

# Data Entry Screen Development

For integration into Toustone Database

Project code  
2022-1030

Prepared by  
Toustone

Date submitted  
31/03/2025

Published by  
AMPC

Date published  
31/03/2025

# Contents

<b>Contents</b>	<b>2</b>
<b>1.0 Abstract</b>	<b>3</b>
<b>2.0 Executive summary</b>	<b>3</b>
<b>3.0 Introduction</b>	<b>4</b>
<b>4.0 Project objectives</b>	<b>4</b>
<b>5.0 Methodology</b>	<b>4</b>
<b>6.0 Results</b>	<b>5</b>
<b>7.0 Discussion</b>	<b>7</b>
<b>8.0 Conclusions</b>	<b>10</b>
<b>9.0 Recommendations</b>	<b>9</b>
<b>10.0 Project outputs</b>	<b>10</b>

**Disclaimer** The information contained within this publication has been prepared by a third party commissioned by Australian Meat Processor Corporation Ltd (AMPC). It does not necessarily reflect the opinion or position of AMPC. Care is taken to ensure the accuracy of the information contained in this publication. However, AMPC cannot accept responsibility for the accuracy or completeness of the information or opinions contained in this publication, nor does it endorse or adopt the information contained in this report.

No part of this work may be reproduced, copied, published, communicated or adapted in any form or by any means (electronic or otherwise) without the express written permission of Australian Meat Processor Corporation Ltd. All rights are expressly reserved. Requests for further authorisation should be directed to the Executive Chairman, AMPC, Suite 2, Level 6, 99 Walker Street North Sydney NSW.

## 1.0 Abstract

This project developed a Data Entry App to collect data in a central location that is easy to use for all AMPC staff initially focusing on Production, HR and Environmental matrix with further data metrics will be considered into the future.

The full purpose of this project is to have a platform that AMPC staff to collect the data when talking to our membership on site visits etc that can then be used in the Toustone BI tool.

The data from this tool will provide the data to be feed into relevant reporting industry dashboards for AMPC to gain a better understanding of our membership and the industry which in turn will lead to more focused projects.

## 2.0 Executive summary

The purpose of the project was to create a tool that AMPC staff can use to collect data that can be used for project 2021-1124 Data Metric Baseline Establishment. This tool is a Data Entry App and the project included support of the Data Entry App for a period of two years.

The project methodology included the development of 3 Data Capture Screens:

- 1.0 Processor Production Data Screen
- 2.0 Environmental (Survey) Data Screen
- 3.0 HR data entry screen

Each of these data entry screens has been created in a user-friendly app environment that AMPC staff can easily access to enter data and identify any gaps in the data.

The Data Entry App has been in place for 2 years providing a means for meat processors to add data for their own use and for benchmarking across the industry. The data collected via the Data Entry App has been used to support other projects including 2021-1124 Data Metric Baseline Establishment and 2024-1077 Industry Metrics (Innovation Manager Program).

The original 3 Data Capture Screens have been expanded into 7 screens:

- Processor Production Data Screen
- Annual Production Data Screen
- Quarterly Production Data Screen
- Annual Environmental (Survey) Data Screen
- Annual HR Data Entry Screen
- Quarterly HR Data Entry Screen
- Dropdown Items Data Screen

The Dropdown Item screen allows users to dynamically add their own options to dropdown menus on the other screens.

Integration with Yellowfin dashboards has been set up with both automatic and manual data synchronisation.

The Data Entry Screens have provided a means for processors as well as internal AMPC data to collected and analysed.

## 3.0 Introduction

As many state who want data ... data is the key to everything, and those who are anti data ... data is pointless if it is not accurate or leveraged to make decisions that then change the data values moving forward.

The above statement of those who want and those that don't want, but both use motherhood statements to ask or prevent data insights initiatives from materializing can only be addressed by an opt-in bit by bit 'take them on the journey' approach.

This project will aim to collect that data in a central location that is easy to use for all AMPC staff initially focusing on Production, HR and Environmental matrix with further data metrics will be considered into the future.

The full purpose of this project is to have a platform that AMPC staff to collect the data when talking to our membership on site visits etc that can then be used in the Toustone BI tool. The data from this tool will provide the data to be feed into relevant reporting industry dashboards for AMPC to gain a better understanding of our membership and the industry which in turn will lead to more focused projects.

## 4.0 Project objectives

To create a tool that AMPC staff can use to collect data that can be used for project 2021-1124 Data Metric Baseline Establishment. This tool is a Data Entry App. This project includes the support of the Data Entry App for a period of two years and may look to be extended in the future.

## 5.0 Methodology

- 1.0 Create a Processor Production Data Screen
- 2.0 Create an Environmental (Survey) Data Screen
- 3.0 Create a HR data entry screen

Each of these data entry screens will be created in a user-friendly app environment that AMPC staff can easily access to enter data and identify any gaps in the data.

# 6.0 Results

## Quarterly Production Screen

AMPC

ANNUAL MEAT PROCESSOR CONNECTION

QUARTERLY PRODUCTION

SYNC DATA WAREHOUSE

LOGOUT

CREATE QUARTERLY PRODUCTION RECORD

DELETE RECORD

REFRESH

Quarterly Productions

Actions	Processor
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Australian Country Choice-Cannon Hills
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Australian Meat Group-AMG Cootamundra
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Australian Meat Group-AMG Dandenong
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Australian Meat Group-Cootamundra-2
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Australian Meat Group-Cootamundra-2
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Australian Meat Group-Dandenong-25
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Australian Meat Group-Dandenong-25
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Ausvision Meat Processors Pty Ltd -Beaufort River
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Ausvision Meat Processors Pty Ltd -Beaufort River
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Ausvision Meat Processors Pty Ltd -Beaufort River
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Ausvision Meat Processors Pty Ltd -Beaufort River
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Biggenden Meats-Biggenden-2024
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Biggenden Meats-Biggenden-2024
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Blenner's Wholesale Meats-El Arish-2024
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Blenner's Wholesale Meats-El Arish-2024

Species Processed

Total Head Capacity Per Year

Offal - Edible / Co-Products Sold

Skins / Hides Sold

Total HsCW Processed for Quarter

Harvest/Slaughter

Shifts

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

Morning

Afternoon

Evening

Number of Lines Per Room

Average Line Speed (Hd/hr)

Fabrication/Boning Room

Shifts

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

Morning

Afternoon

Evening

Species Processed	Skins / Hides Sold	Total HsCW Processed for Quarter	Total Head Processed for Quarter	Total Hd
	0	0	0	
	0	0	0	
	0	0	0	
	0	5376000	16800	
	32400	53130000	33000	
	75317	20352503.9	59922	
	14526	21065348	60478	
	97497	2166149	0	
	0	0	0	
	97620	216663	-	
	97620	216663	-	
	0	0	-	
	0	0	-	
	0	0	0	
	0	0	0	

## Annual Production Screen

AMPC

ANNUAL MEAT PROCESSOR CONNECTION

ANNUAL PRODUCTION

SYNC DATA WAREHOUSE

LOGOUT

CREATE ANNUAL PRODUCTION RECORD

DELETE RECORD

REFRESH

Annual Productions

Actions	Processor
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Australian Country Choice-Cannon Hills
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Australian Meat Group-AMG Cootamundra
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Australian Meat Group-Dandenong-2
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Ausvision Meat Processors Pty Ltd -Beaufort River
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Ausvision Meat Processors Pty Ltd -Beaufort River
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Dardanup Butchering Company-DBC - Port
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Dardanup Butchering Company-Port
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Fletcher International Pty Ltd-Benale Pty Ltd
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Fletcher International Exports-Fletcher Da
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Fletcher International Pty Ltd-Benale (Fletcher Intern
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Greenham-Gippsland-2023
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Greenham-Smithton -2023
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Greenham-Tongala-2023
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	Hillside Meat Processors Pty Ltd-Hillside Meat Processors
<input type="checkbox"/> EDIT <input type="button" value="DUPLICATE"/>	JBS Australia-Bordertown-2024

Annual Production

Core Information

Processor

Financial Year

Species Processed

BOVINE

Species Processed

Bovine

Fabrication/Boning Room

Hot Boning %

AVG % Domestic

AVG % Export

AVG % Chilled

AVG % Frozen

Load Out Chilled Carton Rate

Load Out Frozen Carton Rate

Performance

Containers / Wk (20ft)

Containers / Wk (40ft)

Species Processed	Frozen Carton Rate	Fabrication/Boning Room	Hot Boning %	AVG % Domestic	AVG % Export
	250	SIDE_BONING	0	0	0
	0	SIDE_BONING	-	-	-
	0	SIDE_BONING	-	-	-
	0	SIDE_BONING	0	0	0
	0	SIDE_BONING	0	0	0
	15	SIDE_BONING	0	100	0
	15	SIDE_BONING	0	100	0
	-	SIDE_BONING	95.7	1	99
	0	SIDE_BONING	78	22	78
	0	SIDE_BONING	63	50	50
	0	SIDE_BONING	0	0	0
	0	SIDE_BONING	0	0	0
	0	SIDE_BONING	0	0	0
	-	SIDE_BONING	0	1	99
	0	SIDE_BONING	0	20	80

## Annual Human Resource Screen

AMPC

ANNUAL HUMAN RESOURCE

SYNC DATA WAREHOUSE

LOGOUT

CREATE ANNUAL HUMAN RESOURCE RECORD

DELETE RECORD

REFRESH

Annual Human Resources

Actions		Processor
<input type="checkbox"/>	EDIT	Australian Meat Group-AMG Cootamundra
<input type="checkbox"/>	EDIT	Australian Meat Group-AMG Dandenong
<input type="checkbox"/>	EDIT	Australian Meat Processors Pty Ltd - Beaufort River
<input type="checkbox"/>	EDIT	Dandenup Butchering Company OBC - P
<input type="checkbox"/>	EDIT	Fletcher International Exports Fletcher Da
<input type="checkbox"/>	EDIT	Fletcher International Pty Ltd-Benale (Fletcher Intern
<input type="checkbox"/>	EDIT	Greenham-Gippsland-2023
<input type="checkbox"/>	EDIT	Greenham-Smithton -2023
<input type="checkbox"/>	EDIT	Greenham-Tongala-2023
<input type="checkbox"/>	EDIT	JBS Australia-Bordertown-2024
<input type="checkbox"/>	EDIT	JBS Australia-JBS Dimmore-2023
<input type="checkbox"/>	EDIT	JBS Australia-JBS Rockhampton-20
<input type="checkbox"/>	EDIT	Jbs Australia-longford -2024
<input type="checkbox"/>	EDIT	Jimbour Beef Bacon-Jimbour-2024

Annual Human Resource

Core Information

ProcessorFinancial Year

General HR

How Many Females have been Promoted to Senior Leaders...How Many Indigenous People have been Promoted to Leader...Average Length of Service

5 Main Reasons for Leaving

Reason #1Reason #2Reason #3Reason #4Reason #5

Training

Do You Use Your Own Registered Training Organisation (...XQualifications Offered

5 Main Reasons for Leaving

Reason #2	Reason #3	Reason #4	Reason #5	Do You Use Your Own Regi
Personal	Other	Other	Other	
Personal	Other	Other	Other	
Personal	Other	Other	Other	
Other	Other	Other	Poor Culture	
Personal	Other	Other	Other	
Personal	Other	Other	Other	
Personal	Other	Other	Other	
Personal	Other	Other	Other	
Personal	Other	Other	Other	
Personal	Other	Other	Other	
Personal	Other	Other	Other	
Personal	Other	Other	Other	
Personal	Other	Other	Other	
Personal	Other	Other	Other	
Personal	Other	Other	Other	

Dropdown Item Screen

AMPC

DROPDOWN ITEM

SYNC DATA WAREHOUSE

LOGOUT

CREATE DROPDOWN ITEM RECORD

DELETE RECORD

REFRESH

Dropdown Items

Actions		Screen	Field Name	Dropdown Item Value
<input type="checkbox"/>	EDIT	ANNUAL HUMAN RESOURCE	leaveReasons	Overwork
<input type="checkbox"/>	EDIT			Personal
<input type="checkbox"/>	EDIT			Lack of Recognition
<input type="checkbox"/>	EDIT			Pay Rate
<input type="checkbox"/>	EDIT			Management
<input type="checkbox"/>	EDIT			No Career Advancement
<input type="checkbox"/>	EDIT			Other
<input type="checkbox"/>	EDIT			Team Members
<input type="checkbox"/>	EDIT			Benefits
<input type="checkbox"/>	EDIT			Lack of Professional Development

Dropdown Item

Item Details

ScreenField

Dropdown Item Value

CANCELSAVE

Data Warehouse Sync Process

### Data Warehouse Sync Process

Status: **No process running**  
Changes Pending: **NO**

STATUS	START TIME	END TIME	RUN TIME	USER
SUCCEEDED	2025-03-28 04:00	2025-03-28 04:01	1	Scheduled Sync
SUCCEEDED	2025-03-27 04:00	2025-03-27 04:01	1	Scheduled Sync
SUCCEEDED	2025-03-26 04:00	2025-03-26 04:00	0	Scheduled Sync
SUCCEEDED	2025-03-25 04:00	2025-03-25 04:01	1	Scheduled Sync
SUCCEEDED	2025-03-24 04:00	2025-03-24 04:01	1	Scheduled Sync

REFRESH

CLOSE

START PROCESS

## 7.0 Discussion

The Data Entry App has in place security to ensure users only see their processor data, ensuring the privacy and confidentiality of participating Meat Processors. Users can easily create a new record. The below examples are drawn from the Admin user, thus the multiple processors available for selection. The security functions will only allow processors ability to select from or see those assigned to the individual user.

### Quarterly Human Resource

#### Core Information

Processor

Wodonga Rendering Pty Ltd-Wodonga Abattoir-2023

Toustone-Albury-2023

Tasmania Quality Meats-Tasmania Quality Meats-2020

VV Walsh-VV Walsh-2020

Greenham-Greenham-2020

Dardanup-Dardanup-2020

Total Number Of Company Employed Staff	Total Number Of Labour Hire Employees
Total Number Of 457 & 482, 403	Total Number Of 417 Visa Holders
Total Number Of Other Visa Holders	Total Number Of Males
Total Number Of Females	Total Number Non-Identified

Ease of data entry has been enhanced with the implementation of separate data entry screens for annual and quarterly metrics, reducing errors. The data entry also allows duplication of entry to reduce time to update, especially when the metrics don't change significantly between entries. An example of this functionality can be seen below.

PROCESSOR ▼ LOGOUT

CREATE PROCESSOR RECORD

DELETE RECORD ...

REFRESH

Processors

Filter Q

Actions							Facilities (Y or N)							
		Company Name	Site Name	Abattoir Address	Species	Valid From	Integrated Feedlot	Slaughter	Boning	Chiller	Hide Processing	Rendering		
<input type="checkbox"/>	<div>EDIT</div>	<div>DUPLICATE</div>	Wodonga Rendering Pty Ltd	Wodonga Abattoir	54 Kelly St Wodonga VIC 3690	BOVINE, OVINE and CAPRINE	2023	NO	YES	YES	YES	NO	YES	
<input type="checkbox"/>	<div>EDIT</div>	<div>DUPLICATE</div>	VV Walsh	VV Walsh			2020	NO	NO	NO	NO	NO	NO	
<input type="checkbox"/>	<div>EDIT</div>	<div>DUPLICATE</div>	Toustone	Albury	Dean Street	Beef	2023	NO	NO	NO	NO	NO	YES	
<input type="checkbox"/>	<div>EDIT</div>	<div>DUPLICATE</div>	Tasmania Quality Meats	Tasmania Quality Meats			2020	NO	NO	NO	NO	NO	NO	
<input type="checkbox"/>	<div>EDIT</div>	<div>DUPLICATE</div>	Greenham	Greenham			2020	NO	NO	NO	NO	NO	NO	
<input type="checkbox"/>	<div>EDIT</div>	<div>DUPLICATE</div>	Dardanup	Dardanup			2020	NO	NO	NO	NO	NO	NO	

Records per page: 50 ▼ 1-6 of 6

Help icons are available for some inputs. These icons provide support to the user by including information such as unit of measure, definition of the input etc. thus providing needed context. The following is an example of the Annual Environment Data Entry Screen with the “?” icon engaged showing the additional detail available for the selected metric.

Core Information

Processor

The Meat Processing Company-MPC-2023 ▼

Valid From

2023

Water

Total Water Intake to Site

123

Demand Met By Recycled Water

Water Use Efficiency Target

445

Wastewater Discharge From Site

Quality Of Untreated Wastewater

456

?

P, N, BOD, FOG

Nutrient Content Of Discharge To Rivers

?

Energy

Total Energy Use

16

Energy Efficiency Target

Electricity From Grid

789

Diesel

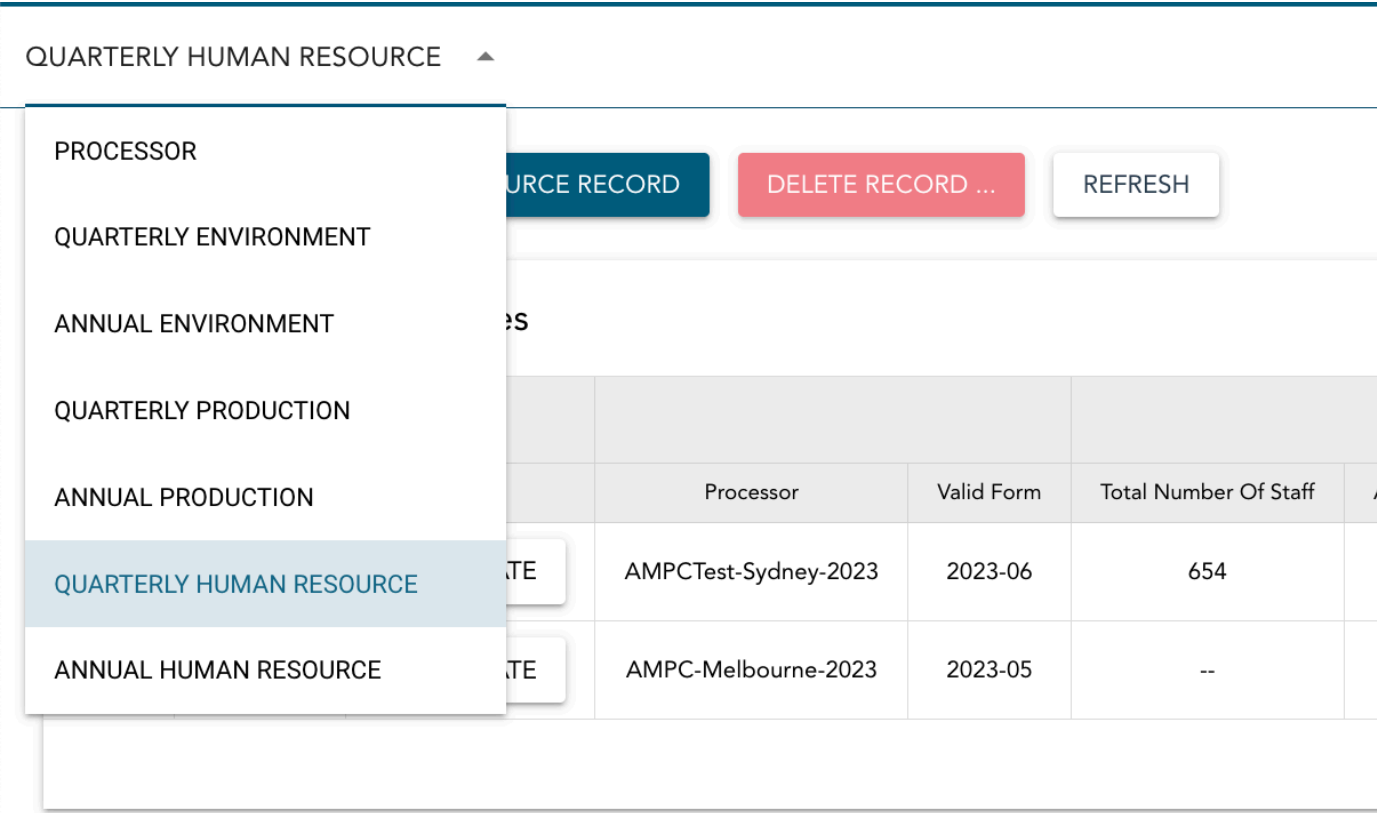
Coal (Specify Type)

435

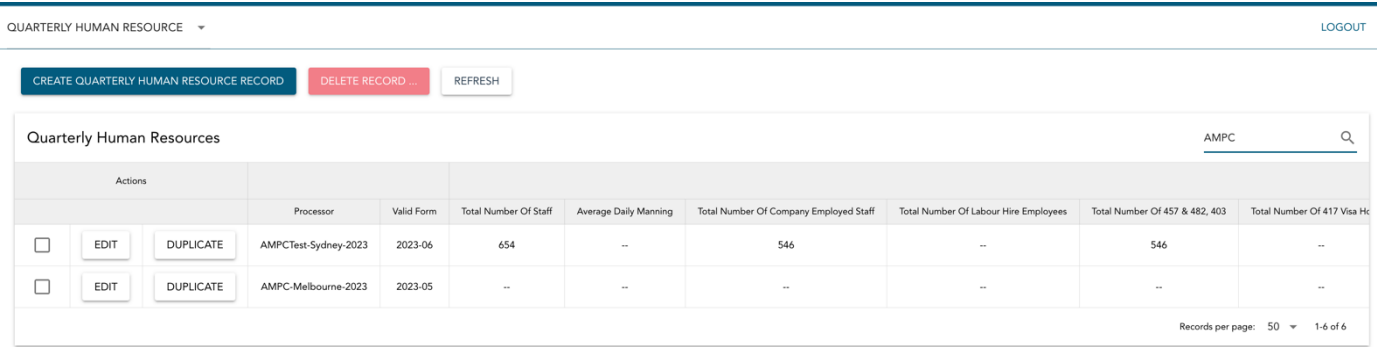
Bituminous (Or If Type Unknown)

The user is further supported through the logical ordering of inputs, grouped to make it easier to find the input value needed and to understand what it is related to. An example of the screens available to the user for selection is shown below.





Search functions are available to enhance the user experience. An example of the search feature is shown below.



The platform is stable and available as required.

## 8.0 Recommendations

Enhancement opportunities exist to make the most the Data Entry App and its functionality could include:

- Addition of details to add to the input help icons to support users and provide them with more context
- Allow UOM to be selected for some of the energy inputs along with calculations to convert to a base UOM

The development of a reporting environment to allow baseline reporting and Meat Processors to determine where they stand compared to industry averages was an earlier recommendation of this project. This recommendation is being implemented. Incentives for Meat Processors to utilise the Data Entry App should continue into the future.

## 9.0 Conclusions

The Data Capture Screens have been a success and become an integral part of AMPC's data analytics solution providing a means for data collection from processors and internal AMPC staff.

## 10.0 Project outputs

The Data Entry App has been in place for 2 years providing a means for meat processors to add data for their own use and for benchmarking across the industry. The data collected via the Data Entry App has been used to support other projects including 2021-1124 Data Metric Baseline Establishment and 2024-1077 Industry Metrics (Innovation Manager Program).

The original 3 Data Capture Screens have been expanded into 7 screens:

- Processor Production Data Screen
- Annual Production Data Screen
- Quarterly Production Data Screen
- Annual Environmental (Survey) Data Screen
- Annual HR Data Entry Screen
- Quarterly HR Data Entry Screen
- Dropdown Items Data Screen

The Dropdown Item screen allows users to dynamically add their own options to dropdown menus on the other screens.

Integration with Yellowfin dashboards has been set up with both automatic and manual data synchronisation.