GLOBAL ECONOMICS

SCOTIA FLASH

January 15, 2025

Contributors

Derek Holt

VP & Head of Capital Markets Economics Scotiabank Economics 416.863.7707 derek.holt@scotiabank.com

Chart 1

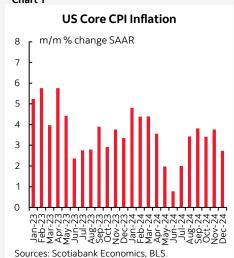
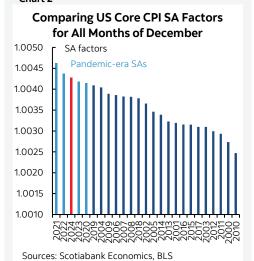


Chart 2



Why US CPI Mattered—And Why it Didn't

- Core CPI inflation was only seven one-hundredths lower than expected...
- ...but bond yields plunged, the dollar weakened, and equities rallied...
- ...probably mostly because they had gone too far in writing off Fed easing
- Core CPI suggests a second soft reading for the Fed's preferred core PCE measure...
- ...but there are major reasons to doubt that inflation has been licked
- SA factors were high again, and distortions will continue in 2025

US CPI / core CPI, m/m % SA, December:

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

CPI landed on the screws at 0.39% m/m SA (4.8% m/m SAAR). A slightly lower than expected core CPI reading of 0.23% m/m SA (seven one-hundredths lower than estimates) and a lighter, but not light 2.7% m/m SAAR (chart 1) motivated an outsized dovish market reaction. The reaction seems exaggerated and more to do with whippy markets, but reinforces the spillover effects from lower UK core CPI earlier this morning.

US yields are down 9bps in 2s and 14bps in 10s on the day. The dollar is broadly weaker against all major crosses. Equities got a further boost on what was already a running head start assisted by strong beats across US bank earnings. Oh happy days indeed, or at least the singular version of that.

Why it Matters

Why it may matter is in terms of setting up a potentially second consecutive soft core PCE reading of underlying inflationary pressures when December's tally arrives on January 31st and following November's core PCE reading of 0.1%. Back-to-back soft core PCE readings would be encouraging, but more evidence is needed in the context of plenty of forward-looking uncertainties and the current status of the US economy.

Core PCE often tracks softer than core CPI. There are many methodological differences between CPI and PCE. PCE captures more items with one glaring example being that it includes spending on goods and services by consumers (like CPI) but also on their behalf (like much the healthcare sector, and unlike CPI). The spending basket for PCE is updated

Chart 3

US Goods Inflation 1.5 1.3 1.1 0.9 0.7 0.5 0.3 0.1 -0.1 -0.3 -0.5

Sources: Scotiabank Economics, BLS.

Chart 4

Sources: Scotiabank Economics, BLS.

 $\label{thm:convector} \mbox{Visit our website at $$\underline{$$scotiabank.com/economics}$ | Follow us on Twitter at $$\underline{@$ScotiaEconomics}$ | Contact us by email at $$\underline{$$scotia.economics@$scotiabank.com}$ | $$$



each month to capture shifts in the composition of spending and hence inflation weights, whereas CPI adjusts weights once a year; hence, PCE does a better job at capturing substitution effects. There are other complicated differences but a key one is different spending weights.

Cue the estimate for PCE and core PCE using chart 5. Accounting for the different weights would have total PCE one-tenth below total CPI's 0.4% reading. That probably also means core PCE will be one-tenth beneath core CPI's 0.2% reading accounting only for the weighting differences.

Then add in what we learned from PPI that includes components included in PCE. They are shown in chart 6 and the outcome is that total PCE would get a 0.07 ppt lift from the relevant PPI components which rounds up to 0.1. Core PCE would get even closer to a 0.1 ppt lift from the PPI components because of adjusting weights to reflect the fact core PCE is a portion of total PCE and the chief driver of the PPI contribution to PCE was airfare which is included in core.

Chart 5

US CPI & PCE Weights Comparison											
		CPI m/m %		Diff in	Diff in m/m						
CPI		change	PCE	weight	%change						
Goods											
Durable Goods											
Motor Vehicles & Parts	7.47	0.7	4.19	-3.28	-0.02						
Furnishings	4.93	-0.2	2.76	-2.18	0.00						
Recreational Goods	2.46	-0.5	3.81	1.35	-0.01						
Nondurables											
Clothing & Footwear	3.15	0.1	2.94	-0.20	0.00						
Services											
Housing & Utilities											
Rent	9.68	0.3	4.05	-5.62	-0.02						
Homeowner Equivalent Rent	33.95	0.3	13.38	-20.57	-0.06						
Water & Garbage Collection	1.39	0.1	0.78	-0.60	0.00						
Health Care	8.17	0.2	18.91	10.74	0.02						
Transportation Services	8.23	0.5	3.63	-4.59	-0.02						
Recreation Service	4.06	0.4	4.42	0.36	0.00						
Total:				-24.60	-0.10						
Sources: Scotiabank Economics, BLS, BEA											

Did it Change Much for the Fed?

I wouldn't say that the outlook for the FOMC's actions spun on a dime on this one report and think this has more to do with markets perhaps righting themselves after going too far in writing off Fed easing for the year. Markets still have the FOMC parked on hold this month, added only 1bp to expected easing at the March meeting but that is still a

Chart 6

	Category in PCE	Weight	PPI Components for PCE	m/m % change	Contribution to PCE (m/m % change)
	Air transportation	0.9	Airline Passenger services	7.2	0.067
	Portfolio management & investment advice services	1.5	Portfolio management	0.2	0.003
	Outpatient Serv	8.0	Hospital outpatient care	0	0.000
!	- Physician Services	4.0	Physician care	0.2	0.008
	- Home Health Care	0.9	Home health, hospice care	0.2	0.002
	Hospital & Nursing Home Serv	8.9	Hospital inpatient care	0	0.000
k	- Nursing Homes	1.3	Nursing Home care	0.4	0.005
,	Total	19.3			0.07

long shot with only at most a one-in-four chance of a 25bps cut priced.

What instead drove the overall yield curve response was that markets went from one cut being priced for the year as a whole before CPI to nearly two cuts priced. The Scotiabank Economics' forecast is for two Fed cuts this year, but there is enormous uncertainty around this call. There is substantial forecast revision risk at the start of every year, but especially the start of one like this given high uncertainty around the policy leanings of the incoming administration, among other factors.

You've been here before. In fact, plenty of times by now, as markets bounced all over the map while struggling to price a steady narrative.

For another point, we're transitioning toward the start of the year when the recency bias in post-pandemic seasonal factors tends to overstate core CPI and PCE inflation readings. That did indeed work out as expected in December (chart 2), but it was offset by very slightly weaker than expected seasonally unadjusted core CPI. The next page includes charts 7–18 that show how SA factors in the pandemic era are higher than usual from about February through Spring, then ebb, and then return with a vengeance to close out the year. The recency bias in how seasonal adjustment factors are calculated means inflation can be overstated, then understated, then overstated again.

Furthermore, the bigger picture is unchanged. The US economy remains in excess aggregate demand and is performing quite well which should dampen some enthusiasm toward having licked inflation.

Fourth, there are plenty of upside risks. Cue Trump and on to next week's developments.

The Details

Charts 3 and 4 shows that both core services (ex housing and energy services) and core goods inflation ebbed last month. There were multiple drivers shown in charts 19–30. Housing inflation was higher than the prior month, but this was offset by weakness across multiple other price signals.

Also see charts 31–34 that break down the basket in y/y and m/m raw and weighted contribution terms. Finally, see the final page of this report that provides greater detail, more measures, and micro charts.



Chart 7

for All Months of January 1.0035 1.0025 1.0020 1.0015

Comparing US Core CPI SA Factors

Chart 10

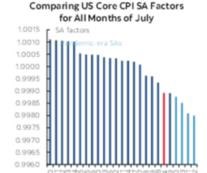
Comparing US Core CPI SA Factors for All Months of April 0.9993

Sources: Scotiabank Economics, BLS



Sources: Scotiabank Economics, BLS

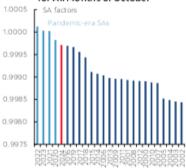
Chart 13



Sources: Scotiabank Economics, BLS

Chart 16

Comparing US Core CPI SA Factors for All Months of October



Sources: Scotiabank Economics, BLS

Chart 8

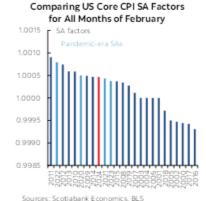


Chart 11

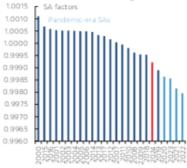
Comparing US Core CPI SA Factors for All Months of May



Sources: Scotiabank Economics, BLS

Chart 14

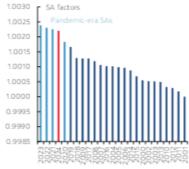
Comparing US Core CPI SA Factors for All Months of August



Sources: Scotiabank Economics, BLS

Chart 17

Comparing US Core CPI SA Factors for All Months of November



Sources: Scotiabank Economics, BLS

Chart 9

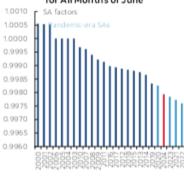
Comparing US Core CPI SA Factors



Sources: Scotiabank Economics, BLS

Chart 12

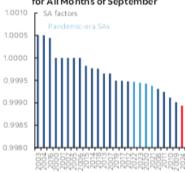
Comparing US Core CPI SA Factors for All Months of June



Sources: Scotiabank Economics, BLS

Chart 15

Comparing US Core CPI SA Factors for All Months of September



Sources: Scotiabank Economics, BLS

Chart 18

Comparing US Core CPI SA Factors for All Months of December



Sources: Scotiabank Economics, BLS



Chart 19

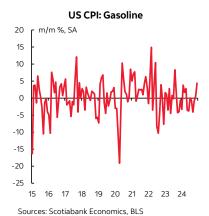
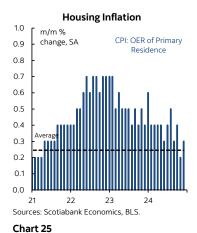


Chart 22



Used Vehicle Inflation

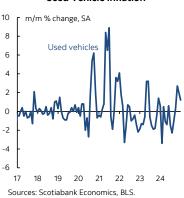


Chart 28

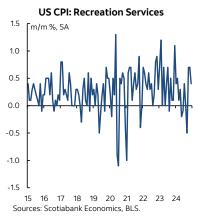


Chart 20

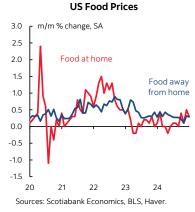


Chart 23

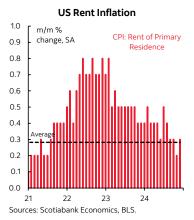


Chart 26

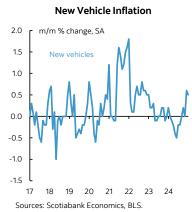


Chart 29

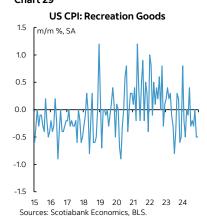


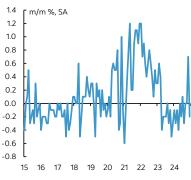
Chart 21



Sources: Scotiabank Economics, BLS.

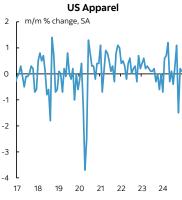
Chart 24

US CPI: Household Furnishings



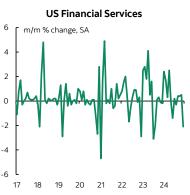
Sources: Scotiabank Economics, BLS.

Chart 27



Sources: Scotiabank Economics, BLS.

Chart 30

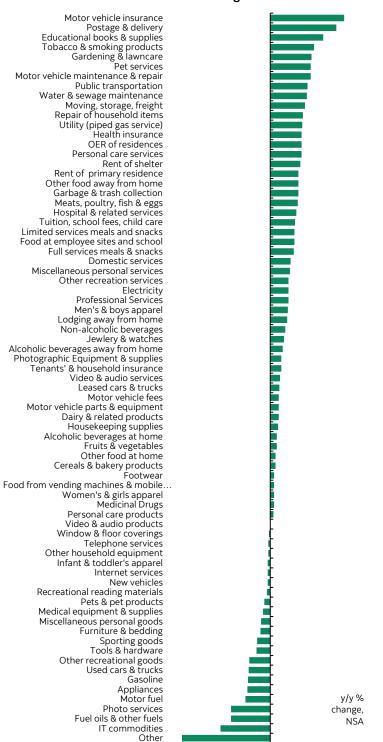


Sources: Scotiabank Economics, BLS.



Chart 31

December 12-Month Changes in US Headline CPI Categories



-10

Sources: Scotiabank Economics, BLS.

-5

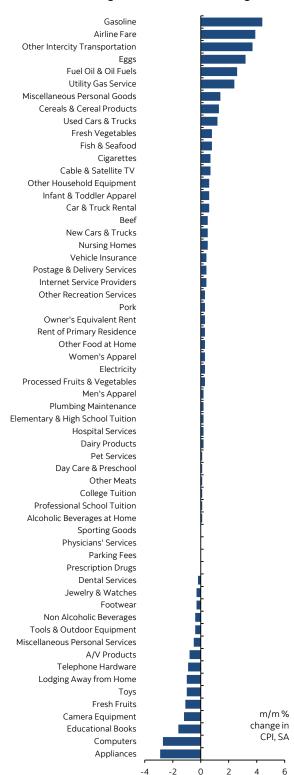
0

5

10

Chart 32

December Changes in US Headline CPI Categories



Sources: Scotiabank Economics, US BLS

Global Economics 5

15



Source: Scotiabank Economics, BLS.

January 15, 2025

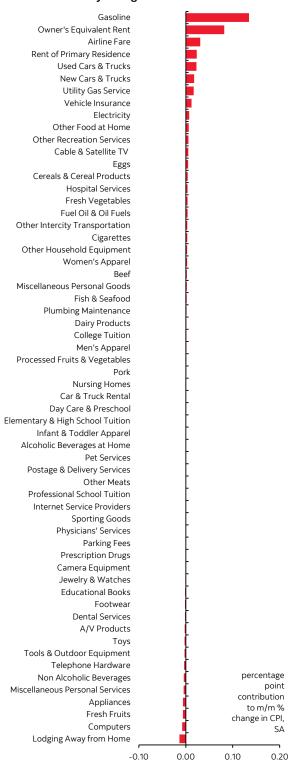
Chart 33

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



Chart 34

December Weighted Contributions to Monthly Change in US Headline CPI



Sources: Scotiabank Economics, US BLS.

January 15, 2025

Dec 2024	Weighted Co	ontributions	(ppts)*	5-Year	Pre-Panden	nic	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	2.5		0.3	13.48	0.34	0.04	1.3	8.0	1.6	1.7	1.1	0.7
Food, home	1.8		0.3	8.07	0.15	0.02	0.2	1.1	1.4	1.2	1.9	0.3
Cereals & bakery products	0.8		1.2	1.04	0.01	0.01	0.4	0.9	0.4	0.9	1.7	-0.1
Meats, poultry, fish & eggs	4.2	~~~~~ ~~~~	0.6	1.74	0.07	0.01	-0.2	3.2	1.4	2.1	3.9	0.5
Dairy & related products	1.3		0.2	0.74	0.01	0.00	-0.6	1.6	1.2	1.1	3.1	0.1
Fruits & vegetables	1.0	www.	-0.1	1.39	0.01	0.00	0.4	1.7	0.3	1.0	2.0	0.0
Non-alcoholic beverages	2.3		-0.4	1.03	0.02	0.00	0.6	1.0	1.6	0.5	1.6	1.1
Other food at home	0.8		0.3	2.15	0.02	0.01	0.5	0.6	0.5	1.0	1.6	-0.1
Food, away	3.6		0.3	5.41	0.19	0.02	2.7	0.3	3.0	2.5	0.5	2.2
Full services meals & snacks	3.6		0.2	2.49	0.09	0.00	2.6	0.4	2.8	2.4	0.5	2.4
Limited services meals and snacks	3.7		0.4	2.53	0.09	0.01	2.8	0.3	2.7	2.5	0.7	1.7
Food at employee sites and school	3.7		0.1	0.08	0.00	0.00	2.8	2.4	0.4	2.8	1.9	0.5
Food from vending machines & mobile vendors	0.6	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0.2	0.05	0.00	0.00	3.1	1.0	-2.5	2.5	1.3	-1.5
Other food away from home	4.3	morning morning	0.1	0.26	0.01	0.00	2.5	1.3	1.4	2.3	1.0	2.0
Energy	-0.5	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2.6	6.44	-0.03	0.17	-1.9	10.0	0.1	1.6	9.6	-0.2
Energy comm.	-3.9	my my my	4.3	3.34	-0.14	0.14	-2.8	17.0	-0.1	3.0	17.1	-0.4
Fuel oils & other fuels	-6.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2.6	0.15	-0.01	0.00	-2.3	15.8	-0.2	2.7	14.4	-0.6
Motor fuel	-3.8	amy a my	4.4	3.19	-0.13	0.14	-2.8	17.1	-0.1	3.0	17.3	-0.4
<u>Gasoline</u>	<u>-3.4</u>	my my my	<u>4.4</u>	<u>3.10</u>	<u>-0.11</u>	<u>0.14</u>	<u>-2.8</u>	<u>17.1</u>	<u>0.0</u>	<u>3.0</u>	<u>17.4</u>	<u>-0.4</u>
<u>Other</u>	<u>-13.5</u>	~~~~~~~~~~	<u>-0.7</u>	<u>0.09</u>	<u>-0.01</u>	<u>0.00</u>	<u>-2.3</u>	<u>19.5</u>	<u>-0.6</u>	<u>3.6</u>	<u>17.9</u>	<u>-1.0</u>
Energy serv.	3.3		0.8	3.10	0.10	0.02	0.0	2.4	1.3	0.5	2.7	1.0
Electricity	2.8		0.3	2.42	0.07	0.01	0.5	1.5	1.5	1.0	1.7	1.1
Utility (piped gas service)	4.9		2.4	0.68	0.03	0.02	-1.4	7.5	0.8	-0.9	7.3	0.8
All items less food and energy	3.2		0.2	80.08	2.55	0.16	2.0	0.2	5.2	1.8	0.4	3.3
Commodities less food and energy	-0.5		0.1	18.35	-0.09	0.02	-0.3	0.4	-0.4	0.2	0.9	-0.8
Household furnishings	-0.9		-0.2	3.95	-0.03	-0.01	-0.8	1.2	-0.1	-0.9	1.2	0.0
Window & floor coverings	-0.2	marken warmen	0.9	0.28	0.00	0.00	-2.3	1.7	1.2	-2.8	1.8	1.5
Furniture & bedding	-1.5		-0.9	0.93	-0.01	-0.01	-0.3	1.7	-0.7	-0.9	2.1	-0.3
Appliances	-3.5	more whom	-2.9	0.22	-0.01	-0.01	-1.2	3.1	-0.7	-1.6	3.0	-0.6
Other household equipment	-0.3	more intermediate	0.0	0.50	0.00	0.00	-3.5	1.8	1.7	-3.7	1.5	2.3
Tools & hardware	-2.1		-0.4	0.69	-0.02	0.00	-0.1	1.0	-2.0	-0.3	1.2	-1.4
Housekeeping supplies	1.2		0.4	0.79	0.01	0.00	0.3	1.2	0.8	0.4	1.3	0.6

January 15, 2025

Dec 2024					ontribution	s (ppts)*	5-Year	Pre-Pander	nic	10-Year Pre-Pandemic		
US INFLATION COMPONENT BREAKDOWN	y/y % change	Pandemic tre 10-year trend (Jan 2019–Prese		Weights (%)	y/y	m/m	2015–2019 avg. y/y	Std. Dev.	Z-Score	2011–2019 avg. y/y	Std. Dev.	Z-Score
Apparel	1.2	many of the same	- 0.1	2.52	0.03	0.00	-0.5	1.0	1.8	0.3	1.7	0.5
Men's & boys apparel	2.7	mayou my	0.2	0.65	0.02	0.00	-0.3	1.5	2.0	0.5	2.3	1.0
Women's & girls apparel	0.6	many man	0.3	1.01	0.01	0.00	-1.3	1.9	1.0	-0.1	2.5	0.3
Footwear	0.6	my ~ mm	-0.3	0.53	0.00	0.00	0.2	1.3	0.3	0.8	1.7	-0.1
Infant & toddler's apparel	-0.4	washing was	0.6	0.10	0.00	0.00	0.4	3.8	-0.2	0.5	3.6	-0.2
Jewlery & watches	2.1	washing with the	-0.3	0.24	0.00	0.00	1.0	3.4	0.3	1.5	3.8	0.2
Trans. less fuel	-1.2		0.7	5.98	-0.07	0.04	-0.3	0.9	-1.0	0.4	1.5	-1.1
New vehicles	-0.4		0.5	3.57	-0.01	0.02	0.1	0.7	-0.7	0.8	1.2	-1.0
Used cars & trucks	-3.3		1.2	1.89	-0.07	0.02	-1.3	2.1	-1.0	1.1	4.8	-0.9
Motor vehicle parts & equipment	1.3		0.1	0.46	0.01	0.00	0.2	1.1	1.0	0.9	2.2	0.2
Medical comm.	0.5	way with any with	0.0	1.46	0.01	0.00	2.1	1.7	-1.0	2.3	1.5	-1.2
Medicinal Drugs	0.6	when he was	0.1	1.34	0.01	0.00	2.2	1.8	-0.9	2.3	1.6	-1.1
Medical equipment & supplies	-1.1	and which	-1.0	0.12	0.00	0.00	0.4	1.2	-1.2	0.3	1.2	-1.2
Recreation comm.	-1.5		-0.5	1.97	-0.03	-0.01	-2.6	1.1	1.0	-2.3	0.9	0.9
Video & audio products	0.0		-0.8	0.28	0.00	0.00	-10.1	2.4	4.2	-9.2	2.2	4.2
Pets & pet products	-0.9	~~~~	-0.4	0.61	-0.01	0.00	0.4	1.5	-0.9	0.5	1.5	-0.9
Sporting goods	-2.0	manda momen	-0.4	0.62	-0.01	0.00	-0.7	1.5	-0.8	-0.6	1.2	-1.1
Photographic Equipment & supplies	1.7	morning manning	-1.2	0.02	0.00	0.00	-1.7	4.6	0.7	-3.0	4.0	1.2
Recreational reading materials	-0.5	my many many many many	0.4	0.10	0.00	0.00	1.6	1.9	-1.1	1.5	1.8	-1.1
Other recreational goods	-3.2	muman man	-0.6	0.34	-0.01	0.00	-6.5	1.3	2.5	-5.2	1.7	1.1
Educ. & communication comm.	-6.1	my some my some	-0.9	0.80	-0.05	-0.01	-3.7	1.0	-2.3	-3.5	0.9	-2.9
Educational books & supplies	8.1	mum mum	-0.8	0.08	0.01	0.00	2.2	3.0	2.0	3.6	2.7	1.6
IT commodities	-7.6	my from my frommer	-1.0	0.71	-0.06	-0.01	-6.1	1.9	-0.8	-6.8	1.8	-0.5
Alcohol	1.4		-0.3	0.84	0.01	0.00	1.3	0.3	0.4	1.4	0.4	0.1
Alcoholic beverages at home	1.0	and a surviva	0.1	0.47	0.00	0.00	0.8	0.6	0.3	0.8	0.5	0.4
Alcoholic beverages away from home	1.9		-0.5	0.38	0.01	0.00	1.9	0.5	0.1	2.2	0.7	-0.5
Other goods	2.7		0.4	1.38	0.04	-0.01	1.4	0.9	1.6	1.4	0.7	1.8
Tobacco & smoking products	6.7	morning morning	0.0	0.56	0.04	0.00	4.3	1.5	1.6	4.4	3.8	0.6
Personal care products	0.5	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-1.1	0.66	0.00	-0.01	-0.3	0.6	1.4	-0.1	0.8	0.7
Miscellaneous personal goods	-1.4	and when when	0.6	0.16	0.00	0.00	-2.4	3.1	0.3	-1.7	2.4	0.1

January 15, 2025

АЗ

Dec 2024	Weighted C	ontributions	s (ppts)*	5-Year	Pre-Pander	nic	10-Year	Pre-Pande	mic			
US INFLATION COMPONENT BREAKDOWN	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	4.4		0.3	61.73	2.68	0.19	2.8	0.2	6.8	2.4	0.6	3.2
Shelter	4.6	~~~	0.3	36.71	1.66	0.11	3.3	0.2	7.8	2.5	1.2	1.8
Rent of shelter	4.6	~~~	0.3	36.30	1.65	0.11	3.3	0.2	7.0	2.5	1.2	1.8
Rent of primary residence	<u>4.3</u>		<u>0.3</u>	<u>7.75</u>	<u>0.33</u>	0.02	<u>3.7</u>	<u>0.1</u>	<u>4.5</u>	2.9	<u>1.1</u>	<u>1.3</u>
Lodging away from home	<u>2.6</u>		<u>-1.0</u>	<u>1.36</u>	<u>0.03</u>	<u>-0.01</u>	2.3	2.0	<u>0.2</u>	2.2	2.2	<u>0.2</u>
OER of residences	4.8		<u>0.3</u>	<u>27.19</u>	<u>1.28</u>	<u>0.08</u>	3.2	<u>0.2</u>	<u>7.8</u>	<u>2.4</u>	<u>1.1</u>	<u>2.2</u>
Tenants' & household insurance	1.7	manual manual	0.0	0.41	0.01	0.00	1.4	1.2	0.3	2.3	1.5	-0.4
Water, sewer, trash collection	5.2	many you	0.1	1.11	0.06	0.00	3.6	0.6	2.8	4.3	1.0	0.9
Water & sewage maintenance	5.6	manual manual	0.2	0.78	0.04	0.00	4.0	0.8	2.0	4.8	1.4	0.5
Garbage & trash collection	4.3	many amount	0.1	0.33	0.01	0.00	2.5	1.5	1.2	2.5	1.1	1.7
Household ops.	5.7 -	my way was	-0.3	1.01	0.00	0.00	3.8	1.3	1.5	2.6	1.6	1.9
Domestic services	3.1	_ Morane morane	0.7	0.31	0.00	0.00	2.0	1.1	1.1	1.6	1.0	1.4
Gardening & lawncare	6.3	~~~~^	-0.8	0.35	0.00	0.00	4.3	2.7	0.7	2.8	2.6	1.3
Moving, storage, freight	5.3	mymmum - whome	-1.3	0.15	0.01	0.00	5.6	3.9	-0.1	3.3	3.9	0.5
Repair of household items	5.0	my ham	1.7	0.14	0.00	0.00	4.8	2.1	0.1	4.2	2.0	0.4
Medical serv.	3.4 ~	~~~~	0.2	6.54	0.22	0.01	2.9	1.0	0.5	3.0	0.8	0.4
Professional Services	2.8	many many	0.0	3.63	0.10	0.00	1.5	0.9	1.4	1.8	0.8	1.2
Hospital & related services	4.0	municipal many many	0.2	2.33	0.09	0.00	3.8	1.1	0.2	4.5	1.3	-0.4
Health insurance	4.8	~~~	0.0	0.59	0.03	0.00	5.0	5.8	0.0	3.6	6.0	0.2
Transportation serv.	7.3		0.5	6.59	0.46	0.03	2.6	1.1	4.3	2.6	1.0	4.8
Leased cars & trucks	1.4		-0.2	0.51	0.00	0.00	0.5	3.0	0.3	-1.6	3.2	0.9
Motor vehicle maintenance & repair	6.2		0.2	1.27	0.08	0.00	2.2	0.7	5.8	2.0	0.6	7.3
Motor vehicle insurance	11.3 -		0.4	3.02	0.32	0.01	5.5	2.6	2.2	4.8	2.0	3.2
Motor vehicle fees	1.3	home handsoned	-0.9	0.54	0.01	0.00	1.8	0.7	-0.7	2.2	1.9	-0.5
Public transportation	5.7		2.7	1.12	0.06	0.03	-1.2	1.5	4.6	1.0	3.6	1.3
Recreation serv.	2.7	many my my	0.4	3.25	0.09	0.01	2.6	0.7	0.2	2.3	0.7	0.5
Video & audio services	1.5	many _ m	0.8	0.89	0.01	0.01	2.7	1.4	-0.8	2.6	1.3	-0.8
Pet services	6.2		0.1	0.44	0.03	0.00	3.1	0.8	4.1	3.3	0.9	3.2
Photo services	-6.0	manner and and	-0.5	0.05	0.00	0.00	-0.2	2.0	-2.9	0.8	1.8	-3.7
Other recreation services	2.8	many of the second	0.3	1.87	0.05	0.01	2.4	0.6	0.7	1.7	1.1	1.0
Educ. & communication serv.	1.8	when when	0.2	4.98	0.09	0.01	0.4	1.3	1.0	1.1	1.3	0.6
Tuition, school fees, child care	3.8		0.1	2.43	0.09	0.00	2.8	0.6	1.8	3.3	0.8	0.6
Postage & delivery	10.1	many many	0.4	0.07	0.01	0.00	2.3	2.0	4.0	3.3	2.0	3.5
Telephone services	-0.3	man of the same	0.1	1.53	0.00	0.00	-2.4	3.0	0.7	-1.3	2.4	0.4
Internet services	-0.4	many many	0.4	0.95	0.00	0.00	-0.2	1.5	-0.1	0.1	1.3	-0.4
Other personal serv.	3.7	morning amount	-0.3	1.54	0.06	0.00	2.7	0.7	1.5	2.4	0.6	2.1
Personal care services	4.8	manhama and and	0.0	0.64	0.03	0.00	2.3	0.7	3.6	1.8	0.8	3.6
Miscellaneous personal services	3.0	many anymount	-0.5	0.90	0.03	0.00	2.9	0.9	0.1	2.7	0.7	0.4

^{*}Number may not add due to rounding

Sources: Scotiabank Economics, BLS.

This report has been prepared by Scotiabank Economics as a resource for the clients of Scotiabank. Opinions, estimates and projections contained herein are our own as of the date hereof and are subject to change without notice. The information and opinions contained herein have been compiled or arrived at from sources believed reliable but no representation or warranty, express or implied, is made as to their accuracy or completeness. Neither Scotiabank nor any of its officers, directors, partners, employees or affiliates accepts any liability whatsoever for any direct or consequential loss arising from any use of this report or its contents.

These reports are provided to you for informational purposes only. This report is not, and is not constructed as, an offer to sell or solicitation of any offer to buy any financial instrument, nor shall this report be construed as an opinion as to whether you should enter into any swap or trading strategy involving a swap or any other transaction. The information contained in this report is not intended to be, and does not constitute, a recommendation of a swap or trading strategy involving a swap within the meaning of U.S. Commodity Futures Trading Commission Regulation 23.434 and Appendix A thereto. This material is not intended to be individually tailored to your needs or characteristics and should not be viewed as a "call to action" or suggestion that you enter into a swap or trading strategy involving a swap or any other transaction. Scotiabank may engage in transactions in a manner inconsistent with the views discussed this report and may have positions, or be in the process of acquiring or disposing of positions, referred to in this report.

Scotiabank, its affiliates and any of their respective officers, directors and employees may from time to time take positions in currencies, act as managers, co-managers or underwriters of a public offering or act as principals or agents, deal in, own or act as market makers or advisors, brokers or commercial and/or investment bankers in relation to securities or related derivatives. As a result of these actions, Scotiabank may receive remuneration. All Scotiabank products and services are subject to the terms of applicable agreements and local regulations. Officers, directors and employees of Scotiabank and its affiliates may serve as directors of corporations.

Any securities discussed in this report may not be suitable for all investors. Scotiabank recommends that investors independently evaluate any issuer and security discussed in this report, and consult with any advisors they deem necessary prior to making any investment.

This report and all information, opinions and conclusions contained in it are protected by copyright. This information may not be reproduced without the prior express written consent of Scotiabank.

™ Trademark of The Bank of Nova Scotia. Used under license, where applicable.

Scotiabank, together with "Global Banking and Markets", is a marketing name for the global corporate and investment banking and capital markets businesses of The Bank of Nova Scotia and certain of its affiliates in the countries where they operate, including; Scotiabank Europe plc; Scotiabank (Ireland) Designated Activity Company; Scotiabank Inverlat S.A., Institución de Banca Múltiple, Grupo Financiero Scotiabank Inverlat, Scotia Inverlat Derivados S.A. de C.V. – all members of the Scotiabank group and authorized users of the Scotiabank mark. The Bank of Nova Scotia is incorporated in Canada with limited liability and is authorised and regulated by the Office of the Superintendent of Financial Institutions Canada. The Bank of Nova Scotia is authorized by the UK Prudential Regulation Authority and is subject to regulation by the UK Financial Conduct Authority and limited regulation by the UK Prudential Regulation Authority are available from us on request. Scotiabank Europe plc is authorized by the UK Prudential Regulation Authority and regulated by the UK Financial Conduct Authority and Regulation Authority.

Scotiabank Inverlat, S.A., Scotia Inverlat Casa de Bolsa, S.A. de C.V., Grupo Financiero Scotiabank Inverlat, and Scotia Inverlat Derivados, S.A. de C.V., are each authorized and regulated by the Mexican financial authorities.

Not all products and services are offered in all jurisdictions. Services described are available in jurisdictions where permitted by law.