

Pre-requisite

- These reports are exclusive to the Business Central Online (SaaS). This is not compatible with Business Central On-prem.
- **License:** To access and use a Power BI app for Business Central Online, users require specific licenses on both the Power BI and Business Central sides:

Power BI:

- Power BI Pro: This is the minimum license required to access and interact with shared Power BI apps.

Business Central:

- Business Central Essential or Premium license: These licenses provide access to the Business Central data and features required for Power BI integration.

Free access for viewers: Users with free Power BI licenses can view published apps but cannot interact with them or modify the content.

- **Enabled APIs:** Ensure you have enabled APIs in your Business Central tenant through the Business Central administration center.
- **Enable OData:** Ensure OData services are enabled in your Business Central environment using the Set-NAVServerConfiguration cmdlet in the Business Central administration shell.
- **User permissions:** Users accessing the Power BI app need appropriate permissions in Business Central to access the underlying data. Assign these permissions through the Business Central user management interface. We could provide SUPER permission Sets to the user who is connecting to the data.

User Permission Sets

New Line

Delete Line

Permissions

Permission Set ↑

▼

Description

Company ↑

Extension Name

Permission Scope

→

SUPER

⋮

This role has all per...

System

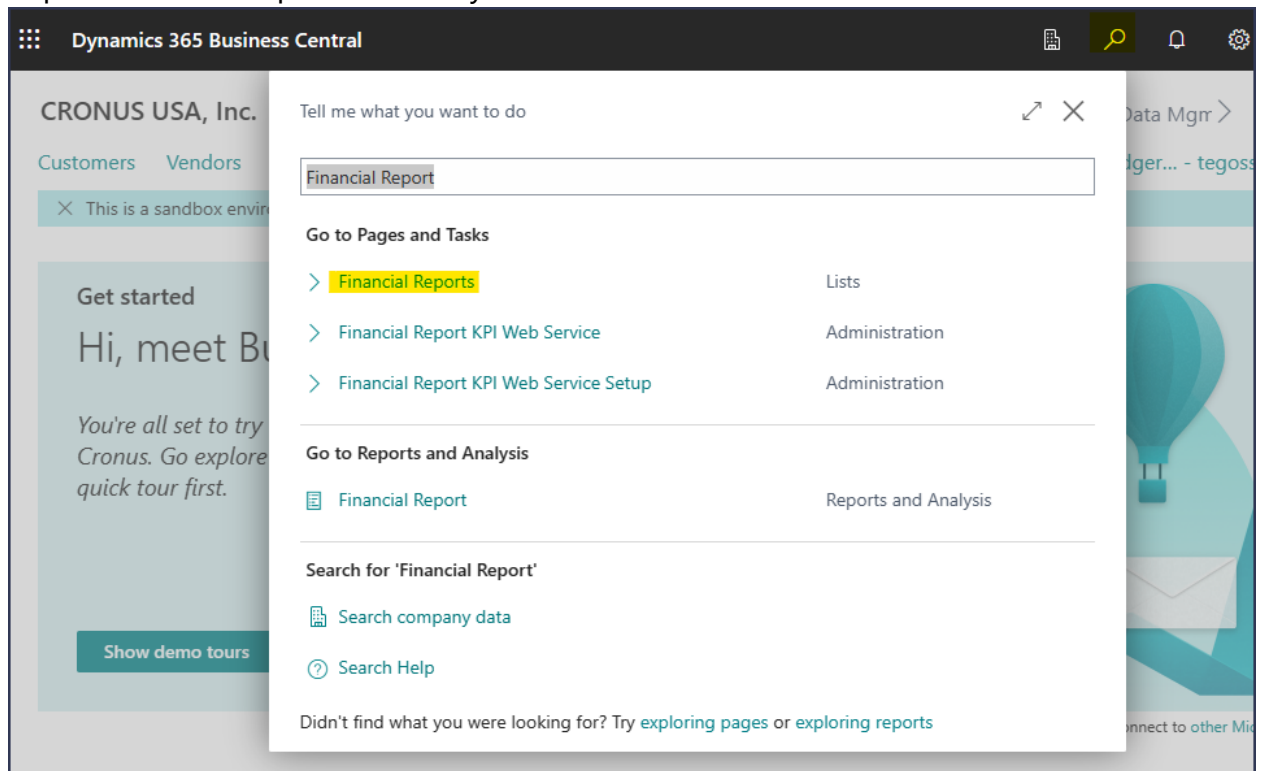
- **Extension Required:** Ensure the installation of the following extensions before proceeding with the Power BI app installation.
 1. Publisher: Microsoft
 - a. Base Application [> v.23.0]
 - b. System Application [> v.23.0]
 2. Publisher: tegos Group
 - a. tegossuite.Core [> v.22.7]
 - b. tegossuite.WeighME [> v.3.7]
 3. Publisher: ITA WMS Corporation
 - a. tegosSuite USA / Enwis North America [> v.23.0]
 - b. tegosSuite USA / Enwis NA for PowerBI [> v.23.2]

Name ↑	Publisher	Version
Base Application	Microsoft	v. 23.0.12034.14286
System Application	Microsoft	v. 23.0.12034.14286
tegosSuite USA / Enwis NA for Powe...	ITA WMS Corporation	v. 23.2.0.0
tegosSuite USA / Enwis North America	ITA WMS Corporation	v. 23.6.0.2
tegossuite.Core	tegos Group	v. 22.7.23111001.0
tegossuite.WeighME	tegos Group	v. 3.7.23111001.0

Financial Analysis for tegossuiteNA

How to setup Financial Analysis for tegossuiteNA?

1. Use the "Tell me" Function [ALT + Q] to search for the Financial Report, then click on the list page named "Financial Reports." Ensure you avoid selecting Financial Report from the Report and Analysis section.



2. Make sure there are the following four standard financial reports.

- i. M-BALANCE
- ii. M-INCOME
- iii. M-CASHFLOW
- iv. M-RETAIND

Dynamics 365 Business Central

Financial Reports

Search Analyze + New Edit List Delete Edit Financial Report... Print...

Name ↑	Description	Row Definition	Row Analysis View Name	Column Definition	Column Analysis View Name
→ M-BALANCE	Balance Sheet	M-BALANCE		M-BALANCE	
M-CASHFLOW	Cash Flow Statement	M-CASHFLOW		M-NETCHANG	
M-INCOME	Income Statement	M-INCOME		M-NETCHANG	
M-RETAIND	Retained Earnings	M-RETAIND		M-NETCHANG	

Note:

If standard financial reports are not available in the list, navigate to the "G/L Account Categories" page and initiate the generation of financial reports by selecting the "Generate Financial Reports" button on the ribbon.

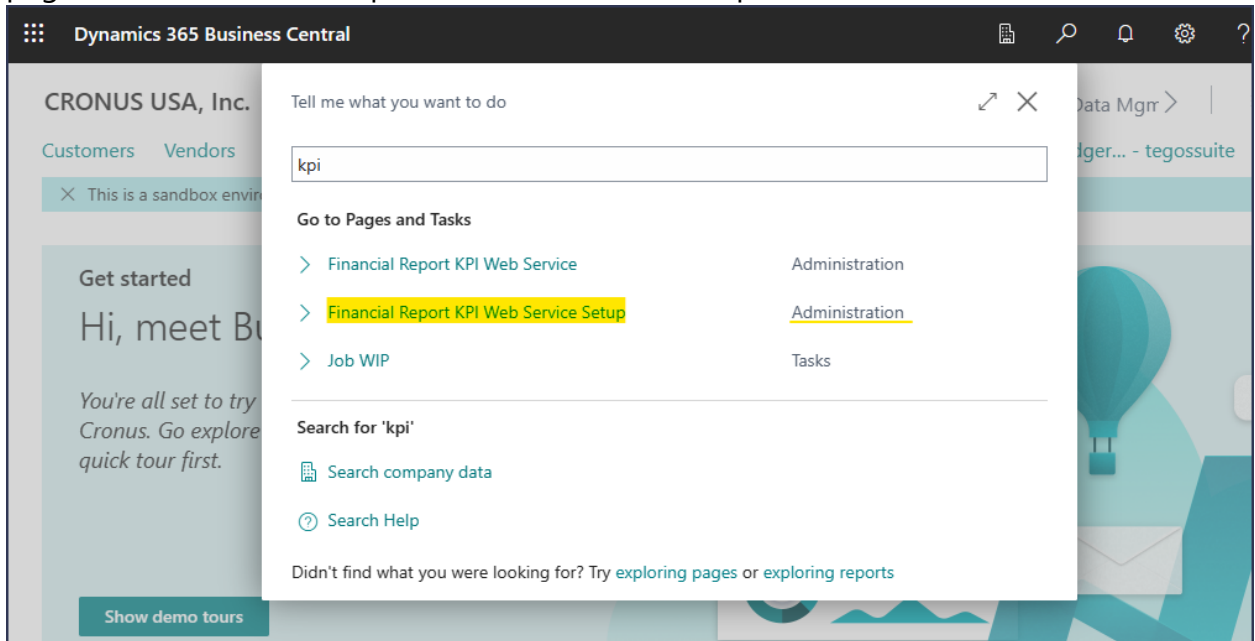
Dynamics 365 Business Central

G/L Account Categories

Search Edit List Delete New Outdent Indent Move Up Move Down **Generate Financial Reports** General Ledger Setup Financial Reporting More options

Description	Account Category	G/L Accounts in Category	Additional Report Definition	Balance
→ Assets	Assets	10000..10001 10910..10990		203,902.17
Current Assets	Assets			203,902.17
Cash	Assets	10100..10300	Cash Accounts	76,549.23
Accounts Receivable	Assets	10400	Operating Activities	70,758.84
Prepaid Expenses	Assets	10500..10600	Operating Activities	0.00
Inventory	Assets	10700	Operating Activities	56,594.10
Fixed Assets	Assets			0.00
Equipment	Assets	10800	Investing Activities	0.00
Accumulated Depreciation	Assets	10900	Investing Activities	0.00
Liabilities	Liabilities	20001 30290 30990		-59,337.87
Current Liabilities	Liabilities	20100..20600	Operating Activities	-59,337.87
Payroll Liabilities	Liabilities	20700..21800	Operating Activities	0.00
Long Term Liabilities	Liabilities	21900	Financing Activities	0.00
Equity	Equity			0.00
Common Stock	Equity	30100		0.00
Retained Earnings	Equity	30200	Retained Earnings	0.00
Distributions to Shareholders	Equity	30300	Distribution to Shareholders	0.00
Income	Income	40000..40001 40500..40990		-626,683.70
Income, Services	Income	40100		28,432.97
Income, Product Sales	Income	40200		-660,997.50
Income, Jobs	Income	40250		0.00
Sales Discounts	Income	40300		5,880.83
Sales Returns & Allowances	Income	40400		0.00
Income, Interest	Income			0.00
Job Sales Contra	Income	40450		0.00
Cost of Goods Sold	Cost of Goods Sold	50001 50990		482,030.40

3. Use the "Tell me" Function [ALT + Q] to search for the KPI Setup, then click on the list page named "Financial Report KPI Web Service Setup".

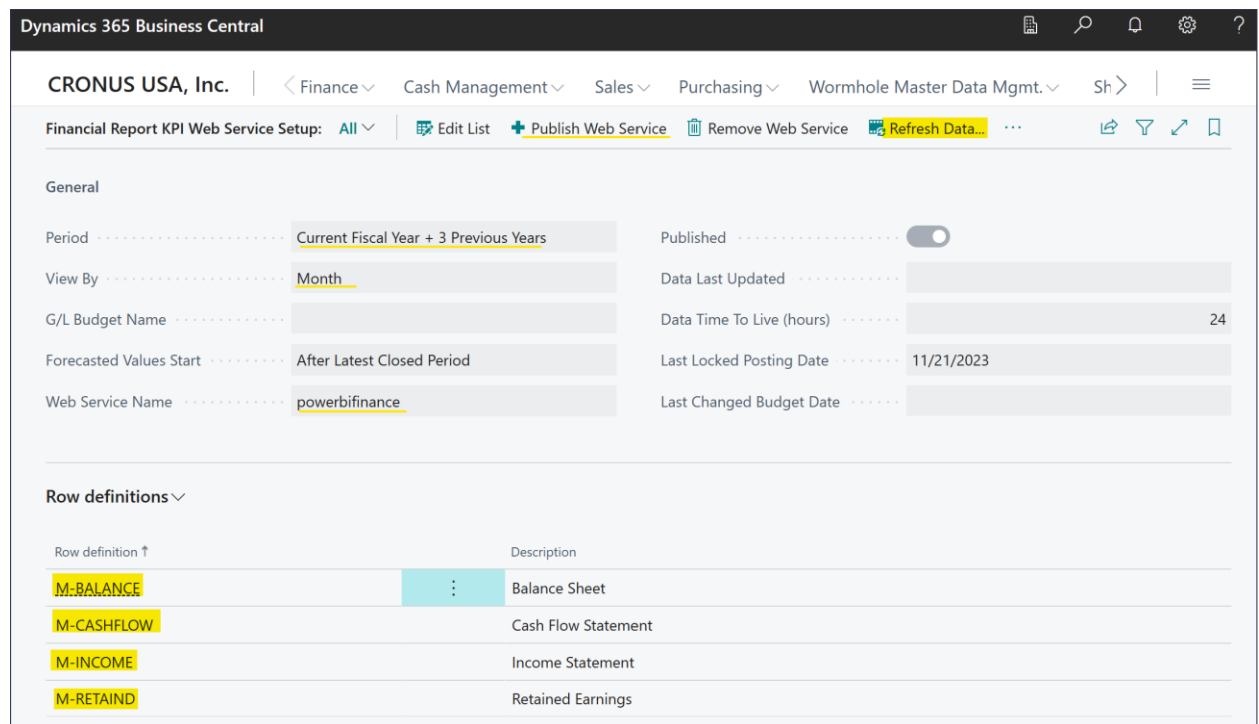


4. Set up Financial Report KPI Web Service on the "Financial Report KPI Web Service Setup" page with the following values:

- **Period:** Current Fiscal Year + 3 Previous Years
- **View By:** Month
- **Web Service Name:** powerbifinance

Row Definitions:

- M-BALANCE
- M-INCOME
- M-CASHFLOW
- M-RETAINED



Dynamics 365 Business Central

CRONUS USA, Inc. | < Finance Cash Management Sales Purchasing Wormhole Master Data Mgmt. Sh > |

Financial Report KPI Web Service Setup: All Edit List Publish Web Service Remove Web Service Refresh Data...

General

Period Current Fiscal Year + 3 Previous Years Published ☐

View By Month Data Last Updated

G/L Budget Name Data Time To Live (hours) 24

Forecasted Values Start After Latest Closed Period Last Locked Posting Date 11/21/2023

Web Service Name powerbifinance Last Changed Budget Date

Row definitions

Row definition ↑	Description
M-BALANCE	Balance Sheet
M-CASHFLOW	Cash Flow Statement
M-INCOME	Income Statement
M-RETAINED	Retained Earnings

After completing the setup as mentioned above, refresh buffered data by selecting "Refresh Data" from the ribbon on the "Financial Report KPI Web Service Setup" page.

5. Validate data on the "Financial Report KPI Web Service" page.

Dynamics 365 Business Central

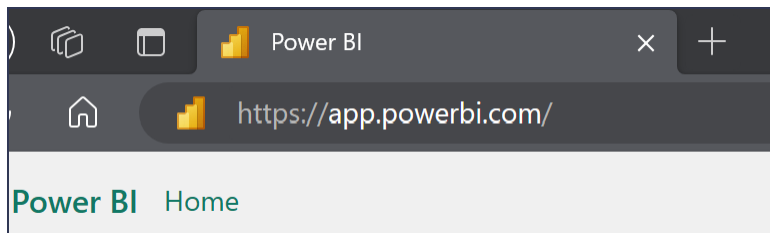
Financial Report KPI Web Service

Search Analyze

Date	Clos... Peri...	Account Schedule Name	KPI Code	KPI Name	Net Change Actual	Balance at Date Actual	Net Change Budget	Balance at Date Budget
1/1/2021	<input checked="" type="checkbox"/>	M-BALANCE	P0001	Assets	0.00	0.00	0.00	0.00
1/1/2021	<input type="checkbox"/>	M-BALANCE	F0007	Total Current Assets	0.00	0.00	0.00	0.00
1/1/2021	<input type="checkbox"/>	M-BALANCE	F0011	Total Fixed Assets	0.00	0.00	0.00	0.00
1/1/2021	<input type="checkbox"/>	M-BALANCE	F0012	Total Assets	0.00	0.00	0.00	0.00
1/1/2021	<input type="checkbox"/>	M-BALANCE	P0014	Liabilities	0.00	0.00	0.00	0.00
1/1/2021	<input type="checkbox"/>	M-BALANCE	F0018	Total Liabilities	0.00	0.00	0.00	0.00
1/1/2021	<input type="checkbox"/>	M-BALANCE	F0024	Total Equity	0.00	0.00	0.00	0.00
1/1/2021	<input type="checkbox"/>	M-BALANCE	F0026	Total Liabilities & Equity	0.00	0.00	0.00	0.00
1/1/2021	<input type="checkbox"/>	M-CASHFLOW	P0002	Net Income	0.00	0.00	0.00	0.00
1/1/2021	<input type="checkbox"/>	M-CASHFLOW	P0004	Accounts Receivable	0.00	0.00	0.00	0.00
1/1/2021	<input type="checkbox"/>	M-CASHFLOW	P0005	Prepaid Expenses	0.00	0.00	0.00	0.00
1/1/2021	<input type="checkbox"/>	M-CASHFLOW	P0006	Inventory	0.00	0.00	0.00	0.00
1/1/2021	<input type="checkbox"/>	M-CASHFLOW	P0007	Current Liabilities	0.00	0.00	0.00	0.00
1/1/2021	<input type="checkbox"/>	M-CASHFLOW	P0008	Payroll Liabilities	0.00	0.00	0.00	0.00
1/1/2021	<input type="checkbox"/>	M-CASHFLOW	F0009	Net Cash Provided by Op...	0.00	0.00	0.00	0.00

After completing these setups on Business Central we need to install "Financial Analysis for tegossuiteNA" PowerBI app.

Navigate to the Power BI service: Go to <https://app.powerbi.com/> and sign in with your Power BI account.

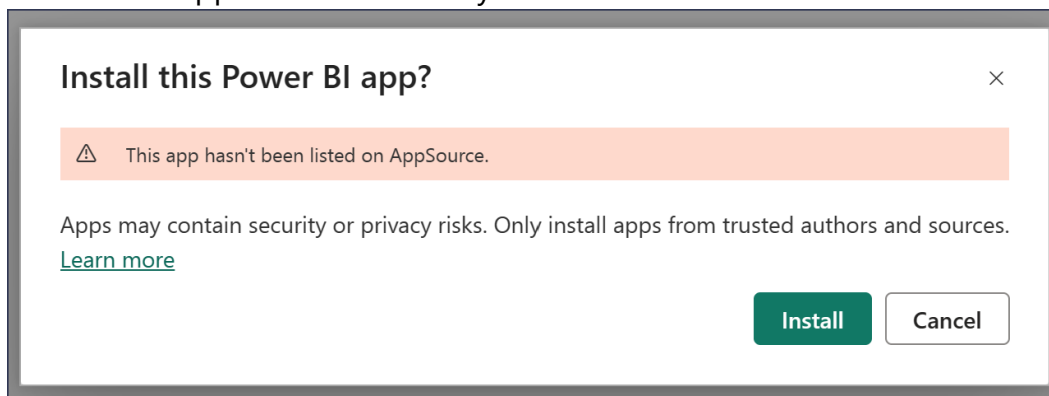


Scenario 1: (Installing from a URL:)

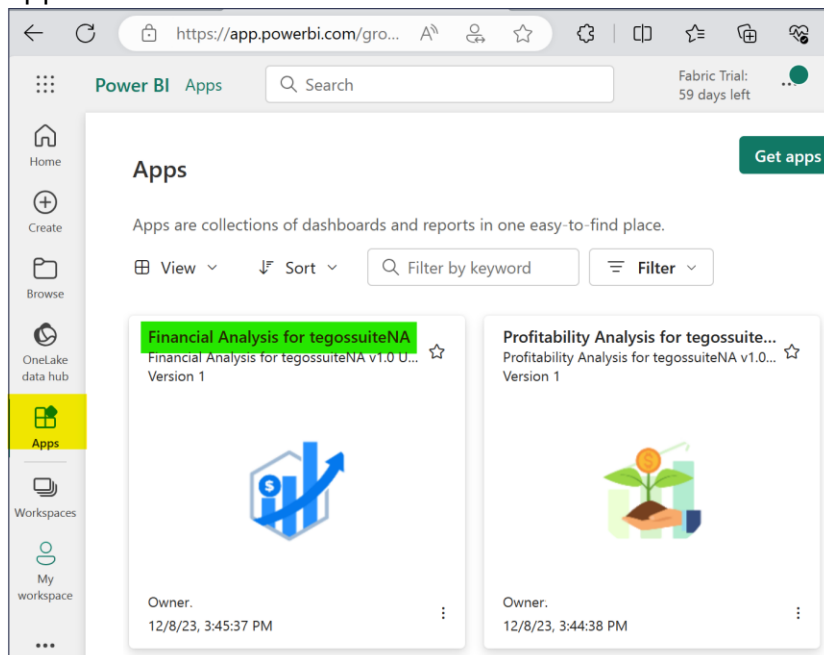
1. If you wish to install "Financial Analysis for tegossuiteNA" through the provided link, simply click on the link below:

<https://app.powerbi.com/Redirect?action=InstallApp&appId=36556df9-6bb8-4282-9fbf-bef7312b8c3d&packageKey=9479ec7b-c99f-4838-af2d-90a55c0600bbG-qVKA9KKOLELV8aoxpYTcEc4wx7n1SGuOc9YcrRrqq&ownerId=1b1f7cb3-698a-4f96-a24f-f56ca891c201&buildVersion=1>

2. A popup window will prompt app installation confirmation. Click on "Install" button. The app will be added to your Power BI account.

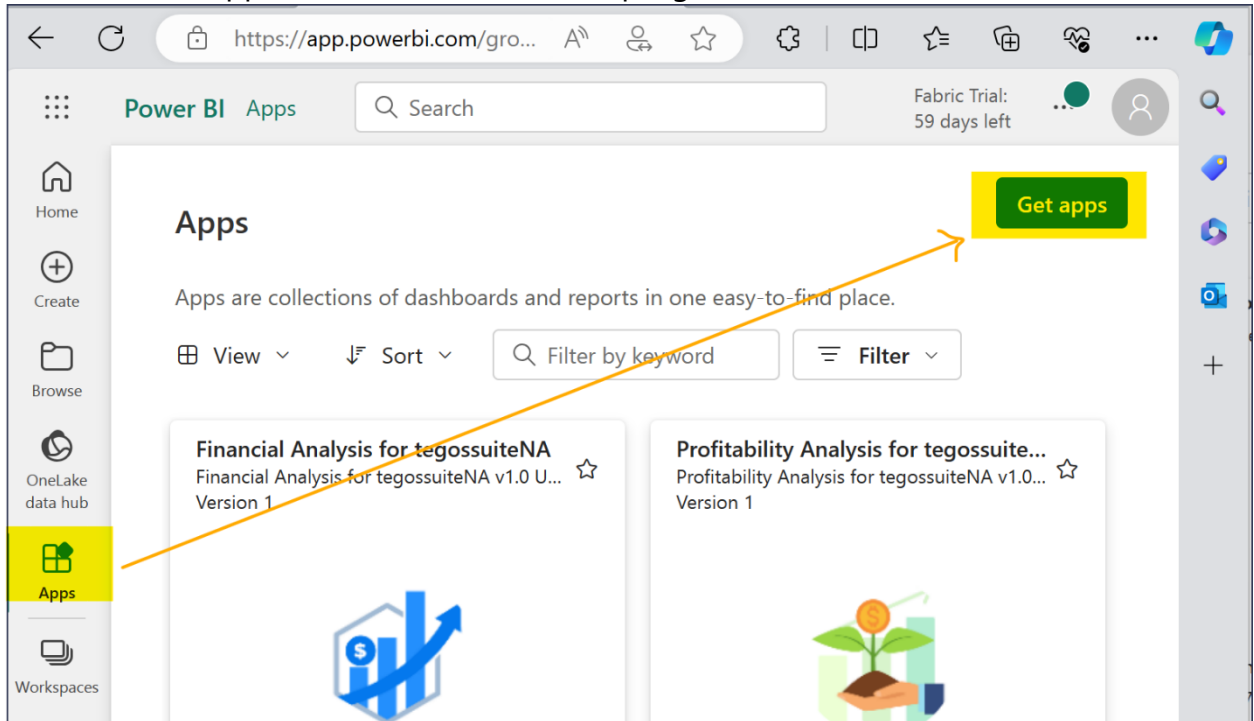


3. **Access the app:** Go to "Apps" in the navigation pane and click on the installed app to launch it.

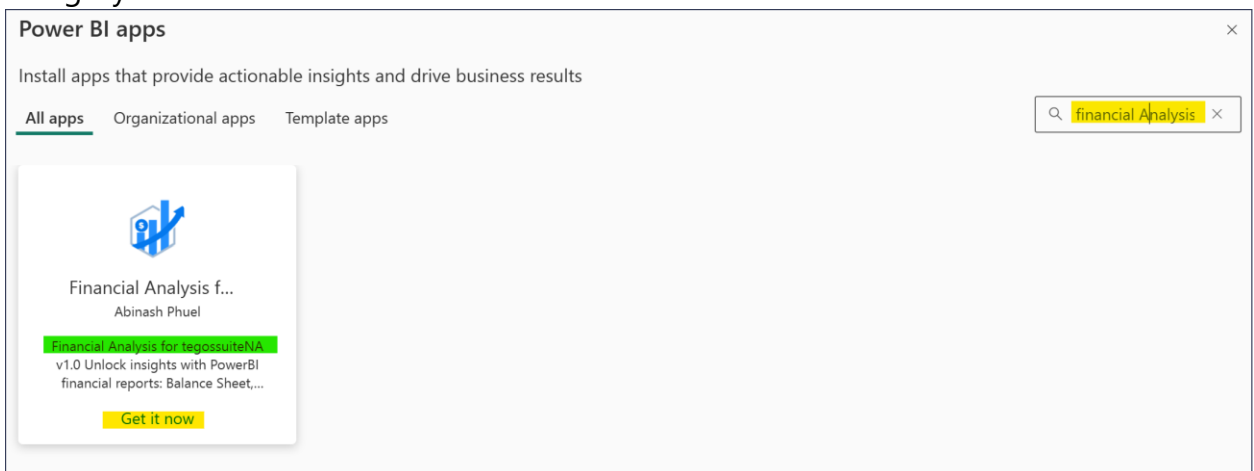


Scenario 2: (From PowerBI Service)

1. Upon logging into Power BI service, navigate to the App tab on the left sidebar. Click the "Get App" button located at the top-right section.

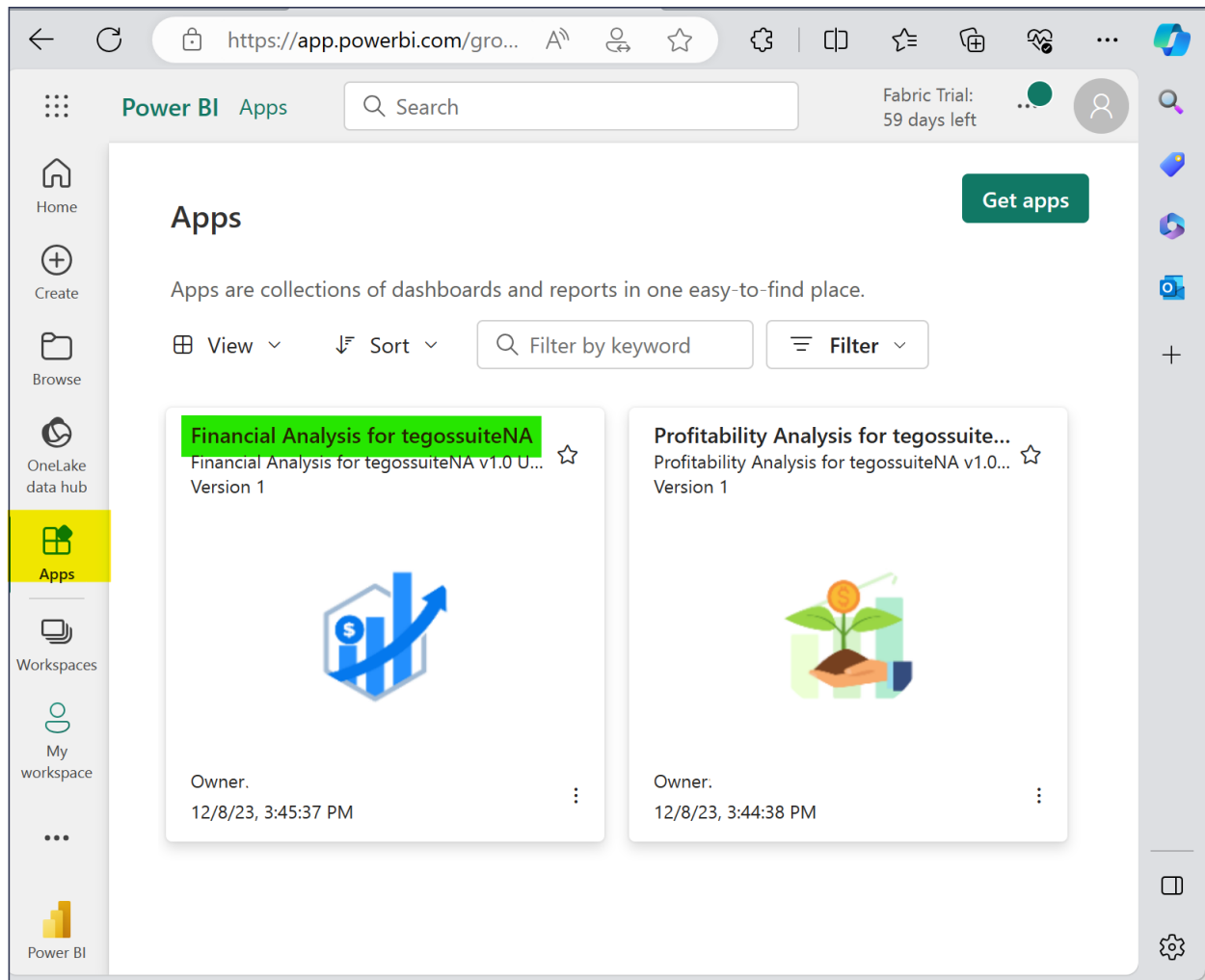


2. Search for the "Financial Analysis for tegossuiteNA" app by entering its name in the search bar. You can also browse curated app collections or explore apps by category.



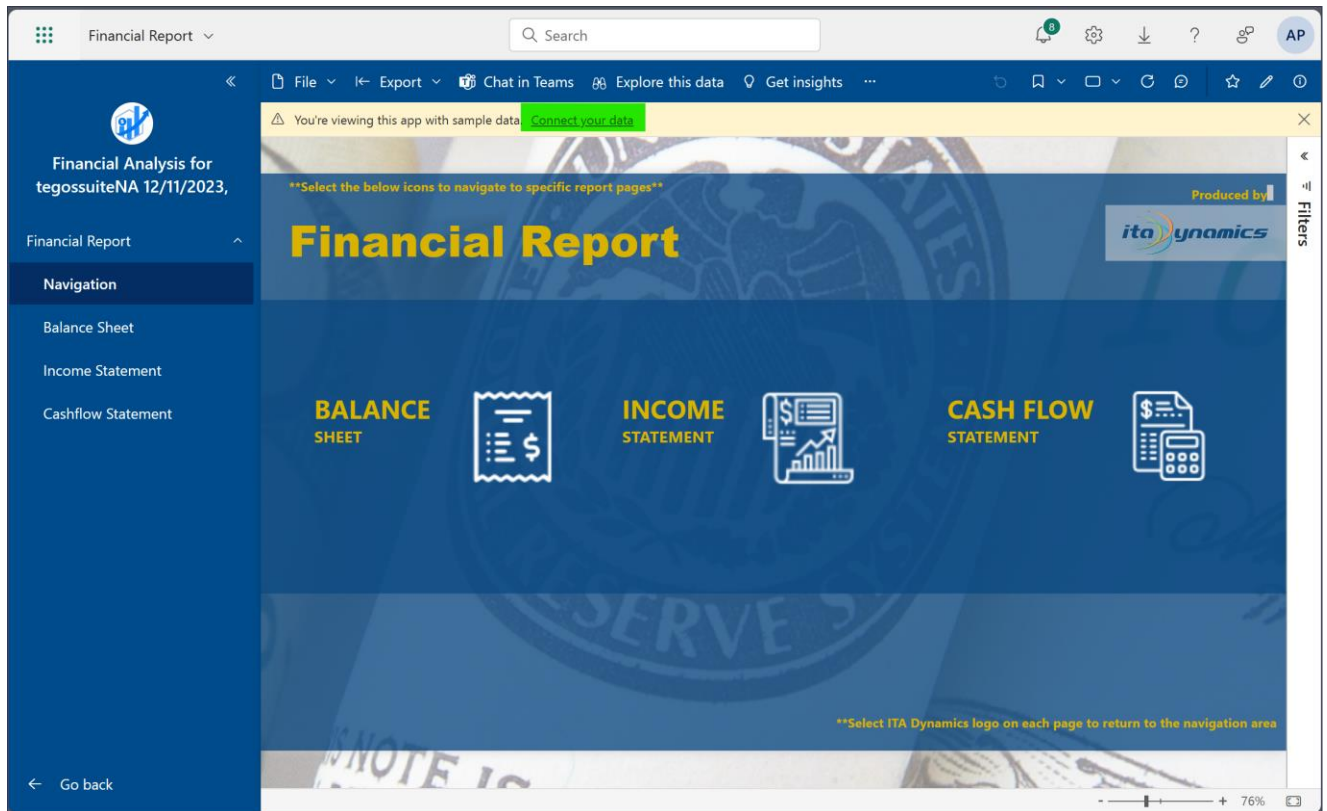
3. **Install the app:** Once you find the app, click "Get it now" or "Install" button. The app will be added to your Power BI account.

4. **Access the app:** Go to "Apps" in the navigation pane and click on the installed app to launch it.




Connect your Data:

1. Upon opening the app, you'll find a collection of reports and visuals. Currently, these are generated using sample data. To explore your own data, click on the "Connect Your Data" link.



2. A popup window will appear, in this window enter Company Name in Company parameter box and enter Environment Name in Environment parameter box. Then click on the Next button at the bottom of the page.



Connect to Financial Analysis for tegossuiteNA

×

Get started setting up your app! Start by filling in the parameters. Then, you'll authenticate to all the data sources this app connects to.

Parameters
Make sure all required (*) parameters are filled in before connecting to your data.

Company *

For example: CRONUS USA, Inc.

Environment *

For example: Production

Advanced ^

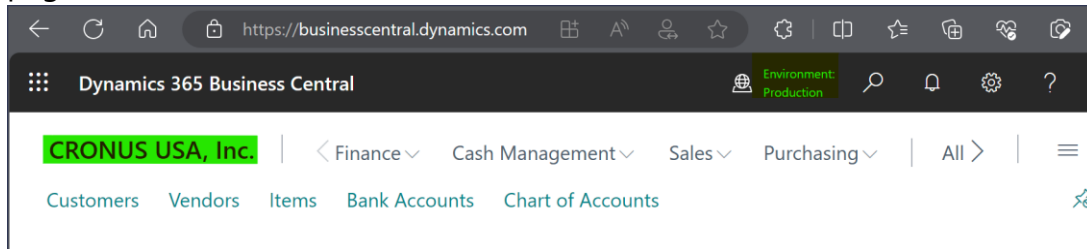
Automatically refresh my data daily (occurs at midnight)

[Go to the app documentation ↗](#)

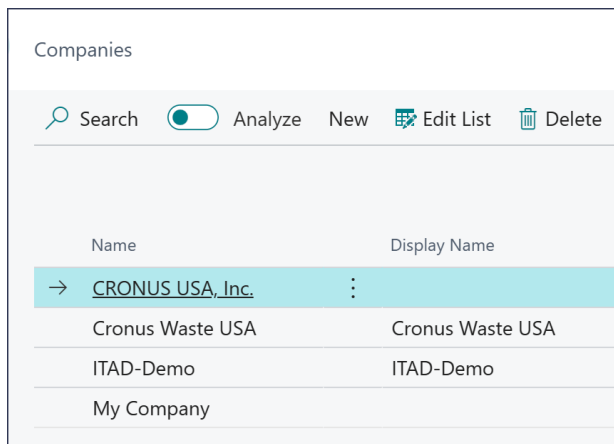
Next**Cancel**

Note:

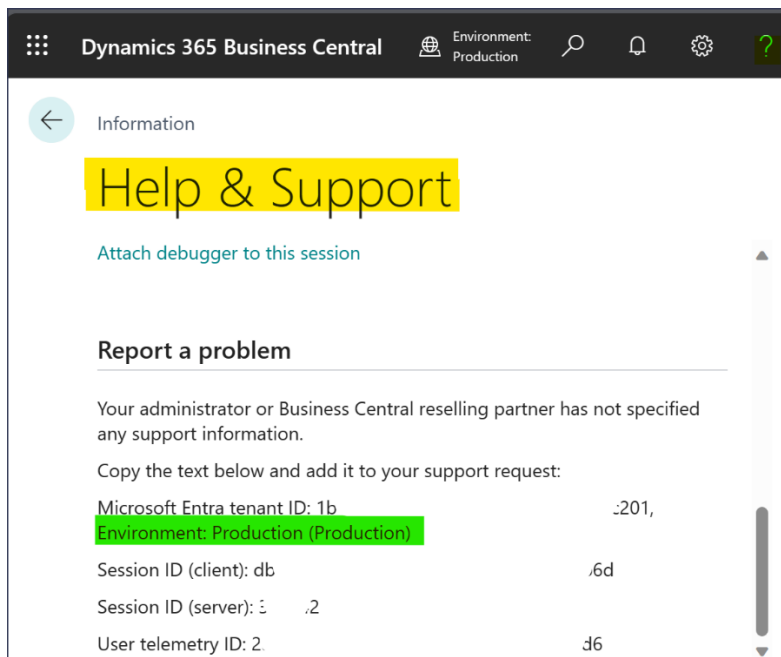
Company Name and Environment Name can be found at the top of the business central page.




Alternatively, if you go to "Companies" list page, companies will be listed there.




If you go to "Help & Support", we can find the environment name there.



3. An authentication window will appear, allowing only OAuth2 as the authentication method. Click the "Sign in and connect" button located at the bottom of the page.






Connect to Financial Analysis for tegossuiteNA

You are connecting to

ExtensionDataSourceKind

ExtensionDataSourcePath



Authentication method

OAuth2

▼

Privacy level setting for this data source [Learn more](#)

Organizational

✎

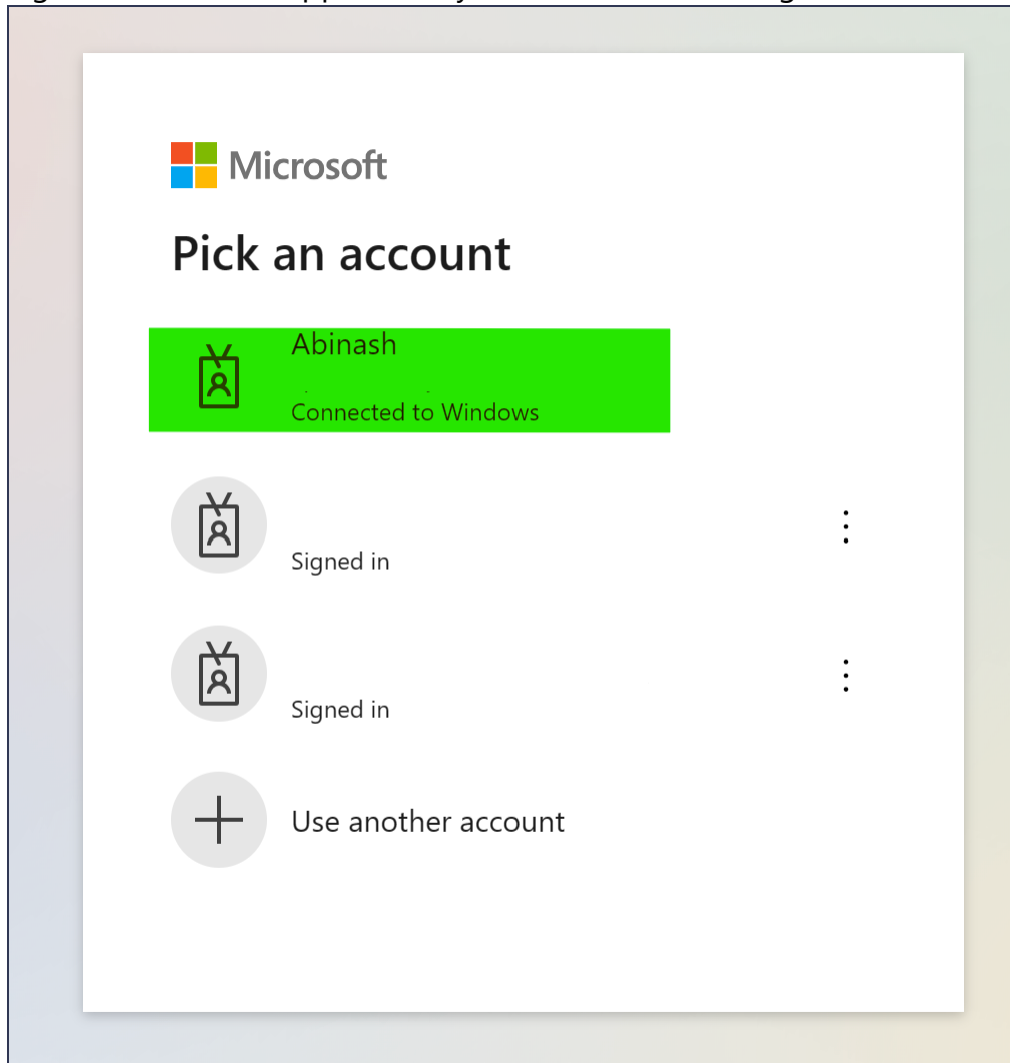
[Go to the app documentation](#) ↗

Back

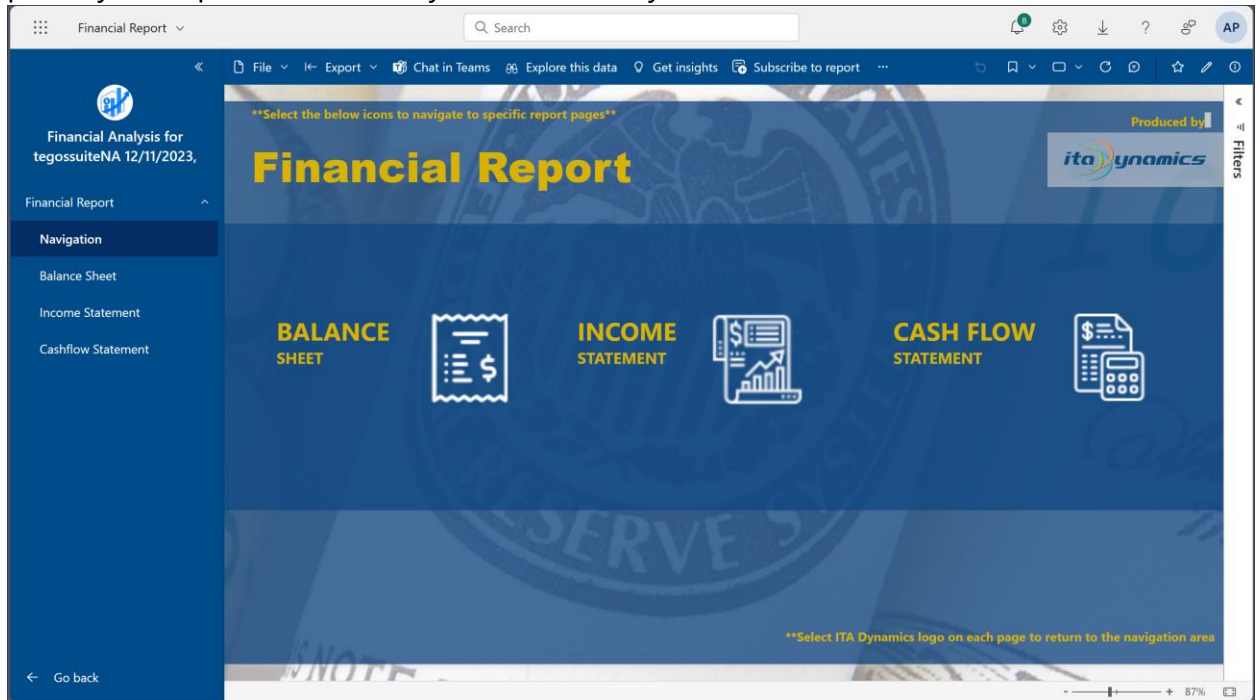
Sign in and connect

Cancel

4. Sign in window will appear, use your credentials and login.



5. The report will undergo a refresh, and the warning window will disappear. At this point, your report is seamlessly connected to your environment's data.



How to Navigate Financial Analysis for tegossuiteNA?

1. Upon opening the report, it defaults to the navigation page. The left pane displays a list of available reports, providing easy navigation to different report pages. On the navigation page's middle section, you'll find icons and names of the reports. Clicking any icon seamlessly directs you to a specific report. The ITA Dynamics logo at the top right serves as a shortcut; clicking it takes you to the ITA Dynamics home page.



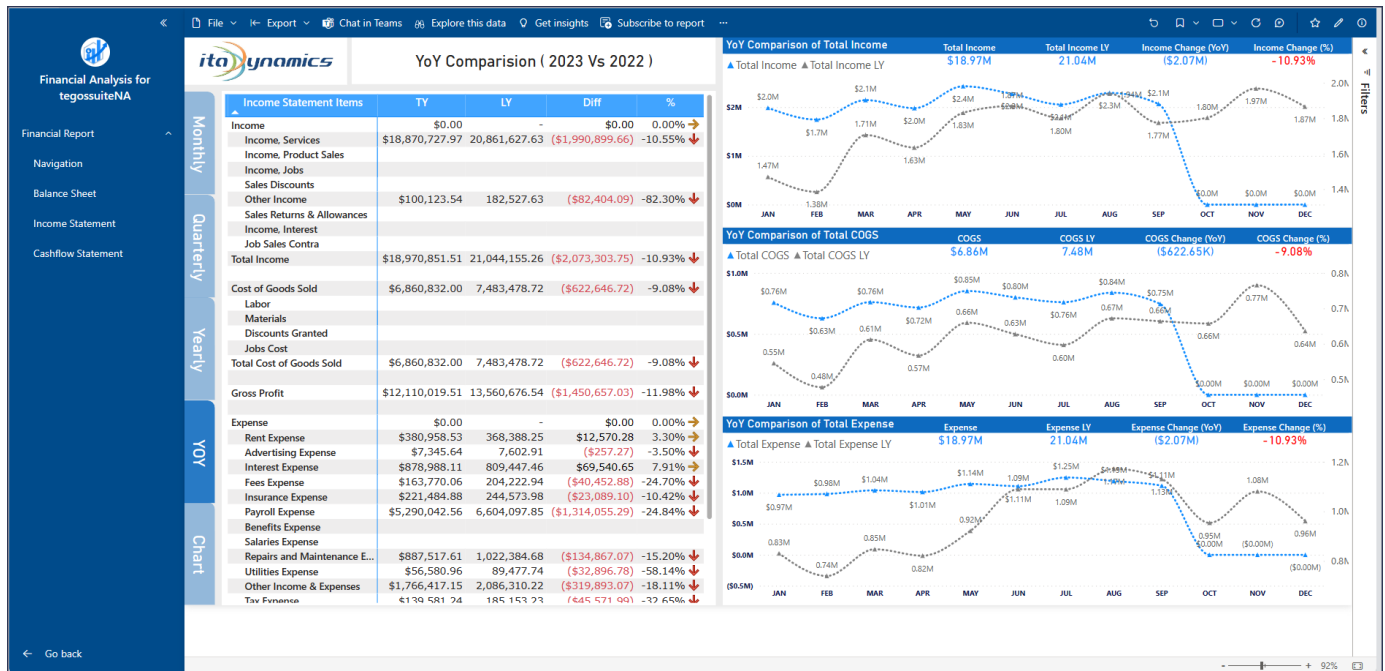
2. Balance Sheet

- To access the balance sheet, click the "Balance Sheet" button located on either the left or middle section of the navigation pane.
- Multiple viewing levels are accessible, with the default set to Monthly. Choose from Monthly, Quarterly, Yearly, YoY, and charts by clicking the desired option.

Balance Sheet: ..12/30/2023													
2021 2022 2023 1 2 3 4 Month Name All													
Balance Sheet Items	January	February	March	April	May	June	July	August	September	October	November	December	Year Total
Assets	\$16,512.12	\$13,439.00	\$10,136.44	\$10,593.16	\$43,261.17	\$37,269.94	\$35,723.13	\$32,227.23	\$579.72				
Current Assets													
Cash	\$335,613.91	\$327,207.78	\$443,801.16	\$417,599.88	\$476,474.92	\$672,715.16	\$1,513,991.54	\$264,481.77	\$1,240,504.64	\$			
Accounts Receivable	\$2,549,198.43	\$2,379,342.65	\$2,462,272.49	\$2,389,628.83	\$2,761,171.02	\$2,730,505.29	\$2,546,548.49	\$2,618,442.50	\$2,637,141.87	\$			
Prepaid Expenses	\$412,707.60	\$397,042.35	\$384,182.08	\$416,947.37	\$484,709.54	\$534,441.04	\$602,094.41	\$604,698.65	\$549,273.45	\$			
Inventory	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
Total Current Assets	\$3,297,519.94	\$3,103,592.78	\$3,290,255.73	\$3,224,176.08	\$3,722,355.48	\$3,937,661.49	\$4,662,634.44	\$3,487,622.92	\$4,426,919.96	\$			
Fixed Assets	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
Equipment	\$9,032,067.31	\$8,893,863.60	\$9,910,625.88	\$9,786,410.50	\$9,738,883.40	\$10,323,108.29	\$10,731,537.84	\$10,850,836.56	\$11,767,448.69	\$			
Buildings	\$16,833,109.59	\$16,792,211.55	\$16,751,313.51	\$16,718,417.75	\$16,677,297.42	\$16,689,202.09	\$16,647,596.81	\$16,788,883.03	\$16,762,327.29	\$			
Accumulated Depreciation													
Total Fixed Assets	\$25,865,176.90	\$25,686,075.15	\$26,661,939.39	\$26,504,828.25	\$26,416,180.82	\$27,012,310.38	\$27,379,134.65	\$27,639,719.59	\$28,529,775.98	\$			
Total Assets	\$29,179,208.96	\$28,803,106.93	\$29,962,331.56	\$29,739,597.49	\$30,181,797.47	\$30,987,241.81	\$32,077,492.22	\$31,159,569.74	\$32,957,275.66	\$			
Liabilities	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
Current Liabilities	\$2,006,722.73	\$1,830,868.76	\$2,068,232.63	\$2,007,787.22	\$2,170,027.29	\$2,668,238.41	\$3,533,180.46	\$2,418,225.29	\$3,359,164.03	\$			
Other Liabilities	\$1,698,564.36	\$1,783,070.80	\$1,725,280.12	\$1,830,645.79	\$1,930,308.98	\$1,683,123.29	\$1,791,793.15	\$1,895,404.28	\$1,832,620.91	\$			
Payroll Liabilities													
Long Term Liabilities	\$22,738,891.04	\$22,535,885.79	\$23,397,963.18	\$23,108,971.89	\$23,089,810.45	\$23,516,658.34	\$23,838,946.93	\$23,919,819.04	\$24,896,613.52	\$			
Total Liabilities	\$26,444,178.13	\$26,149,825.35	\$27,191,475.93	\$26,947,404.90	\$27,190,146.72	\$27,868,020.04	\$29,163,920.54	\$28,233,448.61	\$30,088,398.46	\$			
Equity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
Common Stock	\$2,691,586.80	\$2,691,586.80	\$2,691,586.80	\$2,691,586.80	\$2,691,586.80	\$2,691,586.80	\$2,691,586.80	\$2,691,586.80	\$2,691,586.80	\$			
Retained Earnings	\$43,444.03	(\$38,305.22)	\$79,268.83	\$100,605.79	\$300,063.95	\$427,634.97	\$221,984.88	\$234,534.33	\$177,290.40	\$			
Distributions to Shareholders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
Total Equity	\$2,735,030.83	\$2,653,281.58	\$2,770,855.63	\$2,792,192.59	\$2,991,650.75	\$3,119,221.77	\$2,913,571.68	\$2,926,121.13	\$2,868,877.20	\$			
Total Liabilities & Equity	\$29,179,208.96	\$28,803,106.93	\$29,962,331.56	\$29,739,597.49	\$30,181,797.47	\$30,987,241.81	\$32,077,492.22	\$31,159,569.74	\$32,957,275.66	\$			

3. Income Statement:

- To access the Income Statement, click the "Income Statement" button located on either the left or middle section of the navigation pane.
- Multiple viewing levels are accessible, with the default set to Monthly. Choose from Monthly, Quarterly, Yearly, YoY, and charts by clicking the desired option.



4. Cashflow Statement:

- To access the Cashflow Statement, click the "Cashflow Statement" button located on either the left or middle section of the navigation pane.
- Multiple viewing levels are accessible, with the default set to Monthly. Choose from Monthly, Quarterly, Yearly, YoY, and charts by clicking the desired option.

