	me many	0.0	3.56	0.08	0.00	1.5	0.9	0.7	1.8	0.8	0.5	
Hospital & related services	3.2	many many many	-0.2	2.26	0.07	0.00	3.8	1.1	-0.6	4.5	1.3	-1.0	
Health insurance	-10.7		-4.2	0.70	-0.08	-0.03	5.0	5.8	-2.7	3.6	6.0	-2.4	
Transportation serv.	13.9		1.4	5.81	0.81	0.08	2.6	1.1	10.3	2.6	1.0	11.7	
Leased cars & trucks	-3.6	manda ha	1.0	0.73	-0.03	0.01	0.5	3.0	-1.4	-1.6	3.2	-0.6	
Motor vehicle maintenance & repair	13.3		0.3	1.11	0.15	0.00	2.2	0.7	15.9	2.0	0.6	19.6	
Motor vehicle insurance	15.0		1.2	2.55	0.38	0.03	5.5	2.6	3.6	4.8	2.0	5.0	
Motor vehicle fees	2.9	manum manum	-0.3	0.50	0.01	0.00	1.8	0.7	1.6	2.2	1.9	0.4	
Public transportation	12.4		3.2	0.80	0.10	0.03	-1.2	1.5	9.0	1.0	3.6	3.2	
Recreation serv.	5.9	and the same	0.0	3.12	0.18	0.00	2.6	0.7	5.0	2.3	0.7	4.8	
Video & audio services	5.8	www.m.	0.9	1.00	0.06	0.01	2.7	1.4	2.1	2.6	1.3	2.4	
Pet services	8.6		0.5	0.55	0.05	0.00	3.1	0.8	7.2	3.3	0.9	5.8	
Photo services	6.5		-1.0	0.04	0.00	0.00	-0.2	2.0	3.4	0.8	1.8	3.1	
Other recreation services	5.3	and the same and t	-0.7	1.54	0.08	-0.01	2.4	0.6	4.8	1.7	1.1	3.4	
Educ. & communication serv.	3.3		0.3	4.87	0.16	0.01	0.4	1.3	2.2	1.1	1.3	1.8	
Tuition, school fees, child care	3.7		0.6	2.15	0.08	0.01	2.8	0.6	1.6	3.3	0.8	0.5	
Postage & delivery	7.2	~	0.1	0.08	0.01	0.00	2.3	2.0	2.5	3.3	2.0	2.0	
Telephone services	2.0		-0.4	1.67	0.03	-0.01	-2.4	3.0	1.5	-1.3	2.4	1.4	
Internet services	3.9	mmmmm.	0.9	0.98	0.04	0.01	-0.2	1.5	2.7	0.1	1.3	2.9	
Other personal serv.	5.3		0.5	1.44	0.08	0.01	2.7	0.7	3.9	2.4	0.6	4.6	
Personal care services	5.4		0.2	0.60	0.03	0.00	2.3	0.7	4.4	1.8	0.8	4.4	
Miscellaneous personal services	5.2		0.7	0.84	0.04	0.01	2.9	0.9	2.5	2.7	0.7	3.4	
*Number may not add due to rounding					-				-		-		

\*Number may not add due to rounding

Sources: Scotiabank Economics, BLS.

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