

United States Department of Agriculture (USDA)
Agricultural Marketing Service (AMS)



**MyMarketNews API &
Livestock Mandatory Price Reporting
in Microsoft Excel
User Guide, v1.3**

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Change History

Date	Change	Version
11 APR 18	Initial Draft	1.0
17 APR 18	Added Livestock Mandatory Price Reporting Web Service to Excel Section	1.1
16 APR 19	Updates to document to reference API v1.1	1.2
29 AUG 19	Corrected spelling error on page 5 and clarified where API Key goes.	1.3

1 MyMarketNews API To Excel Overview

This overview provides instructions to basic Excel users on how to connect to the MyMarketNews Application Programming Interface (API) and access the desired data. This document goes step by step.

1.1 Purpose of MyMarketNews API to Excel Help Guide

Both Microsoft Excel 2016, and 2013 (with the optional Power Query Tab installed) support data calls to web based API. The Microsoft 2013 Power Query Tab can be downloaded [here](#)¹. In Excel 2016, the Tab is called “Data”. These instructions show how to link data sources to the MyMarketNews API from Excel file and automatically refresh to pull the latest data.

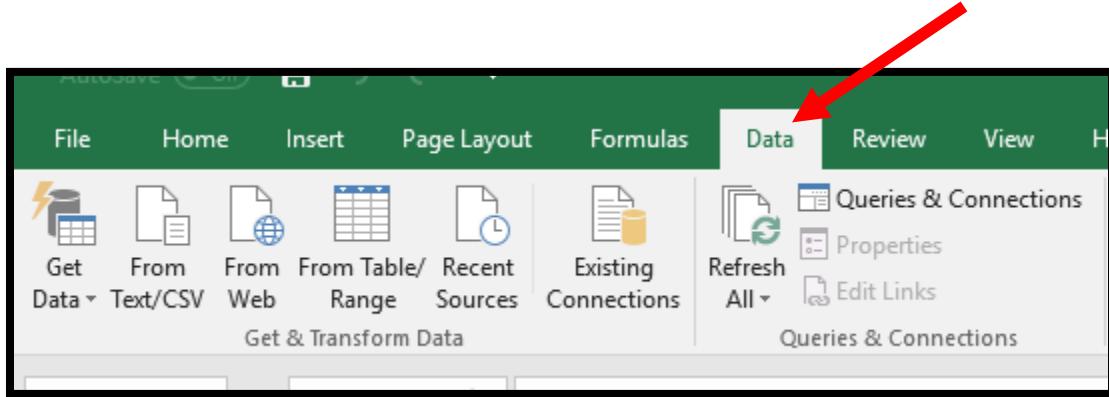


Figure 1 MS Excel Data Tab Toolbar

1.2 Document Audience

This overview was written to assist basic Excel users in configuring their Microsoft Excel 2013 or 2016 to pull MyMarketNews data automatically into their own environment or network.

2 Usage

In order to know specifically what reports are available, it is recommended that a Table of Contents be pulled from the MyMarketNews API before beginning your query.

2.1 Starting a new MyMarketNews API request

To start a new MyMarketNews API connection, click “From Web” on the Data Tab in Excel.

¹ <https://www.microsoft.com/en-us/download/details.aspx?id=39379>

Enter the following URL to retrieve the table of contents from the MyMarketNews API: <https://marsapi.ams.usda.gov/services/v1.1/reports>. Click “OK”. The screen will pause for a few seconds while the request is made to the MyMarketNews API. The screen will refresh.



Figure 2 "From Web" Menu.

The first time a Data Source is configured to access the MyMarketNews API, a key is required. Select the “Basic” Tab and enter the MyMarketNews API key that is associated with your E-Auth account into the **User name** field. Each registered user has a personal API key that can be found at [My Market News](#)² in the user profile. Click “Connect”.

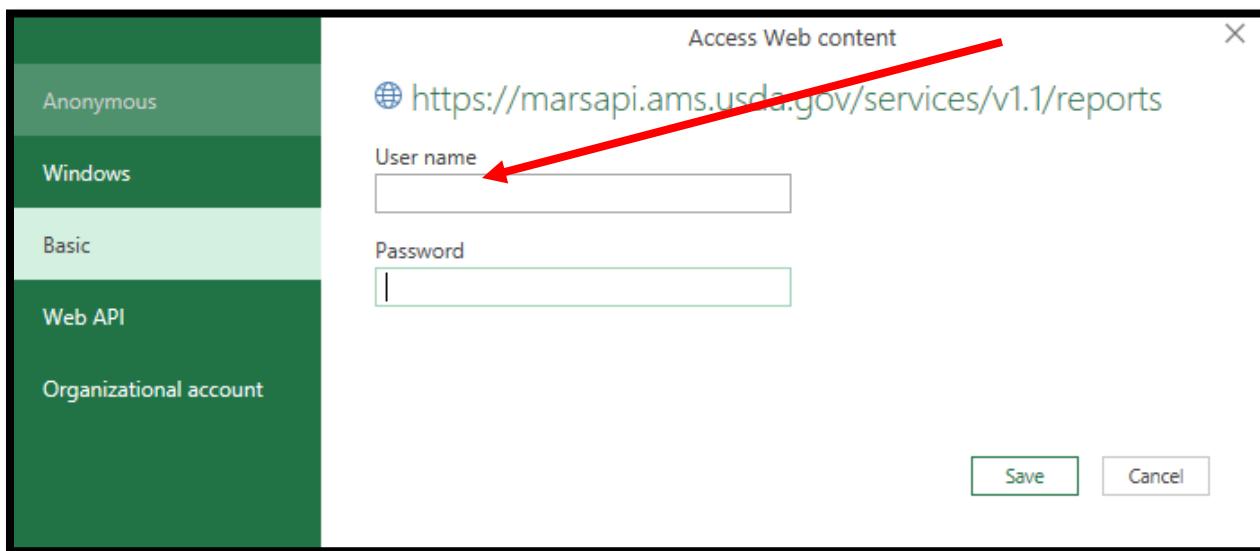


Figure 3 Basic Authentication Form

² <https://mymarketnews.ams.usda.gov>

The page will refresh and the Query Editor will launch.

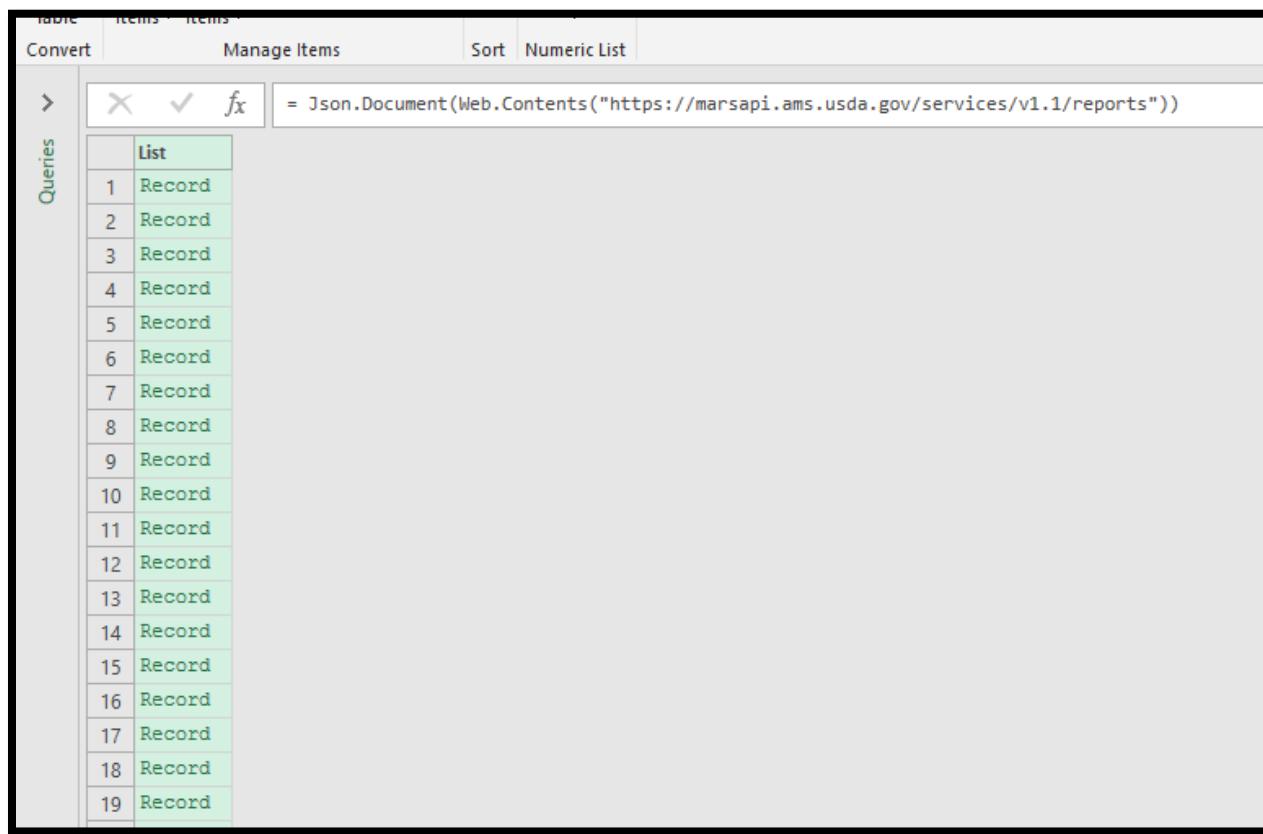


Figure 4 Microsoft Query Editor

Place your mouse over the column heading titled “List”. Right click your mouse and select “Copy Entire List”

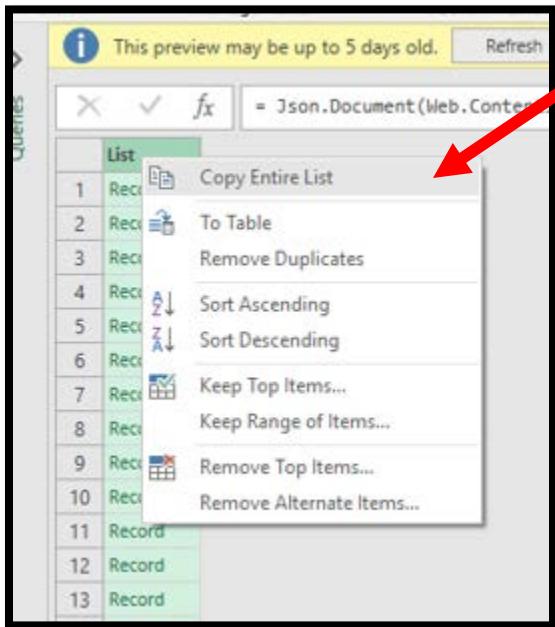


Figure 5 Click Copy Entire List

Click the “To Table” button



Figure 6 Click To Table Convert

A menu will appear. Click “OK”



Figure 7 To Table Selection Menu

The screen will refresh. There will be an icon to the right of “Column1”.



Figure 8 Column Selection

Click the “Double Arrow” icon. The screen will refresh. Click “OK”.

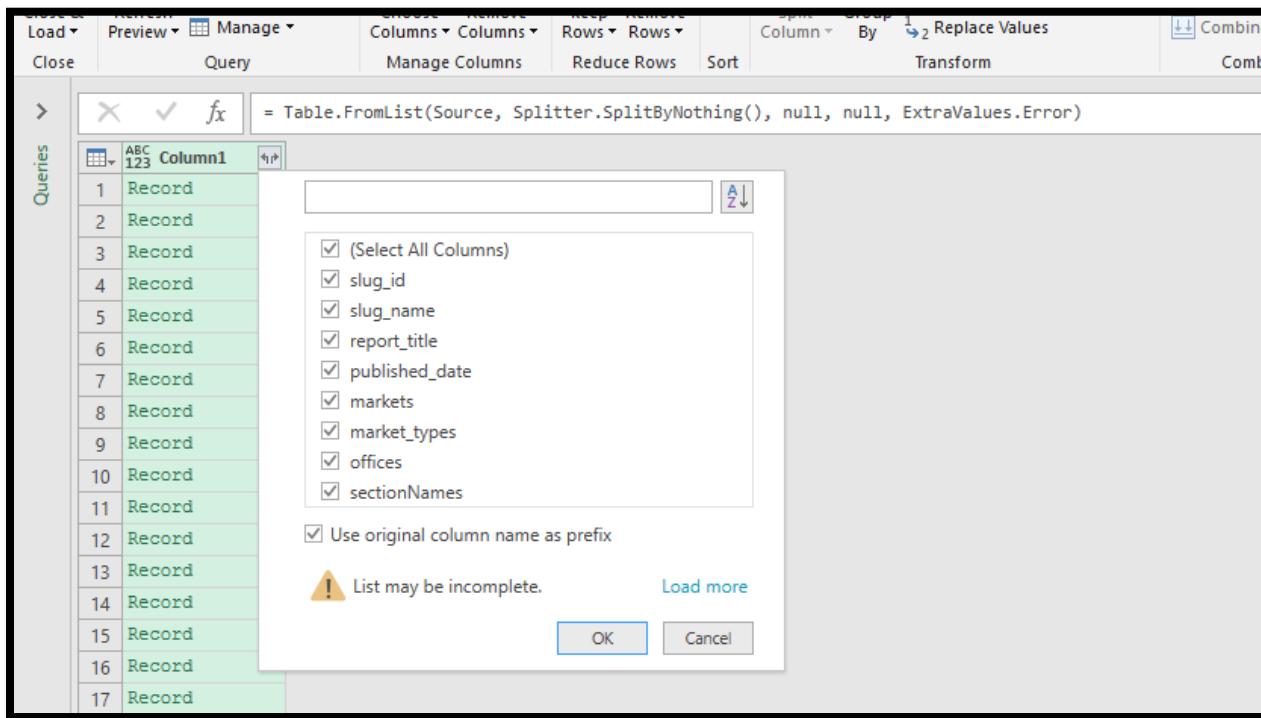


Figure 9 Column Selection Options

The screen will refresh again and show the following:

	ABC 123 Column1.slug_id	ABC 123 Column1.slug_name	ABC 123 Column1.report_title	ABC 123 Column1.published_date	ABC 123 Column1.markets	ABC 123 Column1.market_types
1	1034	MD_DA105	Whey - Western & Eastern Europe Report	2019-03-28 08:35:23.543	List	List
2	1035	MD_DA106	Skim Milk Powder - Europe	2019-03-28 08:37:59.177	List	List
3	1036	MD_DA107	Whole Milk Powder - Europe	2019-03-28 08:40:27.937	List	List
4	1038	MD_DA126	Skim Milk Powder - Oceania	2019-03-28 08:25:20.167	List	List
5	1039	MD_DA127	Whole Milk Powder - Oceania	2019-03-28 08:27:08.023	List	List
6	1041	MD_DA136	Skim Milk Powder - South America	2019-03-28 08:25:02.237	List	List
7	1042	MD_DA137	Whole Milk Powder - South America	2019-03-28 08:25:01.407	List	List
8	1043	MD_DA340	Buttermilk - Western U.S.	2019-03-28 09:30:02.89	List	List
9	1044	MD_DA350	Buttermilk - Eastern and Central U.S.	2019-03-28 09:30:02.537	List	List
10	1045	MD_DA530	Dry Whey - Central Report	2019-03-28 09:30:03.667	List	List
11	1046	MD_DA540	Dry Whey - Western U.S.	2019-03-28 09:30:11.26	List	List
12	1047	MD_DA560	Dry Whey - Eastern U.S.	2019-03-28 09:30:02.207	List	List
13	1048	MD_DA640	Nonfat Dry Milk - Western U.S.	2019-03-28 09:30:01.02	List	List
14	1049	MD_DA650	Nonfat Dry Milk - Eastern and Central U.S.	2019-03-28 09:30:03.253	List	List
15	1050	MD_DA710	Dry Whole Milk - U.S.	2019-03-28 09:51:59.57	List	List
16	1051	MD_DA751	National Casein Report for U.S. Imports	2019-03-28 09:38:31.04	List	List
17	1052	MD_DA770	Lactose - Central and Western U.S.	2019-03-28 09:30:00.693	List	List
18	1053	MD_DA771	Whey Protein Concentrate - Central and Western U.	2019-03-28 09:30:01.91	List	List
19	1082	MD_DA128	Cheese - Oceania	2019-03-28 08:29:43.633	List	List
20	1083	MD_DA830	Cheese - Midwestern U.S.	2019-03-27 11:55:00.987	List	List
21	1084	MD_DA810	Cheese - Northeastern U.S.	2019-03-27 09:55:03.093	List	List
22	1085	MD_DA840	Cheese - Western U.S.	2019-03-27 14:25:00.617	List	List
23	1089	MD_DA431	Butter - Central U.S.	2019-03-27 14:25:01.197	List	List
24	1090	MD_DA410	Butter - Eastern U.S.	2019-03-27 07:24:42.423	List	List
25	1091	MD_DA440	Butter - Western U.S.	2019-03-27 14:25:02.283	List	List
26	1092	MD_DA811	Cheese - Foreign Type	2019-03-27 09:55:02.62	List	List
27	1095	MD_DA953	Weekly Cold Storage Holding - U.S.	2017-09-29 00:00:00.0	List	List
28	1098	MD_DA104	Butter/Butteroil - Europe	2019-03-28 08:32:56.89	List	List
29	1099	MD_DA124	Butter - Oceania	2019-03-28 08:25:01.817	List	List
30	1100	MD_DA230	Fluid Milk and Cream - Central U.S.	2019-03-28 09:30:35.08	List	List
31	1101	MD_DA210	Fluid Milk And Cream Review - Eastern U.S.	2019-03-27 11:55:00.477	List	List

Figure 10 All Columns Shown

Click the “Close and Load” button. This will load all data into a new Excel worksheet.

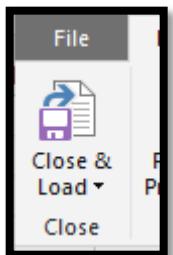


Figure 11 Close and Load Button

The worksheet will pause for a few second while the data is pulled from the MyMarketNews API. The screen will refresh and look like:

	A	B	C	D
1	Column1.slug_id	Column1.slug_name	Column1.report_name	
2	1034	MD_DA105	Dairy Individual Commodity Report	
3	1035	MD_DA106	Dairy Individual Commodity Report	
4	1036	MD_DA107	Dairy Individual Commodity Report	
5	1038	MD_DA126	Dairy Individual Commodity Report	
6	1039	MD_DA127	Dairy Individual Commodity Report	
7	1041	MD_DA136	Dairy Individual Commodity Report	
8	1042	MD_DA137	Dairy Individual Commodity Report	
9	1043	MD_DA340	Dairy Individual Commodity Report	
10	1044	MD_DA350	Dairy Individual Commodity Report	
11	1045	MD_DA530	Dairy Individual Commodity Report	
12	1046	MD_DA540	Dairy Individual Commodity Report	
13	1047	MD_DA560	Dairy Individual Commodity Report	
14	1048	MD_DA640	Dairy Individual Commodity Report	
15	1049	MD_DA650	Dairy Individual Commodity Report	
16	1050	MD_DA710	Dairy Individual Commodity Report	
17	1051	MD_DA751	Dairy Individual Commodity Report	
18	1052	MD_DA770	Dairy Individual Commodity Report	
19	1053	MD_DA771	Dairy Individual Commodity Report	
20	1082	MD_DA128	Dairy Individual Commodity Report	
21	1083	MD_DA830	Dairy Individual Commodity Report	
22	1084	MD_DA810	Dairy Individual Commodity Report	
23	1085	MD_DA840	Dairy Individual Commodity Report	
24	1089	MD_DA431	Dairy Individual Commodity Report	
25	1090	MD_DA410	Dairy Individual Commodity Report	
26	1091	MD_DA440	Dairy Individual Commodity Report	
27	1092	MD_DA811	Dairy Foreign Type Cheese Report	
28	1095	MD_DA953	Cold Storage Weekly Report	
29	1605	dybretail	National Retail Dairy	
30	1098	MD_DA104	Dairy Consolidated Commodity Report	
31	1099	MD_DA124	Dairy Consolidated Commodity Report	
32	1100	MD_DA230	Dairy Consolidated Commodity Report	
33	1101	MD_DA210	Dairy Consolidated Commodity Report	
34	1102	MD_DA240	Dairy Consolidated Commodity Report	
35	1591	MD_DA199	Dairy International Dairy Market News Worksheet	
36	1317	MD_DA641	Dairy CME California Plants NFDM Report	
37	1598	MD_DA599	Dry Products Worksheet	
38				

Figure 12 Columns of Data Shown In Excel Worksheet

Now that we have a complete list of all available reports, you can now pull a specific report. Let's go ahead and pull the "Cold Storage Weekly Report".

2.2 Pulling a specific report from the MyMarketNews API

Click on a new Worksheet in the Excel file. Click "From Web" on the Data Tab.

Using the example on the MyMarketNews website, we will use this string (<https://marsapi.ams.usda.gov/services/v1.1/reports/1095>). The 1095 is Slug ID for the Cold Storage Weekly Report. If you wish to pull a different report, replace the Slug ID with the desired report number. Click "OK".



Figure 13 From Web Input Form

This screen will show, while all the data is pulled:



Figure 14 Connecting Status Menu

The Query Editor menu will display:

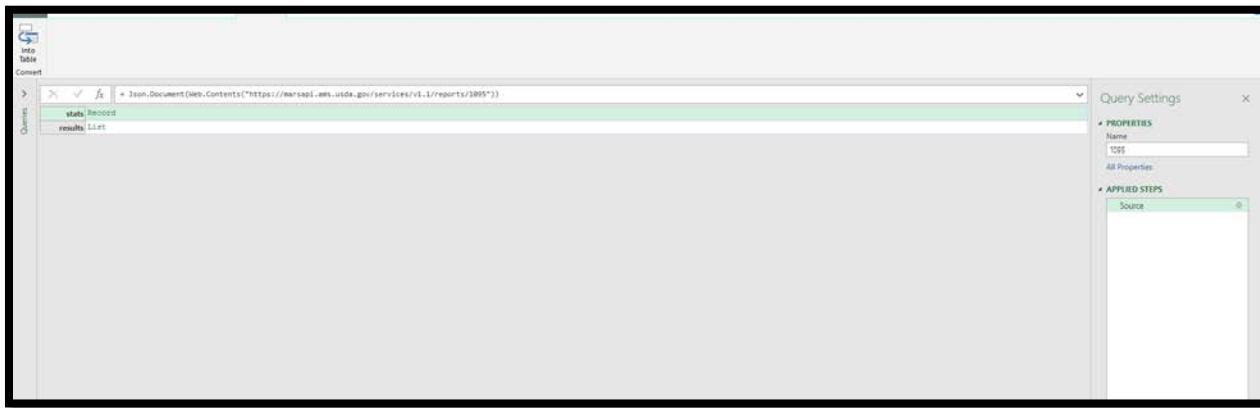


Figure 15 Microsoft Query Editor Displayed

Place your mouse on the column titled “List” in green and right click. Select “Drill Down”.

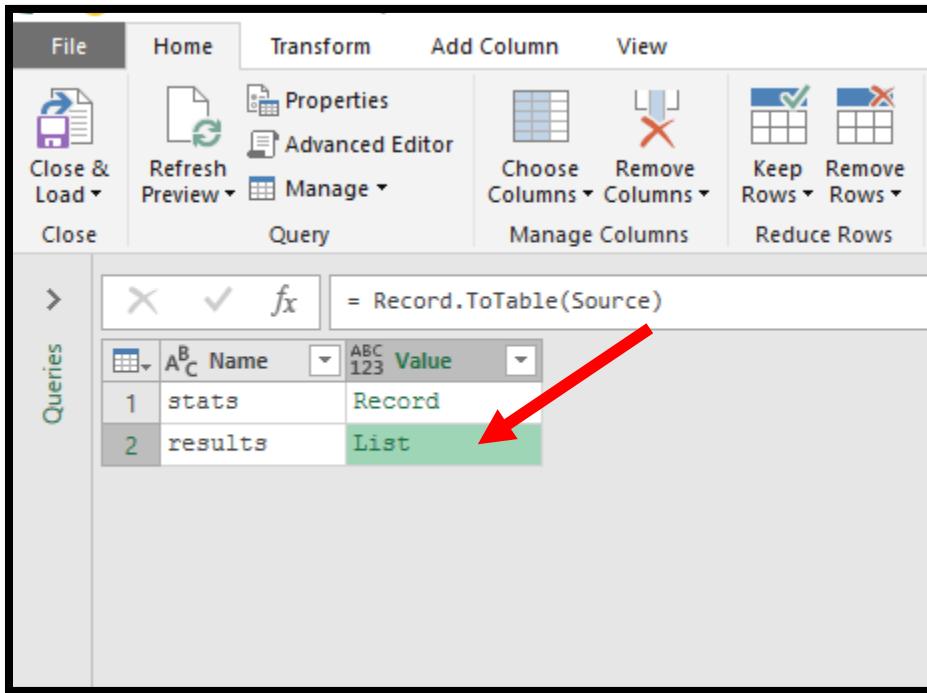


Figure 16 Selection of Drill Down

The screen will refresh and display as below.

The screenshot shows the Microsoft Power Query Editor interface. The title bar reads "1095 - Power Query Editor". The ribbon has tabs for File, Home, Transform, Add Column, View, and Transform. The "Transform" tab is selected. On the left, there's a "Queries" pane with a tree view showing a single item under "List". The main area displays a table with 29 rows, each labeled "Record". The formula bar at the top shows the expression: = "#Converted to Table">{1}[Value]. The table columns are unnamed and have a light green background.

	Record
1	Record
2	Record
3	Record
4	Record
5	Record
6	Record
7	Record
8	Record
9	Record
10	Record
11	Record
12	Record
13	Record
14	Record
15	Record
16	Record
17	Record
18	Record
19	Record
20	Record
21	Record
22	Record
23	Record
24	Record
25	Record
26	Record
27	Record
28	Record
29	Record

Figure 17 Transform Tab of Query Editor

Right click your mouse over the Column titled “List” and select “To Table”

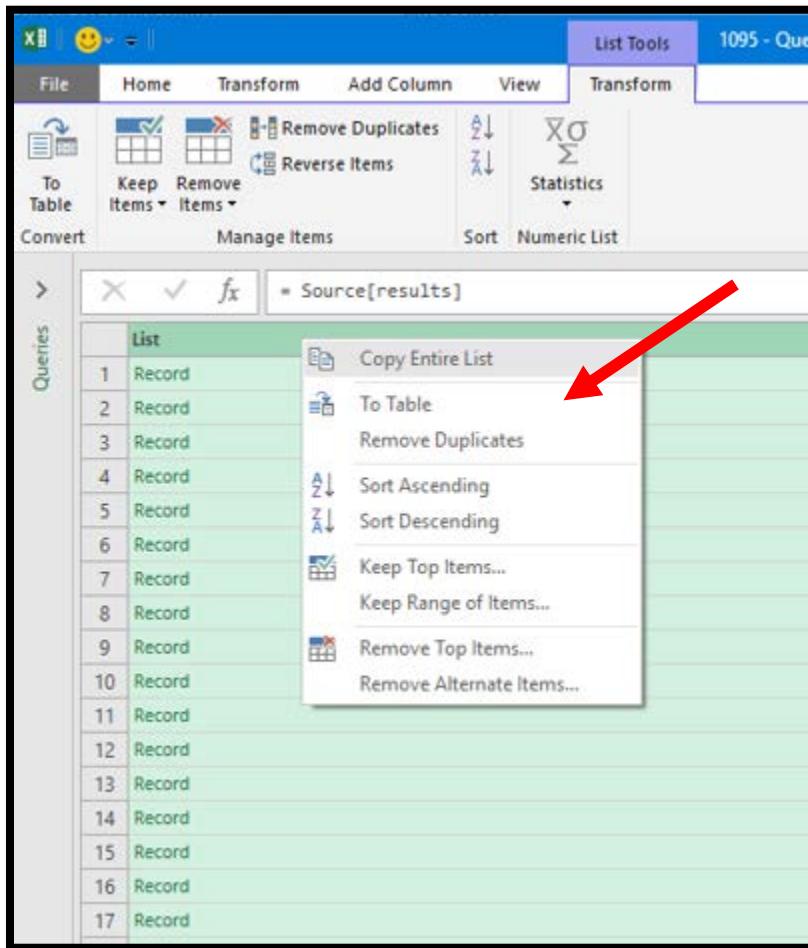


Figure 18 Transform Tab "Copy Entire List" Option

Click the “To Table” button



Figure 19 To Table Convert Button

A menu will appear. Click “OK”

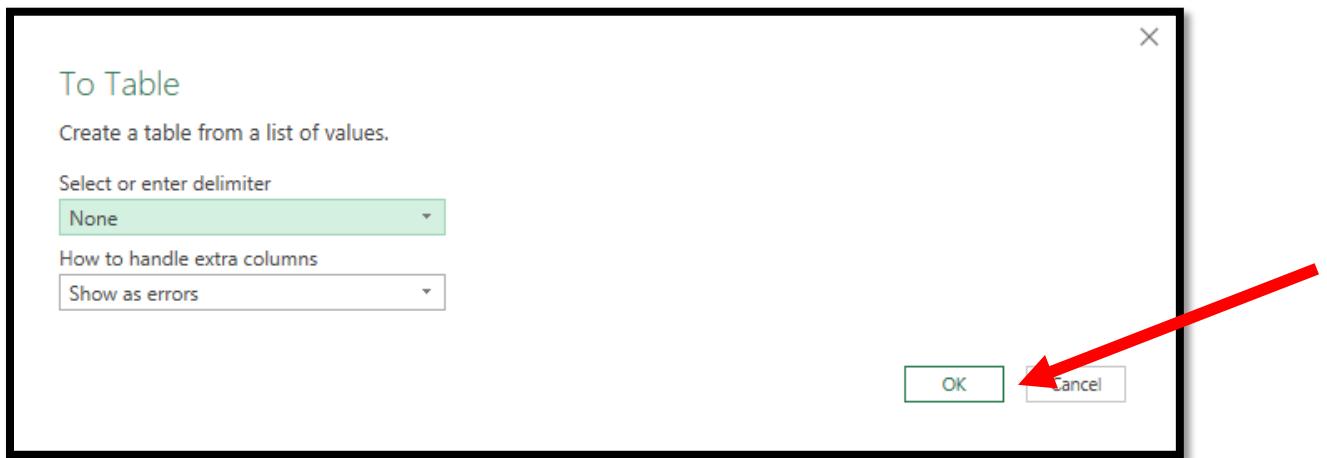


Figure 20 "To Table" Menu

The screen will refresh and display as below.

The screenshot shows the Microsoft Query Editor window titled '1095 - Query Editor'. The ribbon menu includes File, Home, Transform, Add Column, and View. The Home tab is selected, showing various transformation tools like Properties, Advanced Editor, and Manage Columns. The main area displays a table with one column named 'Column1' containing 29 records, each labeled 'Record'. The status bar at the bottom shows '1 COLUMN, 500 ROWS'.

Figure 21 Query Editor with data shown

The screen will refresh. There will be an icon to the right of “Column1”. Click the “Double Arrow” icon. The screen will refresh. Click “Ok”.



Figure 22 Click Double Arrow to expand

The screen will refresh and show. Click “Ok”. If you want to exclude columns from importing, de-select the columns here and click “Ok”

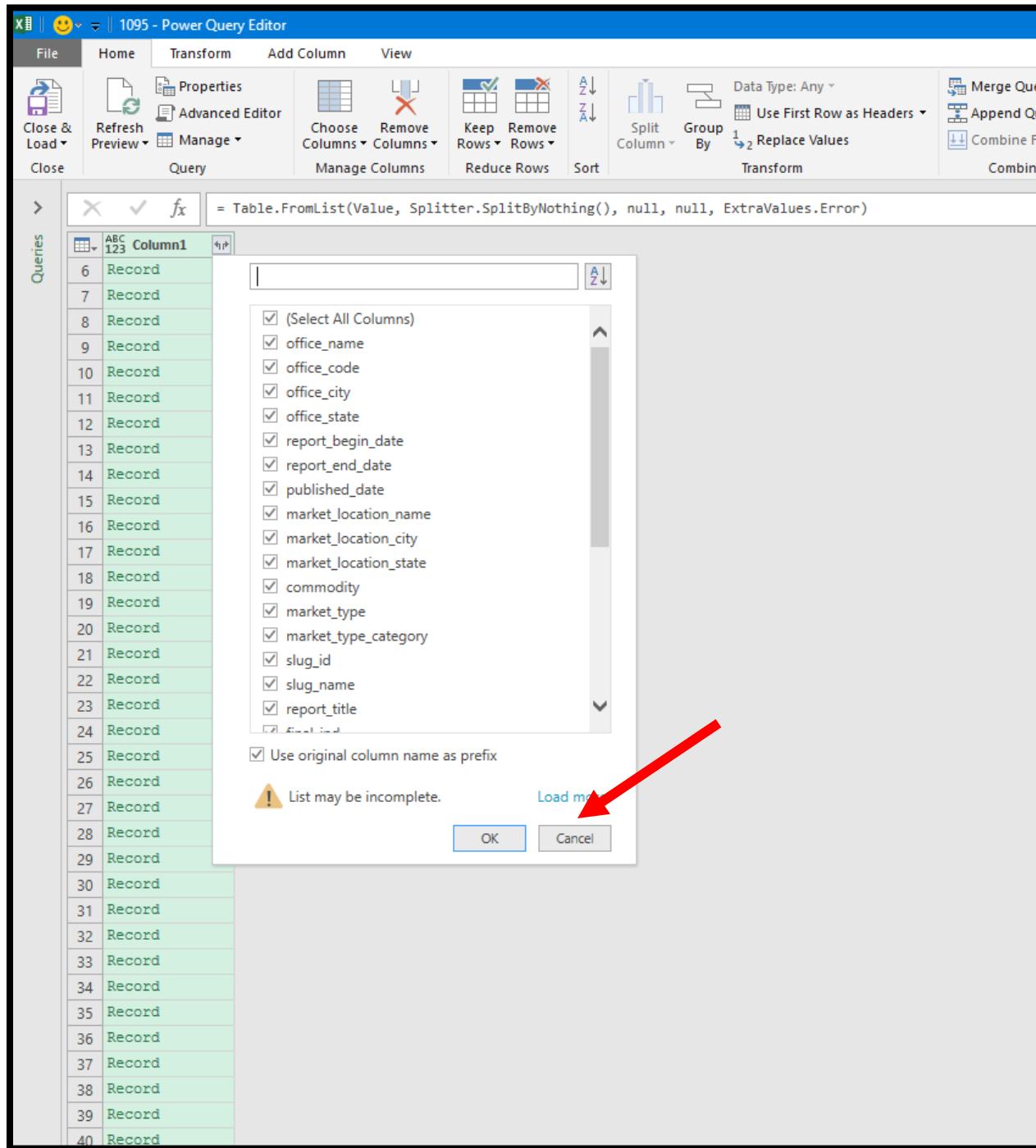


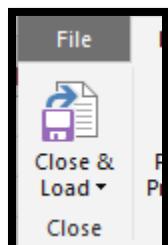
Figure 23 Column Selection Menu

The screen will refresh and appear like this.

ABC 123 Column1	office_name	ABC 123 Column1	office_code	ABC 123 Column1	office_city	ABC 123 Column1	office_state	ABC 123 Column1	report_begin_date	ABC 123 Column1	report_end_date	ABC 123 Column1	published_date
1	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	04/08/2019	ABC 123 Column1	04/12/2019	ABC 123 Column1	04/10/2019 15:06:54
2	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	04/08/2019	ABC 123 Column1	04/12/2019	ABC 123 Column1	04/10/2019 15:06:54
3	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	04/01/2019	ABC 123 Column1	04/05/2019	ABC 123 Column1	04/03/2019 11:55:00
4	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	04/01/2019	ABC 123 Column1	04/05/2019	ABC 123 Column1	04/03/2019 11:55:00
5	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	03/25/2019	ABC 123 Column1	03/29/2019	ABC 123 Column1	03/27/2019 11:55:01
6	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	03/25/2019	ABC 123 Column1	03/29/2019	ABC 123 Column1	03/27/2019 11:55:01
7	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	03/18/2019	ABC 123 Column1	03/22/2019	ABC 123 Column1	03/20/2019 08:37:23
8	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	03/18/2019	ABC 123 Column1	03/22/2019	ABC 123 Column1	03/20/2019 08:37:23
9	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	03/11/2019	ABC 123 Column1	03/15/2019	ABC 123 Column1	03/13/2019 08:22:30
10	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	03/11/2019	ABC 123 Column1	03/15/2019	ABC 123 Column1	03/13/2019 08:22:30
11	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	03/04/2019	ABC 123 Column1	03/08/2019	ABC 123 Column1	03/06/2019 06:51:59
12	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	03/04/2019	ABC 123 Column1	03/08/2019	ABC 123 Column1	03/06/2019 06:51:59
13	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	02/25/2019	ABC 123 Column1	03/01/2019	ABC 123 Column1	02/27/2019 08:58:34
14	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	02/25/2019	ABC 123 Column1	03/01/2019	ABC 123 Column1	02/27/2019 08:58:34
15	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	02/18/2019	ABC 123 Column1	02/22/2019	ABC 123 Column1	02/20/2019 10:54:10
16	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	02/18/2019	ABC 123 Column1	02/22/2019	ABC 123 Column1	02/20/2019 10:54:10
17	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	02/11/2019	ABC 123 Column1	02/15/2019	ABC 123 Column1	02/13/2019 06:01:18
18	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	02/11/2019	ABC 123 Column1	02/15/2019	ABC 123 Column1	02/13/2019 06:01:18
19	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	02/04/2019	ABC 123 Column1	02/08/2019	ABC 123 Column1	02/06/2019 09:24:05
20	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	02/04/2019	ABC 123 Column1	02/08/2019	ABC 123 Column1	02/06/2019 09:24:05
21	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	01/28/2019	ABC 123 Column1	02/01/2019	ABC 123 Column1	01/30/2019 09:44:54
22	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	01/28/2019	ABC 123 Column1	02/01/2019	ABC 123 Column1	01/30/2019 09:44:54
23	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	01/21/2019	ABC 123 Column1	01/25/2019	ABC 123 Column1	01/23/2019 08:17:46
24	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	01/21/2019	ABC 123 Column1	01/25/2019	ABC 123 Column1	01/23/2019 08:17:46
25	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	01/14/2019	ABC 123 Column1	01/18/2019	ABC 123 Column1	01/16/2019 07:56:57
26	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	01/14/2019	ABC 123 Column1	01/18/2019	ABC 123 Column1	01/16/2019 07:56:57
27	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	01/07/2019	ABC 123 Column1	01/11/2019	ABC 123 Column1	01/09/2019 10:06:27
28	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	01/07/2019	ABC 123 Column1	01/11/2019	ABC 123 Column1	01/09/2019 10:06:27
29	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	12/31/2018	ABC 123 Column1	01/04/2019	ABC 123 Column1	01/02/2019 13:27:54
30	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	12/31/2018	ABC 123 Column1	01/04/2019	ABC 123 Column1	01/02/2019 13:27:54
31	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	12/24/2018	ABC 123 Column1	12/28/2018	ABC 123 Column1	12/27/2018 06:46:17
32	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	12/24/2018	ABC 123 Column1	12/28/2018	ABC 123 Column1	12/27/2018 06:46:17
33	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	12/17/2018	ABC 123 Column1	12/21/2018	ABC 123 Column1	12/19/2018 11:42:31
34	Madison	ABC 123 Column1	DA-MD	ABC 123 Column1	Madison	ABC 123 Column1	WI	ABC 123 Column1	12/17/2018	ABC 123 Column1	12/21/2018	ABC 123 Column1	12/19/2018 11:42:31

Figure 24 Columns of Data Shown

Select “Close and Load” button.



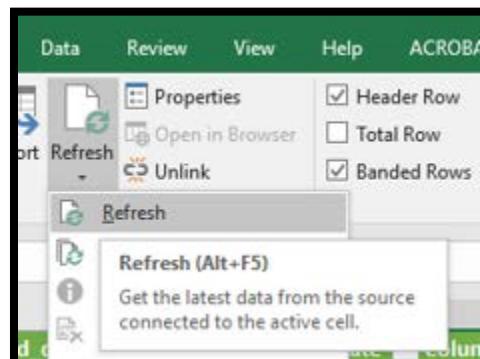
The screen will refresh and appear as below. You have successfully pulled data from the MyMarketNews API. You are free to manipulate, modify, or delete data here. This is your local

copy of this data.

Column1	office_name	Column1	office_code	Column1	office_city	Column1	office_state	Column1	report_begin_date	Column1	report_end_date	Column1	published_date	Column1	market_location_name	Column1	mark
2	Madison	DA-MD		Madison	WI	04/08/2019		04/12/2019		04/10/2019 15:06:54		National Cold Storage					
3	Madison	DA-MD		Madison	WI	04/08/2019		04/12/2019		04/10/2019 15:06:54		National Cold Storage					
4	Madison	DA-MD		Madison	WI	04/01/2019		04/05/2019		04/03/2019 11:55:00		National Cold Storage					
5	Madison	DA-MD		Madison	WI	04/01/2019		04/05/2019		04/03/2019 11:55:00		National Cold Storage					
6	Madison	DA-MD		Madison	WI	03/25/2019		03/29/2019		03/27/2019 11:55:01		National Cold Storage					
7	Madison	DA-MD		Madison	WI	03/25/2019		03/29/2019		03/27/2019 11:55:01		National Cold Storage					
8	Madison	DA-MD		Madison	WI	03/18/2019		03/22/2019		03/20/2019 08:37:23		National Cold Storage					
9	Madison	DA-MD		Madison	WI	03/18/2019		03/22/2019		03/20/2019 08:37:23		National Cold Storage					
10	Madison	DA-MD		Madison	WI	03/11/2019		03/15/2019		03/13/2019 08:32:30		National Cold Storage					
11	Madison	DA-MD		Madison	WI	03/11/2019		03/15/2019		03/13/2019 08:22:30		National Cold Storage					
12	Madison	DA-MD		Madison	WI	03/04/2019		03/08/2019		03/06/2019 06:51:59		National Cold Storage					
13	Madison	DA-MD		Madison	WI	03/04/2019		03/08/2019		03/06/2019 06:51:59		National Cold Storage					
14	Madison	DA-MD		Madison	WI	02/25/2019		03/01/2019		02/27/2019 08:58:34		National Cold Storage					
15	Madison	DA-MD		Madison	WI	02/25/2019		03/01/2019		02/27/2019 08:58:34		National Cold Storage					
16	Madison	DA-MD		Madison	WI	02/18/2019		02/22/2019		02/20/2019 10:54:10		National Cold Storage					
17	Madison	DA-MD		Madison	WI	02/18/2019		02/22/2019		02/20/2019 10:54:10		National Cold Storage					
18	Madison	DA-MD		Madison	WI	02/11/2019		02/15/2019		02/13/2019 08:01:18		National Cold Storage					
19	Madison	DA-MD		Madison	WI	02/11/2019		02/15/2019		02/13/2019 08:01:18		National Cold Storage					
20	Madison	DA-MD		Madison	WI	02/04/2019		02/08/2019		02/06/2019 09:24:05		National Cold Storage					
21	Madison	DA-MD		Madison	WI	02/04/2019		02/08/2019		02/06/2019 09:24:05		National Cold Storage					
22	Madison	DA-MD		Madison	WI	01/28/2019		02/01/2019		01/30/2019 09:45:54		National Cold Storage					
23	Madison	DA-MD		Madison	WI	01/28/2019		02/01/2019		01/30/2019 09:45:54		National Cold Storage					
24	Madison	DA-MD		Madison	WI	01/21/2019		01/25/2019		01/23/2019 08:74:46		National Cold Storage					
25	Madison	DA-MD		Madison	WI	01/21/2019		01/25/2019		01/23/2019 08:74:46		National Cold Storage					
26	Madison	DA-MD		Madison	WI	01/14/2019		01/18/2019		01/16/2019 07:56:57		National Cold Storage					
27	Madison	DA-MD		Madison	WI	01/14/2019		01/18/2019		01/16/2019 07:56:57		National Cold Storage					
28	Madison	DA-MD		Madison	WI	01/07/2019		01/11/2019		01/09/2019 10:06:27		National Cold Storage					
29	Madison	DA-MD		Madison	WI	01/07/2019		01/11/2019		01/09/2019 10:06:27		National Cold Storage					
30	Madison	DA-MD		Madison	WI	12/31/2018		01/04/2019		01/02/2019 13:27:54		National Cold Storage					
31	Madison	DA-MD		Madison	WI	12/31/2018		01/04/2019		01/02/2019 13:27:54		National Cold Storage					
32	Madison	DA-MD		Madison	WI	12/24/2018		12/28/2018		12/27/2018 06:46:17		National Cold Storage					
33	Madison	DA-MD		Madison	WI	12/24/2018		12/28/2018		12/27/2018 06:46:17		National Cold Storage					
34	Madison	DA-MD		Madison	WI	12/17/2018		12/21/2018		12/19/2018 11:42:31		National Cold Storage					
35	Madison	DA-MD		Madison	WI	12/17/2018		12/21/2018		12/19/2018 11:42:31		National Cold Storage					
36	Madison	DA-MD		Madison	WI	12/10/2018		12/14/2018		12/12/2018 11:53:30		National Cold Storage					
37	Madison	DA-MD		Madison	WI	12/10/2018		12/14/2018		12/12/2018 11:53:30		National Cold Storage					
38	Madison	DA-MD		Madison	WI	12/03/2018		12/07/2018		12/04/2018 13:01:56		National Cold Storage					
39	Madison	DA-MD		Madison	WI	12/03/2018		12/07/2018		12/04/2018 13:01:56		National Cold Storage					

Figure 25 Report Data Displayed in New Sheet

At any time, if you want to refresh the data, click the “Refresh” button. The Excel file will automatically pull the data again from the MyMarketNews API.



3 Livestock Mandatory Price Reporting System Web Service to Excel

3.1 Overview

The Livestock Mandatory Price Reporting System (LMPRS) offers a public facing Web Service that allowd users to query for publicly released aggregated data reports. The Help Guide for this web service is available <https://mpr.ams.usda.gov/mpr/webServiceGuide.pdf>.

This web service is dated, has limited filtering capabilities, and only offers XML data extraction. It is expected that in 2020, LMPRS data will be available in MyMarketNews. Once on MyMarketNews, our customers can pull this data through the API in a Json format.

This guide explains how to create query strings using the URL to request data and provides provides several examples on how to tailor the data to the desired results. The examples use the LM_CT100 5 Area Daily Weight Average Direct Slaughter Cattle – Negotiated report, but these instructions apply to any LMPRS report.

3.2 Implementation

By referencing the Help Guide (<https://mpr.ams.usda.gov/mpr/webServiceGuide.pdf>) , there are several working examples to pull from. Users are free to tweek the URL to the data query they desire.

The URL for pulling “LM_CT100, 5 Area Daily Weighted Average Direct Slaughter Cattle – Negotiated” for data between 01/08/2018 and 01/12/2018, below is:

[https://mpr.datamart.ams.usda.gov/ws/report/v1/cattle/LM_CT100?filter=\[{"filters": \[{"fieldName": "Report%20date", "operatorType": "BETWEEN", "values": \["01/08/2018", "01/12/2018"\]}\]}\]}](https://mpr.datamart.ams.usda.gov/ws/report/v1/cattle/LM_CT100?filter=[{)

Select File >> Save As

```
<xml version="1.0" encoding="UTF-8" />
<results exportTime="2018-01-17 08:19:32 CDT">
- <report label="5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated" slug="LM_CT100">
- <record report_date="01/12/2018" previous_day_head_count="5,539" narrative="null">
- <report label="Detail">
<record class_desc="Steer" selling_basis_description="Dressed" grade_description="Over 80% Choice" head_count="1,012" weight_range_low="872" weight_range_high="961" weight_range_avg="911.5" price_range_high="193.00" weighted_avg_price="190.96" />
<record class_desc="Steer" selling_basis_description="Dressed" grade_description="65 - 80% Choice" head_count="215" weight_range_low="859" weight_range_high="899" weight_range_avg="874" price_range_high="191.00" weighted_avg_price="190.74" />
<record class_desc="Steer" selling_basis_description="Dressed" grade_description="35 - 65% Choice" head_count="n/a" weight_range_low="n/a" weight_range_high="n/a" weight_range_avg="n/a" weighted_avg_price="n/a" />
<record class_desc="Steer" selling_basis_description="Dressed" grade_description="0 - 35% Choice" head_count="n/a" weight_range_low="n/a" weight_range_high="n/a" weight_range_avg="n/a" weighted_avg_price="n/a" />
<record class_desc="Steer" selling_basis_description="Dressed" grade_description="Total all grades" head_count="1,227" weight_range_low="859" weight_range_high="961" weight_range_avg="911.5" price_range_high="193.00" weighted_avg_price="190.96" />
<record class_desc="Steer" selling_basis_description="Live" grade_description="Over 80% Choice" head_count="805" weight_range_low="1,400" weight_range_high="1,550" weight_range_avg="1,475" price_range_high="192.00" weighted_avg_price="190.59" />
<record class_desc="Steer" selling_basis_description="Live" grade_description="65 - 80% Choice" head_count="108" weight_range_low="1,450" weight_range_high="1,450" weight_range_avg="1,450" price_range_high="120.00" weighted_avg_price="120.00" />
<record class_desc="Steer" selling_basis_description="Live" grade_description="35 - 65% Choice" head_count="479" weight_range_low="1,500" weight_range_high="1,500" weight_range_avg="1,500" price_range_high="120.00" weighted_avg_price="120.00" />
<record class_desc="Steer" selling_basis_description="Live" grade_description="0 - 35% Choice" head_count="n/a" weight_range_low="n/a" weight_range_high="n/a" weight_range_avg="n/a" weighted_avg_price="n/a" />
<record class_desc="Steer" selling_basis_description="Dressed" grade_description="Over 80% Choice" head_count="313" weight_range_low="788" weight_range_high="886" weight_range_avg="836" price_range_high="193.00" weighted_avg_price="192.57" />
<record class_desc="Helper" selling_basis_description="Dressed" grade_description="65 - 80% Choice" head_count="155" weight_range_low="832" weight_range_high="832" weight_range_avg="832" price_range_high="191.00" weighted_avg_price="191.00" />
<record class_desc="Helper" selling_basis_description="Dressed" grade_description="35 - 65% Choice" head_count="n/a" weight_range_low="n/a" weight_range_high="n/a" weight_range_avg="n/a" weighted_avg_price="n/a" />
<record class_desc="Helper" selling_basis_description="Dressed" grade_description="0 - 35% Choice" head_count="n/a" weight_range_low="n/a" weight_range_high="n/a" weight_range_avg="n/a" weighted_avg_price="n/a" />
<record class_desc="Helper" selling_basis_description="Dressed" grade_description="Total all grades" head_count="470" weight_range_low="788" weight_range_high="886" weight_range_avg="824" price_range_high="193.00" weighted_avg_price="192.05" />
<record class_desc="Helper" selling_basis_description="Live" grade_description="Over 80% Choice" head_count="932" weight_range_low="1,275" weight_range_high="1,400" weight_range_avg="1,338" price_range_high="123.25" weighted_avg_price="121.25" />
<record class_desc="Helper" selling_basis_description="Live" grade_description="65 - 80% Choice" head_count="114" weight_range_low="1,135" weight_range_high="1,135" weight_range_avg="1,135" price_range_high="119.00" weighted_avg_price="119.00" />
<record class_desc="Helper" selling_basis_description="Live" grade_description="35 - 65% Choice" head_count="52" weight_range_low="1,285" weight_range_high="1,285" weight_range_avg="1,285" price_range_high="119.00" weighted_avg_price="119.00" />
<record class_desc="Helper" selling_basis_description="Live" grade_description="0 - 35% Choice" head_count="n/a" weight_range_low="n/a" weight_range_high="n/a" weight_range_avg="n/a" weighted_avg_price="n/a" />
<record class_desc="Helper" selling_basis_description="Live" grade_description="Total all grades" head_count="1,098" weight_range_low="1,135" weight_range_high="1,400" weight_range_avg="1,301" price_range_high="123.25" weighted_avg_price="120.95" />
</report>
<record report_date="01/11/2018" previous_day_head_count="11,871" narrative="null">
- <report label="Detail">
<record class_desc="Steer" selling_basis_description="Dressed" grade_description="Over 80% Choice" head_count="320" weight_range_low="940" weight_range_high="960" weight_range_avg="950" price_range_high="193.00" weighted_avg_price="192.90" />
```

Figure 26 LMPRS Data shown in XML format

The filename will populate with your selected data set. Save to a local location. Select “Save”.

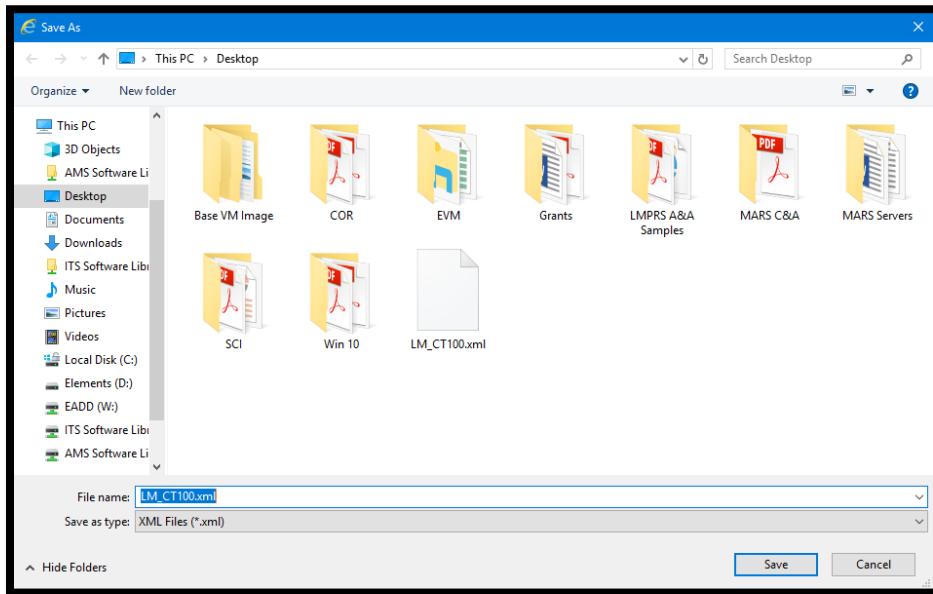


Figure 27 Save XML File down to your local machine

Open Microsoft Excel with a blank Worksheet.

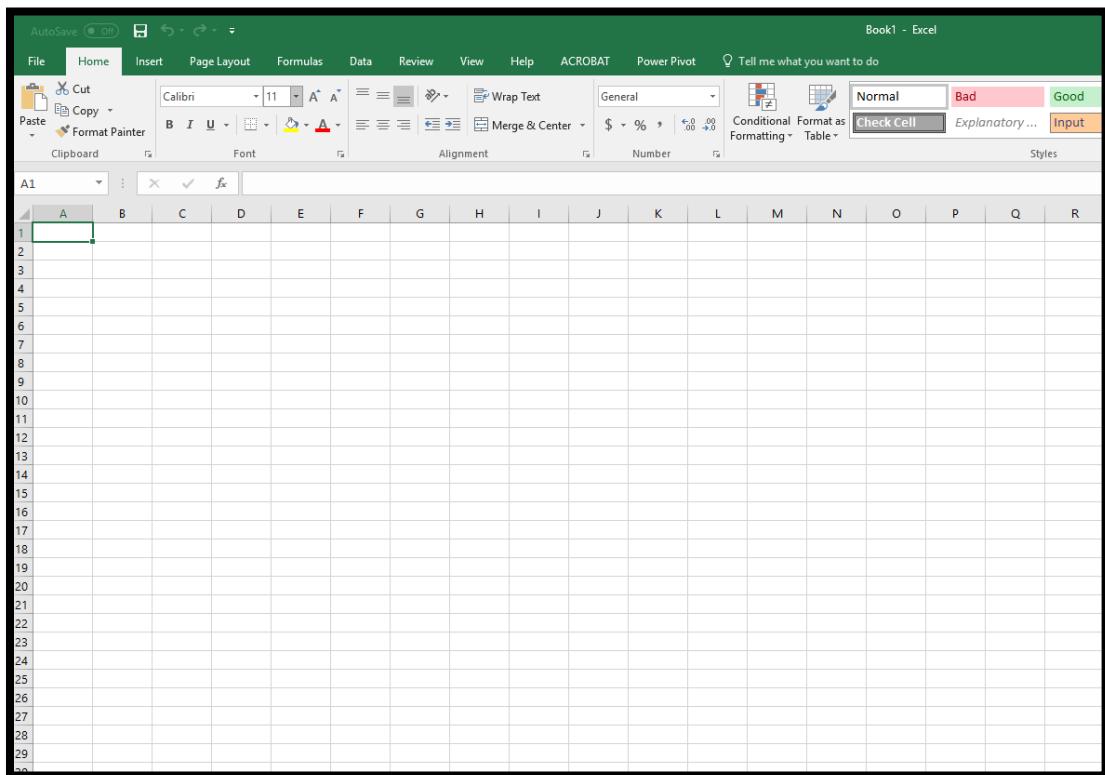


Figure 28 Excel with blank worksheet

Select File >> Open >> Browse >> Select XML file. Select Open.

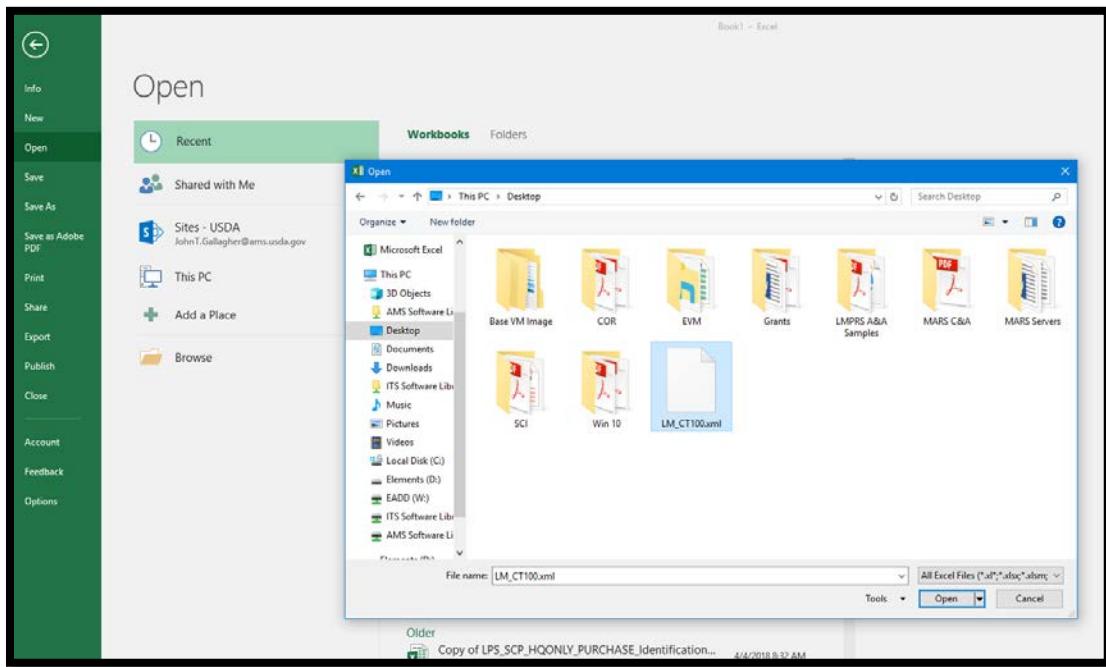


Figure 29 Select XML file

A menu will appear. Leave the default selection and select “Ok”.

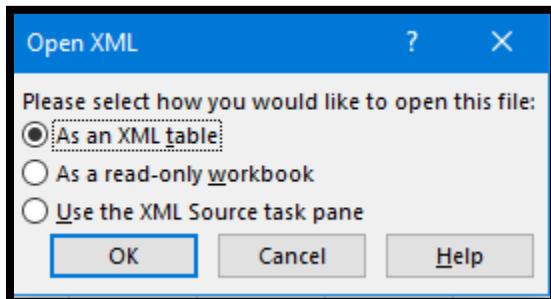


Figure 30 Leave default selection and select OK

Data will automatically import and display as below:

reportTime	label	slug	reportDate	previousDayHeadCount	narrative	labelSet	classDescription	sellingBasisDescription	gradeDescription	headCount	weightRange
2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_01/12/2018	\$,539	null	Detail Steer	Dressed	Over 80% Choice	3,012	672		
3	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_01/12/2018	\$,539	null	Detail Steer	Dressed	65 - 80% Choice	215	859	
4	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_01/12/2018	\$,539	null	Detail Steer	Dressed	35 - 65% Choice	null	null	
5	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_01/12/2018	\$,539	null	Detail Steer	Dressed	0 - 35% Choice	null	null	
6	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/12/2018	\$,539	null	Detail Steer	Dressed	Total all grades	1,227	609	
7	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/12/2018	\$,539	null	Detail Steer	Dressed	Over 80% Choice	607	1,400	
8	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/12/2018	\$,539	null	Detail Steer	Dressed	65 - 80% Choice	598	1,400	
9	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/12/2018	\$,539	null	Detail Steer	Dressed	35 - 65% Choice	679	1,300	
10	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/12/2018	\$,539	null	Detail Steer	Dressed	0 - 35% Choice	null	null	
11	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_01/12/2018	\$,539	null	Detail Steer	Live	Total all grades	1,392	1,400	
12	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_01/12/2018	\$,539	null	Detail Heifer	Dressed	Over 80% Choice	315	788	
13	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_01/12/2018	\$,539	null	Detail Heifer	Dressed	65 - 80% Choice	155	832	
14	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_01/12/2018	\$,539	null	Detail Heifer	Dressed	35 - 65% Choice	null	null	
15	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_01/12/2018	\$,539	null	Detail Heifer	Dressed	0 - 35% Choice	null	null	
16	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_01/12/2018	\$,539	null	Detail Heifer	Dressed	Total all grades	470	788	
17	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_01/12/2018	\$,539	null	Detail Heifer	Live	Over 80% Choice	932	1,275	
18	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_01/12/2018	\$,539	null	Detail Heifer	Live	65 - 80% Choice	114	1,135	
19	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_01/12/2018	\$,539	null	Detail Heifer	Live	35 - 65% Choice	52	1,285	
20	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_01/12/2018	\$,539	null	Detail Heifer	Live	0 - 35% Choice	null	null	
21	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/12/2018	\$,539	null	Detail Steer	Dressed	Total all grades	1,298	1,135	
22	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/12/2018	\$,539	null	Detail Steer	Dressed	Over 80% Choice	500	540	
23	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/12/2018	\$,539	null	Detail Steer	Dressed	65 - 80% Choice	518	595	
24	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/12/2018	\$,539	null	Detail Steer	Dressed	35 - 65% Choice	576	582	
25	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/12/2018	\$,539	null	Detail Steer	Dressed	0 - 35% Choice	null	null	
26	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/11/2018	\$,1,871	null	Detail Steer	Dressed	Total all grades	1,434	582	
27	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/11/2018	\$,1,871	null	Detail Steer	Live	Over 80% Choice	2,468	1,350	
28	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/11/2018	\$,1,871	null	Detail Steer	Live	65 - 80% Choice	798	1,300	
29	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/11/2018	\$,1,871	null	Detail Steer	Live	35 - 65% Choice	103	1,350	
30	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/11/2018	\$,1,871	null	Detail Steer	Live	0 - 35% Choice	null	null	
31	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/11/2018	\$,1,871	null	Detail Steer	Live	Total all grades	3,364	1,300	
32	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/11/2018	\$,1,871	null	Detail Heifer	Dressed	Over 80% Choice	589	772	
33	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/11/2018	\$,1,871	null	Detail Heifer	Dressed	65 - 80% Choice	null	null	
34	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/11/2018	\$,1,871	null	Detail Heifer	Dressed	35 - 65% Choice	null	null	
35	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/11/2018	\$,1,871	null	Detail Heifer	Dressed	0 - 35% Choice	null	null	
36	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/11/2018	\$,1,871	null	Detail Heifer	Dressed	Total all grades	599	779	
37	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/11/2018	\$,1,871	null	Detail Heifer	Live	Over 80% Choice	1,259	1,130	
38	2018-04-17 08:19:32 COT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100_03/11/2018	\$,1,871	null	Detail Heifer	Live	65 - 80% Choice	430	1,150	

Figure 31 Imported XML Data showing.

The import of LMPRS data into the spreadsheet is static. It is not dynamically connected to LMPRS, as is the MyMarketNews API is.

The AMS team is working to incorporate LMPRS data into the MyMarketNews API so that in the future, users will be able to have both voluntary and mandatory in one location. This tie in should be completed before the end of 2018.