

APEX OVERVIEW

August 8, 2019

Agenda

- 1 Annual Planning Overview
- 2 Conversion to Apex
- 3 Walkthrough of Application

Disclaimer

Neither futures trading nor swaps trading are suitable for all investors, and each involves the risk of loss. Swaps trading should only be undertaken by investors who are Eligible Contract Participants (ECPs) within the meaning of Section 1a(18) of the Commodity Exchange Act. Futures and swaps each are leveraged investments and, because only a percentage of a contract's value is required to trade, it is possible to lose more than the amount of money deposited for either a futures or swaps position. Therefore, traders should only use funds that they can afford to lose without affecting their lifestyles and only a portion of those funds should be devoted to any one trade because traders cannot expect to profit on every trade.

CME Group, the Globe Logo, CME, Globex, E-Mini, CME Direct, CME DataMine and Chicago Mercantile Exchange are trademarks of Chicago Mercantile Exchange Inc. CBOT is a trademark of the Board of Trade of the City of Chicago, Inc. NYMEX is a trademark of New York Mercantile Exchange, Inc. COMEX is a trademark of Commodity Exchange, Inc. All other trademarks are the property of their respective owners.

The information within this communication has been compiled by CME Group for general purposes only. CME Group assumes no responsibility for any errors or omissions. Additionally, all examples in this communication are hypothetical situations, used for explanation purposes only, and should not be considered investment advice or the results of actual market experience. All matters pertaining to rules and specifications herein are made subject to and superseded by official CME, CBOT, NYMEX and COMEX rules. Current rules should be consulted in all cases concerning contract specifications.

Copyright © 2019 CME Group Inc. All rights reserved.

Annual Planning

This application will:

- Help allocate resources
 - Shows list of resources per team
 - Allows leaders to allocate RTB/ Project Hours per resource
 - Calculates Variance Hours (Total Hours- (Admin Hours+ Project Hours+ RTB Hours))
- Provide workspace for potential deeper resource allocation by project
 - Allows leaders to list future projects
 - Allows leaders to add resources to a specific project
 - Breaks down total hours per project, total hours per resource, and total project/rtb hours left per resource
- Based on project breakdown, this app will calculate project feasibility based on:
 - Pro fees, maintenance, and capital budget
 - Project hours allocated and RTB Hours

Trigger Warning:

File Home Insert Page Layout Formulas Data Review View Help Design Tell me what you want to do

Clipboard Font Alignment Number Styles Cells Editing Webex

1 READ-ONLY We opened this workbook read-only from the server. Edit Workbook

E26

CME Group

Project Summary Hours Strategic Priorities Assumptions

ADD TO PROJECTS

Rank	Program	Project Name	Description	Pro-fees	Capital	Maintenance	RTB hours	Project hours	Owner	Comments	I&O needed?	E&E needed?	Delivery PM needed?	Est. Start
CME Priority														
	Business Initiatives		PMGT-13759, PMGT-8470, PMGT-1323											
	Business Initiatives		PMGT-6841											
	Business Initiatives		PMGT-11840, PMGT-10284											
	Business Initiatives		PMGT-11000, PMGT-10478											
	Business Initiatives		PMGT-11244											
	Business Initiatives		PMGT-11882											
	Business Initiatives		PMGT-7297											
	Business Initiatives		PMGT-2411											
	Business Initiatives		PMGT-10485											
	Business Initiatives		PMGT-7417											
	Business Initiatives		PMGT-5485											
	Business Initiatives		PMGT-2479											
	Business Initiatives		PMGT-14447											
	Business Initiatives		PMGT-11173											
	Business Initiatives		PMGT-8133											
	Business Initiatives		Resources set aside for REX											
	Business Initiatives													
Carryover Projects														
	Data Protection Program		Privileged Access Logging and Monitoring						Fisher					
	Data Protection Program		11220						Costa/Biske	600 hours were allotted last year to this	X	X	X	
	Data Protection Program		Execution of the DE program through 2019						Warden/Vo/Lyle/Tsou	750 hours allotted last year		X	X	
	Business Initiatives		Completing the security stack for AWS						Warden/Garcia			X	X	
2018 Deferred														
	Network Protection Program		Recommendation for Endpoint stack						Costa/Biske, Fisher	Just for the recommendation	X		X	
GA Audits/Findings														
										If needed on based				

Projects Summary Hours Strategic Priorities Assumptions

Entry and Login

After logging in with your OnePass and password, this is the screen you should see:



Please choose your vertical



GIS Architecture

GIS IAM

GIS Cyber Security Engineering and Operations

GIS Technical Risk and IT Compliance

GIS Delivery



Choose your year

Choose the year you wish to forecast:



GIS Delivery Team

Ivan Clatanoff

Choose a year

2019

2020



Step 1: Hours

Welcome to GIS Annual Planning! The 1st step is to verify that the resources and allocation for your team are accurate. Follow the step below to begin this process.

- Click on the “GIS Team” column name to select your team. Adjust the resource allocation, if needed.
- To add a new Resource, click on the “Add new resource” button (top right hand side).
- To edit an existing Resource, click on the “pencil” (left hand side).

Q

Go

Actions

Add new resource

	GIS Team	Resource Type	Name	Location	Total Hours	Admin (10%) and PTO (10%) Hours	Project Hours	RTB Hours	Variance Hours
	GIS Delivery	Consultant	Insert project name here	Chicago	2088	418	1670	0	Automatically Calculated
	GIS Delivery	Employee		Chicago	2088	418	1670	0	
	GIS Delivery	Employee		Chicago	2088	418	1670	0	
	GIS Delivery	Employee		Chicago	2088	418	1670	0	
	GIS Delivery	Consultant		Chicago	2088	418	1670	0	
	GIS Delivery	Employee		Chicago	2088	418	1670	0	
	GIS Delivery	Consultant		Chicago	2088	418	1670	0	
	GIS Delivery	Consultant		Chicago	2088	418	1670	0	
	GIS Delivery	Intern		Chicago	480	48	432	0	
	GIS Delivery	Employee		Belfast	2088	418	1670	0	

1 - 10

Summary

Step 2: Projects

The 2nd step is to enter the 2020 projects for your team. It has been pre-populated with activities from 2019 as a starting point.

- To add a new Project or RTB, click on the “Add new project” button (top right hand side).
- To edit an existing Project or RTB, click on the “pencil” (left hand side).
- To delete an existing Project or RTB, click on the “pencil” to edit and select the “Delete” button.

Q v

Go

Actions v

Optional Tool: Workspace 

Add new project 

Project Category 	GIS Team	GISport ID	Rank	GIS Strategy	Program	Project Name	Description	Impacted Teams	Est Start Quarter	Est End Quarter	Project Status	Budget Category	Pro Fees	Capital	Hardware Maintenance	Software Maintenance	Software Subscription	Employee Project Hours	Employee RTB Hours	Consultant Project Hours		
	RTB Line Items	Infra/App Architecture	-	Yes-RTB	Insert project and program name here		-	GIS Architecture	-	-	-	GIS	Input forecasted budget/hours NOTE: Please double check if Project Category= RTB Line Items that hours are RTB Hours and if Project Category is NOT RTB Line Items that Hours are Project Hours						0	0		
	RTB Line Items	Infra/App Architecture	-	Yes-RTB			-	GIS Architecture	-	-	-	GIS								0	0	
	RTB Line Items	Infra/App Architecture	-	Yes-RTB			-	GIS Architecture	-	-	-	GIS								0	0	
	RTB Line Items	Infra/App Architecture	-	Yes-RTB			-	GIS Architecture	-	-	-	GIS								0	140	
	RTB Line Items	Infra/App Architecture	-	Yes-RTB			-	GIS Architecture	-	-	-	GIS								20	20	1
	RTB Line Items	Infra/App Architecture	-	Yes-RTB			-	GIS Architecture	-	-	-	GIS								0	0	

Insert project and program name here

Input forecasted budget/hours

NOTE: Please double check if Project Category= RTB Line Items that hours are RTB Hours and if Project Category is NOT RTB Line Items that Hours are Project Hours

Step 2: Projects Form

NOTE: For reference, both the GIS Actuals and the CME Maturity Remediation Actuals (Jan to June 2019) can be found in the "Attachments" page as well as the link to the Bravo (forecasting tool).

Project Category Dropdown-

- Business Initiative
- Carryover Projects
- New Projects
- RTB Line Items

Project Status Dropdown-

- New
- In Prioritization
- In Pre-initiation
- In Execution
- Closed OR
Approved
- Deferred from CCB

CME Group

* Project Category

GIS Team

GISport ID Only If Carryover Project

* Is this required?

☐ Yes- Business Initiative ☐ Yes- NEX Integration

☐ Yes- CME Maturity ☐ Yes- Regulatory Requirement

☐ Yes- GA Audit ☐ Yes- RTB

☐ No- Nice to Have

GIS Strategy

Program

* Project Name

Description

Impacted Teams

☐ E&E ☐ I&O - General

☐ I&O - Core Technology Services ☐ I&O - Data Center Engineering (DCE)

☐ I&O - Vulnerabilities & Risk Tools ☐ I&O - Database Services

☐ I&O - Enterprise Server Platforms ☐ I&O - I&O Management

☐ I&O - Networking ☐ I&O - Platform Engineering

☐ I&O - Telecommunications ☐ I&O ETPA

☐ GIS Architecture ☐ GIS IAM

☐ GIS Engineering and Operations ☐ GIS Technical Risk and IT Compliance

☐ GIS Delivery ☐ APM

☐ Information Governance ☐ Procurement

☐ Third Party Risk Management (TPRM) ☐ Other

Est Start Quarter ☐ 2020-Q1 ☐ 2020-Q2 ☐ 2020-Q3 ☐ 2020-Q4

Est End Quarter ☐ 2020-Q1 ☐ 2020-Q2 ☐ 2020-Q3 ☐ 2020-Q4

Project Status

Budget Category ☐ MAD ☐ NEX ☐ GIS ☐ Other- Please put source in 'Notes'

* Pro Fees 0

* Capital 0

* Software Maintenance 0

* Software Maintenance 0

Step 2: Workspace Tool

This is the user's playground to help formulate more accurate forecasts of employee/consultant hours and total project hours.

Workspace

Total Hours Per Project








Total Hours Per Resource

Q v

Go

Actions v

Add New Project

	Project Category	Project Name	Name	Resource Type	Hours	Weeks	Total Hours
	Business Initiative	<div>It is important to check spelling of Resource Name and Project Name</div>		Employee	-	-	-
	-		-	-	-	-	
	RTB Line Items		Employee	3	2	6	
	-		-	-	-	-	
	Carryover Projects		Employee	10	5	50	
	-		-	-	-	-	
	-		-	-	-	-	

Step 2: Workspace Tool

Workspace Total Hours Per Project Total Hours Per Resource

Q v Go

Actions v

Project Category	Project Name	Total Hours
Project Category NEEDS to be consistent when having multiple rows containing information about the same project.		

If the leader does not want to breakdown per resource, they can also use this page to estimate total hours and weeks per project to calculate total hours per project.

Workspace Total Hours Per Project Total Hours Per Resource

Q v Go

Actions v

Project Category	Name	Total Hours
It is important to check spelling of Resource Name and Project Name		

Total Available Hours Left Per Resource (RTB+ Project Hours+Admin/PTO)

Q v	Go
Actions v	
Name	Total Hours Remaining
	1838
	1738
	1308
	2063
	474
	1448
1 - 6	

Available RTB Hours Left Per Resource

Q v	Go
Actions v	
Name	RTB Hours Remaining
	-250
	-190
	-180
	-25
	-

Available Project Hours Left Per Resource

Q v	Go
Actions v	
Name	Project Hours Remaining
	1510
	1070
	-
	1060




Step 3: Summary

The 3rd step is to review the (1) Summary below and make any necessary adjustments to the PROJECTS page.

Note: The data is taken from the PROJECTS page. Follow the step below to begin this process.



- Review the Alerts at the top of the page, if any.
- To edit items, go to the PROJECTS page to adjust. It will then be reflected in this page.



ALERTS



ALERT!! CAPITAL OVER BUDGET 
ALERT!! MAINTENANCE OVER BUDGET 
ALERT!! PROJECT HOURS OVER RESOURCED 



Summary



This does not include 'Nice to have' projects

☒  IF Capital Over Budget, Cell will highlight 

☒  IF Maintenance Over Budget, Cell will highlight 

☒  IF RTB Hours Over Budget, Cell will highlight 

☒  IF Pro Fees Over Budget, Cell will highlight 

☒  IF Project Hours Over Budget, Cell will highlight 

Summary	Pro fees	Capital	Total Maintenance	RTB Hours	Project Hours
Threshold					
Forecasted					
Variance	400000	-5	-45	430	-1438

1 - 3

Variance= Threshold-Forecasted

Variance will highlight in Blue if over budget/hours

Step 3: Summary

Project Category Breakdown

<div>Q</div>							<div>Go</div>	<div>Actions</div>	<div>Refresh</div>			
Project Category	Total Pro Fees	Total Capital	Hardware Maintenance	Software Maintenance	Software Subscription	Total Maintenance	Total Employee RTB Hours	Total Consultant RTB Hours	Total RTB Hours	Total Employee Project Hours	Total Consultant Project Hours	Total Project Hours
Carryover Projects	Automatically Calculated from PROJECTS page						0	0	0	4341	504	4845
GIS Intake Projects/POCS							0	0	0	6191	0	6191
RTB Line Items							1255	290	1545	50	100	150
1 - 3												

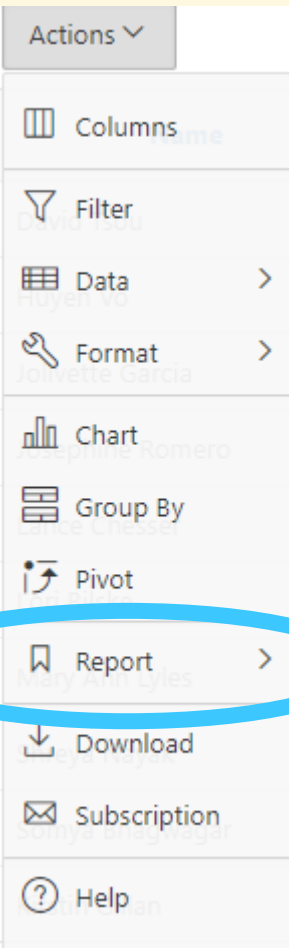
Budget Category Breakdown

<div><div><div>Q</div><div>▼</div></div><div></div><div>Go</div><div>Actions ▼</div></div>													
Budget Category	Total Pro Fees	Total Capital	Hardware Maintenance	Software Maintenance	Software Subscription	Total Maintenance	Total Employee RTB Hours	Total Consultant RTB Hours	Total RTB Hours	Total Employee Project Hours	Total Consultant Project Hours	Total Project Hours	
GIS Internal	Automatically calculated from PROJECTS page						520	0	520	0	0	0	
-	Automatically calculated from PROJECTS page						735	290	1025	10582	604	11186	
1 - 2													

Actions Dropdown

Allows user to set filters

Breakdown of
data/conditional highlights



Shows which columns are visible/ the order they appear

Aggregate/sum/computations

Visualization of data

Save report once done
with editing actions!

Thank you

