

Power Platform for a Management and Forecasting Tool

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Rates and Industrial Base Evaluation Tool (RIBET)

- **Intended function of RIBET 1.0 Tool**
- **Problems with RIBET 1.0**

Introducing Power Platforms

- **Power Apps**
- **Power BI**
- **Solutions provided by RIBET 2.0**

Walkthrough of Workload Management Tool

- **Flow of each aspect:**
 - Power Apps**
 - Power BI Visuals**
 - Paginated Report**

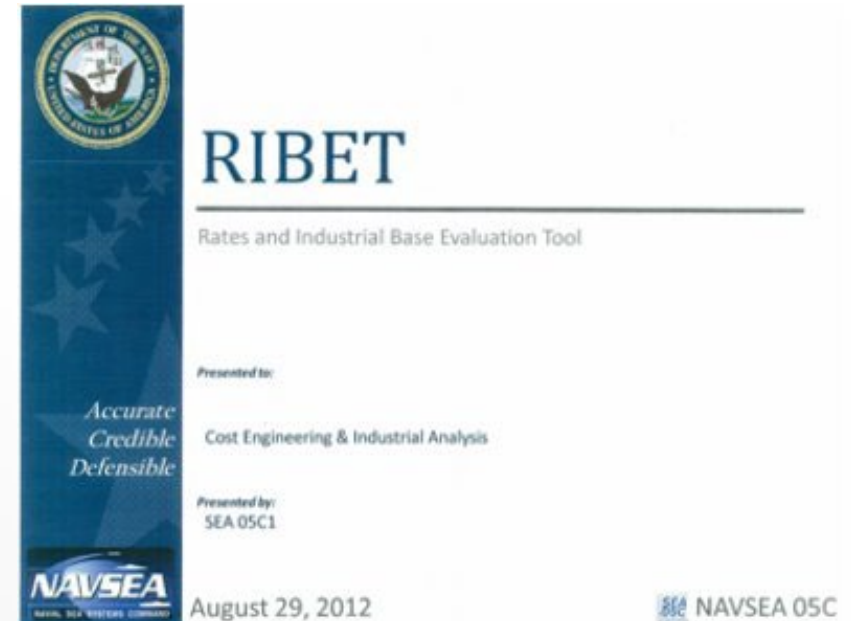
Conclusion and Questions

What is RIBET 1.0?

RIBET 1.0's purpose was intended to improve performance and productivity for two workload systems. Specifically, the labor rate and Full-Time Equivalent (FTE) forecasting for Navy shipyards.

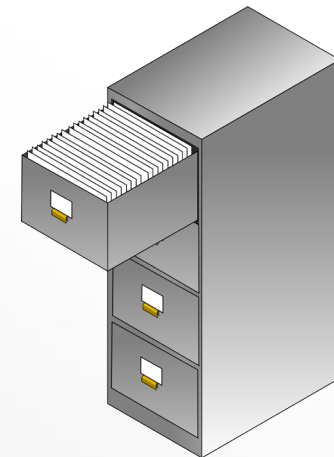
RIBET 1.0 audience/users were cost analysts across NAVSEA 05C to estimate shipbuilding costs and assess overall shipyard workload and capacity.

RIBET 1.0 (Rates and Industrial Base Evaluation Tool) utilized an Excel-based VBA tool and other forecasting models to create charts and tables for labor rates and labor hours of ships. This tool used specific distributions in tandem with inputs provided by users produce charts and tables over a ship's build period



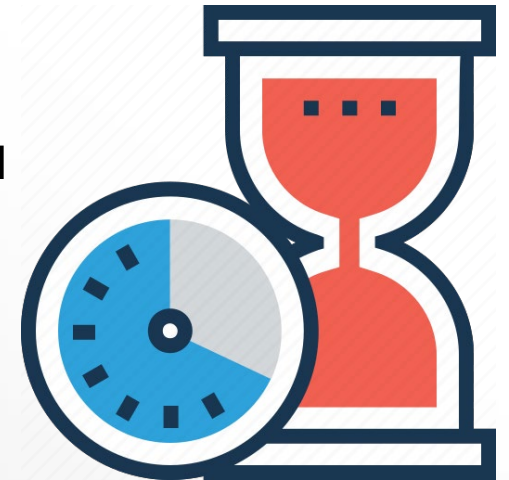
No Centralized Location for Files

- **Input Profiles and FPR files ran in two or more different places**
 - Multiple versions of the same files lead to communication issues
- **Unclear configuration control among contractors and the government**



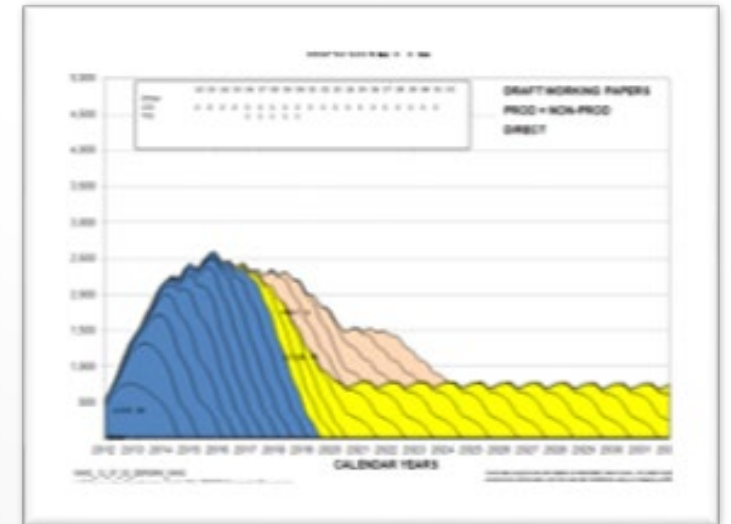
Estimators Faced Extremely Slow Processing Times

- **Within VBA/ Excel there were lengthy loading periods and long calculating times**
 - **Input process is manual and labor intensive**
 - VBA is being phased out because of new security measures
 - **Output process reads an immense amount of data**
 - Only one table, visual, chart, etc. can be created at a time
 - Creating one table could take upwards of 10 minutes to load in a static visual



Visualizations are Limited

- **All charts, graphs, and tables are limited to what is provided in excel**
 - Only one visual can be created at a time
 - Remains static until manually refreshed/ updated
- **Organization is haphazard**
- **Simple comparisons are not readily available**
 - Charts manually created for each combination



- **Microsoft Power Platform is a low-code platform for rapidly building customized end-to-end business solutions. It consists of four product areas:**
 - Power Apps
 - Power Automate
 - Power BI
 - Power Pages
- Each area can be used individually or together
- Enables analytics, automation and productivity

Our company uses Power Platform to analyze cost data, build custom apps, create dashboards and reports for real time cost monitoring





What is Power Apps?

- A platform to help users create custom business applications without needing advanced programming skills

How is Power Apps used?

- Embedded on Teams
- Create customizable interfaces to store different information
- Input data that can be sent between applications (data sources, Power BI, Power Automate)
- Allows for real time access to information
- Can be embedded on mobile, web, or other platforms



What is Power BI?

- A tool that uses data visualization to help users share insights through interactive reports, dashboards, and charts

How is Power BI Used?

- Uses various data sources as inputs
- Creates visualization for cost estimations and budgeting tools
- Dynamic dashboard models
- Presents a variety of visualizations for different data points
 - Includes graphs, charts, comparisons, etc.

Power Apps Provides a Centralized Location for All Information to be Stored

- **Connects with SharePoint to hold information in one place**
- **Provides configuration control by standardizing processes (uploads, templates, viewing)**
- **Accessible by multiple parties**
- **Allows users to set access and viewing permissions**



Power BI Reduces Processing Time

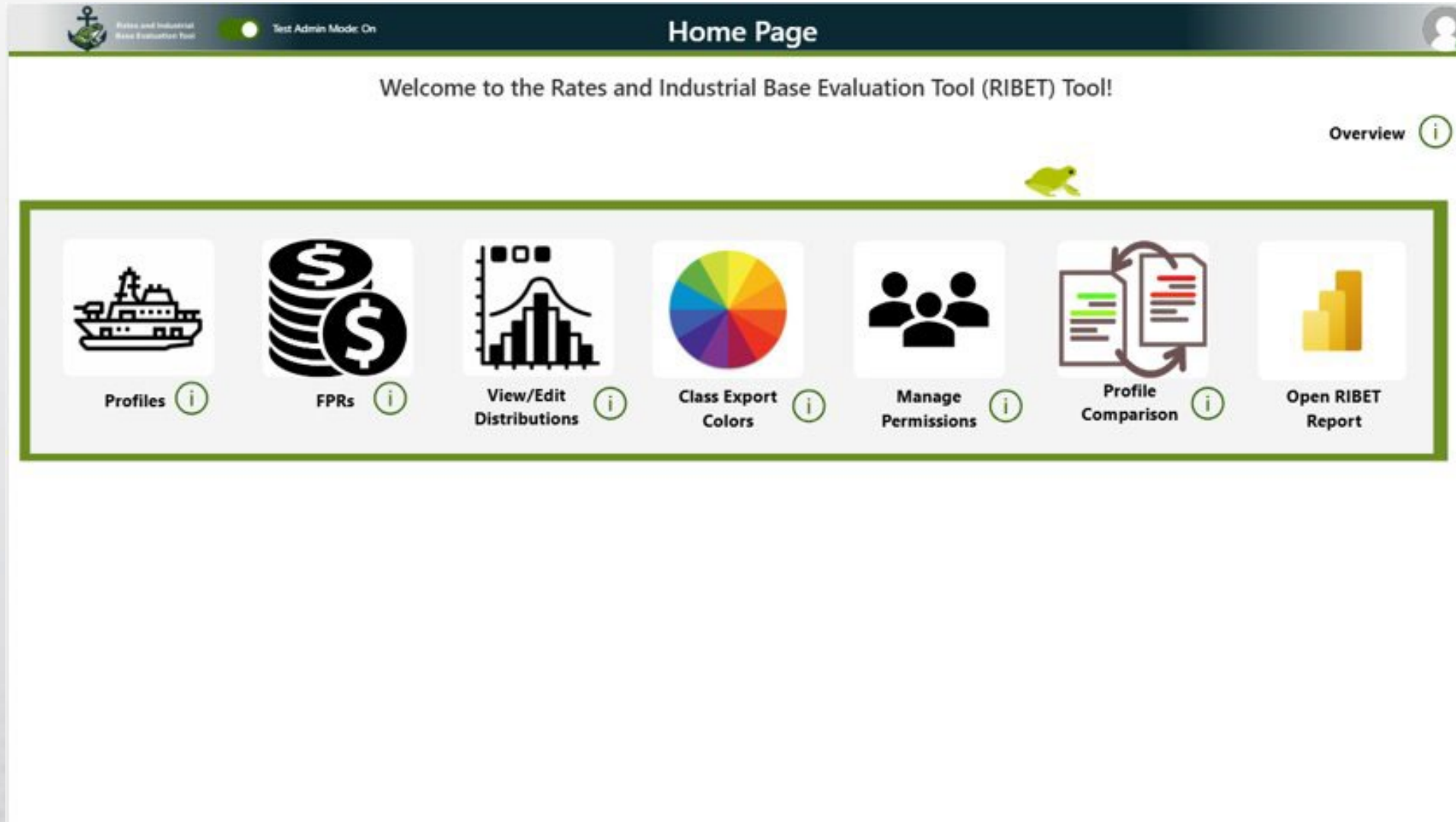
- **Automating data imports from multiple sources**
- **Allows for dynamic interactions between various datapoints and visuals**
- **Transforms and cleans data quickly (Power Query)**
- **Automatic refreshing ability for the report and visualizations**



Power BI Allows for Diverse Visualization Options

- **Highly interactive reports with drill-down capabilities**
- **Wide variety of built in visualizations and can import custom visuals**
- **Designed to handle real-time data and automated data refreshes**



A screenshot of the RIBET 2.0 Home Page. The page has a dark green header with the text "Home Page" and a user profile icon. Below the header, a welcome message reads "Welcome to the Rates and Industrial Base Evaluation Tool (RIBET) Tool!". To the right of the welcome message is an "Overview" link with an information icon. The main content area is a light gray box with a green border containing seven icons and their corresponding labels: "Profiles" (ship icon), "FPRs" (stack of coins icon), "View/Edit Distributions" (bar chart icon), "Class Export Colors" (color wheel icon), "Manage Permissions" (group of people icon), "Profile Comparison" (document comparison icon), and "Open RIBET Report" (bar chart icon). Each icon has a small information icon to its right. A small green frog icon is positioned above the "Class Export Colors" icon.



The screenshot shows the 'Home Page' of the RIBET 2.0 application. At the top left, there is a navigation bar with the 'Rates and Industrial Base Evaluation Tool' logo and a 'Test Admin Mode: On' indicator. The main heading is 'Home Page'. Below this, a welcome message reads 'Welcome to the Rates and Industrial Base Evaluation Tool (RIBET) Tool!'. To the right of the welcome message is an 'Overview' link with an information icon, highlighted by a red arrow. Below the welcome message is a horizontal menu with seven icons and labels: 'Profiles' (ship icon), 'FPRs' (stack of coins icon), 'View/Edit Distributions' (bar chart icon), 'Class Export Colors' (color wheel icon), 'Manage Permissions' (people icon), 'Profile Comparison' (document comparison icon), and 'Open RIBET Report' (bar chart icon). Each icon has an information icon next to it.

The new RIBET tool aims to modernize the legacy Excel-based RIBET tool by utilizing the Power Platform. This approach centralizes RIBET reports in a shared environment, integrating all inputs into a unified location for enhanced collaboration and efficiency.

Power Apps - used to collect Workload Inputs (Profiles), Foward Pricing Rates (FPRs), Distributions, and Ship Details (labor distribution codes, graphing colors, etc.)

Power BI - utilized to calculate workload projections and rates by fitting inputs to a trapezoidal distribution. It generates dynamic charts and visuals based on these calculations, enabling users to filter data easily and access the desired views

Paginated Reports - This tool connects directly to Power BI's semantic model to generate excel based output which mimics the output of the legacy RIBET tool

Home Page

Welcome to the Rates and Industrial Base Evaluation Tool (RIBET) Tool!

Overview ⓘ

- Profiles ⓘ
- FPRs ⓘ
- View/Edit Distributions ⓘ
- Class Export Colors ⓘ
- Manage Permissions ⓘ
- Profile Comparison ⓘ
- Open RIBET Report

Within the Profile Page, users will upload, view, and edit workload inputs.



Navies and Industrial Base Evaluation Test
Test Admin Mode: On

Profile Page

Admin Settings

Select Profile:

OTHER Budget Cycle

OTHER | PB25

0329 OTHER Base

Upload Name: OTHER Profile 2024 10 9 SER65 PB25.xlsx

Created by: benjamin.l.crawley.ctr@us.navy.mil

Access Groups:

OTHER | BES26

1001 BES26 Other Workload w OPC

Upload Name: OTHER Profile 2024 10 9 SER66 BES26.xlsx

Created by: benjamin.l.crawley.ctr@us.navy.mil

Access Groups: Or Public, Govt Public

OTHER | BES26

NNS and EB BES26 Combined

Upload Name:

Created by: benjamin.l.crawley.ctr@us.navy.mil

Access Groups: Govt Public, Herren Dev Team

OTHER | PB25

Textron Profile

Upload Name: OTHER Profile 2025 2 18 SER29.xlsx

Created by: chesepiazem.ctr@us.navy.mil

Access Groups: Herren Dev Team, Govt Public

OTHER | PB25

ICEAA Profile Test

Upload Name: EASTYARD Profile 2024 10 9 SER22.xlsx

Created by: brooks.m.biss.ctr@us.navy.mil

Access Groups: Private

OTHER | PB25 | ICEAA Profile Test

ICEAA Profile Test

Edit as New

Rates & Industrial Base Evaluation Tool (RIBET)

Notes: Do not use "Paste", use "Paste Special" Values ONLY

Do not use "Delete", use "Clear Contents" ONLY

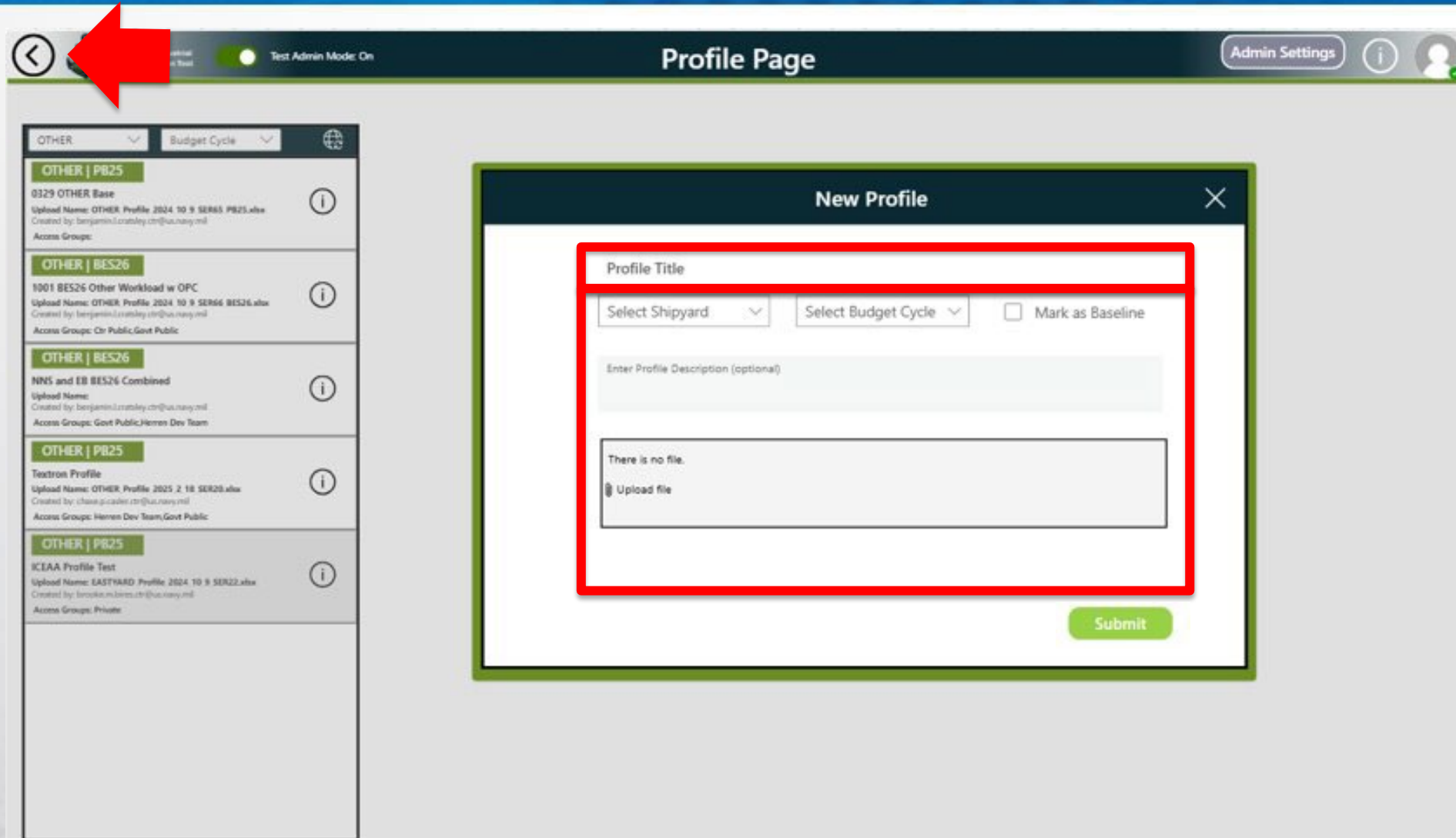
This file will be used each time Workload and Rates need to be generated

Once results are generated, you will be prompted to save output to a new file

***Verify your data carefully before pasting it into this sheet. This is especially important for dates, as Excel will automatically default your date to MM/DD/YY. For example, if you input 3/12, excel will format to 3/12/12.

"Paste Special" Profile Data From Estimators

Fiscal Year	Ship Name	Future/Current	Yard Name	Ship Class	Scope	Non-Prod Start Date	Prod Start Date	End Date	Production Hours	Non-Production Hours
18	A 9001	Current	East Yard	Class A	PSA	8/19/2019	9/2/2019	10/15/2021	1,164,096	540,712
19	A 9002	Current	East Yard	Class A		2/26/2020	8/20/2019	7/29/2024	1,127,186	490,354
22	A 9003	Current	East Yard	Class A		12/29/2021	3/16/2021	1/31/2026	1,528,130	120,039
23	A 9004	Current	East Yard	Class A		3/25/2021	1/23/2022	11/6/2026	1,484,605	140,797
23	A 9005	Future	East Yard	Class A		12/5/2024	8/21/2024	2/3/2028	1,305,531	118,845
23	A 9006	Future	East Yard	Class A		1/4/2025	5/24/2024	7/20/2028	1,296,148	118,800
26	B 9001	Current	East Yard	Class B	RCOH	11/20/2018	4/11/2017	8/12/2021	2,380,670	720,407
17	B 9002	Current	East Yard	Class B		9/9/2018	9/10/2018	3/27/2023	2,356,364	727,824
17	B 9003	Current	East Yard	Class B		6/28/2020	6/3/2018	9/20/2021	2,325,720	717,345
18	B 9004	Current	East Yard	Class B		5/11/2021	9/4/2018	9/8/2024	2,297,647	706,039
19	B 9005	Current	East Yard	Class B		9/9/2021	2/9/2019	8/29/2023	2,273,337	700,837
21	C 0001	Current	East Yard	Class C	RFPA-R	6/28/2022	3/9/2021	6/3/2023	1,076,090	233,013
22	C 0002	Current	East Yard	Class C		9/2/2021	8/26/2021	11/15/2023	935,790	206,451
23	C 0003	Current	East Yard	Class C		10/5/2021	12/2/2022	7/6/2026	869,823	82,038
23	C 0004	Current	East Yard	Class C		10/24/2024	10/29/2022	9/1/2026	821,326	74,363
23	C 0005	Future	East Yard	Class C		3/15/2025	6/9/2023	4/21/2027	790,229	70,160



Profile Page

Admin Settings

Test Admin Mode: On

OTHER | Budget Cycle

OTHER PB25
0329 OTHER Base Upload Name: OTHER_Profile_2024_10_9_SER85_PB25.xlsx Created by: benjamin.l.crobley.ctr@us.navy.mil Access Group:
OTHER BES26
1001 BES26 Other Workload w OPC Upload Name: OTHER_Profile_2024_10_9_SER66_BES26.xlsx Created by: benjamin.l.crobley.ctr@us.navy.mil Access Group: Ctr Public, Govt Public
OTHER BES26
NNS and EB BES26 Combined Upload Name: Created by: benjamin.l.crobley.ctr@us.navy.mil Access Group: Govt Public, Herren Dev Team
OTHER PB25
Textron Profile Upload Name: OTHER_Profile_2025_2_18_SER20.xlsx Created by: chris.p.cadler.ctr@us.navy.mil Access Group: Herren Dev Team, Govt Public
OTHER PB25
ICEAA Profile Test Upload Name: EASTYARD_Profile_2024_10_9_SER22.xlsx Created by: benjamin.l.crobley.ctr@us.navy.mil Access Group: Private

New Profile

Profile Title

Select Shipyard Select Budget Cycle Mark as Baseline

Enter Profile Description (optional)

There is no file.



RIBET 2.0

Test Admin Mode: On

Profile Page

Admin Settings

Select Profile: Upload New

OTHER Budget Cycle

OTHER | PB25

0329 OTHER Base

Upload Name: OTHER Profile 2024 10 9 SER65 PB25.xlsx

Created by: benjamin.crabley.ctr@us.navy.mil

Access Groups:

OTHER | BES26

1001 BES26 Other Workload w OPC

Upload Name: OTHER Profile 2024 10 9 SER66 BES26.xlsx

Created by: benjamin.crabley.ctr@us.navy.mil

Access Groups: Cr Public, Govt Public

OTHER | BES26

NNS and EB BES26 Combined

Upload Name:

Created by: benjamin.crabley.ctr@us.navy.mil

Access Groups: Govt Public, Herren Dev Team

OTHER | PB25

Textron Profile

Upload Name: OTHER Profile 2025 2 18 SER20.xlsx

Created by: chasip.casler.ctr@us.navy.mil

Access Groups: Herren Dev Team, Govt Public

OTHER | PB25

ICEAA Profile Test

Upload Name: EASTYARD Profile 2024 10 9 SER22.xlsx

Created by: benjamin.crabley.ctr@us.navy.mil

Access Groups: Private

OTHER | PB25 | ICEAA Profile Test

ICEAA Profile Test

Edit as New

Rates & Industrial Base Evaluation Tool (RIBET)

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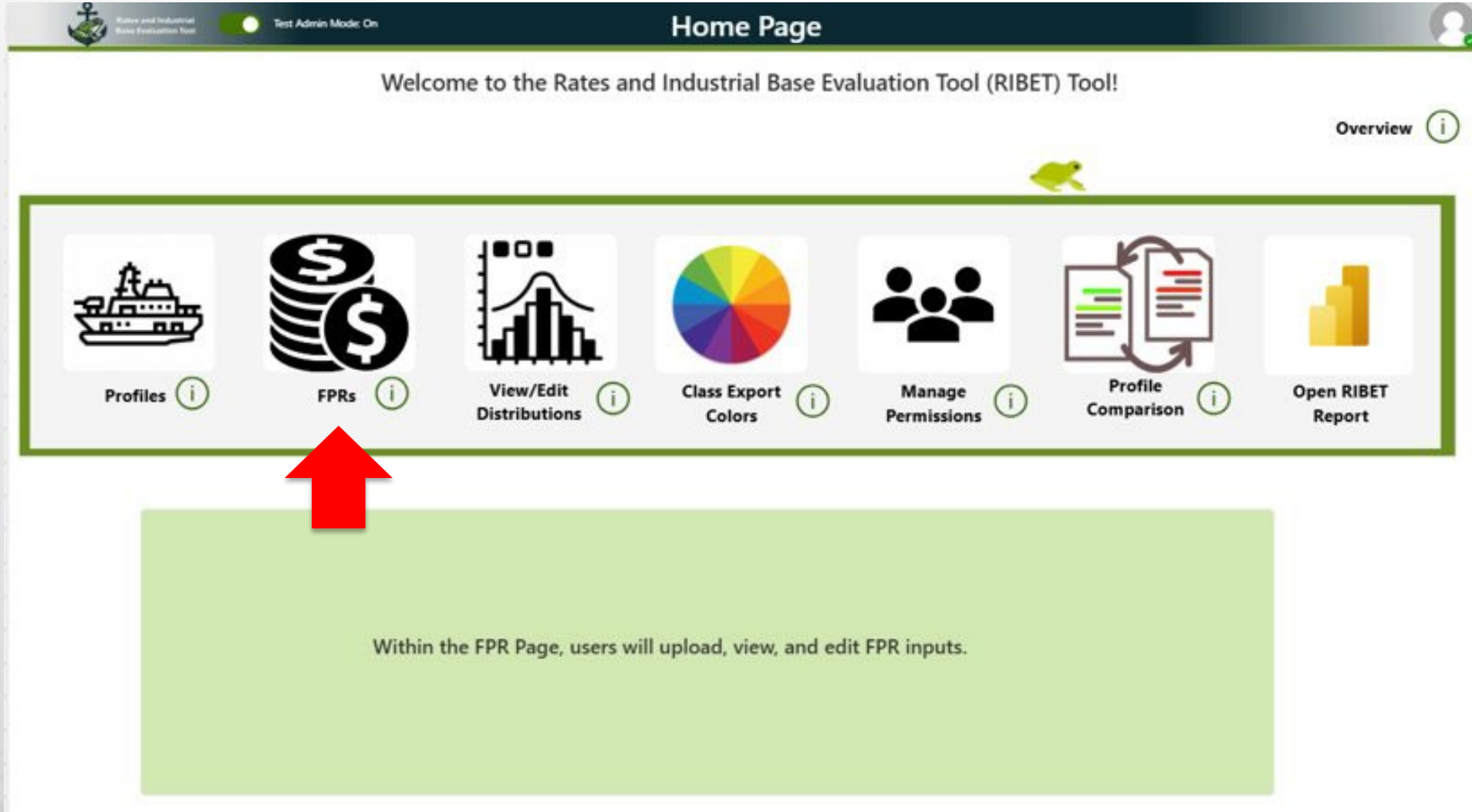
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"Paste Special" Profile Data From Estimators

Fiscal Year	Ship Name	Future/Current	Yard Name	Ship Class	Scope	Non-Prod Start Date	Prod Start Date	End Date	Production Hours	Non-Production Hours
18	A 9901	Current	East Yard	Class A	PSA	8/18/2019	8/2/2019	10/15/2021	3,184,986	540,732
18	A 9902	Current	East Yard	Class A		2/26/2020	5/29/2019	7/29/2024	3,127,196	498,854
22	A 9901	Current	East Yard	Class A		12/29/2021	5/29/2021	3/71/2026	3,528,150	128,019
23	A 9904	Current	East Yard	Class A		5/25/2023	1/22/2022	11/4/2026	1,484,600	140,757
23	A 9905	Future	East Yard	Class A		12/5/2024	3/7/2024	3/3/2028	1,395,531	118,807
23	A 9906	Future	East Yard	Class A		1/4/2025	5/4/2024	7/20/2028	1,298,148	118,802
18	B 9901	Current	East Yard	Class B	RCOR	11/30/2018	4/11/2017	8/12/2021	2,380,370	738,407
17	B 9902	Current	East Yard	Class B		8/6/2018	8/19/2018	3/27/2021	2,256,364	727,824
17	B 9903	Current	East Yard	Class B		8/26/2020	6/9/2018	8/30/2021	2,125,720	717,540
18	B 9904	Current	East Yard	Class B		5/11/2021	8/6/2018	8/8/2024	2,287,447	708,019
18	B 9905	Current	East Yard	Class B		8/9/2021	2/9/2019	8/19/2023	2,271,557	700,667
21	C 0001	Current	East Yard	Class C	REPAIR	8/28/2022	3/9/2021	6/3/2023	1,878,050	223,515
22	C 0002	Current	East Yard	Class C		8/2/2023	8/28/2021	11/13/2023	905,790	206,401
23	C 0003	Current	East Yard	Class C		10/5/2023	12/3/2022	3/4/2026	868,821	82,038
23	C 0004	Current	East Yard	Class C		10/24/2024	12/29/2022	8/1/2026	821,526	74,362
23	C 0005	Future	East Yard	Class C		3/15/2024	6/9/2023	4/21/2027	790,229	72,530
23	D 0001	Current	East Yard	Class D	DESIGN	10/30/2023	8/21/2024	8/21/2028	1,361,328	1,130,019
24	D 0002	Future	East Yard	Class D		8/22/2024	4/28/2024	1/21/2029	2,487,987	775,198
24	D 0003	Future	East Yard	Class D		3/27/2026	3/4/2026	1/4/2030	2,944,910	695,790
26	D 0004	Future	East Yard	Class D		9/29/2026	10/2/2026	3/21/2030	2,470,474	622,261
26	D 0005	Future	East Yard	Class D		5/18/2027	4/5/2027	8/22/2030	2,331,519	592,115
27	D 0006	Future	East Yard	Class D		12/24/2027	7/7/2028	10/4/2031	2,228,253	565,719
27	D 0007	Future	East Yard	Class D		10/22/2027	4/24/2028	8/9/2031	2,140,384	540,196
27	D 0008	Future	East Yard	Class D		6/4/2028	11/21/2028	8/11/2032	2,368,120	520,261
27	D 0009	Future	East Yard	Class D		8/15/2028	11/7/2028	8/4/2032	2,303,220	498,727
28	D 0010	Future	East Yard	Class D		5/26/2030	1/11/2030	11/3/2033	1,951,650	486,843
28	D 0011	Future	East Yard	Class D		3/10/2030	1/22/2030	8/21/2033	1,838,532	462,223



The screenshot shows the 'Home Page' of the RIBET 2.0 application. At the top, there is a navigation bar with the text 'Home Page' and a user profile icon. Below this, a welcome message reads 'Welcome to the Rates and Industrial Base Evaluation Tool (RIBET) Tool!'. To the right of the welcome message is an 'Overview' link with an information icon. The main content area features a horizontal menu of seven icons, each with a label and an information icon: 'Profiles' (ship icon), 'FPRs' (stack of coins icon), 'View/Edit Distributions' (bar chart icon), 'Class Export Colors' (color wheel icon), 'Manage Permissions' (people icon), 'Profile Comparison' (document with arrows icon), and 'Open RIBET Report' (bar chart icon). A large red arrow points to the 'FPRs' icon. Below the menu is a light green box containing the text: 'Within the FPR Page, users will upload, view, and edit FPR inputs.'

Home Page

Welcome to the Rates and Industrial Base Evaluation Tool (RIBET) Tool!

Overview ⓘ


- Profiles ⓘ
- FPRs ⓘ
- View/Edit Distributions ⓘ
- Class Export Colors ⓘ
- Manage Permissions ⓘ
- Profile Comparison ⓘ
- Open RIBET Report

Within the Distributions Page, users will be able to make live updates to the master list of distributions, as well as view the current distributions.

Home Page

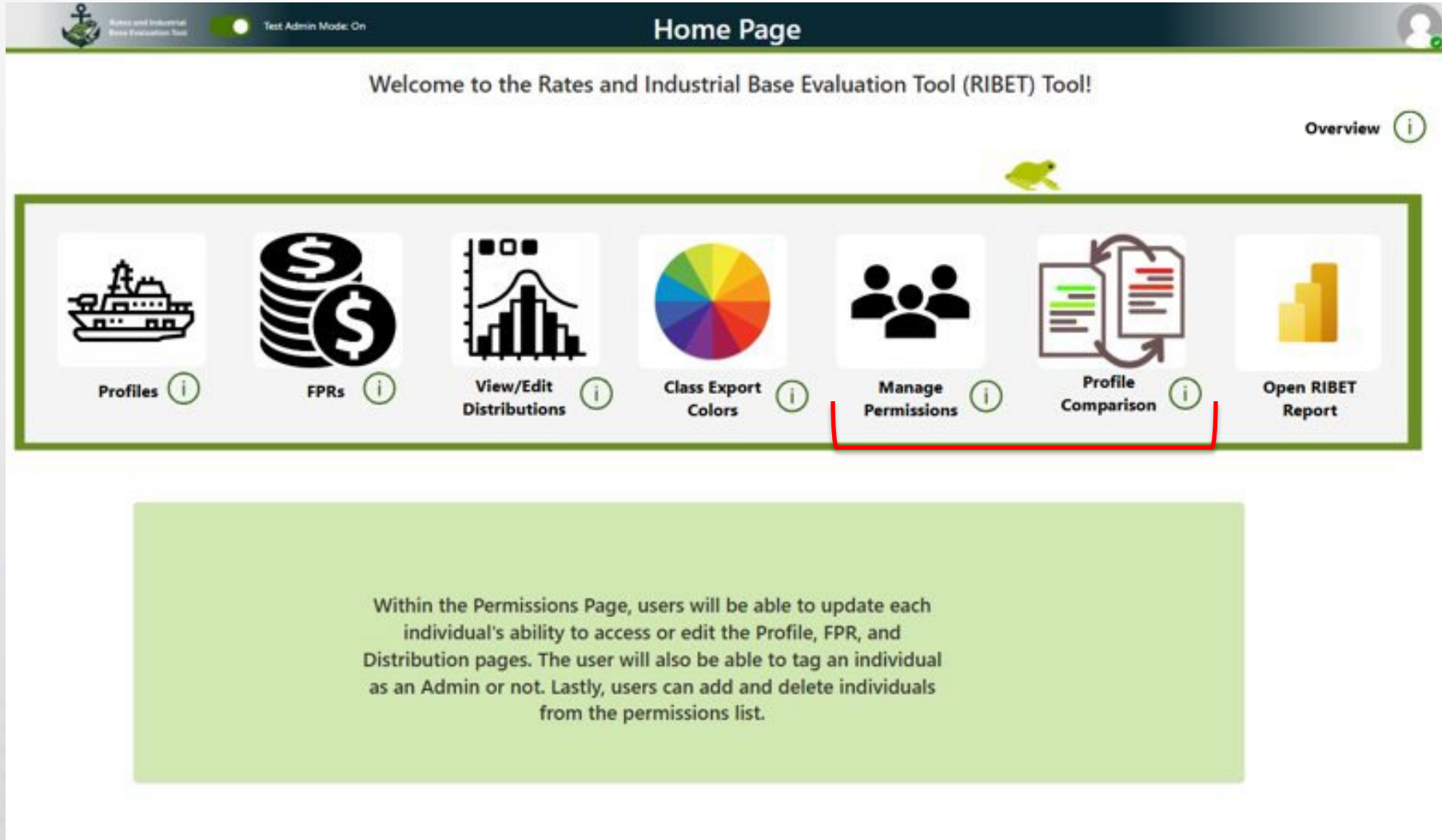
Welcome to the Rates and Industrial Base Evaluation Tool (RIBET) Tool!

Overview ⓘ



- Profiles ⓘ
- FPRs ⓘ
- View/Edit Distributions ⓘ
- Class Export Colors ⓘ**
- Manage Permissions ⓘ
- Profile Comparison ⓘ
- Open RIBET Report

Within the Colors Page, users will be able to view and edit the hex codes that are linked to each specific hull. Users also have the ability to add new hulls and their associated hex codes.



The screenshot shows the Home Page of the RIBET 2.0 tool. At the top, there is a navigation bar with the text "Rates and Industrial Base Evaluation Tool" and "Test Admin Mode: On". The main heading is "Home Page". Below this, a welcome message reads "Welcome to the Rates and Industrial Base Evaluation Tool (RIBET) Tool!". To the right of the welcome message is an "Overview" link with an information icon. A central menu bar contains seven items: "Profiles", "FPRs", "View/Edit Distributions", "Class Export Colors", "Manage Permissions", "Profile Comparison", and "Open RIBET Report". The "Manage Permissions" item is highlighted with a red box. Below the menu bar, a green text box provides details about the "Manage Permissions" page.

Home Page

Welcome to the Rates and Industrial Base Evaluation Tool (RIBET) Tool!

Overview ⓘ

- Profiles ⓘ
- FPRs ⓘ
- View/Edit Distributions ⓘ
- Class Export Colors ⓘ
- Manage Permissions ⓘ
- Profile Comparison ⓘ
- Open RIBET Report

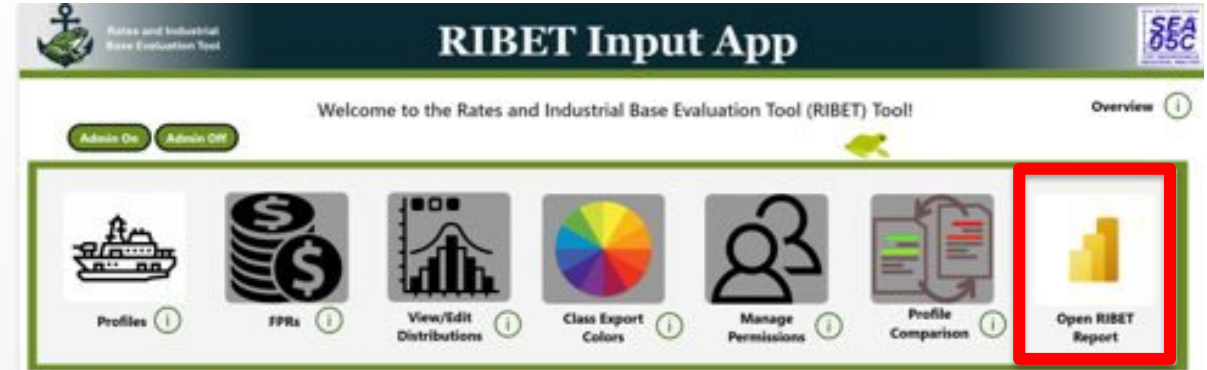
Within the Permissions Page, users will be able to update each individual's ability to access or edit the Profile, FPR, and Distribution pages. The user will also be able to tag an individual as an Admin or not. Lastly, users can add and delete individuals from the permissions list.

There are 3 different ways to launch Power BI (RIBET Report)

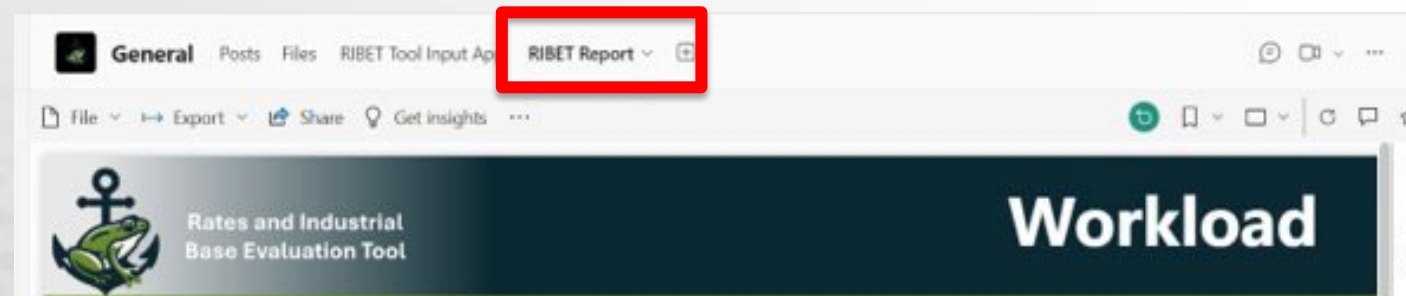
Directly After Refresh



From Home Screen

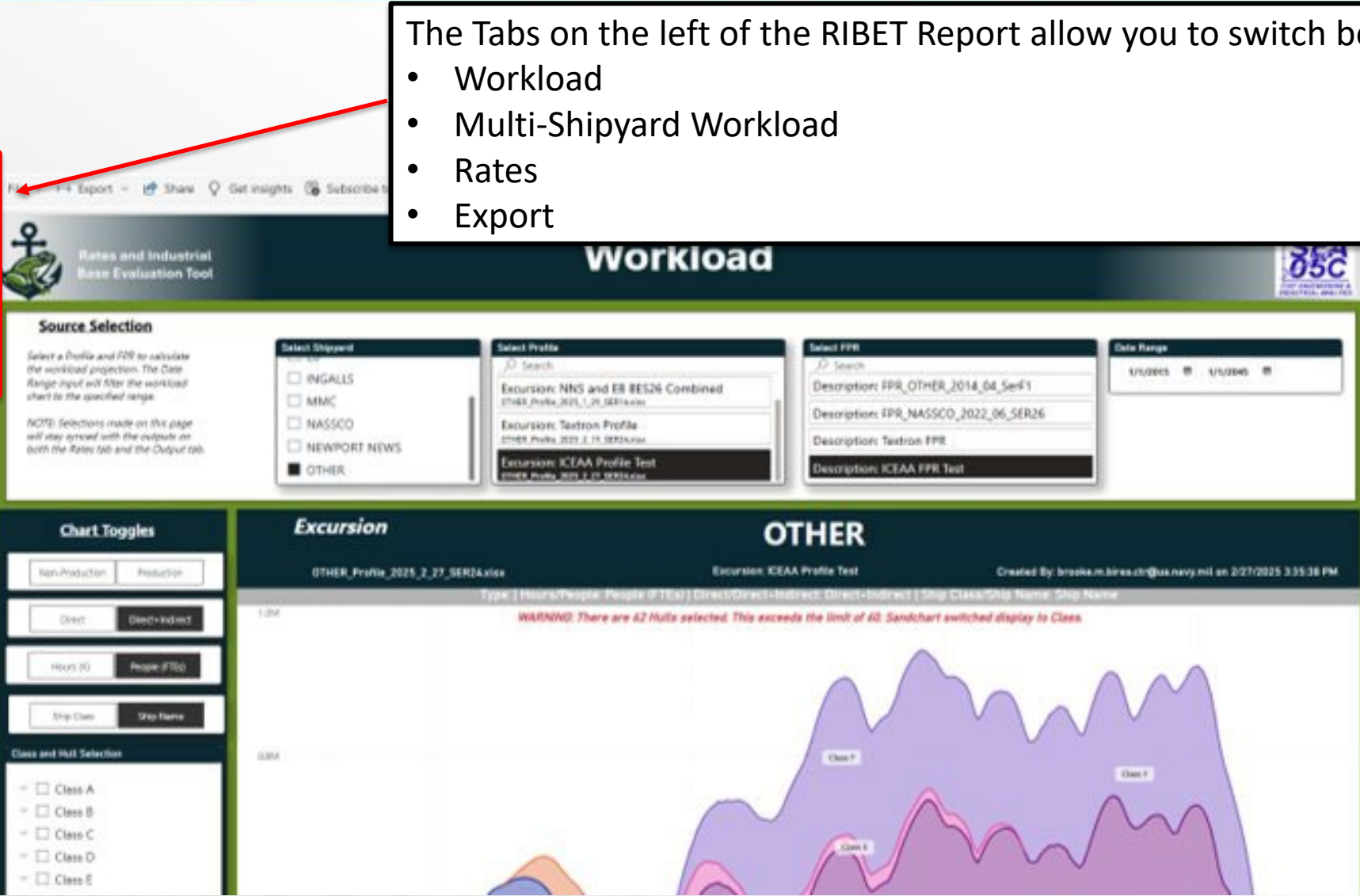
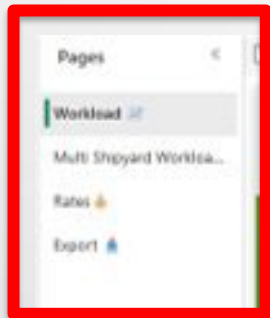


From Teams Channel



The Tabs on the left of the RIBET Report allow you to switch between:

- Workload
- Multi-Shipyard Workload
- Rates
- Export



Ensure that **both** a Profile and an FPR are select

Workload

Base Evaluation Tool SEA OSC

Source Selection

Select a Profile and FPR to calculate the workload projection. The Date Range input will filter the workload chart to the specified range.

NOTE: Selections made on this page will stay synced with the outputs on both the Rates tab and the Output tab.

Select Shipyard

- INGALLS
- MMC
- NASSCO
- NEWPORT NEWS
- OTHER

Select Profile

Excursion: NNS and EB BES26 Combined
OTHER_Profile_2025_1_29_SER16.xlsx

Excursion: Textron Profile
OTHER_Profile_2025_2_19_SER24.xlsx

Excursion: ICEAA Profile Test
OTHER_Profile_2025_2_27_SER24.xlsx

Select FPR

Description: FPR_OTHER_2014_04_SerF1

Description: FPR_NASSCO_2022_06_SER26

Description: Textron FPR

Description: ICEAA FPR Test

Date Range

1/1/2015 1/1/2045

Chart Toggles

Non-Production Production

Direct Direct+Indirect

Hours (K) People (FTEs)

Ship Class Ship Name

Class and Hull Selection

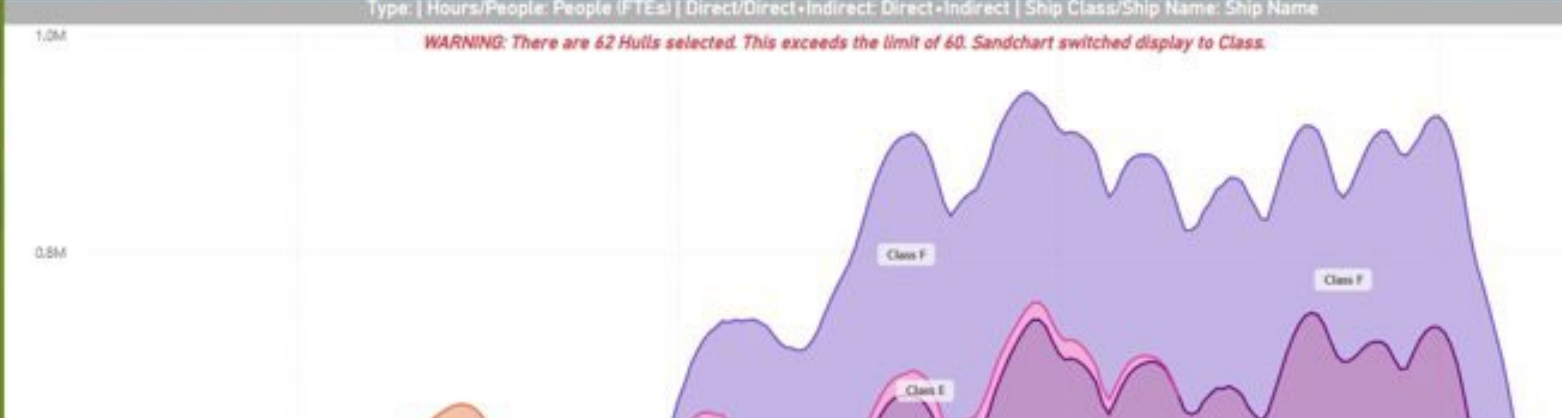
- Class A
- Class B
- Class C
- Class D

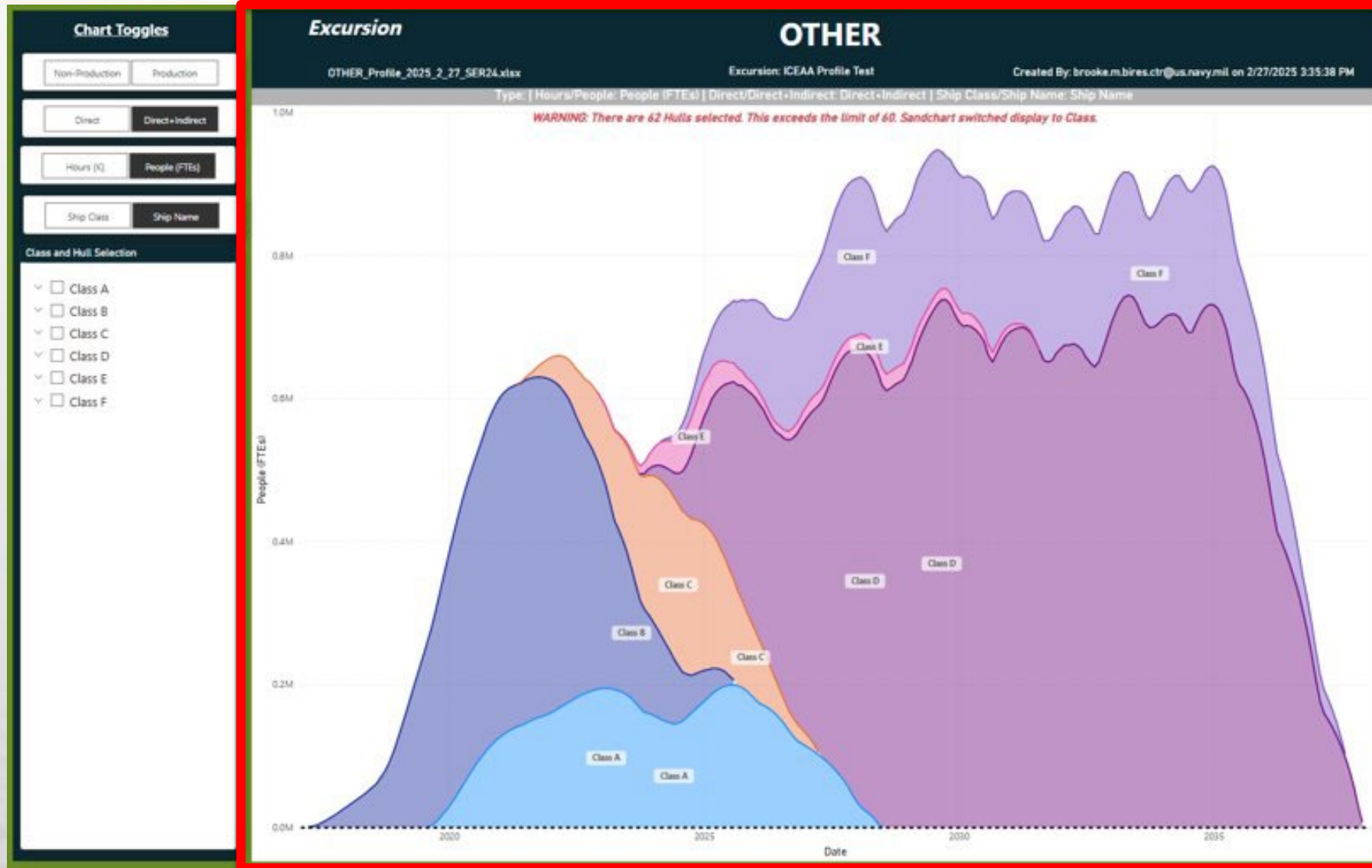
OTHER

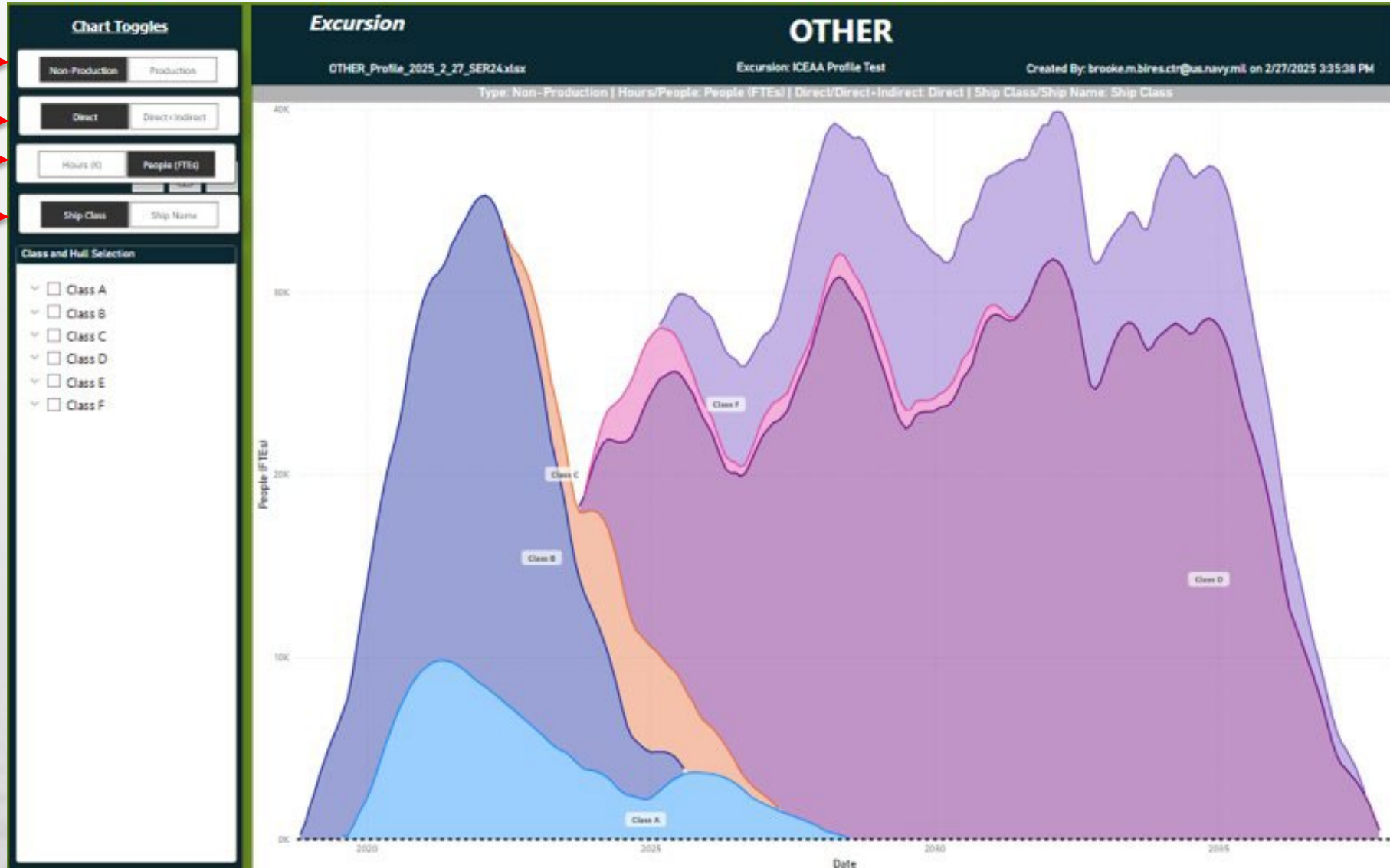
OTHER_Profile_2025_2_27_SER24.xlsx Excursion: ICEAA Profile Test Created By: brooke.m.bires.ctr@us.navy.mil on 2/27/2025 3:35:38 PM

Type: | Hours/People: People (FTEs) | Direct/Direct+Indirect: Direct+Indirect | Ship Class/Ship Name: Ship Name

WARNING: There are 62 Hulls selected. This exceeds the limit of 60. Sandchart switched display to Class.

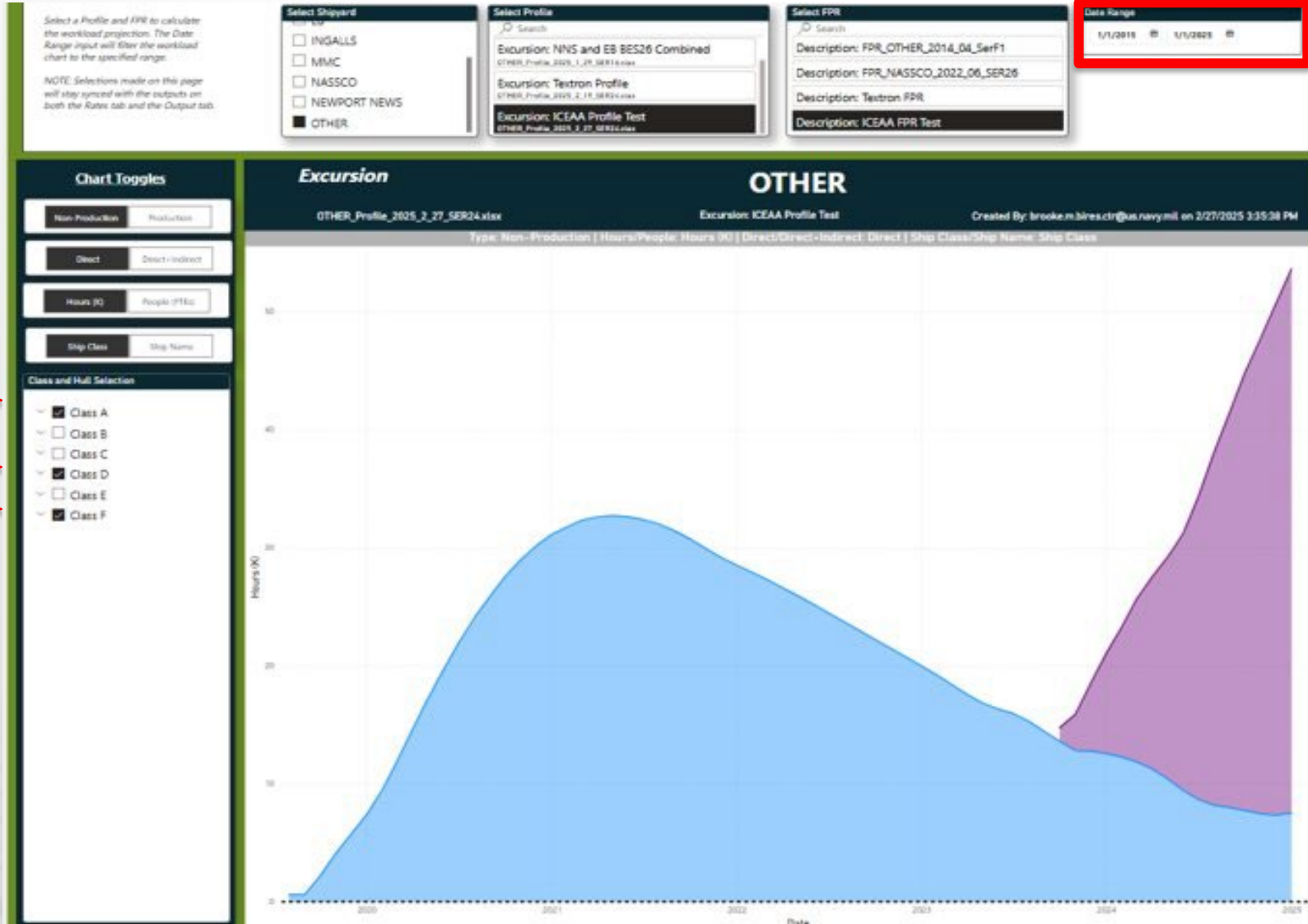


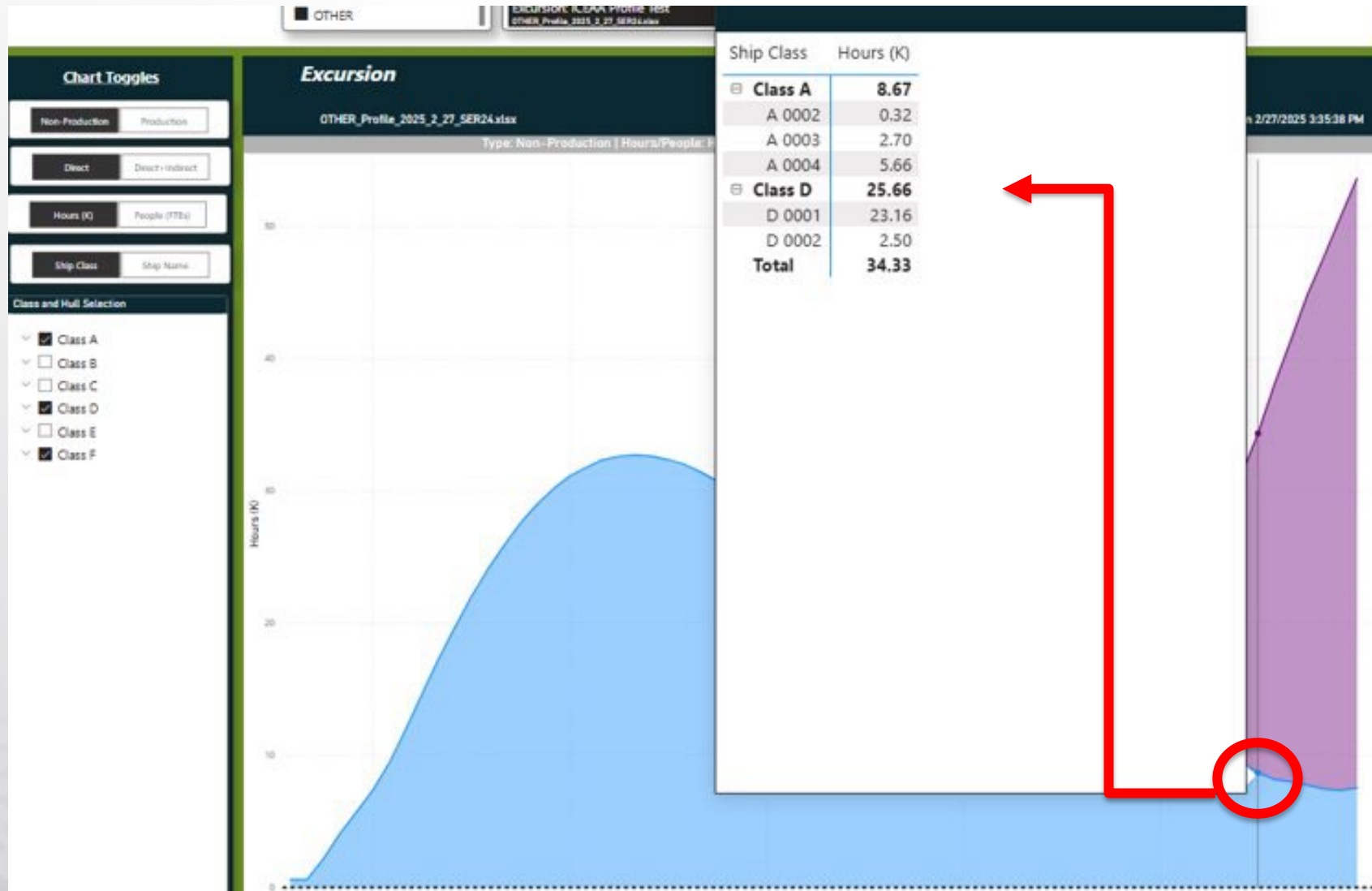






RIBET 2.0





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Workload

Multi Shipyard Workload

Rates

Export

Rates and Industrial Base Evaluation Tool

Labor-OH Projections

Source Selection

NOTE: Selections made on this page will stay synced with the outputs on both the Workload tab and the Output tab.

Select Shipyard

- INGALLS
- MMC
- NASSCO
- NEWPORT NEWS
- OTHER

Select Profile

Search

OTHER_Profile_2025_1_29_SER15.xlsx

OTHER_Profile_2025_1_29_SER16.xlsx

OTHER_Profile_2025_2_18_SER16.xlsx

Excursion: ICEAA TEST PROFILE

Select FPR

Search

OTHER_FPR_2026_10_11_SER15.xlsx

OTHER_FPR_2026_10_11_SER16.xlsx

OTHER_FPR_2026_2_18_SER16.xlsx

Description: ICEAA OTHER FPR TEST

Date Range

1/1/2025 | 1/1/2025

Excursion OTHER

OTHER_Profile_2025_4_2_SER14.xlsx | Excursion: ICEAA TEST PROFILE | Created By: brooke.m.bires.ctr@us.navy.mil on 4/2/2025 2:57:17 PM

Selected FPR Parameters

OTHER_FPR_2025_4_2_SER14.xlsx

1,564

Hours per Person Year

1.070

Total to Direct Ratio

2,012

Production Floor

Rates - By Hull

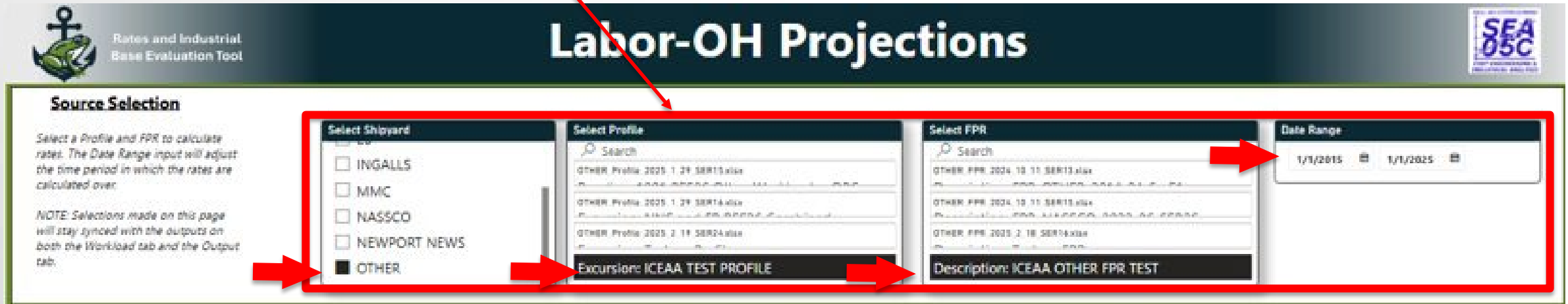
Direct Labor Dollars (K)	Direct Labor Hours (K)	Forward Direct Labor Rates (\$/Hr)	Then-Year OH Rate (%)	Total OH (\$/K)	Wrap Rate (\$/Hr)
Measure Category					
Ship Name		Forward Direct Labor Rates (\$/Hr)			
		Composite	Non-Prod	Prod	
A 0001_712		\$32.	\$33.92	\$31.47	
A 0002_713		\$32.24	\$34.25	\$31.59	
A 0003_714		\$32.38	\$35.03	\$32.16	
A 0004_715		\$32.91	\$36.29	\$32.56	
A 0005_716		\$34.5	\$38.52	\$34.14	
A 0006_717		\$34.86	\$38.91	\$34.49	
B 0001_718					

Rates - By Year

Direct Full Time Equivalents	Direct Labor (\$/Hr)	Direct Labor Hours (K)	OH Rate (%)	Wrap Rate (\$/Hr)
Measure Category				
Year		OH Rate (%)		
		Non-Prod	Prod	Total
2023		140%	57%	76%
2024		157%	69%	89%
2025		215%	108%	132%
2026		167%	73%	92%
2027		160%	79%	96%
2028		159%	102%	116%
2029		164%	79%	97%

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The Profile and FPR preciously selected will carry over to each screen within the dashboard



Rates and Industrial Base Evaluation Tool

Labor-OH Projections

Source Selection

Select a Profile and FPR to calculate rates. The Date Range input will adjust the time period in which the rates are calculated over.

NOTE: Selections made on this page will stay synced with the outputs on both the Workload tab and the Output tab.

Select Shipyard

- INGALLS
- MMC
- NASSCO
- NEWPORT NEWS
- OTHER

Select Profile

Search

OTHER Profile 2025 1 24 5BR15.xlsx
OTHER Profile 2025 1 24 5BR14.xlsx
OTHER Profile 2025 2 14 5BR24.xlsx
Excursions ICEAA TEST PROFILE

Select FPR

Search

OTHER FPR 2024 10 11 5BR13.xlsx
OTHER FPR 2024 10 11 5BR15.xlsx
OTHER FPR 2025 2 18 5BR14.xlsx
Description: ICEAA OTHER FPR TEST

Date Range

1/1/2015 1/1/2025

The screenshot shows a web interface for 'Labor-OH Projections'. It features a 'Source Selection' section with a list of shipyards and a 'NOTE' about selection synchronization. There are three main selection panels: 'Select Shipyard' (with 'OTHER' selected), 'Select Profile' (with 'Excursions ICEAA TEST PROFILE' selected), and 'Select FPR' (with 'Description: ICEAA OTHER FPR TEST' selected). A 'Date Range' panel shows '1/1/2015' to '1/1/2025'. Red arrows highlight the selected options in each panel and the flow of information between them.



Excursion
OTHER

OTHER_Profile_2025_4_2_SER44.xlsx Excursion: ICEAA TEST PROFILE Created By: brooke.m.bires.cbr@us.navy.mil on 4/2/2025 2:57:17 PM

Selected FPR Parameters

OTHER_FPR_2025_4_2_SER19.xlsx

1,564

Hours per Person Year

1.070

Total to Direct Ratio

2,012

Production Floor

242

Non-Production Floor

Rates - By Hull						
	Direct Labor Dollars (K)	Direct Labor Hours (K)	Forward Direct Labor Rates (\$/hr)	Them Year OH Rate (%)	Total OH \$ (K)	Wrap Rate (\$/hr)
Measure Category	Direct Labor Dollars (K)					
Ship Name	Non-Prod	Prod	Total			
A 0001_712	\$5,352	\$16,105	\$21,457			
A 0002_713	\$8,154	\$19,486	\$27,641			
A 0003_714	\$3,973	\$39,792	\$43,765			
A 0004_715	\$3,085	\$31,495	\$34,580			
A 0005_716	\$27	\$4,352	\$4,379			
A 0006_717	\$6	\$2,354	\$2,360			
B 0001_718	\$1,262	\$4,263	\$5,526			
B 0002_719	\$4,973	\$16,126	\$21,100			
B 0003_720	\$10,816	\$21,099	\$31,914			
B 0004_721	\$20,386	\$33,155	\$53,541			
B 0005_722	\$22,127	\$42,190	\$64,317			
C 0002_723	\$5,696	\$25,883	\$31,580			
C 0001_724	\$7,801	\$31,171	\$38,973			
C 0003_725	\$1,807	\$17,863	\$19,670			
C 0004_726	\$285	\$15,348	\$15,633			
C 0005_727		\$8,605	\$8,605			
D 0001_728	\$10,639	\$2,434	\$13,073			
D 0002_729	\$2,142	\$3,198	\$5,340			
D 0003_730						
D 0005_731						
D 0004_732						
D 0006_733						
D 0008_734						
D 0009_735						
D 0007_736						
D 0010_737						
D 0012_738						
D 0011_739						
Total	\$112,116	\$349,635	\$461,751			

Rates - By Year				
	Direct Labor Dollars (K)	Direct Labor Hours (K)	OH Rate (%)	Wrap Rate (\$/hr)
Measure Category	Direct Full Time Equivalents			
Year	Non-Prod	Prod	Total	
2015	242	2,012	2,254	
2016	242	2,012	2,254	
2017	242	2,012	2,254	
2018	242	2,012	2,254	
2019	242	2,012	2,254	
2020	547	2,012	2,559	
2021	826	2,385	3,211	
2022	849	2,430	3,278	
2023	583	2,200	2,783	
2024	620	2,279	2,900	
2025	242	2,012	2,254	
Total	4,877	23,378	28,255	

Excursion

OTHER_Profile_2025_4_2_SER14

Selected FPR Parameters

OTHER_FPR_2025_4_2_SER19.xlsx

1,564

Hours per Person Year

1.070

Total to Direct Ratio

2,012

Production Floor

242

Non-Production Floor

OTHER

Excursion: ICEAA TEST PROFILE

Created By: brooke.m.bires.ctr@us.navy.mil on 4/2/2025 1:57:17 PM

Rates - By Hull

Measure Category	Forward Direct Labor Rates (\$/Hr)		
	Ship Name	Composite	Non-Prod
A 0001_712	\$32.	\$33.92	\$31.47
A 0002_713	\$32.24	\$34.25	\$31.59
A 0003_714	\$32.38	\$35.03	\$32.16
A 0004_715	\$32.91	\$36.29	\$32.56
A 0005_716	\$34.5	\$38.52	\$34.14
A 0006_717	\$34.86	\$38.91	\$34.49
B 0001_718			
B 0002_719	\$32.02	\$33.92	\$31.47
B 0003_720	\$32.15	\$33.92	\$31.47
B 0004_721	\$32.53	\$34.3	\$31.63
B 0005_722	\$32.92	\$34.84	\$31.94
C 0002_723	\$32.94	\$36.05	\$32.06
C 0001_724	\$32.49	\$34.72	\$31.88
C 0003_725	\$32.93	\$36.44	\$32.6
C 0004_726	\$33.12	\$37.42	\$32.73
C 0005_727	\$33.76	\$38.17	\$33.35
D 0001_728	\$35.56	\$37.88	\$34.66
D 0002_729	\$35.61	\$38.69	\$34.8
D 0003_730	\$37.37	\$40.99	\$36.43
D 0005_731	\$38.34	\$42.32	\$37.32
D 0004_732	\$38.01	\$41.74	\$37.05
D 0006_733	\$39.77	\$43.38	\$38.86
D 0008_734	\$40.68	\$45.21	\$39.54
D 0009_735	\$40.73	\$45.22	\$39.6
D 0007_736	\$39.5	\$43.2	\$38.57
D 0010_737	\$41.81	\$46.4	\$40.59
D 0012_738	\$42.14	\$46.63	\$40.84
D 0011_739	\$41.7	\$46.28	\$40.53
Total	\$2,089.82	\$2,250.04	\$1,986.53

Rates - By Year

Measure Category	OH Rate (%)		
	Year	Non-Prod	Prod
2023	140%	57%	76%
2024	157%	69%	89%
2025	215%	108%	132%
2026	167%	73%	92%
2027	160%	79%	96%
2028	159%	102%	116%
2029	164%	79%	97%
2030	187%	92%	112%
2031	186%	124%	139%
2032	248%	164%	200%
2033	507%	169%	223%
Total	197%	106%	126%

The Date Range was switch to better fit this specific profile

Pages <

Workload

Multi Shipyard Workload

Rates

Export

File Export Share Get insights Subscribe to report Edit

Rates and Industrial Base Evaluation Tool

Labor-OH Projections

Source Selection

Select a Profile and FPR to calculate rates. The Date Range input will adjust the time period in which the rates are calculated over.

NOTE: Selections made on this page will stay synced with the outputs on both the Workload tab and the Output tab.

Select Shipyard

- INGALLS
- MMC
- NASSCO
- NEWPORT NEWS
- OTHER

Select Profile

Search

OTHER_Profile_2025_1_29_SER11.xlsx

OTHER_Profile_2025_1_29_SER14.xlsx

OTHER_Profile_2025_2_18_SER31.xlsx

Excursions: ICEAA TEST PROFILE

Select FPR

Search

OTHER_FPR_2024_10_11_SER13.xlsx

OTHER_FPR_2024_10_11_SER14.xlsx

OTHER_FPR_2025_2_18_SER14.xlsx

Description: ICEAA OTHER FPR TEST

Date Range

1/1/2023 1/1/2023

Excursion

OTHER

OTHER_Profile_2025_4_2_SER44.xlsx Excursion: ICEAA TEST PROFILE Created By: brooks.m.bines.ctr@us.navy.mil on 4/2/2025 2:57:17 PM

Selected FPR Parameters

OTHER_FPR_2025_4_2_SER19.xlsx

1,564

Hours per Person Year

1.070

Total to Direct Ratio

2,012

Production Flow


Rates - By Hull

Direct Labor Dollars (K)	Direct Labor Hours (K)	Forward Direct Labor Rates (\$/Hr)	Then Year OH Rate (%)	Total OH \$ (K)	Wrap Rate (\$/Hr)
Measure Category					
		Forward Direct Labor Rates (\$/Hr)			
Ship Name		Composite	Non-Prod	Prod	
A 0001 712		\$32.	\$33.92	\$31.47	
A 0002 713		\$32.24	\$34.25	\$31.59	
A 0003 714		\$32.38	\$35.03	\$32.16	
A 0004 715		\$32.91	\$36.29	\$32.56	
A 0005 716		\$34.5	\$38.52	\$34.14	
A 0006 717		\$34.86	\$38.91	\$34.49	
B 0001 718					


Rates - By Year

Direct Full Time Equivalents	Direct Labor (\$/Hr)	Direct Labor Hours (K)	OH Rate (%)	Wrap Rate (\$/Hr)
Measure Category				
		OH Rate (%)		
Year	Non-Prod	Prod	Total	
2023	140%	57%	76%	
2024	157%	69%	89%	
2025	215%	108%	132%	
2026	167%	73%	92%	
2027	160%	79%	96%	
2028	159%	102%	116%	
2029	164%	79%	97%	

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Export



Source Selection

Select a Profile and FPR to calculate rates. The Date Range input will adjust the time period in which the rates are calculated over.

NOTE: Selections made on this page will stay synced with the outputs on both the Workload tab and the Rate tab.

Select Shipyard

- INGALLS
- MMC
- NASSCO
- NEWPORT NEWS
- OTHER

Select Profile

Search

Baseline: 1001 BES26 Other Workload w OPC

Excursion: NNS and EB BES26 Combined

Excursion: Textron Profile

Excursion: ICEAA TEST PROFILE

Select FPR

Search

Description: FPR_OTHER_2014_04_SerF1

Description: FPR_NASSCO_2022_06_SER26

Description: Textron FPR

Description: ICEAA OTHER FPR TEST

Date Range

1/2/2021 - 1/1/2054

Direct/Indirect

Direct Indirect

Hours/People

Hours People

Excursion

OTHER_Profile_2025_4_2_SER44.xlsx

OTHER

Excursion: ICEAA TEST PROFILE

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OTHER_FPR_2025_4_2_SER19.xlsx

1,564

Hours per Person Year

1.070

Total to Direct Ratio

2,012

Production Floor

242

Non-Production Floor

Export

OTHER_Profile_2025_4_2_SER44.xlsx

Description: ICEAA TEST PROFILE

Created On: 4/2/2025 2:57:17 PM

Created By: brooke.m.bires.ctr@us.navy.mil

Ship Yard: OTHER

Year Range-Start Date (01/01/yyyy): 1/2/2021

Year Range-End Date (mm/01/yyyy): 1/1/2054

Indirect or Direct+Indirect: Direct

Hours or People: People

Hours per Person Year: 1564 →

Total-to-Direct Ratio: 1.07

Use Various?

Show Floor?

Floor: Only for Direct, People

Fiscal Year	Ship Name	Future Current	Yard Name	Ship Class	Non-Prod. Start Date	Prod. Start Date	End Date	Production Hours	Non-Prod. Hours	Labor Distribution Code Prod	Labor Distribution Code Non-Prod	Color
18	A 0001	Current	East Yard	Class A	8/19/2019	9/2/2019	10/16/2023	1,104,000	640,732	7000	100	No Color Selected
19	A 0002	Current	East Yard	Class A	2/29/2020	8/30/2019	7/29/2024	1,127,180	498,554	7000	100	No Color Selected
22	A 0003	Current	East Yard	Class A	12/29/2021	5/16/2021	1/11/2028	1,528,150	129,019	7000	100	No Color Selected

Export | 1 | Open report

OTHER_Profile_2025_4_2_SER44.xlsx

Microsoft Excel (.xlsx) PDF (.pdf) Accessible PDF (.pdf) Comma Separated Values (.csv) Microsoft PowerPoint (.pptx) Microsoft Word (.docx) Web Archive (.mhtml) XML (.xml)

IA TEST PROFILE
2025 2:57:17 PM
jke.m.bires.ctr@us.navy.mil
IER

Year Range-Start Date (01/01/yyyy):	1/2/2021
Year Range-End Date (mm/01/yyyy):	1/1/2054
Indirect or Direct+Indirect:	Direct
Hours or People:	People

Hours per Person Year:	1554
Total-to-Direct Ratio:	1.07

Use Various?
Show Floor?

Floor: Only for Direct, People

Fiscal Year	Ship Name	Future/Current	Yard Name	Ship Class	Non-Prod. Start Date	Prod. Start Date	End Date	Production Hours	Non-Prod. Hours	Labor Distribution Code Prod	Labor Distribution Code Non-Prod	Color
19	A 0001	Current	East Yard	Class A	8/19/2019	9/2/2019	10/15/2023	1,184,068	540,732	7000	100	No Color Selected
19	A 0002	Current	East Yard	Class A	2/29/2020	8/30/2019	7/29/2024	1,127,188	498,554	7000	100	No Color Selected
22	A 0003	Current	East Yard	Class A	12/29/2021	5/19/2021	1/11/2028	1,528,150	129,019	7000	100	No Color Selected
23	A 0004	Current	East Yard	Class A	5/25/2023	1/22/2022	11/8/2028	1,484,805	140,757	7000	100	No Color Selected
23	A 0005	Future	East Yard	Class A	12/5/2024	3/27/2024	2/2/2028	1,305,531	118,845	7000	100	No Color Selected
23	A 0006	Future	East Yard	Class A	1/4/2025	5/24/2024	7/20/2028	1,286,148	118,802	7000	100	No Color Selected
18	B 0001	Current	East Yard	Class B	11/30/2018	4/11/2017	8/12/2022	2,390,070	739,487	7000	100	No Color Selected
17	B 0002	Current	East Yard	Class B	9/9/2019	9/10/2018	3/27/2023	2,356,364	727,824	7000	100	No Color Selected
17	B 0003	Current	East Yard	Class B	8/28/2020	4/3/2018	9/30/2023	2,324,756	717,545	7000	100	No Color Selected



OTHER_Profile_2025_4_2_SER44.xlsx

Description:	ICEAA TEST PROFILE	Year Range Start Date (01/01/yyyy):	1/2/2021
Created On:	4/2/2025 2:57:17 PM	Year Range End Date (mm/01/yyyy):	1/1/2054
Created By:	brooke.m.bines.ctr@us.navy.mil	Indirect or Direct - Indirect:	Direct
Ship Yard:	OTHER	Hours or People:	People

Hours per Person Year:	1554 →	Use Various?	<input type="checkbox"/>
Total-to-Direct Ratio:	1.07	Show Floor?	<input type="checkbox"/>

Floor Only for Direct People

Fiscal Year	Ship Name	Esture Current	Yard Name	Ship Class	Non-Prod Start Date	Prod Start Date	End Date	Production Hours	Non-Prod Hours	Labor Distribution Code Prod	Labor Distribution Code Non-Prod	Color
18	A 0001	Current	East Yard	Class A	8/15/2019	8/2/2019	10/15/2023	1,164,066	540,732	7000	100	No Color
19	A 0002	Current	East Yard	Class A	2/26/2020	8/30/2019	7/29/2024	1,127,186	495,554	7000	100	Selected
22	A 0003	Current	East Yard	Class A	12/29/2021	5/16/2021	1/11/2026	1,528,150	529,019	7000	100	No Color
23	A 0004	Current	East Yard	Class A	5/25/2023	1/22/2022	11/6/2026	1,484,605	560,757	7000	100	Selected
23	A 0005	Future	East Yard	Class A	12/5/2024	3/27/2024	2/3/2028	1,365,531	118,845	7000	100	No Color
23	A 0006	Future	East Yard	Class A	1/4/2025	5/24/2024	7/26/2028	1,286,148	118,802	7000	100	Selected
16	B 0001	Current	East Yard	Class B	11/30/2018	4/11/2017	8/12/2022	2,390,870	739,467	7000	100	No Color
17	B 0002	Current	East Yard	Class B	9/9/2019	9/10/2018	3/27/2023	2,358,364	727,824	7000	100	Selected
17	B 0003	Current	East Yard	Class B	8/28/2020	6/3/2018	9/30/2023	2,325,720	717,345	7000	100	No Color
18	B 0004	Current	East Yard	Class B	5/31/2021	9/4/2018	9/8/2024	2,297,847	708,019	7000	100	Selected
19	B 0005	Current	East Yard	Class B	9/8/2021	2/6/2019	8/19/2025	2,273,557	700,887	7000	100	No Color
22	C 0002	Current	East Yard	Class C	9/2/2023	8/28/2021	11/13/2025	935,790	295,401	7000	100	Selected
21	C 0001	Current	East Yard	Class C	6/28/2022	5/9/2021	6/3/2025	1,076,850	233,015	7000	100	No Color
23	C 0003	Current	East Yard	Class C	10/5/2023	12/2/2022	5/4/2026	869,923	82,038	7000	100	Selected

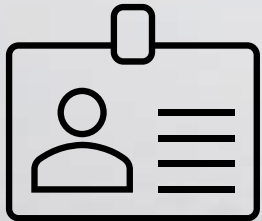
Profile Inputs | Production Chart | Production Data | Non-Production Chart | Non-Production Data | Total Chart | Total Data | OSC1 Estin



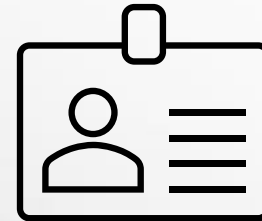
The development of RIBET 2.0 using Power Platform, demonstrates the successful application and usefulness of Power BI and Power Apps. In conclusion, Power Platform helped develop RIBET by:

- Addressing issues such as slow processing times, file centralization, and poor visualizations
- Low-code solutions
- Real-time data access
- Integration across multiple platforms
- Streamlining business processes
- Enhancing data management

Question and Answer



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