



Updating the Quarterly Retail Price Index for Norfolk Island -May Quarter, 2022 – Results

Prepared for the Norfolk Island Regional Council 30 May 2022

Contact





Craig Wilson Managing Director M: +61 414 741 791 Craig.Wilson@deltapearlpartners.com

A PROFESSIONAL SERVICES FIRM:

DeltaPearl Partners

ECONOMICS - POLICY - STRATEGY - CORPORATE ADVISORY

DELTAPEARL PARTNERS HAS TWO MODES OF VALUE GENERATION AND SERVICE DELIVERY:

ANALYSIS: DUE DILIGENCE, ASSESSMENT, RESEARCH, DATA ANALYTICS, MODELLING, EVALUATION

DELIVERY: PROGRAM DELIVERY, PARTNERSHIP, RESEARCH, THOUGHT LEADERSHIP, TRAINING

THIS WORK IS COPYRIGHT. INDIVIDUALS, AGENCIES AND CORPORATIONS WISHING TO REPRODUCE THIS MATERIAL SHOULD CONTACT DELTAPEARL PARTNERS ON THE DETAILS BELOW.

WWW.DELTAPEARLPARTNERS.COM

ACN: 621042537

Services

- ✓ Project economics due diligence
- ✓ Feasibility studies
- ✓ Business cases
- ✓ Gateway and peer review
- ✓ Commercial advisory
- ✓ Country economic analyses
- ✓ Economic impact assessment
- ✓ Cost-benefit analysis
- ✓ Local economic development strategy
- ✓ Policy development and analysis
- ✓ Regulatory impact assessment
- ✓ Financial and economic modelling
- ✓ Demand analysis and forecasting
- ✓ Data analytics
- ✓ Private company big data analysis
- ✓ Property market and urban economics
- ✓ Transport oriented development
- ✓ Value capture options analysis
- ✓ Financial markets analysis

- ✓ Financial services analysis
- ✓ Sectoral analysis
- ✓ Short-course training
- ✓ Thought leadership
- ✓ Market entry due diligence
- ✓ Stakeholder engagement and analysis
- ✓ Survey design
- ✓ In-house chief economist
- ✓ Economic briefing papers
- ✓ Impact investment advisory
- Regulated pricing and regulatory proposals
- ✓ Program monitoring and evaluation
- ✓ Political economy assessments
- ✓ Public affairs advisory
- ✓ Economic social media programs
- ✓ Government approvals processes
- ✓ Supply chain analysis
- ✓ Infrastructure policy and planning
- Competition policy advice

Table of Contents

EXE	CUT	IVE SUMMARY	5
1.	INT	RODUCTION	7
2.	EAF	RLIER MEASUREMENTS OF INFLATION, 2017 - FEBRUARY 2022	7
2	.1.	DETERMINING INFLATION FOR 2017 FEBRUARY 2022	7
3.	DET	ERMINING INFLATION FOR FEBRUARY 2022 TO MAY 2022	8
3	.1.	RPI, 2012-20221	0
APF	PEND	DIX: PRICING - DATA COLLATION PROCESS, ASSUMPTIONS AND CAVEATS1	5

Tables

Table 3: Updated RPI for Norfolk, 2011-2022	10
Table 2: Price changes and inflation 2017-2022	13

Executive Summary

This Report is prepared as part of a project to assist the Norfolk Island Regional Council (NIRC) recommence price inflation monitoring on Norfolk Island. The purpose of this report is to outline price inflation on Norfolk Island for the quarter to May 2022, following the last estimate during February 2022. In brief, and as noted in earlier reports:

- Between 1990 and 2011, Norfolk Island had its own RPI. After 2011, the measurement of the RPI metric ceased for various reasons, particularly data issues, as we have detailed elsewhere.¹
- In 2012, consulting firm Acil Allen investigated reasons for the collapse and for the Norfolk Government and, up to 2018-19, undertook research into reinstating an RPI, including developing a basket of goods and expenditure weights. Building on this work, we have previously provided an estimate of inflation between 2012-2017.
- To estimate an interim inflation measure for 2017-2022, we completed a price collection on Norfolk Island during 10-15 March 2022², and updated the same preliminary basket of goods as the 'Draft RPI' prepared by Acil Allen, in the absence of an updated household expenditure survey to provide a new basket of goods and expenditure weights.

We previously estimated inflation on Norfolk Island over the five years to February 2022 running at an annualised rate of 3.76%. There would have been higher and lower rates of inflation during this fiveyear period around this average that we were unable to measure precisely due to the lack of data. This average was calculated after having monitored prices in early March 2022 and comparing these prices to the last estimates taken in February 2017. The overall price increase over the five years to February 2022, weighted using the existing weighted basket of goods and services, was calculated as 18.79%.

For the current report, we estimated inflation on the same basis for February 2022 to May 2022. The same on-island price estimation exercise was conducted in May 2022 for the same basket of goods and expenditure weights. Price data was captured during the middle two weeks of May.

Results - Prices and inflation

The table below provides a summary of the expenditure weights for the 10 groups that make up the consumption basket, as well as the group weights, which are taken from the 2017 work, which utilised the 2014 household expenditure data to calculate expenditure weights. As we only had price data for 2017 and February 2022 previously, the price increase was calculated on an annualised basis for this five-year period to Q1 February. We noted at this time that it was possible that most of the increase was experienced in the last few years (particularly post-COVID) but we could measure this precisely to confirm. The higher estimated inflation rate for Q2 (5.8% compared with 3.7%) suggests that this was likely to have been the case.

We previously estimated inflation on Norfolk Island over the five years to February 2022 running at an annualised rate of 3.76%. There would have been higher and lower rates of inflation during this fiveyear period around this average that we were unable to measure precisely due to the lack of data. This average was calculated after having monitored prices in early March 2022 and comparing these prices to the last estimates taken in February 2017. The overall price increase over the five years to February 2022, weighted using the existing weighted basket of goods and services, was 18.79%. For the same basket of goods, with prices collected using the same process, we estimated that from February 2022 (Q1) to May 2022 (Q2):

- quarterly inflation is 3.02%
- annualised inflation for the quarter is 5.85%.

¹ DeltaPearl Partners, 2021, "Measuring inflation on Norfolk Island: A general recap - Updated."

² For convenience and consistency, we have referred to the March 2022 data as February 2022 data.

This suggests that most of the inflation for the previous 5-year period may have been experienced in the past year or two post-COVID and increases in shipping charges. Some of the largest increases are related to transportation, and to food and beverages and household contents, which, being imported to Norfolk, are influenced heavily by transportation costs.

			-				
Group	Group no.	Weight	Change Feb 2017 to Feb 2022	Change Feb 2022 to May 2022			
Food and non-alcoholic beverages	1	23.9%	19.23%	12.36%			
Tobacco and alcohol	2	6.8%	31.93%	3.55%			
Clothing and footwear	3	3.6%	9.76%	1.49%			
Housing	4	18.0%	27.14%	2.93%			
Household contents and services	5	8.9%	50.08%	9.25%			
Health	6	4.3%	15.13%	-0.67%			
Transportation	7	12.1%	26.37%	8.15%			
Communication	8	3.1%	-4.51%	-0.45%			
Recreation	9	10.7%	-13.42%	-0.58%			
Insurance services	10	8.6%	0.18%	0.03%			
All groups			18.79%	3.02% (quarterly change)			
Annual Average			3.76%	5.85% (annualised quarterly change)			

Executive Summary Table 1

1. Introduction

This report is prepared as part of a project to assist the Norfolk Island Regional Council (NIRC) recommence price inflation monitoring on Norfolk Island.

The Norfolk Island version of the Australian consumer price index (CPI) is known as the retail price index (RPI).

In brief, and as noted in earlier reports:

- Between 1990 and 2011, Norfolk Island had its own RPI. After 2011, the measurement of the RPI metric ceased for various reasons, particularly data issues, as we have detailed elsewhere.³
- In 2012, consulting firm Acil Allen investigated reasons for the collapse and for the Norfolk Government and, up to 2018-19, undertook research into reinstating an RPI, including developing a basket of goods and expenditure weights; for simplicity, we refer to this work as the 'Draft RPI' report. Building on this work, we have provided an estimate of inflation between 2012-2017.
- To estimate an interim inflation measure for 2017-2022, we completed a price collection on Norfolk Island during 10-15 March 2022, and updated the same preliminary basket of goods as the 'Draft RPI' which measured inflation up to 2017. We know that this approach aligns with the practice of other small island economies (see Case Study Report on Small Island Economies).
- The data collection was aimed at updating the same list from the Draft RPI in 2017 for continuity, subject to reviewing whether any items are no longer appropriate or require updating. Therefore, we have aimed to collect prices on the 10 categories of goods and services: food, alcohol and tobacco, clothing, transport, communications, housing (including household utilities), household contents, health, recreation and insurances. A detailed list of the 250+ goods and services is provided in the appendix.

In May 2022, we undertook the same data collection process for the 256+ goods over the 10 categories of goods and services. A spreadsheet contained the detailed data collected has been provided separately to NIRC.

As noted in the earlier report, this updated report and the process that we followed to measure inflation are designed to enable development of an interim inflation measure without (and prior to) the possible development of a new household expenditure survey (HIES) to update the basket and associated expenditure weightings. We have suggested to NIRC that a new updated HIES is required for the future and NIRC is pursuing this separately.

2. Earlier measurements of inflation, 2017 - February 2022

2.1. Determining inflation for 2017 February 2022

To measure inflation from 2017 to the present day, we completed a price collection on Norfolk Island during 10-15 March 2022, and updated the same preliminary basket of goods as the 'Draft RPI' which measured inflation up to 2017. The is the most straightforward approach to developing an ad interim inflation measure, and we know that this basket and the goods align with the practice of other small island economies (see Case Study Report on Small Island Economies), and that the weights used align roughly in terms of the importance given to food, transport and housing in those other economies. A

³ DeltaPearl Partners, 2021, "Measuring inflation on Norfolk Island: A general recap - Updated."

spreadsheet containing the prices has been separately developed and will be provided to NIRC, including quantities to allow for future updates.

The data collection was aimed at updating the same basket from 2017 for continuity, subject to reviewing whether any items are no longer appropriate or require updating. Therefore, we collected prices on the following 10 categories of goods and services: food, alcohol and tobacco, clothing, transport, communications, housing (including household utilities), household contents, health, recreation and insurances.

Based on the earlier work by Acil Allen, we have price data for the first half of 2017. As noted above, we collated data during March 2022; we have used the February 2017 data from the Acil Allen Draft RPI as it is from the same quarter of the year for comparable seasonality, and refer to it as February 2022 data for simplicity in the spreadsheet to maintain the same system for quarterly collection.

A detailed spreadsheet containing prices for February 2017 (collected for the Draft RPI by Acil Allen) and prices for the same goods and services in 2022 has been provided to NIRC for the 250+ prices collected that make up the 10 groups of goods. A spreadsheet developing the inflation index based on the prices and allocated expenditure weights will also be separately provided.

A summary of the index for the 10 groups of goods in the basket is shown below. The index shows how prices have changed relative to a value of 1.00 in the index reference period. An index of 1.10, for example, would mean that there has been a 10% increase in price since the index reference period.

The index from May 17 to February 2022 is backfilled based on the price data collated in March 2022, smoothed and annualised over the period 2017-2022.

3. Determining inflation for February 2022 to May 2022

NIRC's intention is to measure the RPI on a quarterly basis. The February 2022 data collection and report measured inflation for the first quarter of 2022.

In May 2022, we undertook the same price collection process to determine inflation between the first and second quarters of 2022.

The data collection process took place on-island over two weeks in the middle of May 2022. The data collection was aimed at updating the same basket as used in February 2022 for continuity. Therefore, we collected prices on the following 10 categories of goods and services: food, alcohol and tobacco, clothing, transport, communications, housing (including household utilities), household contents, health, recreation and insurances.

This is the most straightforward approach to developing an ad interim inflation measure, and we know that this basket and the goods align with the practice of other small island economies (see Case Study Report on Small Island Economies), and that the weights used align roughly in terms of the importance given to food, transport and housing in those other economies.

A detailed spreadsheet containing prices for February 2017 (collected for the Draft RPI by Acil Allen) and prices for the same goods and services in February 2022 has been provided to NIRC for the 250+ prices collected that make up the 10 groups of goods. A spreadsheet developing the inflation index based on the prices and allocated expenditure weights has also been separately provided.

A summary of the index for the 10 groups of goods in the basket is shown below. The index shows how prices have changed relative to a value of 1.00 in the index reference period. An index of 1.10, for example, would mean that there has been a 10% increase in price since the index reference period.

The index from May 17 to February 2022 is backfilled based on the price data collated in March 2022, smoothed and annualised over the period 2017-2022.

As we only had price data for 2017 and February 2022 initially, we smoothed the price increase on an annualised basis for this five-year period to Q1 February. We noted at this time that it was possible that most of the increase has been experienced in the last few years (particularly post-COVID) but we could not measure this precisely to confirm. The result for May Q2 implies that this result that we noted was possible is likely to have actually been the case. We note that Australia's inflation rate to March 2022 was 2.1% for the quarter, giving an annualised rate of 5.1% for the preceding 12 months, slightly lower than Norfolk Island's 5.85%.

3.1. RPI, 2012-2022

Below we present the retail price index for the period from 2011 (when the official RPI ceased) to May 2022. The index for the period up to February 2017 is based on the data collated by Acil Allen on prices and price adjustments on a quarterly basis, using May 2012 as the base year. The index from February 2017 to February 2022 is based on the price data collated in March 2022, smoothed and annualised over the period from 2017-2022. The index for May 2022 is based on the May and February data collections.

Group	Group	Group	May-	Aug-	Nov-	Feb-	May-	Aug-	Nov-	Feb-	May-	Aug-	Nov-	Feb-	May-	Aug-	Nov-
	number	Weight	12	12	12	13	13	13	13	14	14	14	14	15	15	15	15
Food and non- alcoholic beverages	1	23.9%	1.00	1.00	1.00	1.02	1.02	1.02	1.00	1.01	1.00	1.01	1.00	1.02	1.01	1.00	1.00
Tobacco and alcohol	2	6.8%	1.00	1.00	1.00	1.00	0.96	1.00	1.00	1.01	1.00	1.01	1.00	1.00	1.01	1.03	1.02
Clothing and footwear	3	3.6%	1.00	1.00	1.00	1.03	1.00	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00
Housing	4	18.0%	1.00	1.01	1.00	1.02	0.98	1.00	0.99	1.01	0.99	1.02	1.00	1.00	1.00	1.00	1.03
Household contents and services	5	8.9%	1.00	1.00	1.00	1.01	1.01	1.07	1.00	1.01	1.00	1.01	1.00	1.00	1.04	1.00	1.00
Health	6	4.3%	1.00	1.00	1.00	1.10	1.00	1.01	0.99	1.02	1.00	0.97	1.00	1.01	1.00	1.00	1.00
Transportation	7	12.1%	1.00	1.03	1.00	0.99	1.00	1.00	1.00	1.03	1.00	1.00	1.00	1.00	1.00	0.98	0.98
Communication	8	3.1%	1.00	1.00	1.00	1.01	1.00	1.48	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Recreation	9	10.7%	1.00	1.00	1.00	1.09	1.00	1.01	1.00	1.11	1.00	1.04	1.00	1.00	1.00	0.99	1.01
Insurance services	10	8.6%	1.00	1.00	1.00	1.60	1.00	1.00	1.00	1.00	1.32	1.00	1.00	1.02	1.00	1.00	1.00
All Groups			1.00	1.01	1.00	1.08	1.00	1.03	1.00	1.02	1.03	1.01	1.00	1.01	1.01	1.00	1.01

Table 1: Updated RPI for Norfolk, 2011-2022

Group	Group no.	Group Weight	Feb- 16	May-16	Aug- 16	Nov- 16	Feb- 17	May-17	Aug- 17	Nov- 17	Feb- 18	May-18	Aug- 18	Nov- 18
Food and non- alcoholic beverages	1	23.9%	0.99	1.00	1.08	1.00	1.02	0.99	1.02	1.03	1.04	1.05	1.07	1.08
Tobacco and alcohol	2	6.8%	0.98	1.00	1.00	0.99	1.00	1.03	1.05	1.06	1.08	1.09	1.11	1.12
Clothing and footwear	3	3.6%	1.03	1.00	1.01	1.18	1.00	1.01	1.01	1.01	1.02	1.02	1.03	1.03
Housing	4	18.0%	1.31	1.00	0.81	1.12	1.00	1.00	1.05	1.07	1.08	1.09	1.10	1.11
Household contents and services	5	8.9%	0.99	1.00	1.02	1.00	1.01	1.00	1.06	1.08	1.11	1.13	1.16	1.18
Health	6	4.3%	1.09	1.00	0.40	1.01	1.01	0.99	1.02	1.02	1.03	1.04	1.05	1.06
Transportation	7	12.1%	0.92	1.00	1.00	1.01	1.00	0.98	1.01	1.02	1.04	1.05	1.07	1.08
Communication	8	3.1%	1.00	1.00	1.13	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.98
Recreation	9	10.7%	0.97	1.00	1.03	0.98	1.00	0.78	0.80	0.80	0.81	0.81	0.81	0.82
Insurance services	10	8.6%	0.98	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
All Groups			1.04	1.00	0.97	1.03	1.01	0.98	1.00	1.01	1.03	1.04	1.05	1.06

Group	Group no.	Group Weight	Feb- 19	May- 19	Aug- 19	Nov- 19	Feb- 20	May- 20	Aug- 20	Nov- 20	Feb- 21	May- 21	Aug- 21	Nov- 21	Feb- 22	May 22
Food and non- alcoholic beverages	1	23.9%	1.09	1.10	1.11	1.12	1.13	1.14	1.15	1.16	1.17	1.18	1.19	1.21	1.22	1.33
Tobacco and alcohol	2	6.8%	1.14	1.15	1.17	1.18	1.20	1.21	1.23	1.24	1.26	1.27	1.29	1.30	1.32	1.32
Clothing and footwear	3	3.6%	1.04	1.04	1.05	1.05	1.06	1.06	1.07	1.07	1.08	1.08	1.09	1.09	1.09	1.10
Housing	4	18.0%	1.13	1.14	1.15	1.16	1.17	1.19	1.20	1.21	1.22	1.24	1.25	1.26	1.27	1.27
Household contents and services	5	8.9%	1.21	1.24	1.26	1.29	1.31	1.34	1.36	1.39	1.42	1.44	1.47	1.49	1.52	1.57
Health	6	4.3%	1.07	1.07	1.08	1.09	1.10	1.11	1.12	1.12	1.13	1.14	1.15	1.16	1.17	1.13
Transportation	7	12.1%	1.09	1.11	1.12	1.14	1.15	1.17	1.18	1.19	1.21	1.22	1.24	1.25	1.26	1.32
Communication	8	3.1%	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.96
Recreation	9	10.7%	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.85
Insurance services	10	8.6%	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
All Groups			1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15	1.16	1.17	1.18	1.20	1.23

Group	Group no.	Weight	Change Feb 2017 to Feb 2022 (5 year period)	Change Feb 2022 to May 2022 (quarterly change)
Food and non-alcoholic beverages	1	23.9%	19.23%	12.36%
Tobacco and alcohol	2	6.8%	31.93%	3.55%
Clothing and footwear	3	3.6%	9.76%	1.49%
Housing	4	18.0%	27.14%	2.93%
Household contents and services	5	8.9%	50.08%	9.25%
Health	6	4.3%	15.13%	-0.67%
Transportation	7	12.1%	26.37%	8.15%
Communication	8	3.1%	-4.51%	-0.45%
Recreation	9	10.7%	-13.42%	-0.58%
Insurance services	10	8.6%	0.18%	0.03%
All groups			18.79%	3.02% (quarterly change)
Annual Average			3.76%	5.85% (annualised quarterly change)

Table 2: Price changes and inflation 2017-2022



We previously estimated inflation on Norfolk Island over the five years to February 2022 running at an annualised rate of 3.76%. There would have been higher and lower rates of inflation during this five-year period around this average that we were unable to measure precisely due to the lack of data. This average was calculated after having monitored prices in early March 2022 and comparing these prices

to the last estimates taken in February 2017. The overall price increase over the five years to February 2022, weighted using the existing weighted basket of goods and services, was 18.79%.

For the same basket of goods, with prices collected using the same process, we estimated that from February 2022 (Q1) to May 2022 (Q2) is:

- 3.02% for the quarter
- 5.85% on an annualised basis for the quarter

This suggests that most of the inflation for the previous 5-year period may have been experienced in the past year or two post-COVID and increases in shipping charges. Some of the largest increases are related to transportation, and to food and beverages and household contents, which, being imported to Norfolk, are influenced heavily by transportation costs.

Appendix: Pricing - data collation process, assumptions and caveats

Below we list the individual goods and services that were used in the last basket of goods, developed in the Draft RPI in 2018. Each of these goods was priced and expenditure weights were developed.

The locations from which prices were collected include:

- Liquor Bond
- Foodland
- P&R Groceries
- Trading Post Newsagent
- Burnt Pine Pharmacy
- Slick and Sons (butcher and deli)
- Clothing stores Focus Fashions, Max's, Ross's, and Norfolk Emporium (school uniforms)
- Petrol and service stations Cascade Motor Repairs, Paw Paws Garage, Central Station
- Building and home goods suppliers Norfolk Island Building Supplies (NIBS), Christian Bailey's, Pete's Place (smaller appliances)
- Bakery in Foodland mall
- Norfolk Telecom
- Customer Care, NIRC
- Nadine Murray, Norfolk hospital
- Dentist
- Vet (Candice Knobbs)
- Banyan childcare
- Norfolk Island school (principal, school canteen menu)
- Hairdresser (Wilde Rose)
- Electrician, Plumber
- Home support services for the elderly
- Optometrist (John Kelly)
- Sport and recreation clubs bowls club, golf club, rugby and netball club members

It should be noted that in some cases, we have made assumptions to determine prices that were not available, or to make prices comparable when goods were available in different quantities between 2017 and 2022.

For instance, some products were not available - black and gold rice was priced in 2017 but was not available on the island in 2022. Therefore, we imputed the difference in prices based on n the percentage change for a similar substitute product, in this case, Sun Rice. Another example was Saos biscuits not being available in 2022, and we substituted a different brand of savoury crackers. There were other examples of products not being available in the same quantity priced in 2017. For instance, the 2017 toilet paper price was based on 4 rolls; in 2022, the smallest size available was 16 rolls. We

therefore imputed the price rise based on the percentage change in paper towel prices, given that simply quartering the 2022 price (16 rolls / 4 rolls) would not have given an accurate price due to buying in bulk leading to lower prices per roll.

Where prices involved subsidies, e.g. childcare and home support, we have adopted the subsidised price (i.e. after the subsidy) as recommended by the ABS, and made reasonable assumptions regarding the proportion of people subsidised. For instance, in the case of child-care, we were informed that the majority of parents received 50% to 95% of the cost of childcare (\$78 per day pre-subsidy) back in subsidies. however, the child-minding centre could not give us more than a rough estimate due to privacy issues. Therefore, in the absence of other information, we assumed that 50% of people received a 50% subsidy and the other 50% received a 95% subsidy. Child-care costs remained well above those in 2017 (\$220/per term) even after this generous allowance of the subsidy. We assumed also that the 2017 price was subsidised and determined a price per day for comparability based on a child attending 5 days per week for a 10 week term. For medical costs, as we were informed by the hospital that all patients with Medicare cards were bulk billed, we have assumed no gaps in payments, which appears to be the same assumption made in 2017.

in some cases, Norfolk Islanders may have been able to purchase certain products more cheaply online - e.g. electrical appliances, TVs, and even groceries (via Amazon and catch.com). We have not taken this into account in this exercise because of uncertainty concerning how many consumers were accessing lower prices in this way and what the prices were in this situation. The majority of prices are on-island prices - the only exception is Triumph ladies underwear, which was not available on the island and we were informed would be purchased online. Children's clothing is also not available on the island - we priced school uniforms for children in line with the Acil Allen report.

Moreover, we only collected prices in one month, March 2022. For simplicity, we have assumed that these prices would also apply in February 2022, as the quarterly data collation is for the February quarter, then May, then August, and November from 2011 onwards. We have also disregarded the May and August 2017 data collected by Acil Allen for the earlier Draft RPI due to what appear to be data measurement issues influencing the results.

It should also be noted that for the long-term historical data series, four data sources are utilised: 1) official RPI 1991-2011; (2) Acil Allen data 2011-2017; (3) 2017-2021 - backfilled data, based on the prices collated in March 2022, smoothed and annualized over the five-year period by DPP; and March 2022 - price collation on Norfolk by DPP.

Group 1: Food and non-alcoholic drinks

Bread - white sliced Bread - wholemeal sliced Bread - 8 grain slice Cake - lamington/sponge Chelsea fruit bun Mudcake Scotch fingers - Arnott's Saos - Arnott's Cornflakes - Kellogg's Nutri Grain Weetbix - Sanitarium Muesli - Cerola Oats - uncle toby's quick pack Noodles - Maggi 2 minute range Pasta - san remo Rice long grain - sun

Rice long grain - black & gold Pork chops - loin Topside roast Beef mince Corned beef lamb chops - loin Cockerill frozen skinless chicken pieces - thigh Cockerill frozen skinless chicken pieces - breast Ham - Hans leg ham Bacon - deli Sausages - fresh Devon - deli sliced Trumpeter Canned salmon - Ally, pink tin Canned tuna - black and gold tin Canned smoked oysters - John West Milk - anchor full cream packet Milk UHT - anchor full cream Milk - condensed sweetened - Nestle Meadow fresh milk Butter - Anchor Camembert cheese - Kraft Cheese - Mainland range Thickened cream - Anchor Yoghurt - ski range Potatoes Onions Lettuce Tomatoes Carrots Cucumber Kumera Bananas Dried peas - Birds eye packet Frozen chips - Wattie's Frozen peas - Wattie's Canned sliced beetroot - Wattie's Canned corn - Wattie's Canned sliced mushroom - Edgell Canned fruit salad - Wattie's Canned pineapple - golden circle Dried sultanas - sanitarium Prunes - Angus Park Dried apricots - sanitarium Just juice carton Fresh Up juice Raro drink powder Coca Cola can

Cordial - Cottee range Ice Cream - Tip Top Liquorice allsorts - Pascalls range Marshmallows - Pascalls range Barley sugar - Pascall range Cherry ripe Crunchie Cadbury chocolate Eggs Margarine - meadow Lea Cooking oil - Meadow Lea Sugar - Chelsea polypak Marmalade - sweet orange Cottee Honey - Sanitarium Vegemite Mayonnaise - Praise Peanut butter - Kraft Soy Sauce - Kikkoman Tomato sauce - Wattie's tin Tea - Lanchoo bag instant coffee - Nescafe Milo Cooking stock - continental range Plain flour - white wings Plain flour - black & gold Self-raising flour - white wings Self-raising flour - black & gold Norfolk Blue - Rib fillet Norfolk Blue - Soup du Jour Barney Duffy's - Rib fillet Barney Duffy's - Soup du Jour Wood fire - Pizza - Medium Australian Chook shop - Barbequed pizza The Olive - BLT The Olive - regular flat white meat pie sausage roll roll chicken with salad filling School canteen - hotdog School canteen - toastie - two fillings

Group 2: alcohol and tobacco

Toohey's Draught cans Victoria Bitter cans Hahn Premium Light bottles Houghton's White Burgundy Cask wine - Stanley Mozelle/Riesling Black Douglas Whiskey Bundaberg Rum Jim Beam white label St Agnes Brandy Cigarettes - Benson and hedges 200/25's

Group 3:Clothing

Bisley dress slacks Bisley long sleeve business shirt Bisley cotton work trousers Bisley cotton work shorts Bisley canvas work shorts Bisley short sleeve cotton work shirt Bisley long sleeve cotton work shirt Label One polo shirt Huski shorts range Hole proof casual socks Bonds athletic singlet Hole proof hero hipster underwear Woolmark classic cardigan New cover pants Gerry Webber t shirt Gerry Webber jeans Triumph support bra Triumph Hikini Norfolk Island Central School - navy blue polo Norfolk Island Central School - Sports polo Norfolk Island Central School - Boys grey shorts Norfolk Island Central School - Girls navy shorts Norfolk Island Central School - Blacks sports shorts Norfolk Island Central School - Track pants Norfolk Island Central School - Fleecy Jacket Nike air Pegasus men's senior Redback steel cap bobcat boots Reiker black leather lace-up Nike air Pegasus women's senior **Reiker ladies court** Nike air Pegasus juniors

Group 4: Transport

Petrol Petrol Servicing of Vehicle - Labour Vehicle Repair - Labour Lubricating Oil, Castrol XL Tubeless Tyre, Dunlop - 175/70R13 Battery, NS40Z Driver's License

Registration of Motor Car Group 5: Communications

Stamps Local Stamps Australia Stamps New Zealand Telephone Rental Norfolk internet service Overseas calls to Australia

Group 6: Housing and household utilities

Rent Electricity

Group 7: Household maintenance and contents

Double Bed Mattress Bath Towel Washing Machine 750 - EV004 Chest Freezer, Westinghouse EV 301, 150 lt. Refrigerator, EV087 Electronic Iron, Sunbeam Pro-Steam Paint - Wattyl Solargard, Gloss White Paint Brush, Craftsman, bristle 75mm Bolts, 100mm x 10mm, #ZI 037 Pliers, Stanley 250mm, Multi-Grip #SW 207A Mineral turps Araldite Knobs Spartan passage set Chux superwipes, J&J regular Laundry powder - Drive Laundry powder - Cold power Softener - Cuddly Ultra **Dishwashing liquid - Palmolive Disinfectant - Pine-O-Clean** Toilet cleaner - Harpic heavy duty Shampoo - Sunsilk, bottle Annie's: Lipstick, Innoxa, Extra Moisture Mascara, Innoxa Razor Blades, Gillette Moisturiser - Nivea Palmolive Soap - 125gm Tampon, Carefree Regular Tooth Paste, Colgate's Regular, tube **Toilet Paper - Sorbent** Baby Powder, Johnson & Johnson, Bottle Bandaid Plastic Strips, J & J. packet **Facial Tissues- Kleenex**

Batteries AA - Ever ready Fire starters - little lucifers Insecticides- Mortein Gladwrap Light Bulb - black & gold 14W Paper Towel - Handee Child Minding, Banyan Park Hair cut - men Hair cut - men Hair cut - women Shampoo and Set Permanent Wave, short hair Plumbing- Norfolk Plumbing & Gas Electrical - Middlegate Household Help (Care Norfolk) Lawn Mowing

Group 8: Health

General Practitioner - basic consultation Specialist visit (Ophthalmologist) **Public Ward Charges** Optometrist - John Kelly Optometrist, Initial Consultation Dental Charges - basic consultation Panadol Tablets Preventative (Becotide) Inhaler, 100 microgram Cough Mixture - Benadryl Vitamin Tablets - Pluravit Multi **Contraceptive Pills** Bandaids - Elastoplast Amoxil Capsules, 250mg Amoxil Suspension, 125 mg Lasix Tabs **Tenormin Tabs** Ventolin Inhaler, 100 microgram

Group 9: Recreation and education

Television - 46 inch Samsung LED Blue-ray player - LG Apple iPod shuffle TV repair Exercise book - GNS 64 page Exercise book - GNS 48 page Kindergarten - Year 2 workbook Year 3 - Year 4 workbook Year 5 - Year 6 workbook New Idea magazine Women's Day magazine Newspaper - local Sydney Morning Herald Golf ball - top flight XL Junior rugby league registration fee Junior netball registration fee Bowls club annual subscription Cheryl Tennis club annual subscription Golf Club annual subscription Golf club green fees Dog food - chum Cat food - Whiskas Veterinary service - basic consult Annual show admission Air New Zealand - Sydney resident return airfare weighted average for quarter Air New Zealand - Auckland resident return airfare weighted average for quarter

Group 10: Insurances

Household insurance Content insurance Compulsory third party insurance Comprehensive insurance Norfolk Island healthcare insurance