Oracle Construction Intelligence Cloud Analytics Data Visualization Reference Guide

December 2023



Oracle Construction Intelligence Cloud Analytics Data Visualization Reference Guide Copyright © 2022, 2023, Oracle and/or its affiliates. Primary Author: Oracle Corporation

# Contents

Overview	
About Your Login Credentials	5
Reset Your Password	5
Accessing the Dashboards	6
Leveraging the Sample Dashboards for your Organization	6
Remapping Fields Used in Data Visualizations	7
Remap Fields Used in Calculated Measures	7
Data Visualizations Using P6 EPPM Data	
Cost Overview Dashboard	9
Earned Value and Risk Analysis Dashboard	
Overview - Portfolio, Risk, EV	
Key Milestones Tracking Dashboard	23
Integrated Schedule Delivery KPI Dashboard	
Activity Look Ahead Dashboard	
Shutdown / Turnaround / Outage Dashboard	56
Labor Units History Dashboard	64
CPI, SPI, and Labor Units Dashboard	66
Project Risk - Cost Overview Dashboard	67
Project Health Assessment Dashboard	71
Data Visualizations Using Unifier Data	
Cash Flow Summary Dashboard	
Forecasted Cost Analytics Overview Dashboard	91
Submittals Overview Dashboard	92
Tracking Maintenance Status Dashboard	97
Data Visualizations Using Unifier Essentials Data	
Project Status Dashboard	
Root Cause Analysis Dashboard	
Budget Insights Dashboard	114
Data Visualizations Using Oracle Aconex Data	
Users, Projects, and Organizations Sample Dashboard	
Mails Sample Dashboard	
Documents Sample Dashboard	
Workflow Sample Dashboard	
Data Visualizations Using Blended Data	
Cost Overview Project	141
Project Performance Measurement	

Appendix A: Custom Data Sets for Unifier Data	
Appendix B: Field Mappings Between Unifier Essentials and CIC Analytics	

# **Overview**

Data visualizations can be crafted in CIC Analytics from the following data sources:

- ► P6 EPPM
- Unifier
- Oracle Primavera Cloud
- Unifier Essentials
- Oracle Aconex
- Using blended data

The dashboards / visualizations are broken up by data source and high level personas for each data source. The blended data includes dashboards that are pulling data from multiple sources.

The *Data Visualization Reference Guide* provides a sampling of the various types of data visualizations you can create from each of the data sources listed above.

# In This Section

About Your Login Credentials	.5
Reset Your Password	5
Accessing the Dashboards	6
Leveraging the Sample Dashboards for your Organization	. 6

# **About Your Login Credentials**

New customers receive an initial email from no-reply@oracle.com to activate their Oracle Cloud account. The link has an expiration date mentioned at the bottom of the email. Make sure to activate your account before the link expires.

You will receive a separate welcome email from no-reply@primavera.oraclecloud.com that includes the URL to access CIC Analytics.

All other email communications coming from your CIC Analytics environment will be sent from no-reply@primavera.oraclecloud.com.

#### Tips

- If you do not receive either email, check the spam or junk folder in your email account, or reach out to your customer success manager or application administrator.
- In case you miss the activation window to activate your CIC Analytics account, reach out to your customer success manager or application administrator.
- Add no-reply@oracle.com and no-reply@primavera.oraclecloud.com to your address book or list of approved contacts.

# **Reset Your Password**

You can reset your password for CIC Analytics at any time.

To reset your password:

- 1) Navigate to the Oracle Cloud Account Sign In page.
- 2) Select the Need help Signing in? Click here link.
- 3) On the Forgot your password page, enter your username, and then select Next.
- 4) Review the on-screen message, and select Submit.
- 5) Select the **Password Reset** button in the email you receive.
- 6) On the **Reset Your Password** page, complete the **New Password** and **Confirm New Password** fields.

**Note**: The **Confirm New Password** field will not be active until your new password meets the specified criteria.

- 7) Select Submit.
- 8) Select **Click here** to continue to navigate back to the **Oracle Cloud Account Sign In** page, and log in with your new password.

**Note**: To allow time for system processing, it is recommended that you wait a few minutes before logging in with your new password.

#### Accessing the Dashboards

To access the out-of-the-box visualizations delivered with CIC Analytics:

- 1) Sign in to CIC Analytics.
- 2) In the left navigation pane, select **Catalog**, **Shared Folders**, and **CIC Analytics OOTB Samples**.
- 3) Select any of the delivered dashboards.

**Note**: These dashboards are refreshed with each release to include new or updated dashboards.

#### Leveraging the Sample Dashboards for your Organization

To customize the dashboards delivered with CIC Analytics, you will need to perform the following tasks:

- Remapping Fields Used in Data Visualizations (on page 7)
- Remap Fields Used in Calculated Measures (on page 7)

Note:

#### **Remapping Fields Used in Data Visualizations**

#### Prerequisite

To ensure you don't overwrite the sample dashboards delivered with CIC Analytics with your customizations:

- 1) Open the sample dashboard you plan to customize
- 2) Click **Save As** and store it in separate folder of your choice in the catalog.

#### **Remapping Fields**

To repoint or remap fields used in a data visualization:

- 1) Select a target visualization.
- 2) In the Data panel, select the field you will use to replace the current field in the selected visualization.

For example, replace **Project Cost 21** column in the pivot table with the **Non-Commitment Costs** field.

- 3) Drag and Drop the Non-Commitment Costs field on the Project Cost 21.
- 4) Save the workbook.

#### **Remap Fields Used in Calculated Measures**

#### Prerequisite

To ensure you don't overwrite the sample dashboards delivered with CIC Analytics with your customizations:

- 1) Open the sample dashboard you plan to customize
- 2) Click **Save As** and store it in separate folder of your choice in the catalog.

#### **Remapping Calculated Measures**

To remap fields used in a calculated measure:

1) In the **Data** panel, expand **My Calculations**, and then, select the calculated measure you want to update.

For example, select the **# Project Count** measure.

- 2) Right click **# Project Count** and then select **Edit Calculation**.
- 3) In the **Edit Calculation** dialog box, delete the current field, and then drag and drop the field you want to replace with.

For example, delete the **Project ID** field, and drag and drop the **Project Object ID** field to replace in the calculated measure.

4) Click Save.

# **Data Visualizations Using P6 EPPM Data**

The following data visualizations have been created using P6 EPPM data for Executives, Project Managers, and Portfolio Managers:

# **In This Section**

Cost Overview Dashboard	9
Earned Value and Risk Analysis Dashboard	. 11
Overview - Portfolio, Risk, EV	. 15
Key Milestones Tracking Dashboard	. 23
Integrated Schedule Delivery KPI Dashboard	. 29
Activity Look Ahead Dashboard	. 49
Shutdown / Turnaround / Outage Dashboard	. 56
Labor Units History Dashboard	. 64
CPI, SPI, and Labor Units Dashboard	. 66
Project Risk - Cost Overview Dashboard	. 67
Project Health Assessment Dashboard	.71

#### **Cost Overview Dashboard**

**Description**: The Cost Overview dashboard enables Executives to derive insights about which countries have the highest At Completion Total Cost, and track cost variance over time.

Number of Canvases: 1

Default Canvas: Canvas 1

Canvas/Dashboard Name: Cost Overview

Data Source(s): P6 EPPM

Subject Area: P6 - Activity

Datasets: Not applicable

# Canvas



# Figure 1: Cost Overview Default Canvas

#### **Table 1: Cost Overview - Dimensions**

Canvas	Dimension / Attribute	Subject Area / Dataset
Canvas 1	Country Name	P6 - Activity
Canvas 1	EPS ID Level 1	P6 - Activity
Canvas 1	Month Name	P6 - Activity
Canvas 1	Calendar Year	P6 - Activity

#### Table 2: Cost Overview - Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Canvas 1	At Completion Total Cost	Fact	P6 - Activity
Canvas 1	Planned Total Cost	Fact	P6 - Activity
Canvas 1	Actual Cost	Calculated from Fact	P6 - Activity
Canvas 1	Planned Cost	Calculated from Fact	P6 - Activity

Canvas	Filter Type	ls Expression Filter	Dimension / Attribute	Subject Area / Dataset
Canvas 1	Dashboard	No	Calendar Year	P6 - Activity

#### Table 3: Cost Overview - Filters

# Table 4: Cost Overview - Calculated Members

Calculated Member	Expression	Source	Subject Area / Dataset
Actual Cost	CASE WHEN Month Name < '2015-11' THEN RSUM(Actual Total Cost) ELSE NULL END	Derived From Fact	P6 - Activity
Planned Cost	RSUM(Planned Total Cost)	Derived From Fact	P6 - Activity

# Earned Value and Risk Analysis Dashboard

**Description**: The Earned Value and Risks dashboard tracks costs and risks. Executives or PMs will be able to use this for getting information about EV, EAC for individual project managers across the portfolio or see how their organization performed on these parameters on a yearly or quarterly basis. Risk exposures are displayed by location and/or each project. This can help in devising better risk mitigating strategies.

#### Number of Canvases: 2

Default Canvas: Earned Value

Canvas/Dashboard Name: Earned Value and Risk Analytics

Data Source(s): P6 - EPPM

Subject Area: P6 - Activity

Datasets: Not applicable

#### Canvases



# Figure 2: Earned Value



# Figure 3: Risk Analytics

		-	
Canvas	Dimension Name	Dimension / Attribute	Subject Area / Dataset
Earned Value	Calendar	Year Name	P6 - Activity
Earned Value	Calendar	Quarter Name	P6 - Activity
Earned Value	Portfolio	Portfolio Name	P6 - Activity
Earned Value	Project	Project Name	P6 - Activity
Earned Value	Project	Project Owner	P6 - Activity
Earned Value	Project	Country Name	P6 - Activity
Earned Value	Project	Datasource ID	P6 - Activity
Earned Value	Calendar	Month Name	P6 - Activity
Earned Value	Calendar	Calendar Date	P6 - Activity
Risk Analysis	Project	Country Name	P6 - Activity
Risk Analysis	Project	Project ID	P6 - Activity
Risk Analysis	Project	Project Name	P6 - Activity
Risk Analysis	Project	Project Risk Score	P6 - Activity
Risk Analysis	Project	Project Risk Exposure	P6 - Activity
Risk Analysis	Project	Start	P6 - Activity
Risk Analysis	Project	Finish	P6 - Activity

# Table 6: Earned Value and Risk Analysis - Measures

Canvas	Measure	Measure Type	Subject Area / Dataset
Earned Value	Actual Total Cost	Fact	P6 - Activity
Earned Value	Earned Value (Cost)	Fact	P6 - Activity
Earned Value	Planned Value (Cost)	Fact	P6 - Activity
Earned Value	Estimate At Completion (Cost)	Fact	P6 - Activity
Earned Value	AC (Cum.)	Calculated from Fact	P6 - Activity
Earned Value	PV (Cum.)	Calculated from Fact	P6 - Activity
Earned Value	EAC (Cum.)	Calculated from Fact	P6 - Activity
Earned Value	EV (Cum.)	Calculated from Fact	P6 - Activity
Earned Value	Estimate to Complete	Fact	P6 - Activity
Risk Analysis	Risk Exposure	Calculated from Fact	P6 - Activity

Canvas	Measure	Measure Type	Subject Area / Dataset
Risk Analysis	Total Risks	Calculated from Fact	P6 - Activity
Risk Analysis	Risk Score	Calculated from Fact	P6 - Activity

# Table 7: Earned Value and Risk Analysis - Filters

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Earned Value	Dashboard	No	Year Name	P6 - Activity
Earned Value	Dashboard	No	Quarter Name	P6 - Activity
Earned Value	Dashboard	No	Portfolio Name	P6 - Activity
Earned Value	Dashboard	No	Project Name	P6 - Activity
Earned Value	Dashboard	No	Project Owner	P6 - Activity
Earned Value	Dashboard	No	Country Name	P6 - Activity
Earned Value	Dashboard	No	Datasource ID	P6 - Activity
Earned Value	Visualization	No	Calendar Date	P6 - Activity
Risk Analysis	Visualization	No	Risk Exposure	P6 - Activity
Risk Analysis	Visualization	No	Total Risks	P6 - Activity

# Table 8: Earned Value and Risk Analysis - Calculated Members

Calculated Member	Expression	Source	Subject Area / Dataset
Risk Exposure	SUM(Project Risk Exposure)	Derived From Fact	P6 - Activity
Risk Score	SUM(Project Risk Score)	Derived From Fact	P6 - Activity
AC (Cum.)	RSUM(Actual Total Cost)	Derived From Fact	P6 - Activity
EV (Cum.)	RSUM(Earned Value (Cost))	Derived From Fact	P6 - Activity
PV (Cum.)	RSUM(Planned Value (Cost))	Derived From Fact	P6 - Activity

Calculated Member	Expression	Source	Subject Area / Dataset
EAC (Cum.)	RSUM(Estimate At Completion (Cost))	Derived From Fact	P6 - Activity
Total Risks	COUNT(DISTINCT RiskID by Project ID)	Derived From Fact	P6 - Activity

# Overview - Portfolio, Risk, EV

**Description**: With a single view, Portfolio Managers and Executives can view their portfolio's cost performance and clearly identify poor performing portfolios and troubled projects. This visibility allows for collaboration and communication with Project managers to pre-emptively identify and resolve possible issues.

#### Number of Canvases: 4

Default Canvas: Overview

Canvas/Dashboard Name: Overview-Portfolio, Risk, EV

Data Source(s): P6 - EPPM

Subject Areas: P6 – Activity, P6 – Project History, P6 – Resource Utilization, P6 – Burn Down

Datasets: Not applicable

#### Canvases



# Figure 4: Overview Portfolio, Risk, EV Default Canvas



Figure 5: Portfolio Analysis



# Figure 6: Executive Portfolio Performance



Figure 7: Trending Analysis

Canvas	Dimension Name	Dimension / Attribute	Subject Area / Dataset
Overview	Calendar	Year Name	P6 - Activity
Overview	Calendar	Quarter Name	P6 - Activity
Overview	Portfolio	Portfolio Name	P6 - Activity
Overview	Project	Project Name	P6 - Activity
Overview	Project	Project Owner	P6 - Activity
Overview	Project	Country Name	P6 - Activity
Overview	Project	Datasource ID	P6 - Activity
Overview	Project	Country Name	P6 - Activity
Overview	Calendar	Month Name	P6 - Activity
Portfolio Analysis	Project	Portfolio Name	P6 - Activity
Portfolio Analysis	Project	Current Phase Value	P6 - Activity
Executive Portfolio Performance	Portfolio	Portfolio Name	P6 – Project History
Executive Portfolio Performance	Project	Project Status	P6 - Activity
Executive Portfolio Performance	Project	Project Name	P6 - Activity
Executive Portfolio Performance	Project	Project Name	P6 – Project History
Trending Analysis	Calendar	Month Name	P6 - Project History
Trending Analysis	Project	Portfolio Name	P6 - Project History
Trending Analysis	Resource	Department Description	P6 – Resource Utilization
Trending Analysis	Resource Assignment	Resource Name	P6 – Burn Down
Trending Analysis	Calendar	Day Name	P6 – Burn Down
Trending Analysis	Resource	Resource Type	P6 – Burn Down
Trending Analysis	Activity	Activity Name	P6 - Activity
Trending Analysis	Activity	Critical	P6 - Activity

Table 9: Overview – Portfolio, Risk, EV - Dimensions

Canvas	Fact / Measure	Measure Type	Subject Area /
		incucai e Type	Dataset
Overview	Cost Variance	Fact	P6 - Activity
Overview	Performance % Complete	Fact	P6 - Activity
Overview	Pct of Projects Over Budget	Calculated from Fact	P6 - Activity
Overview	Pct of Projects Behind Schedule	Calculated from Fact	P6 - Activity
Overview	Schedule Pct Complete	Calculated from Fact	P6 - Activity
Overview	Cost Pct Complete	Calculated from Fact	P6 - Activity
Overview	Units Pct Complete	Calculated from Fact	P6 - Activity
Overview	Delay %	Calculated from Fact	P6 - Activity
Overview	Remaining	Calculated from Fact	P6 - Activity
Overview	Completed	Calculated from Fact	P6 - Activity
Overview	Cost Overrun %	Calculated from Fact	P6 – Activity
Overview, Portfolio Analysis, Executive Portfolio Performance, Trending Analysis	Remaining Total Cost	Fact	P6 – Activity
Overview, Executive Portfolio Performance	Actual Total Cost	Fact	P6 – Activity
Overview, Portfolio Analysis	At Completion Total Cost	Fact	P6 – Activity
Overview, Portfolio Analysis	# Of Projects	Fact	P6 - Activity
Portfolio Analysis	# Of Activities	Fact	P6 - Activity
Executive Portfolio Performance	Schedule Performance Index	Fact	P6 - Activity
Executive Portfolio	Cost Performance	Fact	P6 - Activity

# Table 10: Overview – Portfolio, Risk, EV - Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Performance	Index		
Executive Portfolio Performance, Trending Analysis	Planned Total Cost	Fact	P6 - Activity
Trending Analysis	Available Units	Fact	P6 – Resource Utilization
Trending Analysis	Actual Units		
Trending Analysis	Limit		
Trending Analysis	Remaining Cost Burn	Fact	P6 – Burn Down

# Table 11: Overview – Portfolio, Risk, EV - Filters

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Overview, Portfolio Analysis	Dashboar d	No	Year Name	P6 - Activity
Overview, Portfolio Analysis	Dashboar d	No	Quarter Name	P6 - Activity
Overview, Portfolio Analysis	Dashboar d	No	Portfolio Name	P6 - Activity
Overview, Portfolio Analysis	Dashboar d	No	Project Name	P6 - Activity
Overview, Portfolio Analysis	Dashboar d	No	Project Owner	P6 - Activity
Overview, Portfolio Analysis	Dashboar d	No	Country Name	P6 - Activity
Overview, Portfolio Analysis	Dashboar d	No	Datasource ID	P6 - Activity
Executive Portfolio Performance, Trending Analysis	Dashboar d	No	Portfolio Name	P6 – Project History
Overview	Visualizati on	No	Performance % Complete	P6 - Activity
Overview	Visualizati	No	Delay %	P6 - Activity

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
	on			
Overview	Visualizati on	No	Cost Overrun %	P6 - Activity
Overview	Visualizati on	No	Country Name	P6 - Activity
Overview	Visualizati on	No	At Completion Total Cost	P6 - Activity
Executive Portfolio Performance	Visualizati on	No	Project Status	P6 - Activity
Executive Portfolio Performance	Visualizati on	No	Portfolio Name	P6 - Project History
Trending Analysis	Visualizati on	No	Department Description	P6 – Resource Utilization
Trending Analysis	Visualizati on	No	Resource Name	P6 - Burndown
Trending Analysis	Visualizati on	No	Resource Type	P6 - Burndown
Trending Analysis	Visualizati on	No	Portfolio Name	P6 - Project History
Trending Analysis	Visualizati on	No	Critical	P6 - Activity
Trending Analysis	Visualizati on	Yes	"Primavera - Activity"."Costs"."Plann ed Total Cost">0	P6 - Activity

# Table 12: Overview – Portfolio, Risk, EV - Calculated Members

Calculated Member	Expression	Source	Subject Area / Dataset
Units Pct Complete	"Primavera - Activity"."Percent Complete"."Units % Complete" / 100.0	Derived From Fact	P6 - Activity
Cost Pct	"Primavera - Activity"."Percent	Derived	P6 – Activity

Calculated Member	Expression	Source	Subject Area / Dataset
Complete	Complete"."Cost % Complete" / 100.0	From Fact	
Schedule Pct Complete	"Primavera - Activity"."Percent Complete"."Schedule % Complete" / 100.0	Derived From Fact	P6 – Activity
Pct of Projects Behind Schedule	SUM(CASE WHEN ATTRIBUTE("Primavera - Activity"."Earned Value - (Units)"."Schedule Performance Index (Units)" by "Primavera - Activity"."General - (Project)"."Project ID") < 0.95 THEN 1 ELSE 0 END by "Primavera - Activity"."General - (Project)"."Datasource Id") / "Primavera - Activity"."Metrics"."# of Projects"	Derived From Fact	P6 – Activity
Pct of Projects Over Budget	<pre>FILTER("Primavera - Activity"."Metrics"."# of Projects" USING "Primavera - Activity"."Budget - (Project)"."Current Variance" &gt; 0.0) / "Primavera - Activity"."Metrics"."# of Projects"</pre>	Derived From Fact	P6 – Activity
Delay %	"Primavera - Activity"."Earned Value - (Units)"."Schedule Variance Index (Units)" * -1	Derived From Fact	P6 – Activity

Calculated Member	Expression	Source	Subject Area / Dataset
Remaining	"Primavera - Activity"."Units"."Rem aining Labor Units"	Derived From Fact	P6 – Activity
Completed	"Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)"	Derived From Fact	P6 - Activity
Cost Overrun %	("Primavera - Activity"."Costs"."At Completion Total Cost" - "Primavera - Activity"."Costs"."Bas eline Project Total Cost") / "Primavera - Activity"."Costs"."Bas eline Project Total Cost"	Derived From Fact	P6 - Activity

# Key Milestones Tracking Dashboard

**Description**: This project gives an Executive / PMO insights to track key milestones for projects/portfolios and identify variance over time. It can be used to track milestone activities based on the variance status that is ahead, on, or behind schedule. These activities can also be traced based on their activity status.

#### Number of Canvases: 2

Default Canvas: Key Milestones

Canvas/Dashboard Name: Key Milestones Tracking

Data Source(s): P6 EPPM

Subject Areas: P6 – Activity

Datasets: Not applicable

#### Canvases



# Figure 8: Key Milestones

ortfolio Name	Project Name	Variance Status											
	AI	Al											
Project Id	Unique Project WBS ID	Project Name	Activity ID	Activity Name	Activity Status	Key Miestones Value	Key Miestones Description	Month Name	Baseline Project	Start	Variance - Baseline Project Start Date	Variance in working days	Variance Statu
RP00591	22473	Order Management Redesign	CP9001	Funding Awarded	Completed	Key MS	Key Miestores	2014-10	07/07/2010 4:00:00 PM	10/23/2014 4:00:00 PM	-8800	-1100	Behind
500925	25721	Melrose - Plant Expansion & Modernization	MN1040	Begin Building Construction	Completed	Key MS	Key Miesteres	2014-07	07.26.2010 8:00:00 AM	07/24/2014 8:00:00 AM	-0176	-1022	Behind
RP00591	22475	Order Management Redesign	CP9002	Gale 1 - Change Review	Completed	Key MS	Key Minsteres	2014-11	08/09/2010 12:00:00 PM	11/26/2014 4:00:00 PM	-6812	-1101.5	Behind
RP00768	22621	Logistics Reorgineering Program	CP9001	Funding Awarded	Completed	Key MS	Key Miestores	2014-12	08/20/2010 10:54:00 AM	12/08/2014 10:54:00 AM	-8800	-1100	Behind
RP00768	22621	Logistics Reorgineering Program	CP9002	Gate 1 - Change Review	Completed	Key MS	Key Miestores	2014-12	09-09-2010 11:38:00 AM	12/25/2014 11:38:00 AM	-8600	-1100	Behind
G00825	25721	Melrose - Plant Expansion & Modernization	MN1360	Installation Begins	Completed	Key MS	Key Miestores	2014-09	0610.2010 5:00:00 AM	06/09/2014 8:00:00 AM	-8176	-1022	Behind
07/201768	22621	Logistics Reengineering Program	CP9003	Gate 2 - Design Review	Completed	Key MS	Key Missiones	2015-01	10-06/2010 9:08:00 AM	01/21/2015 9:08:00 AM	-8800	-1100	Behind
3RP00424	22481	Lead Qualification Project	CP9001	Funding Awarded	Completed	Key MS	Key Miestones	2015-01	10/07/2010 4:00:00 PM	01/26/2015 4:00:00 PM	-0816	-1102	Behind
DRP00768	22521	Logistics Reengineering Program	CP9004	Gate 3 - Implementation Review	Completed	Key MS	Key Miestores	2015-02	10/14/2010 12:28:00 PM	02/02/2015 4:00:00 PM	-8818-5333333334	-1102.44100066667	Behind
FG00825	25721	Melrose - Plant Expansion & Modernization	MN1500	Foundation Phase Complete	Completed	Key MS	Key Missiores	2014-10	10/18/2010 5:00:00 PM	10/15/2014 5:00:00 PM	-0176	-1022	Behind
ORP00768	22621	Lugistics Reengineering Program	CP9005	Project Complete	Completed	Key MS	Key Miestones	2015-02	10/26/2010 11:48:00 AM	02/06/2015 4:00:00 PM	-6772.2	-1098.525	Behind
ORPOSE1	22475	Order Management Redesign	CP9003	Gate 2 - Design Review	Completed	Key MS	Key Milestores	2015-02	11/02/2010 12:00:00 PM	02/17/2015 12:00:00 PM	-8800	-1100	Behind
0000914	25490	Project Namo	P09001	Gate 1 - Idea Screen	Completed	Key MS	Key Miestores	2015-04	11/05/2010 11:33:00 AM	04/07/2015 4:00:00 PM	-9080.45	-1132.55625	Behind
ORP05424	22481	Lend Qualification Project	CP9002	Gate 1 - Change Review	Completed	Key MS	Key Miestores	2015-02	11/09/2010 12:00:00 PM	02/24/2015 12:00:00 PM	-8800	-1100	Behind
FG00925	25721	Meltose - Plant Expansion & Modernization	MN1540	Begin Structural Phase	Completed	Key MS	Key Milestones	2014-11	11/16/2010 8:00:00 AM	11/13/2014 8:00:00 AM	-6176	-1022	Behind
07790581	22475	Order Management Redesign	CP9004	Gale 3 - Implementation Review	Completed	Key MS	Key Miestores	2015-03	12/15/2010 12:00:00 PM	03/31/2015 4:00:00 PM	6504	-1100.5	Behind
ORP00591	22473	Onler Management Radesign	CP9005	Project Complete	Completed	Key MS	Key Milestories	2015-04	01/13/2011 12:00:00 PM	04/27/2015 4:00:00 PM	-8804	-1100.5	Behind
08900424	22481	Lead Qualification Project	CP9003	Gate 2 - Design Review	Completed	Key MS	Key Milestores	2015-05	02-03-2011 12:00:00 PM	05/18/2015 12:00:00 PM	-8800	-1100	Behind
00783	24672	ERP Legacy Merge	179001	Project Start Milestone	Completed	Key MS	Key Milestones	2015-03	03/14/0011 4:00:00 PM	03/14/2015 4:00:00 PM	-8216	-1027	Behind
DRP06424	22481	Lead Qualification Project	CP9004	Gale 3 - Implementation Review	Completed	Key MS	Key Milestones	2015-07	03/18/2011 12:00:00 PM	07/01/2015 4:00:00 PM	-8812	-1101.5	Behind
077930424	22481	Lead Qualification Project	CP9005	Project Complete	Completed	Key MS	Key Milestores	2015-07	04/18/2011 12:00:00 PM	07/27/2015 4:00:00 PM	-8788	-1098.5	Behind
C00610	27324	Harbour Pointe Assisted Living Center	EC1010	Building Pad Delivered by Owner	Completed	Key MS	Key Milestores	2014-09	09-01/2014 8:00:00 AM	09/01/2014 8:00:00 AM	0	0	On Schedule
C00610	27324	Harbour Pointe Assisted Living Center	EC1020	Start Garage	Completed	Key MS	Key Milestones	2014-09	09-01/2014 8:00:00 AM	09/01/2014 8:00:00 AM	0	0	On Schedule
FG00337	25678	Arcadia - Automated System	MN1100	Installation Begins	Completed	Key MS	Key Milestones	2014-08	11/12/2014 8:00:00 AM	05/12/2014 8:00:00 AM	528	66	Ahead
FG00925	25721	Melrose - Plant Expansion & Modernization	MN1650	Rough-In Phase Begins	Completed	Key MS	Key Milestones	2015-01	01/07/2015 8:00:00 AM	01/07/2015 8:00:00 AM	0	0	On Schedule
FG00859	23364	Deerfield - Automated System	MN1100	Installation Begins	Completed	Key MS	Key Miestones	2015-01	01/07/2015 1:00:00 PM	01/07/2015 1:00:00 PM	0	0	On Schedule
FG00925	25721	Melrose - Plant Expansion & Modernization	MN1680	Structure Complete	Completed	Key MS	Key Milestones	2015-01	01/09/2015 5:00:00 PM	01/D9/2015 5:00:00 PM	0	0	On Schedule
00731	34592	Employee Onboarding Portal	179001	Project Start Milestone	Completed	Key MS	Key Milestores	2015-01	01/20/2015 4:00:00 PM	01/20/2015 4:00:00 PM	0	0	On Schedule
F900772	24042	Costova - Plant Expansion &	MN1040	Begin Building	Completed	Key MS	Key Milestones	2015-01	01/26/2015 8:00:00	01/28/2015 1:00:00	4	-0.5	Behind

# Figure 9: Milestone Details

Table 15. Key Wi	liestones macking	Dimensions	
Canvas	Dimension Name	Dimension / Attribute	Subject Area / Dataset
Key Milestones	Calendar	Month Name	P6 - Activity
Key Milestones	Activity	Activity Status	P6 - Activity
Key Milestones	Project	Project Id	P6 - Activity
Key Milestones	Project	Unique Project WBS ID	P6 - Activity
Key Milestones	Project	Project Name	P6 - Activity
Key Milestones	Activity	Activity ID	P6 - Activity
Key Milestones	Activity	Activity Name	P6 - Activity
Key Milestones	Activity	Key Milestones Value	P6 - Activity

# Table 13: Key Milestones Tracking- Dimensions

Canvas	Dimension Name	Dimension / Attribute	Subject Area / Dataset
Key Milestones	Activity	Key Milestones Description	P6 - Activity
Key Milestones	Activity	Baseline Project Start	P6 - Activity
Key Milestones	Activity	Start	P6 - Activity
Key Milestones	Activity	Variance Baseline Project Start Date	P6 - Activity

# Table 14: Key Milestones Tracking- Custom Dimensions

Dimension	Expression	Source	Subject Area / Dataset
Variance in working days	"Primavera - Activity"."Durations - (Activity)"."Variance - Baseline Project Start Date"/8	Derived from Dimension	P6 - Activity
Variance Status	CASE WHEN ("Primavera - Activity"."Durations - (Activity)"."Variance - Baseline Project Start Date")/8 > 0 THEN 'Ahead' WHEN ("Primavera - Activity"."Durations - (Activity)"."Variance - Baseline Project Start Date")/8 < 0 THEN 'Behind' WHEN ("Primavera - Activity"."Durations - (Activity)"."Variance - Baseline Project Start Date")/8 = 0 THEN 'On Schedule' ELSE '' END	Derived from Dimension	P6 - Activity

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Key Milestones	# of Activities	Fact	P6 - Activity

# Table 15: Key Milestones Tracking - Measures

# Table 16: Key Milestones Tracking - Calculated Members

Calculated Member	Expression	Source	Subject Area / Dataset
% of activities behind schedule	<pre>(FILTER("Primavera - Activity"."Metrics"." # of Activities" USING ("Primavera - Activity"."Durations - (Activity)"."Variance - Baseline Project Start Date")/8 &lt; 0))/"Primavera - Activity"."Metrics"." # of Activities"</pre>	Derived From Fact	P6 - Activity
% of activities on schedule	<pre>(FILTER("Primavera - Activity"."Metrics"." # of Activities" USING ("Primavera - Activity"."Durations - (Activity)"."Variance - Baseline Project Start Date")/8 = 0))/"Primavera - Activity"."Metrics"." # of Activities"</pre>	Derived From Fact	P6 - Activity

Calculated Member	Expression	Source	Subject Area / Dataset
% of activities ahead of schedule	<pre>(FILTER("Primavera - Activity"."Metrics"." # of Activities" USING ("Primavera - Activity"."Durations - (Activity)"."Variance - Baseline Project Start Date")/8 &gt; 0))/"Primavera - Activity"."Metrics"." # of Activities"</pre>	Derived From Fact	P6 - Activity

# Table 17: Key Milestones Tracking - Filters

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Key Milestones	Visualization	No	Activity Type	P6 - Activity
Key Milestones	Dashboard	No	Variance Status	P6 - Activity
Key Milestones	Dashboard	No	Project Name	P6 - Activity
Key Milestones	Dashboard	No	Portfolio Name	P6 - Activity

# Table 18: Key Milestones Tracking - Data Actions

Data Action Name	Action Type	Anchor To	Target	Canvas Link	Pass Values	Multiselection
Navigate to Milestone details	Analytics Link	None	Key Milestones Tracking	Milestone Details	All	On
P6 Link to Activities	URL Navigation	Project Name	Opens P6 Links - Link to Activities	Milestone Details	All	On

# Integrated Schedule Delivery KPI Dashboard

Number of Canvases: 7

Default Canvas: IB\_ActivityHistoryData

Canvas/Dashboard Name: Integrated Schedule Delivery KPI

Data Source(s): P6 - EPPM

Subject Area: P6 – Activity History

Datasets: Not applicable

#### Dashboard

#### Canvases



Figure 10: IB\_ActivityHistoryData

#### Data Visualization Reference Guide

WES Activity ID	Activity Name Pi	rimary Resource Planned Start	Planned Finish
24628 A1000 Install	Underground Water Lines Plumber	08/03/2015	08/17/2015 *
24628 EC1000 Desig	Building Addition Paul Kim	08/03/2015	10/07/2015
24628 EC1010 Start 0	Office Building Addition Project	08/03/2015	08/03/2015
24628 EC1030 Review	and Approve Designs Paul Kim	10/01/2015	11/03/2015
24628 EC1030 Review	and Approve Designs Paul Kim	10/02/2015	11/03/2015
24628 EC1030 Review	and Approve Designs Paul Kim	10/05/2015	11/04/2015
24628 EC1030 Review	and Approve Designs Paul Kim	10/06/2015	11/05/2015
24628 EC1040 Assem	ble Brick Samples	11/03/2015	11/03/2015
24628 EC1040 Assen	ble Brick Samples	11/04/2015	11/04/2015
24628 EC1040 Assen	ble Brick Samples	11/05/2015	11/05/2015
24628 EC1050 Assem	ble Technical Data for Heat Pump Paul Kim	11/03/2015	11/12/2015
24628 EC1050 Assen	ble Technical Data for Heat Pump Paul Kim	11/03/2015	11/13/2015
24628 EC1050 Assen	ble Technical Data for Heat Pump Paul Kim	11/04/2015	11/13/2015
24628 EC1050 Aasen	ble Technical Data for Heat Pump Paul Kim	11/05/2015	11/16/2015
24628 EC1050 Assen	ble Technical Data for Heat Pump Paul Kim	11/05/2015	11/17/2015
24628 EC1060 Assem	ble and Submit Flooring Samples	11/03/2015	11/03/2015
24628 EC1060 Assen	ble and Submit Flooring Samples	11/04/2015	11/04/2015
24628 EC1060 Assen	ble and Submit Flooring Samples	11/05/2015	11/05/2015
24628 EC1070 Review	and Approve Brick Samples Paul Kim	11/03/2015	12/02/2015
24628 EC1070 Review	and Approve Brick Samples Paul Kim	11/04/2015	12/02/2015
24628 EC1070 Review	and Approve Brick Samples Paul Kim	11/04/2015	12/03/2015
24628 EC1070 Review	r and Approve Brick Samples Paul Kim	11/05/2015	12/04/2015
24628 EC1080 Review	and Approve Flooring Paul Kim	11/03/2015	12/01/2015
24628 EC1080 Review	and Approve Flooring Paul Kim	11/04/2015	12/01/2015
24628 EC1080 Review	and Approve Flooring Paul Kim	11/04/2015	12/02/2015
24628 EC1080 Review	and Approve Flooring Paul Kim	11/05/2015	12/08/2015
24628 EC1090 Begin	Building Construction	11/03/2015	11/03/2015
24628 EC1090 Begin	Building Construction	11/04/2015	11/04/2015
24628 EC1090 Begin	Building Construction	11/05/2015	11/05/2015
24628 EC1100 Site Pr	eparation Excavator	11/03/2015	12/22/2015
24628 EC1100 Site P	eparation Excavator	11/04/2015	12/22/2015
24628 EC1100 Site Pr	eparation Excavator	11/04/2015	12/23/2015
24628 EC1100 Site P	eparation Excavator	11/05/2015	12/24/2015
24628 EC1160 Review	Technical Data on Heat Pumos Paul Kim	11/12/2015	12/10/2015
24628 EC1160 Review	Technical Data on Heat Pumps Paul Kim	11/13/2015	12/11/2015
34638 601160 8+14	Tachairal Data on Mart Burners Bud Kim	11/16/2018	12.31.3017

# Figure 11: Activity Details

Click here or drag data to add a filter										0
	WBS	Activity ID	Activity Name	Primary Resource	Planned Start	Planned Finish				
	24628	EC1010	Start Office Building Addition Project		08/03/2015	08/03/2015				
	25576	MN1000	Define System Requirements		08/03/2015	08/07/2015				
	25576	MN1020	Design Building Addition	Design Engineer	08/03/2015	08/28/2015				
	25576	MN1030	Review and Approve Designs	Design Engineer	08/31/2015	09/04/2015				
	25576	MN1040	Begin Building Construction		09/07/2015	09/07/2015				
	25576	MN1070	Assemble Technical Data for Heat Pump	Design Engineer	09/07/2015	09/11/2015				
	25576	MN1080	Assemble Brick Samples		09/07/2015	09/11/2015				
L										
IB_ActivityHistoryData Activities Details Activities Executed As Per Baseline Plan Details Activities Brought Forward	d Defails Defa	yed Activities I	Details New Activities Details Cancelled	Activities Details			7 Rows, 6 Cr	slumns	新生	

# Figure 12: Activities Executed As Per Baseline Plan Details

	WBS A	ctivity ID	Activity Name	Primary Resource	Planned Start	Planned Finish	
7	24628 8	1000	Design Building Addition	Paul Kim	08/03/2015	10/07/2015 -	
7	24628 0	1030	Review and Approve Designs	Paul Kim	10/06/2015	11/05/2015	
2	24628 E	1040	Assemble Brick Samples		11/05/2015	11/05/2015	
2	24628 8	1050	Assemble Technical Data for Heat Pump	Paul Kim	11/05/2015	11/17/2015	
7	24628 8	1060	Assemble and Submit Flooring Samples		11/05/2015	11/05/2015	
2	24628 8	1070	Review and Approve Brick Samples	Paul Kim	11/05/2015	12/04/2015	
7	24628 E	1080	Review and Approve Flooring	Paul Kim	11/05/2015	12/03/2015	
7	24628 8	090	Begin Building Construction		11/05/2015	11/05/2015	
2	24628 8	1100	Site Preparation	Excavator	11/05/2015	12/24/2015	
2	24628 8	1160	Review Technical Data on Heat Pumps	Paul Kim	11/17/2015	12/15/2015	
7	24628 8	1170	Prepare and Solicit Bids for Flooring	Project Controls	12/03/2015	12/81/2015	
7	24628 8	01180	Prepare and Solicit Bids for Brick Exterior	Project Controls	12/04/2015	12/23/2015	
7	24628 8	01190	Prepare and Solicit Bids for Heat Pump	Project Controls	12/15/2015	12/31/2015	
7	24628 0	1220	Review Bids for Brick	Project Controls	12/23/2015	01/08/2016	
7	24628 0	1230	Excevation	Excavator	12/24/2015	01/25/2016	
2	24628 8	1240	Review Bids for Heat Pump	Project Controls	12/81/2015	01/13/2016	
7	24628 0	1250	Review Bids for Flooring	Project Controls	12/31/2015	01/19/2016	
2	24628 8	1260	Award Contract for Brick	Project Controls	01/08/2016	01/15/2016	
7	24628 0	1270	Award Contract for Heat Pump		01/13/2016	01/21/2016	
7	24628 8	1280	Deliver Brick		01/15/2016	01/18/2016	
7	24628 6	00613	Award Contract for Flooring	Project Controls	01/19/2016	01/27/2016	
2	24628 E	1310	Fabricate and Deliver Flooring	Project Controls	01/27/2016	05/18/2016	
7	24628 8	01920	Install Underground Water Lines	Plumber	01/26/2016	02/11/2016	
1	24628 B	06613	Install Underground Electric Conduit	Bectrician	01/26/2016	02/08/2016	
2	24628 8	1340	Form/Pour Concrete Footings	Ironworker	02/11/2016	04/07/2016	
7	24628 B	01350	Concrete Foundation Walls	Ironworker	04/07/2016	05/10/2016	
7	24628 E	1360	Form and Pour Slab	Finish Carpenter	05/10/2016	05/24/2016	
7	24628 8	1370	Backfill and Compact Walls	Excavator	05/25/2016	06/01/2016	
7	24628 8	01380	Foundation Phase Complete		06/01/2016	06/01/2016	
7	24628 6	1190	Erect Structural Frame	Ironworker	06/02/2016	08/03/2016	
1	24628 8	1410	Begin Structural Phase		08/04/2016	08/04/2016	
7	24628 8	1420	Floor Decking	Ironworker	08/04/2016	09/14/2016	
7	24628 E	1430	Concrete First Floor	Ironworker	09/15/2016	10/26/2016	
7	24628 8	1440	Set Mechanical and Electrical Equipment	Operator	09/26/2016	11/08/2016	
2	24628 8	1460	Erect Stainwell and Elevator Walls	Laborer-Construction	10/27/2016	11/28/2016	
1	24628 8	1470	Concrete Basement Slab	Ironworker	10/27/2016	11/24/2016	

Figure 13: Activities Brought Forward Details

Click here or drag data to add a filter								0
	WES	Activity ID	Activity Name	Primary Resource	Planned Start	Planned Finish		_
	24628	EC1290	Fabricate and Deliver Heat Pump and Controls	Project Controls	01/21/2016	04/25/2016		
	25576	MN1030	Review and Approve Designs	Design Engineer	08/31/2015	09/04/2015		
	25576	MN1040	Begin Building Construction		09/07/2015	09/07/2015		
	25576	MN1070	Assemble Technical Data for Heat Pump	Design Engineer	09/07/2015	09/14/2015		
	25576	MN1090	Review Technical Data on Heat Pumps	Design Engineer	09/14/2015	09/30/2015		
	25576	MN1130	Prepare Drawings for System Controller	Automation Systems Engineer	09/18/2015	09/24/2015		
	25576	MN1140	Prepare and Solicit Bids for Heat Pump		10/01/2015	10/05/2015		
	25576	MN1160	Review Bids for Heat Pump		10/06/2015	10/07/2015		
	25576	MN1190	Review and Approve System Controller	Automation Systems Engineer	09/24/2015	10/08/2015		
	25576	MN1210	Award Contract for Heat Pump		10/08/2015	10/08/2015		
	25576	MN1230	Fabricate and Deliver Heat Pump and Controls	Fabrication	10/09/2015	01/28/2016		
	25576	MN1320	Prepare and Solicit Bids for System Controller	Automation Systems Engineer	10/08/2015	10/15/2015		
	25576	MN1400	Review Bids for System Controller		10/15/2015	10/21/2015		
	25576	MN1420	Award Contract for System Controller		10/21/2015	10/22/2015		
	25576	MN1440	Fabricate and Deliver System Controller	Fabrication	10/22/2015	01/14/2016		
	26076	IT1040	Define System Requirement	Brianna Allen	08/13/2015	09/02/2015		

Figure 14: Delayed Activities Details

Canvas	Dimension Name	Dimension / Attribute	Subject Area / Dataset
IB_ActivityHistory Data	Project	Project Id	P6 – Activity History
IB_ActivityHistory Data	Project	Project Name	P6 – Activity History
ALL Canvas	Project	WBS	P6 – Activity History
Details Canvases	Activity	Activity ID	P6 – Activity History
Details Canvases	Activity	Activity Name	P6 – Activity History
Details Canvases	Activity	Primary Resource	P6 – Activity History
Details Canvases	Activity	Planned Start	P6 – Activity History
Details Canvases	Activity	Planned Finish	P6 – Activity History

# Table 19: Key Milestones Tracking- Dimensions

# Table 20: Integrated Schedule Delivery KPI – Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
IB_ActivityHistoryData	# of Activities	Calculated from Fact	P6 – Activity History

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
IB_ActivityHistoryData	Activities Executed as per Plan	Calculated from Fact	P6 – Activity History
IB_ActivityHistoryData	Activities brought forward	Calculated from Fact	P6 – Activity History
IB_ActivityHistoryData	Activities Delayed	Calculated from Fact	P6 – Activity History
IB_ActivityHistoryData	New Activities	Calculated from Fact	P6 – Activity History
IB_ActivityHistoryData	Activities Canceled	Calculated from Fact	P6 – Activity History
IB_ActivityHistoryData	Formula %	Calculated from Fact	P6 – Activity History

# Table 21: Integrated Schedule Delivery KPI – Filters

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
IB_ActivityHistory Data	Dashboard	No	Project Name	P6 - Activity History
Activities Details	Visual	Yes	"Primavera - Activity History"."Calen dar"."Week Name" IN ('@{pv_currentw eek}{2015-09-06 }')	P6 - Activity History

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Activities Executed As Per Baseline Plan Details	Visual	Yes	"Primavera - Activity History"."Calen dar"."Week Name" IN ('@{pv_currentw eek}{2015-09-06 }') AND CAST("Primavera - Activity History"."Dates - (Activity)"."Ac tual Finish" AS DATE) = CAST("Primavera - Activity History"."Dates - (Activity)"."Ba seline Project Finish" AS DATE)	P6 - Activity History

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Activities Brought Forward Details	Visual	Yes	<pre>MAX((CASE WHEN "Primavera - Activity History"."Calen dar"."Week Name" IN ('@{pv_previous week}{2015-08-3 0}') THEN "Primavera - Activity History"."Dates - (Activity)"."Fi nish" END) BY "Primavera - Activity History"."Gener al - (Activity)"."Ac tivity Id") &lt; MAX((CASE WHEN "Primavera - Activity History"."Calen dar"."Week Name" IN ('@{pv_currentw eek}{2015-09-06 }') THEN "Primavera - Activity History"."Dates - (Activity)"."Fi nish" END) BY "Primavera - Activity History"."Dates - (Activity)"."Fi nish" END) BY "Primavera - Activity History"."Gener al - (Activity)"."Fi nish" END) BY "Primavera - Activity History"."Gener al - (Activity)"."Fi nish" END) BY "Primavera - Activity History"."Gener al - (Activity)"."Fi nish" END) BY "Primavera - Activity History"."Gener al - (Activity)"."Ac tivity Id")</pre>	P6 - Activity History

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Activities Brought Forward Details	Visual	Yes	<pre>"Primavera - Activity History"."Calen dar"."Week Name" = ('@{pv_previous week}{2015-08-3 0}') OR "Primavera - Activity History"."Calen dar"."Week Name" = ('@{pv_currentw eek}{2015-09-06 }')</pre>	P6 - Activity History

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Activities Brought Forward Details	Visual	Yes	RANK (MAX (CASE WHEN "Primavera - Activity History"."Calen dar"."Week Name" = ('@{pv_previous week}{2015-08-3 0}') OR "Primavera - Activity History"."Calen dar"."Week Name" = ('@{pv_currentw eek}{2015-09-06 }') THEN "Primavera - Activity History"."Dates - (Activity)"."Fi nish" END) BY "Primavera - Activity History"."Gener al - (Activity)"."Activity Id") = 1	P6 - Activity History
Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
-------------------------------	-------------	-------------------------	---	---------------------------
Delayed Activities Details	Visual	Yes	<pre>MAX((CASE WHEN "Primavera - Activity History"."Calen dar"."Week Name" IN ('@{pv_previous week}{2015-08-3 0}') THEN "Primavera - Activity History"."Dates - (Activity)"."Fi nish" END) BY "Primavera - Activity History"."Gener al - (Activity)"."Ac tivity Id") &gt; MAX((CASE WHEN "Primavera - Activity History"."Calen dar"."Week Name" IN ('@{pv_currentw eek}{2015-09-06 }') THEN "Primavera - Activity History"."Dates - (Activity)"."Fi nish" END) BY "Primavera - Activity History"."Dates - (Activity)"."Fi nish" END) BY "Primavera - Activity History"."Gener al - (Activity)"."Fi nish" END) BY "Primavera - Activity History"."Gener al - (Activity)"."Fi nish" END) BY "Primavera - Activity History"."Gener al - (Activity)"."Fi nish" END) BY "Primavera - Activity History"."Gener al - (Activity)"."Ac tivity Id")</pre>	P6 - Activity History

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Delayed Activities Details	Visual	Yes	<pre>"Primavera - Activity History"."Calen dar"."Week Name" = ('@{pv_previous week}{2015-08-3 0}') OR "Primavera - Activity History"."Calen dar"."Week Name" IN ('@{pv_currentw eek}{2015-09-06 }')</pre>	P6 - Activity History

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Delayed Activities Details	Visual	Yes	<pre>RANK(MAX(CASE WHEN "Primavera - Activity History"."Calen dar"."Week Name" = ('@{pv_previous week}{2015-08-3 0}') OR "Primavera - Activity History"."Calen dar"."Week Name" = ('@{pv_currentw eek}{2015-09-06 }') THEN "Primavera - Activity History"."Dates - (Activity)"."Fi nish" END) BY "Primavera - Activity History"."Gener al - (Activity)"."Ac tivity Id") = 1</pre>	P6 - Activity History

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
New Activities Details	Visual	Yes	CASE WHEN "Primavera - Activity History"."Calen dar"."Week Name" = ('@{pv_currentw eek}{2015-09-06 }') THEN "Primavera - Activity History"."Gener al - (Activity)"."Ac tivity Id" END NOT IN ((CASE WHEN "Primavera - Activity History"."Calen dar"."Week Name" IN ('@{pv_previous week}{2015-08-3 0}') THEN "Primavera - Activity History"."Gener al - (Activity)"."Ac tivity Id" END))	P6 - Activity History

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
New Activities Details	Visual	Yes	<pre>"Primavera - Activity History"."Calen dar"."Week Name" = ('@{pv_previous week}{2015-08-3 0}') OR "Primavera - Activity History"."Calen dar"."Week Name" IN ('@{pv_currentw eek}{2015-09-06 }')</pre>	P6 - Activity History

## Data Visualization Reference Guide

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Cancelled Activities Details	Visual	Yes	CASE WHEN "Primavera - Activity History"."Calen dar"."Week Name" = ('@{pv_previous week}{2015-08-3 0}') THEN "Primavera - Activity History"."Gener al - (Activity)"."Ac tivity Id" END NOT IN (( CASE WHEN "Primavera - Activity History"."Calen dar"."Week Name" IN ('@{pv_currentw eek}{2015-09-06 }') THEN "Primavera - Activity History"."Gener al - (Activity)"."Ac tivity Id" END) )	P6 - Activity History

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Cancelled Activities Details	Visual	Yes	<pre>"Primavera - Activity History"."Calen dar"."Week Name" = ('@{pv_previous week}{2015-08-3 0}') OR "Primavera - Activity History"."Calen dar"."Week Name" IN ('@{pv_currentw eek}{2015-09-06 }')</pre>	P6 - Activity History

## Table 22: Integrated Schedule Delivery KPI – Calculated Members

Calculated Member	Expression	Source	Subject Area / Dataset
# of Activities	<pre>FILTER("Primavera - Activity History"."Metrics"."# of Activities" using "Primavera - Activity History"."Calendar"."Week Name" = '@{pv_currentweek}{2015-0 9-06}')</pre>	Derived From Fact	P6 - Activity History

Calculated Member	Expression	Source	Subject Area / Dataset
Activities Executed as per Plan	SUM(CASE WHEN "Primavera - Activity History"."Calendar"."Week Name" IN ('@{pv_currentweek}{2015- 09-06}') THEN (CASE WHEN CAST("Primavera - Activity History"."Dates - (Activity)"."Actual Finish" AS DATE) = CAST("Primavera - Activity History"."Dates - (Activity)"."Baseline Project Finish" AS DATE) THEN 1 ELSE 0 END) END)	Derived From Fact	P6 - Activity History
Activities brought forward	<pre>SUM( CASE WHEN MAX((CASE WHEN "Primavera - Activity History"."Calendar"."Week Name" IN ('@{pv_previousweek}{2015 -08-30}') THEN "Primavera - Activity History"."Dates - (Activity)"."Finish" END) BY "Primavera - Activity History"."General - (Activity)"."Activity Id") &lt; MAX((CASE WHEN "Primavera - Activity History"."Calendar"."Week Name" IN ('@{pv_currentweek}{2015- 09-06}') THEN "Primavera - Activity History"."Dates - (Activity)"."Finish" END) BY "Primavera - Activity History"."General - (Activity)"."Activity Id") THEN 1 ELSE 0 END )</pre>	Derived From Fact	P6 - Activity History

Calculated Member	Expression	Source	Subject Area / Dataset
Activities Delayed	<pre>SUM( CASE WHEN MAX((CASE WHEN "Primavera - Activity History"."Calendar"."Week Name" IN ('@{pv_previousweek}{2015 -08-30}') THEN "Primavera - Activity History"."Dates - (Activity)"."Finish" END) BY "Primavera - Activity History"."General - (Activity)"."Activity Id") &gt; MAX((CASE WHEN "Primavera - Activity History"."Calendar"."Week Name" IN ('@{pv_currentweek}{2015- 09-06}') THEN "Primavera - Activity History"."Dates - (Activity)"."Finish" END) BY "Primavera - Activity History"."General - (Activity)"."Finish" END) BY "Primavera - Activity History"."General - (Activity)"."Finish" END) BY "Primavera - Activity History"."General - (Activity)"."Finish" END)</pre>	Derived From Fact	P6 - Activity History

Calculated Member	Expression	Source	Subject Area / Dataset
New Activities	COUNT (CASE WHEN ( CASE WHEN "Primavera - Activity History"."Calendar"."Week Name" IN ('@{pv_currentweek}{2015- 09-06}') THEN "Primavera - Activity History"."General - (Activity)"."Activity Id" END) NOT IN ((CASE WHEN "Primavera - Activity History"."Calendar"."Week Name" IN ('@{pv_previousweek}{2015 -08-30}') THEN "Primavera - Activity History"."General - (Activity)"."Activity Id" END) ) THEN "Primavera - Activity History"."General - (Activity)"."Activity Id" END) ) THEN "Activity Id" END)	Derived From Fact	P6 - Activity History

Calculated Member	Expression	Source	Subject Area / Dataset
Activities Canceled	COUNT(CASE WHEN(CASE WHEN "Primavera - Activity History"."Calendar"."Week Name" IN ('@{pv_previousweek}{2015 -08-30}') THEN "Primavera - Activity History"."General - (Activity)"."Activity Id" END) NOT IN (( CASE WHEN "Primavera - Activity History"."Calendar"."Week Name" IN ('@{pv_currentweek}{2015- 09-06}') THEN "Primavera - Activity History"."General - (Activity)"."Activity Id" END) ) THEN "Primavera - Activity History"."General - (Activity)"."Activity Id" END) ) THEN "Activity Id" END)	Derived From Fact	P6 - Activity History

Calculated Member	Expression	Source	Subject Area / Dataset		
Formula %	( ( QTIM (	Derived	P6 - Activity		
	CASE WHEN	Erom Eact	History		
	"Drimavera - Activity	FIUITFACI	riistory		
	Higtory "Colordar" "Wook				
	Miscory . Carendar . week				
	$( \ensuremath{`e}\pv\_currentweek} \{2015-$				
	09-06}*) IHEN				
	CASE WHEN				
	CAST("Primavera - Activity				
	History"."Dates -				
	(Activity)"."Actual				
	Finish" AS				
	DATE)=CAST("Primavera -				
	Activity History"."Dates -				
	(Activity)"."Baseline				
	Project Finish" AS DATE)				
	THEN 1 ELSE 0 END				
	) END )				
	+ (				
	SUM (				
	CASE WHEN				
	MAX((CASE WHEN "Primavera				
	- Activity				
	History"."Calendar"."Week				
	Name" IN				
	('@{pv previousweek}{2015				
	-08-30}') THEN "Primavera				
	- Activity History". "Dates				
	- (Activity)", "Finish"				
	END) BY "Primavera -				
	Activity				
	History" "General -				
	(Activity) " "Activity				
	(Accivicy) . Accivicy d'' > MAX((CASE WHEN				
	"Drimawera - Activity				
	Higtory "Colordar" "Wook				
	Name IN				
	$\left( \left  $				
	$( \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$				
	D9-00} ) IHEN Primavera				
	- ACLIVILY HISLORY". "Dates				
	- (Activity)"."Finish"				
	END) BY "Primavera -				
	ACTIVITY				
	History"."General -				
	(Activity)"."Activity				
	IA") THEN 1 ELSE 0 END				
	)))				
	) / ( (				
	SUM ( CASE				
18	WHEN "Primavera - Activity				
40	History"."Calendar"."Week				
	Name" IN				
	$(1 \otimes (m_{T}, q_{1}) \otimes m_{T}) = (201 E$	1			

## Activity Look Ahead Dashboard

**Description:** This dashboard provides a list of upcoming activities for the next 3 days, 1 week, 2 weeks, and for the next 30, 60, and 90 days.

Number of Canvases: 7

Default Canvas: Next 3 Days

Canvas/Dashboard Name: Activity Look Ahead Dashboard

Data Source(s): P6 - EPPM

Subject Area: P6 – Activity

Datasets: Not applicable

Dashboard

#### Canvases

	0			
# Of Activities with No Resource	# Of Critical Activities	20 # Of Non-Critical Activities	8.8 Schedu	36% le % Complete
👽 # Of Activities for the Next 3 Days by Activity Status, Critical	👽 # Of Activities for the N	ext 3 Days by Primary Resource		
20	Ope	nations Clearance	Electrical Maintenance	Instrumentation and Controls
0 1 - Not Started 2 - In Progress 3 - Complete Critical III N III Y	2d			Mechanical Maintenance
# Of Activities for the Next 3 Days				
08/05/2015 # 07 Activities : 12 08/07/2015 # 07 Activities : 6	(exclusions =	Of Activities 17	00/28/2015 # OF A	Doller 14

Figure 15: Activity Look Ahead Dashboard - Next 3 Days



Figure 16: Activity Look Ahead Dashboard - Next 7 Days



Figure 17: Activity Look Ahead Dashboard - Next 14 Days



Figure 18: Activity Look Ahead Dashboard - Next 30 Days



Figure 19: Activity Look Ahead Dashboard - Next 60 Days



Figure 20: Activity Look Ahead Dashboard - Next 90 Days

I - Refuel Outage								
	Primary Resource	Activity Name	Activity Status	Critical	Start 4	Finish		
Instr	umentation and Controls	AT APPROX 350 MW SHUT DOWN 31 HDP	Completed	N	09/20/2015	09/20/2015	-	
Instr	umentation and Controls	POWER REDUCTION	Completed	N	09/20/2015	09/20/2015		
Meci	nanical Maintenance	REPLACE SWN-TCV-1113 VALVE, STEAM PACKING LEAK	Completed	N	09/20/2015	09/21/2015		
Oper	ations Clearance	BREAKER OPEN, START THE OUTAGE	Completed	N	09/20/2015	09/20/2015		
Oper	rations Clearance	DECREASE GEN LOAD TO 40 MW; XFER HOUSE LOADS	Completed	N	09/20/2015	09/20/2015		
Oper	ations Clearance	ESTABLISH H2 TO MAIN TURNINE GENERATOR	Completed	N	09/20/2015	09/20/2015		
Ope	ations Clearance	HANG SAFETY TAG (PTO) FOR TCV-1113	Completed	N	09/20/2015	09/20/2015		
Oper	ations Clearance	INSERT CONTROL BANK RODS	Completed	N	09/20/2015	09/21/2015		
Oper	ations Clearance	REDUCE REACTOR POWER TO LESS THAN 4% - (MODE 2)	Completed	N	09/20/2015	09/21/2015		
Oper	ations Clearance	REMOVE TURBINE FROM TURNING GEAR	Completed	N	09/20/2015	09/21/2015		
Oper	ations Clearance	REPLACE HYDROGEN WITH AIR PER SOP-TG-1	Completed	N	09/20/2015	09/20/2015		
Oper	rations Clearance	SECURE CONDENSER AIR REMOVAL SYS, BREAK VACUUM	Completed	N	09/20/2015	09/20/2015		
Oper	ations Clearance	SECURE SECOND CONDENSATE PUMP	Completed	N	09/20/2015	09/20/2015		
Oper	rations Clearance	SIGNOFF BY MANAGERS FOR COLD SHUTDOWN AP 9.4	Completed	N	09/20/2015	09/20/2015		
Oper	ations Clearance	SWAP FEEDWATER FROM MANUAL TO AUTOMATIC	Completed	N	09/20/2015	09/21/2015		
Ope	ations Clearance	TRIP GENERATOR, OFF THE GRID	Completed	N	09/20/2015	09/20/2015		
Elect	rical Maintenance	SECURE FEEDWTR PUMPS; PLACE AUX FEED INSERVICE	Completed	N	09/21/2015	09/21/2015		
Instr	umentation and Controls	31 ACCUMULATOR CALS	Completed	N	09/21/2015	09/22/2015		
Instr	umentation and Controls	COOLDOWN RCS TO LESS THAN 350 DEGREES (MODE 4)	Completed	N	09/21/2015	09/22/2015		
Instr	umentation and Controls	SHUTDOWN MAIN FEEDWATER PUMPS PER SOP-FW-1	Completed	N	09/21/2015	09/21/2015		
Oper	ations Clearance	BORATE TO COLD SHUT DOWN CONCENTRATION	Completed	N	09/21/2015	09/21/2015		
Oper	ations Clearance	CLOSE MAIN STEAM ISOLATION VALVES (MSIVS)	Completed	N	09/21/2015	09/22/2015		
Oper	ations Clearance	HANG SAFETY TAG (PTO) FOR 31 ACCUMULATOR CALS	Completed	N	09/21/2015	09/21/2015		
Oper	ations Clearance	INSERT SHUTDOWN BANK RODS (MODE 3 ENTRY)	Completed	N	09/21/2015	09/21/2015		
Oper	ations Clearance	MANAGEMENT APPROVAL TO EXCEED COLD SHUTDOWN	Completed	N	09/21/2015	09/21/2015		

Figure 21: Activity Look Ahead Dashboard - Activity Details

Canvas	Dimension / Attribute	Subject Area / Dataset
All Canvas	Activity Status	P6 – Activity
All Canvas	Critical	P6 – Activity
All Canvas	Primary Resource	P6 – Activity
All Canvas	Start	P6 – Activity
Activity Details	Finish	P6 – Activity
Activity Details	Activity Name	P6 – Activity

## Table 23: Activity Look Ahead - Dimensions

## Table 24: Activity Look Ahead – Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Next N Days	# of Activities	Fact	P6 – Activity

## Table 25: Activity Look Ahead – Filters

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Next N Days	Dashboard	No	Portfolio Name	P6 - Activity
All Canvas	Dashboard	No	Project Name	P6 - Activity
Next 3 Days	Dashboard	Yes	<pre>(CAST("Primavera - Activity"."Dates - (Activity)"."Start" AS DATE) BETWEEN CAST("Primavera - Activity"."Dates - (Project)"."Data Date" AS DATE) AND TIMESTAMPADD(SQL_TSI_ DAY,3,CAST("Primavera - Activity"."Dates - (Project)"."Data Date" AS DATE)))</pre>	P6 - Activity

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Next 7 Days	Dashboard	Yes	<pre>(CAST("Primavera - Activity"."Dates - (Activity)"."Start" AS DATE) BETWEEN CAST("Primavera - Activity"."Dates - (Project)"."Data Date" AS DATE) AND TIMESTAMPADD(SQL_TSI_ DAY,7,CAST("Primavera - Activity"."Dates - (Project)"."Data Date" AS DATE)))</pre>	P6 - Activity
Next 14 Days	Dashboard	Yes	<pre>(CAST("Primavera - Activity"."Dates - (Activity)"."Start" AS DATE) BETWEEN CAST("Primavera - Activity"."Dates - (Project)"."Data Date" AS DATE) AND TIMESTAMPADD(SQL_TSI_ DAY,14,CAST("Primaver a - Activity"."Dates - (Project)"."Data Date" AS DATE)))</pre>	P6 - Activity
Next 30 Days	Dashboard	Yes	<pre>(CAST("Primavera - Activity"."Dates - (Activity)"."Start" AS DATE) BETWEEN CAST("Primavera - Activity"."Dates - (Project)"."Data Date" AS DATE) AND TIMESTAMPADD(SQL_TSI_ DAY,30,CAST("Primaver a - Activity"."Dates - (Project)"."Data Date" AS DATE)))</pre>	P6 - Activity

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Next 60 Days	Dashboard	Yes	<pre>(CAST("Primavera - Activity"."Dates - (Activity)"."Start" AS DATE) BETWEEN CAST("Primavera - Activity"."Dates - (Project)"."Data Date" AS DATE) AND TIMESTAMPADD(SQL_TSI_ DAY,60,CAST("Primaver a - Activity"."Dates - (Project)"."Data Date" AS DATE)))</pre>	P6 - Activity
Next 90 Days	Dashboard	Yes	<pre>(CAST("Primavera - Activity"."Dates - (Activity)"."Start" AS DATE) BETWEEN CAST("Primavera - Activity"."Dates - (Project)"."Data Date" AS DATE) AND TIMESTAMPADD(SQL_TSI_ DAY,90,CAST("Primaver a - Activity"."Dates - (Project)"."Data Date" AS DATE)))</pre>	P6 - Activity

## Table 26: Activity Look Ahead – Calculated Members

Calculated Member	Expression	Source	Subject Area / Dataset
Schedule % Complete (PRCNT)	"Primavera - Activity"."Percent Complete"."Schedule % Complete" / 100	Derived From Fact	P6 - Activity

## Shutdown / Turnaround / Outage Dashboard

**Description:** Asset intensive organizations (utilities) can leverage this dashboard to track activities scheduled, performed, resources assigned, etc. in a very granular format during shutdown, turnaround, outage periods.

Number of Canvases: 2

Default Canvas: By Resource (Dropdown)

Canvas/Dashboard Name: Shutdown/Turnaround/Outage

Data Source(s): P6 - EPPM

Subject Area: P6 - Activity

**Datasets:** Not applicable

#### Dashboards



Figure 22: Shutdown / Turnaround / Outage Dashboard - By Resource (Dropdown)



Figure 23: Shutdown / Turnaround / Outage Dashboard - By Resource (Trellis)

Canvas	Dimension / Attribute	Subject Area / Dataset
All Canvas	Calendar Date	P6 – Burn Down
All Canvas	Activity > Finish	P6 – Burn Down
All Canvas	Primary Resource	P6 – Burn Down
All Canvas	Project > Workdown Date	P6 – Burn Down

## Table 27: Shutdown / Turnaround / Outage - Dimensions

## Table 28: Shutdown / Turnaround / Outage – Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
All Canvas	Emergent Remaining Units Burn	Fact	P6 – Burn down

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
All Canvas	Dashboard	No	Project Name	P6 – Burn down
All Canvas	Dashboard	No	Primary Resource	P6 – Burn down
All Canvas	Dashboard	No	Week Name	P6 – Burn down
All Canvas	Visual	Yes	CASE WHEN "Primavera - Burn Down"."Dates - (Activity)"."Finish" > "Primavera - Burn Down"."Dates - (Project)"."Workdown Date" THEN 1 ELSE 0 END = 1	P6 – Burn down

|--|

## Table 30: Shutdown / Turnaround / Outage – Calculated Members

Calculated Member	Expression	Source	Subject Area / Dataset
Original Remaining (hours)	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HO UR, "Primavera - Burn Down"."Calendar"."Calend ar Date", "Primavera - Burn Down"."Dates - (Project)"."Data Date") > 0 THEN "Primavera - Burn Down"."Units"."Non-Emerg ent Remaining Units Burn" + CASE WHEN TIMESTAMPDIFF(SQL_TSI_DA Y, "Primavera - Burn Down"."Calendar"."Calend ar Date", "Primavera - Burn Down"."Dates - (Project)"."Data Date") = 0 AND "Primavera - Burn Down"."Metrics"."New Record Count" = 0 THEN "Primavera - Burn Down"."Units"."Remaining Units" ELSE 0 END ELSE NULL END	Derived From Fact	P6 - Burn Down

Calculated Member	Expression	Source	Subject Area / Dataset
Emergent Remaining (hours)	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HO UR, "Primavera - Burn Down"."Calendar"."Calend ar Date", "Primavera - Burn Down"."Dates - (Project)"."Data Date") > 0 THEN "Primavera - Burn Down"."Units"."Emergent Remaining Units Burn" + CASE WHEN TIMESTAMPDIFF(SQL_TSI_DA Y, "Primavera - Burn Down"."Calendar"."Calend ar Date", "Primavera - Burn Down"."Dates - (Project)"."Data Date") = 0 AND "Primavera - Burn Down"."Metrics"."New Record Count" > 0 THEN "Primavera - Burn Down"."Units"."Remaining Units" ELSE 0 END ELSE NULL END	Derived From Fact	P6 – Burn down

Calculated Member	Expression	Source	Subject Area /
			Dataset
Calculated Member Original and Emergent Remaining (hours)	Expression (CASE WHEN TIMESTAMPDIFF(SQL_TSI_HO UR, "Primavera - Burn Down"."Calendar"."Calend ar Date", "Primavera - Burn Down"."Dates - (Project)"."Data Date") > 0 THEN "Primavera - Burn Down"."Units"."Non-Emerg ent Remaining Units Burn" + CASE WHEN TIMESTAMPDIFF(SQL_TSI_DA Y, "Primavera - Burn Down"."Calendar"."Calend ar Date", "Primavera - Burn Down"."Dates - (Project)"."Data Date") = 0 AND "Primavera - Burn Down"."Metrics"."New Record Count" = 0 THEN "Primavera - Burn Down"."Units"."Remaining Units" ELSE 0 END ELSE NULL END)+ (CASE WHEN TIMESTAMPDIFF(SQL_TSI_HO UR, "Primavera - Burn Down"."Calendar"."Calend ar Date", "Primavera - Burn Down"."Dates - (Project)"."Data Date") > 0 THEN "Primavera - Burn Down"."Calendar"."Calend ar Date", "Primavera - Burn Down"."Dates - (Project)"."Data Date") > 0 THEN "Primavera - Burn Down"."Units"."Emergent Remaining Units Burn" + CASE WHEN TIMESTAMPDIFF(SQL_TSI_DA Y, "Primavera - Burn Down"."Calendar"."Calend ar Date", "Primavera - Burn Down"."Dates - (Project)"."Data Date") > 0 THEN "Primavera - Burn Down"."Calendar"."Calend ar Date", "Primavera - Burn Down"."Dates - (Project)"."Data Date") = 0 AND "Primavera - Burn	Source Derived From Fact	Subject Area / Dataset P6 – Burn down
	0 AND "Primavera - Burn Down"."Metrics"."New Record Count" > 0 THEN "Primavera - Burn Down"."Units"."Remaining Units" ELSE 0 END ELSE NULL END)		

Calculated Member	Expression	Source	Subject Area / Dataset
Baseline Work Down	"Primavera - Burn Down"."Units"."Baseline Units Burn"		P6 – Burn down
Total Man Hours	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HO UR,"Primavera - Burn Down"."Calendar"."Calend ar Date","Primavera - Burn Down"."Dates - (Project)"."Data Date") > 0 THEN "Primavera - Burn Down"."Units"."Remaining Units Burn" + "Primavera - Burn Down"."Units"."Actual Units Burn" + CASE WHEN TIMESTAMPDIFF(SQL_TSI_DA Y,"Primavera - Burn Down"."Calendar"."Day Date","Primavera - Burn Down"."Dates - (Project)"."Data Date") = 0 AND HOUR("Primavera - Burn Down"."Dates - (Project)"."Data Date") <> 0 THEN "Primavera - Burn Down"."Units"."Remaining Units" ELSE ("Primavera - Burn Down"."Units"."Actual Period Units" - "Primavera - Burn Down"."Units"."Actual Units") END ELSE NULL END		P6 – Burn down
Current Work Down	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HO UR,"Primavera - Burn Down"."Calendar"."Calend ar Date","Primavera - Burn Down"."Dates - (Project)"."Data Date") <= 0 THEN "Primavera - Burn Down"."Units"."Remaining Units Burn" ELSE NULL END	Derived From Fact	P6 – Burn down

[			
Calculated Member	Expression	Source	Subject Area / Dataset
Original Remaining (count)	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HO UR, "Primavera - Burn Down"."Calendar"."Day Date","Primavera - Burn Down"."Dates - (Project)"."Data Date") > 0 THEN "Primavera - Burn Down"."Metrics"."Non-Eme rgent Remaining Count" ELSE NULL END	Derived From Fact	P6 – Burn down
Emergent Remaining (count)	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HO UR, "Primavera - Burn Down"."Calendar"."Day Date","Primavera - Burn Down"."Dates - (Project)"."Data Date") > 0 THEN "Primavera - Burn Down"."Metrics"."Emergen t Remaining Count" ELSE NULL END	Derived From Fact	P6 – Burn down
Original and Emergent Remaining (count)	<pre>(CASE WHEN TIMESTAMPDIFF(SQL_TSI_HO UR, "Primavera - Burn Down"."Calendar"."Day Date","Primavera - Burn Down"."Dates - (Project)"."Data Date") &gt; 0 THEN "Primavera - Burn Down"."Metrics"."Non-Eme rgent Remaining Count" ELSE NULL END)+(CASE WHEN TIMESTAMPDIFF(SQL_TSI_HO UR, "Primavera - Burn Down"."Calendar"."Day Date","Primavera - Burn Down"."Dates - (Project)"."Data Date") &gt; 0 THEN "Primavera - Burn Down"."Metrics"."Emergen t Remaining Count" ELSE NULL END)</pre>	Derived From Fact	P6 – Burn down

Calculated Member	Expression	Source	Subject Area / Dataset
Baseline Work Down (count)	"Primavera - Burn Down"."Metrics"."Baselin e Not Started Count" + "Primavera - Burn Down"."Metrics"."Baselin e In Progress Count"	Derived From Fact	P6 – Burn down
Current Work Down (count)	<pre>SUM(CASE WHEN TIMESTAMPDIFF(SQL_TSI_HO UR,"Primavera - Burn Down"."Calendar"."Calend ar Date","Primavera - Burn Down"."Dates - (Project)"."Data Date") &lt;= 0 THEN CASE WHEN TIMESTAMPDIFF(SQL_TSI_MI NUTE,"Primavera - Burn Down"."Calendar"."Calend ar Date","Primavera - Burn Down"."Dates - (Activity)"."Planned Finish") &gt; 1440 AND "Primavera - Burn Down"."General - (Activity)"."Activity Status" &lt;&gt; 'Completed' THEN 1 ELSE 0 END ELSE NULL END)</pre>	Derived From Fact	P6 – Burn down
Total # of Activities	<pre>SUM(CASE WHEN TIMESTAMPDIFF(SQL_TSI_HO UR,"Primavera - Burn Down"."Calendar"."Calend ar Date","Primavera - Burn Down"."Dates - (Project)"."Data Date") &gt; 0 THEN 1 ELSE NULL END)</pre>	Derived From Fact	P6 – Burn down
Original Schedule and Completed	"Primavera - Burn Down"."Metrics"."Schedul ed and Completed Count"	Derived From Fact	P6 – Burn down
Original Schedule and Not Completed	"Primavera - Burn Down"."Metrics"."Schedul ed and Not Completed Count"	Derived From Fact	P6 – Burn down

Calculated Member	Expression	Source	Subject Area /
Emergent and Completed	"Primavera - Burn Down"."Metrics"."Not Scheduled and Completed Count"	Derived From Fact	P6 – Burn down
Total Scheduled	"Primavera - Burn Down"."Metrics"."Schedul ed and Completed Count"+"Primavera - Burn Down"."Metrics"."Schedul ed and Not Completed Count"	Derived From Fact	P6 – Burn down
Original Schedule Compliance %	CASE WHEN ("Primavera - Burn Down"."Metrics"."Schedul ed and Completed Count"/("Primavera - Burn Down"."Metrics"."Schedul ed and Completed Count"+"Primavera - Burn Down"."Metrics"."Schedul ed and Not Completed Count")) IS NULL THEN 0 ELSE ("Primavera - Burn Down"."Metrics"."Schedul ed and Completed Count"/("Primavera - Burn Down"."Metrics"."Schedul ed and Completed Count"+"Primavera - Burn Down"."Metrics"."Schedul ed and Completed Count"+"Primavera - Burn Down"."Metrics"."Schedul ed and Not Completed Count")) END	Derived From Fact	P6 – Burn down

# Labor Units History Dashboard

Description: .

Number of Canvases: 1

Default Canvas: Canvas 1

Canvas/Dashboard Name: Labor Units History

Data Source(s): P6 - EPPM Subject Area: P6 – Activity History Datasets: Not applicable

#### Dashboard



## Figure 24: Labor Units History

## Table 31: Shutdown / Turnaround / Outage - Dimensions

Canvas	Dimension / Attribute	Subject Area / Dataset
All Canvas	Year Name	P6 – Activity History
All Canvas	Month Name	P6 – Activity History

#### Table 32: Shutdown / Turnaround / Outage – Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
All Canvas	Actual Labor Units	Fact	P6 – Activity History
	At Completion Labor Units	Fact	P6 – Activity History
	Planned Labor Units	Fact	P6 – Activity History
	Remaining Labor Units	Fact	P6 – Activity History

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
All Canvas	Dashboa rd	No	Year Name	P6 – Activity History

#### Table 33: Shutdown / Turnaround / Outage - Filters

## CPI, SPI, and Labor Units Dashboard

Description: .

Number of Canvases: 1

Default Canvas: Canvas 1

Canvas/Dashboard Name: CPI, SPI, and Labor Units

Data Source(s): P6 - EPPM

Subject Area: P6 - Activity

Datasets: Not applicable

#### Dashboard





Canvas	Dimension / Attribute	Subject Area / Dataset
All Canvas	Project Name	P6 – Activity

### Table 34: Shutdown / Turnaround / Outage - Dimensions

#### Table 35: Shutdown / Turnaround / Outage – Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
All Canvas	Cost Performance Index (Cost)	Fact	P6 – Activity
	Schedule Performance Index (Units)	Fact	P6 – Activity
	Actual Labor Units	Fact	P6 – Activity
	Remaining Labor Units	Fact	P6 – Activity

#### Table 36: Shutdown / Turnaround / Outage - Filters

Canvas	Filter Type	ls Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
All Canvas	Dashboar d	No	Performance % Complete	P6 – Activity
All Canvas	Dashboar d	No	Project Name	P6 – Activity

## Project Risk - Cost Overview Dashboard

Description: .

Number of Canvases: 3

Default Canvas: Project Risk Overview

Canvas/Dashboard Name: Project Risk - Cost Overview

Data Source(s): P6 - EPPM

Subject Area: P6 - Activity, P6 - Project History

Datasets: Not applicable

## Dashboards

← 🛃 Project Risk - Cost Overview	Data Visualize Present		12 N B	. <b>.</b>	B • 0
Portfolio Name Key Sample Projects					⊕ :
Risk Score by Project Name, Project Status, Risk Exposure	Risk Exposure by Project Name	Risk Score by Project Score, Project Owner			
39 42 24 112 Rish Exposure 44K 62K	150,077     150,035       150,077     150,035       150,077     150,035       150,077     150,035       150,077     150,035       150,077     150,035       150,077     150,035       150,077     150,035       150,077     150,035       150,077     150,035       150,077     150,035       150,077     150,005       150,077     150,005       150,077     150,005       150,077     150,005       150,077     150,005       150,077     150,005       150,077     150,005       150,077     150,005       150,077     150,005       150,077     150,005       150,077     150,005       150,077     150,005       150,077     150,005       150,077     150,005       150,077     150,005       150,077     150,005       150,075     150,005       150,075     150,005       150,075     150,005       150,075     150,005       150,075     150,005       150,075     150,005       150,075     150,005       150,075     150,005       150,075     150,005	51.015 51.015 Project Owner B Backara Rice, PMO Director	17.97% 19.35% Gary Marshall	Jeff Young 📕	Wendy Resner
Planned Total Cost, Risk Exposure by Project Owner, Project Name, Actual Total Cost	Portfolio !	Name, Risk Score, Risk Exposure, Project Name, I	Project Score, Proje	ect Risk Level, I	Project Risk S
70	Portfolio Name	Risk Risk Project Name Project Score	Project Project Risk Risk Level Score	Project P Risk S Exposure	roject Project tatus Owner
600 · · · · · · · · · · · · · · · · · ·	Key Sample Projects	42.00 61,562 4G Tablet 62	Medium 42	61562.5 A	ctive Gary Marshall
	Project Name Key 4 di Tablet Project Sample Projects Projects Projects	112 43,725 Baytown, TX - Refuel 66 Outage	Medium 112	43725 A	ctive Jeff Young
9 10 10 10	Cody as Plant E     Key     Project Swordfish     Sample     Projects     Actual Total Cost	24.00 47,250 Cordova - Plant Expansion & Modernization	Very 24 High	47250 A	ctive Wendy Resner
201	0 813K Samples Projects	39.00 56,875 Project 89 Swordfish	Medium 39	56875 A	ctive Barbara Rice, PMO
0 0.0 0.2M 0.4M 0.6M 0.8M	<10M 12M 14M				birector
Planned Total Cost Project Risk Overview Project Nano Risk Analysis				4 Slices	@ ☆   ∎ □

# Figure 26: Project Risk Overview

+	🛃 Project Risk - Cost Overview			Data Visu	alize Present			<i>ଦ</i> ା ଛି ଲେଟ ଯେ ଅଟେ ©
⊕ Cli	ik here or drag data to add a filter							8 :
WB	Name Level 1, Project Name, Activity Name, Planned Total	Cost, Risk Score, Va	riance - Baseline Project Duratio	1				
Plan	ned Total Cost: ≥ 500,000 Critical: Y Planned Total Cost > 0 Expre	ssion Filter						
		WBS Name Level 1	Project Name	Activity Name	Planned Total Cost	Risk Score	Variance - Baseline Project Duration	
		Business Case Stage	4G Tablet Project	Analyze New Product	30,900.00	3	0	
		Business Case Stage	4G Tablet Project	Analyze New Product	30,900.00	5	0	
		Business Case Stage	4G Tablet Project	Analyze New Product	30,900.00	7	0	
		Business Case Stage	4G Tablet Project	Analyze New Product	30,900.00	9	0	
		Business Case Stage	Algorithm Modification Project	Analyze New Product	91,375.00		0	
		Business Case Stage	Hemaform Program	Analyze New Product	106,250.00		0	
		Rusiness Case						*
Plan	ned Total Cost by Activity Name ned Total Cost:≥ 500,000 Critical:Y Planned Total Cost > 0 .4M				Project Nano Estim Project Name: Project Nano	ate at	completion by Project P	hase
	.0M -							
otal Cos	6M -						19.02% 1	6.17%
T paula	84						9.75%	
2	AM							33.35%
	0.0						21.71%	
	loop New roduct 1 process System rementa Product New Product New P	Design System ate Nerw	halogien isting piement process fign New Product Product identify nabling	ireme Jose Nen Product Product Product Product Product Product				
	Pere Pere Connection New Internation	Evalua	Des In the contract of the con	Anal				
		Activity Name			WBS Name Level 1	Business C	ase stage 🔳 Development Stage 📒 La	sunch Stage 🔳 Scoping Stage 🔳 Testing and Validation Stage 📕
Projec	Risk Overview Project Nano Risk Analysis ③							146 Rows, 6 Columns 🛛 🤣 🎸 📘 🚺

## Figure 27: Project Nano



## Figure 28: Risk Analysis

Table 37: Project Risk -	Lost Overview - Dimensions	
Canvas	Dimension / Attribute	Subject Area / Dataset
Project Risk Overview	Project Name	P6 – Activity
Project Nano		P6 - Project History
Risk Analysis		
Project Risk Overview	Project Status	P6 - Project History
Project Risk Overview	Project Score	P6 - Project History
Project Risk Overview	Project Owner	P6 - Project History
Project Risk Overview	Portfolio Name	P6 - Project History
Project Risk Overview	Project risk Level	P6 - Project History
Project Risk Overview	Project Risk Score	P6 – Activity
Risk Analysis		P6 - Project History
Project Risk Overview	Project Risk Exposure	P6 – Activity
Risk Analysis		P6 - Project History
Project Nano	WBS Name Level 1	P6 – Activity
Project Nano	Activity Name	P6 – Activity

#### able 27. Dreiset Diel Cost Overview - Dimensio

Canvas	Dimension / Attribute	Subject Area / Dataset
Project Nano	Risk Score	P6 – Activity
Project Nano	Variance-Baseline Project Duration	P6 – Activity
Risk Analysis	Country Name	P6 – Activity
Risk Analysis	Project ID	P6 – Activity
Risk Analysis	Start	P6 – Activity
Risk Analysis	Finish	P6 – Activity

## Table 38: Project Risk - Cost Overview - Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Project Risk Overview	Risk Score	Fact	P6 - Project History
Project Risk Overview	Risk Exposure	Fact	P6 - Project History
Project Risk Overview	Planned Total Cost	Fact	P6 - Project History
Project Risk Overview	Actual Total Cost	Fact	P6 - Project History
Project Nano	Planned Total Cost	Fact	P6 – Activity
Project Nano	Estimate At Completion (Cost)	Fact	P6 – Activity
Risk Analysis	Risk Exposure	Calculated from Fact	P6 – Activity
Risk Analysis	Total Risks	Calculated from Fact	P6 – Activity
Risk Analysis	Risk Score	Calculated from Fact	P6 – Activity

## Table 39: Project Risk - Cost Overview - Filters

Canvas	Filter	ls Expression	Dimension / Attribute /	Subject Area /
	Type	Filter	Measure	Dataset
Project Risk Overview	Dashboa rd	No	Portfolio Name	P6 - Project History

Canvas	Filter Type	ls Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Project Nano	Visual	No	Planned Total Cost	P6 – Activity
Project Nano	Visual	No	Critical	P6 – Activity
Project Nano	Visual	Yes	Planned Total Cost	P6 – Activity
Project Nano	Visual	No	Project Name	P6 – Activity
Risk Analysis	Visual	No	Risk Exposure	P6 – Activity
Risk Analysis	Visual	No	Total Risks	P6 – Activity

#### Table 40: Project Risk - Cost Overview - Calculated Members

Calculated Member	Expression	Source	Subject Area / Dataset
Risk Exposure	SUM("Primavera - Activity"."General - (Project)"."Project Risk Exposure")	Derived From Fact	P6 – Activity
Total Risks	COUNT(DISTINCT "Primavera - Activity"."Risk"."Risk Id" by "Primavera - Activity"."General - (Project)"."Project ID")	Derived From Fact	P6 – Activity
Risk Score	SUM("Primavera - Activity"."General - (Project)"."Project Risk Score")	Derived From Fact	P6 – Activity

### **Project Health Assessment Dashboard**

**Description**: The Project Health Assessment dashboard provides an overall assessment of your projects, portfolios, and activities using project metrics to measure the project schedule

Default Canvas: Assessment

Canvas/Dashboard Name: Project Health - Assessment

Data Source(s): P6 - EPPM

Subject Area: P6 – Activity

Datasets: NA

## Dashboards:

auticia Name Design Ou							•	eta Vauatze I	resent							
i Al	ner															1
Select Variable to Update: (Long	Lags_N V C		ate													
Musing Negative Lags (N)	Lags (N) <	p Long Laps	N PS Relation	rahips (N) >	Mard Const	earrs N 5	nh Constraints (N) <	Large Float	Large Pleat 00	Negative Float (K)	Large Durations	Large Durations	N Insld Pages	a Resource	Cost (N) Late Activities (N) <	10 N
Aprile 1								000107			poure r		100 1			
ule Assessment Overview																
Sule Assessment Overview		folio Name	Missing Legis	Negative Laps	Lags	Long Lags /	S Rel. Mand Contra	inta Soft Contraints	Large Float	Negative Float La	rge Durations Imail	Progress Resource	/ Gent Late Activity	. 10		
Bule Assessment Overview	Pa Caranati Caranati	folio Name Popula	Missing Logic	Negative Lags 12.76	Lags 15.6X	Long Laps /	S Bat. Pland Control BL PK	ints Soft Cantraints	Large Float 64.05	Negative Float La 6/95	rya Durations Invalid 13.25	Progress Resource 6/8	/ Cost Lane Activitie 4.0% 4.0%	n 10 8 6108		
Bule Assessment Overview	Pin Constructs Corporate Strengts And	folio Name Projects rijetti	Missing Lagic 1.25 0.05 4.15	Negative Lags 12.7% 6.0% 8.0%	Lags 15.65 8.75 8.75	Long Laps / 6.5% 6.2% 6.2%	S Inc. Mand Control 10.0%	105 Soft Contraints 105 2.39 105 9.00	Large Float G405 G105 2515	Negative First U 6/55 6/55 1.55	rge Durations Invalid 15.25 6.75	Pogens         Resource           6.05         6.05           6.05         6.05	/ Cost Lans Jethilis 4.0% 4.0 8.0% 106.0	n 10 n 49.05 n 12.75 n 54.76		
fule Assessment Overview	Pin Cananucs Corporae Barryo An Brandal	fulio Name Popera Ipera Ca	Missing Lagit 1.25 4.05 4.15 9.75	Negative Laps 12.7% 6.0% 6.0% 7.7%	Laja 15.65 0.75 0.75 0.75	Long Laps 9 8.5% 8.7% 8.7% 8.7% 8.7%	3 Taris - Haurd Conton 40. (%) 40. (%) 40. (%) 40. (%) 40. (%)	105 547 Curtulato 106 2.39 105 6.0 106 540 106 640	Larga Fleat 64.00 6 23.00 73.00 6 23.00 6 6.00	Negative Float La 6/8 6 6/8 6 1/8 6 6/8 6	rpt Durations Insult 8-28 9-38 9-38 9-38 22-38	Pogess Resource 6/8	/ Cost Lans Activity 4-05 4-0 4-05 94-4 4-05 4-4 4-05 4-4	n 80 8 43-84 8 12-28 8 53-96 8 73-15		
fule Assessment Overview	Ри Саналискі Спераник Влагра Аларіса Кар Аларіса Кар Аларіса	fuña Kana Pojaco queta eta esar 5100K	Missing Lagit 1.25 0.25 0.75 0.75 0.75 0.45	Negative Laps 122% 63% 64% 73% 64% 73%	Laji 15.65 1-75 1-75 1-75 1-75 1-75 1-75 1-75 1-7	Long Laps / 4.3% 6.8% 6.8% 6.8% 1.3%	3 Ind. Parel Control 88 05 88 05 88 05 88 05 80 05 80 05 80 05 80 05	107 Sult Castrainto 108 2.39 108 4.09 108 4.09 108 4.00 108 2.20	Large Ploat     S     G455     G55     G55     G45     G45	Negative Float Ca 60% 5 60% 5 70% 5 60% 5 70% 5	rept Deventions Street 25.2% 4.1% 22.1% 11.1%	Pogess         Resource           6/8         -           6/8         -           6/8         -           6/8         -           6/8         -           6/8         -           6/8         -	/ Cost Lans Activity 6.05 6.4 6.05 9964 6.05 6.4 6.05 6.4 6.05 6.4 6.05 6.4	n 10 N 63.85 N 12.25 N 50.95 N 73.15 N 73.15 N 44.25		
Bule Assessment Overvlaw	Pa Carastucto Corgonale Borego Ro d' Austria Kao Sunga Kao Sanga	fuña Kana Ingers senta eta sear 5500K Nigers	Missing Lagit 1.75 4.75 4.75 4.75 4.75 4.75 4.75 4.75	Negativi Laga 10.7% 6.0% 4.0% 7.0% 4.0% 4.0%	Liji 15.85 6.95 6.95 6.95 9.96 9.96 9.96 9.96 9.9	Long Laps / 6.555 6.855 6.855 6.855 6.855 6.955 1.9555 1.955 1.9555 1.9555 1.9555 1.9555 1.9555 1.9555 1.9555 1.9555 1.9	5 Ind. Heard Control 64.05 (1998) 64.05 (199	107.1 Suff Cantrainto 108.1 2.39 108.108.108 108.108.108 108.2.409 108.2.409 108.108	Large Post 6 6455 6 64556 6 6456 6 64566 6 645666 6 6456666 6 6456666666666	Negative Float 6.05 7.05 7.0	rgi Durations Intelli 25.25 5.75 5.75 5.75 5.75 5.75 5.75 5.7	Propess Resource 8-8% 8-8% 8-8% 8-8% 8-8% 8-8% 8-8% 8-8	/ Com Lans Activity 0.0% 0.04 0.0% 0.04 0	100 100 100 100 100 100 100 100		
dyk Assessment Overview	Per Constant Congress Brings Per II Pantisa Kan Penger Kan Sangt Wandeth Wandeth	fullo Name Popers opers over 55004 Angents Poperts Pomers	Missing Lapit 1.75 8.05 4.05 8.75 8.75 8.75 8.75 8.75 8.75 8.75 8.7	Nepafist Laps 13.2% 6.3% 6.4% 7.2% 6.4% 6.4% 6.4% 6.4%	Lap 15.00 15	Ling Laja / 6.55 / 6.85 / 6.85 / 6.95 / 1.95	5.1.4. Paul Control 51.05 (1997) 50.05 (1997) 51.05 (1997	2013 Soft Contractor 2018 2.29 2018 4.00 2018 4.00 2018 2.20 2019 5.00 2019 5.00	Large Float     G4.5%     G4.5%     G95%     G95%     G4.5%	Napathe Float ( La 6.05 ( 6.05 ( 6.05))))))))))))))))))))))))))))))))))))	rp Querios Inch 35.85 5.75 6.95 10.95 11.95 1.95 1.95	Progress         Resource           0.0%         0           0.0%         0           0.0%         0           0.0%         0           0.0%         0           0.0%         0           0.0%         0           0.0%         0           0.0%         0           0.0%         0           0.0%         0	/ Gut Late A clubs 0.05 0.05 0.05 0.0 0.05 0.0 0.05 0.0 0.05 0.00 0.05	100 100 100 100 100 100 100 100		
dule Assessment Overview	Pro Constructs Corporate Kan Tanger Kan Tanger Wandhow Products Products Products	Noto Name Popers spects eser spects eser 55004 Angents Poperts Poperts Poperts Poperts Poperts	Missing Legit 1.25 6.05 6.05 6.05 6.05 6.05 6.05 6.05 6.0	Negatist Lap. 12.75 6.65 7.76 6.85 7.76 6.85 6.85 7.66 7.66 7.66	Liji 15.65 1.05 1.05 1.05 1.05 1.05	Long Laps 9 6.05 6.05 6.05 6.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1	3 Ref. Plant Control 81 No. 1 84 No. 1 84 No. 1 84 No. 1 84 No. 1 85 No. 1	203 501 Contraints 105 2.91 106 4.00 107 4.00 108 4.00 108 4.00 108 4.00 108 4.00 109 4.00 100 4.	Larga Float     G4.05     G4.05     G95	Negative Float         La           6.0%         6           6.0%         6           6.0%         6           6.0%         6           6.0%         6           6.0%         6           6.0%         7           6.0%         7           6.0%         7	Pp Curstisks Studi 25.25 8.05 8.05 8.05 8.05 8.05 8.05 8.05 8.0	Pagess Esserie Em	/ Guet Lans Actuation 6 (K) 6 (f) 6	n 80 N 63.9% N 12.2% N 50.9% N 72.2% N 50.9% N 72.2% N 12.8% N 50.9% N 50.9		

Figure 29: Project Health Dashboard - Assessment

M Pro	oject Health - A	asessment	•																
lortfolio Na	ame																		6
Select Vari	iable to Update: 🕃	ong_Lags_t	¥ ¥	Update	Ð														
edule Asses	sament Settings																		
Missing ogic (NI <	Nepative Laps (N) <	Lags (N)	c (hours) >	Long Laps (N) <	P5 Relational	Nips (N) >	Hard Const <	names (90	Soft Constra	uints (N) <	(hours) >	Large Ploat (N) <	Negative Float (N) <	Large Durations (hours) >	Large Durations (N) <	Invalid Progress (N) <	Resource / Cost 0	Eate Activities (N <	80 (N >
A	1.0%	5.0%	152	5.0%	90.0%		.0%		1.0%	1	12	1.0%	1.0%	162	5.0%	1.0%	1.05	5.0%	95.0%
Sule Asses	isment Overview		Project Nat		Maxing Logic	Negative Lago	Laps	Long Lags	PS Ref.	Hard Contraint	s Soft Contraint	s Large Ploat	Nepative Float La	arge Durations Inval	ld Progress Resource	Cent Late Active	es 80		
lule Asses	isment Overvlew		Project Nat 10 Poronge Project 40 Tablet Project		Missing Legit 0.0%	Negative Lago 7.75 7.75	Laga 0.0%	Long Lags 6.0%	15 fail. NJ IN NJ IN NJ IN	Hard Contraint 0.2 0.7	n Selt Contraine N 6.0	s Large Ploat 6 0.0% 6 0.0%	Nejative Pleat U	erger Dunations Inval 6 m. 6 m.	d higress Resource	Cent Lan Active 0.0% 0 0.0% 00	n 10 n		
ule Asses	isment Overvlew		Project Nar 30 Porosyn Project 40 Tablet Project ACP Integration Project Aces Integration Project	NA 1	Missing Logik 6.0% 7.0% 1.0%	Negative Lago 7.7% 7.7% 18.2%	Lap 0.01 0.05 0.05 0.05	Long Laps 0.0% 0.0% 0.0%	13 kd. 92 m 92 m 93 m	Hard Contrains 6.0 6.0 6.0 6.0	n Soft Controlet N 6.7 N 6.7 N 6.7	Large Filed 6 E.m. 7 E.m. 7 Th 7 Th 7 Th	Negative Pixel 4	erja Duristiots Break	d hopes Association 6.M 6.M 6.M 6.M	Cost Laire Active 0.0% 0 0.0% 000 0.0% 000	n B) N r		
le Asses	ssment Overview		Project Nar 10 hrstolge froject 40 fable: Project Ach stregation Project Assiss Driversity - Andro Algerstin Woolfsactor Pr	94 S	Missing Logic 0.0% 0.0% 1.0% 0.0% 0.0%	Negative Lago 7.75 7.75 7.45 7.45 14.25 7.75	600 605 605 605 605	6m 6m 6m 6m 6m 6m 6m	F5 bel. 52 JB 52 JB 74 JB 52 JB	Hard Contrains 6.0 6.0 6.0 6.0 6.0	s Soft Contraint N 6.7 N 6.7 N 6.7 N 6.7 N 6.7	A Large Piest A £05 A £05 A 7.15 A 72.76 A £05	Negative Pixed U 0.0% 0.0% 0.0% 0.0% 0.0%	erge Durations amue 6 ms 6 ms 6 ms 41.7% 23.7%	en la	Cont Late Active dama di dama di dama di dama di biama di dama	n 10 · · ·		
le Asses	sament Overview		Project Nar 10 hrstope froject 40 fabler froject Alte Integration Project Alterna Tomersty - Ancho Alterna Forlal Integration	nga (pt) Prijat	Missing Legit 0.0% 7.0% 1.5% 0.0%	Negative Lago 7.7% 7.7% 14.2% 7.7% 7.7% 7.7%	Lop 0.05 0.05 0.05 0.05 0.05	6m) (ap) 6m 6m 6m 6m 6m 6m	P3 Ital. 52.75 52.75 73.85 52.75 52.75 52.75	Hard Contraint 0.7 0.7 0.7 0.7 0.7 0.7 0.7	s Soft Contraint N 6.0 N 6.0 N 6.0 N 6.0 N 6.0 N 6.0	Large First A & 0.0 A & 0.0	Negative Plant 44 4 dm 4 4 dm 4 1 dm	erge Docations I they dim 4 10.13 11.73 12.13 23.15 0.05 0.	ld Program Resource ; 4 8% . 4 8% . 4 8% . 4 8% . 4 8% .	Cont Late Activa dum 0 dum 0 d	45 40 10 1 10 1 10 10 1 10 1 1		
le Asses	sament Overview		Project Nar 10 hrstorye Hoject 40 fabler Project Ack Imagistion Project Ackes (Imagistion Project) Ackes (Imagistion Pro Allance Farle) Hisgation Ackes + Actometed 2011	ng nga (jat) njat) n	Masing Lagit 6.8% 7.8% 7.8% 7.8% 7.8% 7.8% 7.8% 7.8% 7	Napativi Lapa 7.76 7.75 7.75 7.75 7.75 7.75 7.75	Lap 105 105 105 105 105 105 105	6m (ap) 6m 6m 6m 6m 6m 6m	F3.84. 52.75 52.75 52.75 52.75 52.75 52.75 52.75 52.75 52.75	Hard Contrain 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	s Soft Consults R 6.0 R 6.0	b Large Floet A 6-05 A 6-05 A 7-75 A 72-75 A 6-05 A 72-75 A 6-05 A 7-05 A 7-0	Negative Plant La 6.0% 0.0% 0.0% 0.0% 0.0%	ege Durations Inna 6.05	14 Progress Tensource ; 6 00   6 0   7 0	Cent Luns Activit dans C dans 199 dans C dans C dan	10 10 10 10 10 10 10 10 10 10 10 10 10 1		
le Asses	siment Overvlew		Project Nar 10 Annange Anject 40 Tablet Project Acti tablet Project Acti tablet Project Atalac Project Atalance Paral Integration Anatale - Antoneous Syst Bachen, Tit - Onton Van Bachen, Tit - Onton Van	Ne Nga Qat Digat In Digat Digat In Digat D	Missing Lager dam dam dam dam dam dam dam dam dam dam	Napalini Lupa 7.7% 7.7% 7.7% 7.7% 7.7% 7.7% 6.5% 6.5%	Lajs 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0	Long Lago 6.05 6.05 6.05 6.05 6.05 6.05 6.05 6.05	F3.84. 52.75 52.75 73.85 52.75	Hard Contrain 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5	Soft Company     K     6.0     K     K     6.0     K	Large Float           K         6.0%           K         6.0%           K         6.0%           K         72.7%           K         6.0%	Negatis Piet U 6 m 6 m 6 m 6 m 6 m 6 m 6 m 6 m 6 m 6 m	ege Durations Inna 6.05	d Popes Resource ; 6 (R) 6 (	Cest Leer Active dam Cest cam	N HO R · · · R · · R · R · R · R · R		
le Asses	smert Overview		Project Naz 10 Francy & Fojact 40 Table Fright Act Table Fright Act may store Fright Act and Act and Act and Act and Act and Act and Act and A	ne nga Upt Digat Inn Innana Nark Inn Innana Nark Inn Inna Nark	Missing Light 0.05 7.75 1.55 0.05 0.05 0.05 0.05 0.05 0.05 0.0	Negative Lapp 7.7% 7.7% 14.2% 7.7% 14.2% 7.7% 6.2% 6.2% 6.2% 6.2%	Laps 0.0%	Long Laps 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	516. 928 928 928 928 928 928 928 928 928 928	Hard Contraine 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	s Set Carryint	Large Float           K         6.0%           K         6.0%           K         6.0%           K         72.7%           K         6.0%	Negative Fixed Cons Cons Cons Cons Cons Cons Cons Cons	en (verliss en ) en ) en ) en ) en ) en ) en ) en )	Angeneres	Cerr Lerr Active 0.15, 0 0.15, 0 0 0.15, 0 0 0.15, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HC         HC           HL         -		
le Asses	smert Overview		Project Nar 10 Protocya Project AC Table Project Activitazione Project Acada (Strangeness Project Acada (Strangeness) Stra Eastean, TS - Online Vali Eastean, TS - Online Vali Eastean, TS - Nethel Cos Eastean - Nether Oc	free fright dest dest dest dest dest dest dest des	40.000 (a)00 4.000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7	Noyutin Lago 7.76 7.75 7.75 7.75 7.75 7.75 7.75 7.75	Laps 6.0% 9.0% 9.0% 9.0% 9.0% 9.0% 9.0% 9.0% 9	Long Laps 6.05 6.05 6.05 6.05 6.05 6.05 6.05 6.05	516. 52.8 52.8 52.8 52.8 52.8 52.8 52.8 52.	Hard Contrains 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	s Set Castraint k 62 k 62	Large Plant           0         0.0%           0         0.0%           0         7.7%           0         72.7%           0         0.0%           0         0.0%           0         0.0%           0         0.0%           0         0.0%           0         0.0%           0         0.0%	Negatin Fluid 4 dim 4 dim 5 dim 6 dim 6 di	app Durations (and B.R. B.R. B.R. B.R. B.R. C.R. C.R. C.R. C.R. C.R. C.R. C.R. C.R.	Angens     Ansecto     Ans     An	Cert Lere Active 0.05 000 0.05 0000000000	80         4           1         -           1         -           1         -           1         -           1         -           1         -           1         -           1         -           1         -           1         -           1         -           1         -		
le Asses	smert Overview		Project Nat 10 Protopy Repair A Tatalon Proper ACM Integration Project Alasta Protopy Andrée Alastano Branis Integration Anatala - Antonemed Juri Bautan, The Johnson Juri Bautan, The Antonemed Juri Bautan, The Antonemed Juri Bautanghen - Nuchair Ou Cash Ree B Project	ng I	40.000 (July 1 4.000 ( 4.000 ( 4.000))))))))))))))))))))))))))))))))))	Regular Lap 7.75 7.75 7.75 7.75 7.75 7.75 7.75 7.7	Laps 6.0% 6.0% 9.0% 9.0% 9.0% 9.0% 9.0% 9.0%	Lonj Lojs 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	F3 bit. SUR SUR SUR SUR SUR SUR SUR SUR SUR SUR	Hard Contraint 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7	Soft Complete           N         6.07	Large Plant     Con     C	Negatis Flat         L           -0.0         -           -0.0         -           -0.0         -           -0.0         -           -0.0         -           -0.0         -           -0.0         -           -0.0         -           -0.0         -           -0.0         -           -0.0         -           -0.0         -           -0.0         -           -0.0         -           -0.0         -           -0.0         -           -0.0         -           -0.0         -	epp Dordines - Head 4 m 4 m 4 m 4 m 4 m 4 m 4 m 4 m	A Popular Sector	Cost Law Active 0.01 0 0.01	n 80		
le Asses	sment Overview		Project Nar 10 hransys Project 40 fatter Project Addit Imageland Project Addit Imageland Project Addit Imageland Project Addit Imageland Project Anadas - Antonened Syst Basten, Tit - Ontoe Yau Basten, Tit - Ontoe Yau Basten, Tit - Intel Chu Chun Tree Ji Project Chun Tree Ji Project	ng 1 nga 1 khti Angat 1 nga Stork Qa nga Stork Qa nga Stork	Casing Lage Case	Negative Lapo 7,75 7,75 7,75 7,75 7,75 7,75 7,75 7,7	Laps 4.05 4.05 4.05 4.05 4.05 4.05 4.05 4.05	Long Long 6.05 6.05 6.05 6.05 6.05 6.05 6.05 6.05	F3 84. 52 78 52 78 52 57 78 57 57 57 57 57 57 57 57 57 57 57 57 57	Hard Convention 6 20 6 20 6 20 6 20 6 20 6 20 6 20 6 20	Soft Convolution           N         6.07	Large Flort           k         -0.0	Negatis Pitat C C C C C C C C C C C C C C C C C	ept Dordies. Incl 6 m 6 m 6 m 6 m 6 m 6 m 6 m 6 m	Horses         Lesses           6.0         -           6.0         -           6.0         -           6.0         -           6.0         -           6.0         -           6.0         -           6.0         -           6.0         -           6.0         -           6.0         -           6.0         -	Cast Las Action 0.05 000 0.05 0000000000000000000000000000000000	n 80 1		
le Asses	sament Overview		Project Nar 10 Frances Aujac Of Tables Project Acti Tables Project Acti Tables Project Acti Tables Project Actiants Annument Scott Augustoth Valdedapase A Alastes Articl Integration Actation A Annument Scott Bactergine - Nackar O Bactergine - Nackar O Control - State Office Relief Control - State Office Relief Control - Nackar Office Relief Control - Nackar Office Annument Acta State Control - Nackar Office Annument Acta State Control - Nackar Office Annument Acta State Control - Nackar Office Annument Acta State Annument Acta State Acta State Acta State Acta State Acta State Acta	ng 1 Iget 1 Popul 1 Popul 1 Iget 10 4 Ige 10 4 I	Varing Light 0 m 0 m 1 m 0 m 0 m 0 m 0 m 0 m 0 m 0 m 0	Negatist Laps 7,75 7,75 7,75 7,75 7,75 7,75 7,75 7,7	Laps 0 dm 0 dm	Long Lope 6.05 6.05 6.05 6.05 6.05 6.05 6.05 6.05	63 kd. 52 m 32 m 32 m 32 m 32 m 32 m 32 m 32 m 3	Hard Contraint 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	Soft Convention           K         6.0	Large Floit           6         6.0%           6         7.7%           6         7.7%           6         7.7%           6         7.7%           6         6.0%	Negative Plant & U 6 20 1 6 40	egr Dordins - Und 6 M	Horses         Horses           0.0         -           0.0         -           0.0         -           0.0         -           0.0         -           0.0         -           0.0         -           0.0         -           0.0         -           0.0         -           0.0         -           0.0         -           0.0         -           0.0         -           0.0         -           0.0         -           0.0         -           0.0         -	Cost Los Action 6.15 00 2.15 00 2.15 00 0.15 000 0.15 00 0.15 00 0.15 00 0.15 00 0.15 00 0.15 00 0.1	n bij a a a a a a b a a a a b a a a a b a a a a a b a a a a a b a a a a a a b a a a a a a a b a a a a a a a a b a a a a a a a a b a a a a a a a a a a a b a a a a a a a a a a a a a a a a a a a		
le Asses	ssment Overview		Philipics Nam 20 Phinase philipics 20 Tanian Philipics 20 Tanian 20 T	nga ngga (set) Angan) pagang tangang litya tangang litya (bga mga (bga mga (bga mga (bga mga)	Kating Logic dim dim dim dim dim dim dim dim dim dim	Negative Lapa 7.7% 7.7% 7.7% 7.7% 7.7% 7.7% 7.7% 7.7	Lap d.m. d	Long Lopp 62% 62% 62% 62% 62% 62% 62% 62% 62% 62%	5114 52.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 9	Hard Centrain 6 2 6 2 6 2 6 2 6 2 6 2 6 2 6 2 6 2 6 2	Soft Contraint           K         427           K         428	Large Field           k         -6 das           k         -9 das	Nephile Fluid U 60% - 60% -	argi Quetica Unaj 0.03	Fingers         Essands           6.00         -           6.00	Carr         Law Article           6.0%         6.0%           6.0%         6.0%           6.0%         6.0%           6.0%         6.0%           6.0%         6.0%           6.0%         6.0%           6.0%         6.0%           6.0%         6.0%           6.0%         6.0%           6.0%         6.0%           6.0%         6.0%           6.0%         6.0%           6.0%         6.0%           6.0%         6.0%           6.0%         6.0%           6.0%         6.0%           6.0%         6.0%           6.0%         6.0%           6.0%         6.0%	n bio constants and the second		
le Asses	sament Overview		Peoplet Nat Schartunge Hujset All Teatre People All Teatre People All Teatre People All Teatre People All Teatre People All Teatre People Schart - Annerset Dan Bacters, Th - Entral Da Bacters, Th - Entral Da Company Company Data Schart Company Data Schart Company Data Schart Company Data Schart Company Data Schart Company	ng I Nga I N	Mining Lager 688 748 748 748 748 748 748 748 748 748 7	Negative Lago 7,7% 7,7% 7,7% 7,7% 7,7% 7,7% 7,7% 7,7	Lajs 0.0%	Long Logi 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75	63 kd. 82.8 82.8 82.8 82.8 70.7 82.8 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7	Hard Contraint 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	Sub Controller           Sub Controller           K         6.07           R         0.02	Large Floot           5         2-5%           6         2-5%           6         2-7%           7         5-7%           8         2-7%           8         2-7%           8         2-7%           8         2-7%           8         2-7%           8         2-7%           8         2-7%           8         2-7%           8         2-7%	Negetie Piot 6 (5) 6 (5)	argi Quedicas de las dem	Property         Property           Em         -	Cod         Lan Action           600         0           601         0           601         0           602         0           603         0           604         0           605         0           606         0           607         0           608         0	HO         I           R         I         I		
le Asses	usment Overvlew		Ридест Как 10 Литегора Роции 14 Такан Лиции 14 Лиции	не   1934 (скл лицас) на почиса Шок. Ца иза кон кон кон кон кон кон кон кон кон кон	Kanag Lagar 685 707 707 707 707 707 707 707 707 707 70	Keptik Lipi 2.25 2.25 2.25 2.25 2.25 2.25 2.25 2.2	Lajs 0.0%	Long Lap 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	63 kd. 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.	Hard Contrains 6 2 6 2 6 2 6 2 6 2 6 2 6 2 6 2 6 2 6 2	Sak Company           N         6.05           R         6.05	Lange Flied         Carse           6	Number         Line           0.01         0.01           0.01         0.01           0.01         0.01           0.01         0.01           0.01         0.01           0.01         0.01           0.01         0.01           0.01         0.01           0.01         0.01           0.01         0.01           0.01         0.01           0.01         0.01           0.01         0.01           0.01         0.01           0.01         0.01	ang Duntions i lengi dus i dus	Margania         Accounts           646         -           646         -           646         -           646         -           646         -           646         -           646         -           646         -           646         -           647         -           648         -	Cont         Line Action           600         600	BD         I           R         I         I           R         I         I           R         I         I           R         I         I           R         I         I           R         I         I           R         I         I           R         I         I           R         I         I           R         I         I           R         I         I           R         I         I           R         I         I		
ale Asses	Summer Overview		Anjact Nat 10 Anaropa Anjaci 40 Tataro Anjaci 40 Tataro Hugari Atsila (Inney Link) Algorithm Kuldi Acano Manan Shrail Inney Alia Manan Shrail Inney Alia Manan Shrail Inney Manan Anaroli Anjaci Manan Anaroli Alia Manan Androne Angeno Diatana Andro Manan Andro Manan Andro Manan Angeno Manan Angeno Manan Angeno Manan Angeno Mana	ng 1 nga 1 N	Maning Lager d M 0 M 100 100 100 100 100 100 100 10	Copulse Lop 7.75 7.75 7.75 7.75 7.75 7.75 7.75 7.7	Lap 4.6% 4	Long Lop 6.05 6.05 6.05 6.05 6.05 6.05 6.05 6.05	F) 165 N2R N2R N2R N2R N2R N2R N2R N2R N2R N2R	Hard Centrains 6	Sak Computer           R         620	Logal Field           L         0.05,           A         0.05,           B         0.05,           A         0.05,           B         0.05,           A         0.05,	Negativa Piart / L 4.0% / 4.0\% / 4.0	arp Durties i ing 0.05 i 0.05 i 0.0	Parameter           0.00	Cont         List Action           6 m         0         0           8 m         0         0           8 m         0         0           8 m         0         0           8 m         0         0           8 m         0         0           8 m         0         0           8 m         0         0           8 m         0         0           8 m         0         0           8 m         0         0           8 m         0         0           8 m         0         0           8 m         0         0           8 m         0         0           9 m         0         0	HO         I           R         I         I		

Figure 30: Project Health Assessment Dashboard -Project Worksheet
	jeet meatin - A	openanterne								Data Visualize	Present						<b>1</b> 20 C		
Portfolio Na Al	me Project All	t Name																	0
Select Varia	able to Update: (j	long_Lags_hr ∖		Update															
Nedule Assess	ument Settings																		
Musing Logic (N) <	Negative Lags (N)	Lags (NI <	Long Lags (hours) >	Long Lags (N) <	PS Relationships (ND )	Hard C	onstraints (N	5 Suff Co	anstraints (N) <	Large Float (hours) >	Large Post	N Negative	Float (N)	Large Durations (hours) >	Large Durations (N)	Invalid Progress (NI <	Resource / Cost (N	Late Activities (N) <	80 (N) >
1.0%	1.05	5.05	162	5.05	90.0%	1.0%		5.05		852	1.0%	1.0%		152	1.05	1.05	1.05	5.05	95.05
vdule Assess	ument Overview		Artista North		Musine Logic Neuro	ether Lass	Lass 14	ing Lags	Fi fati. Here	d Corregions Sub	Complete Law	· Fost News	the Float	Later Durations	valid Proteins Record	te / Cest Late Anti	vities 80		
edule Assess	ument Querview	14 fatter	Activity Nam Darger Annual Pd		Missing Logic Nega	ethe Laps	Laga La O.OK	erg Lags Erk	PS Ref. Hard	d Contraints Soft	Contraints Lar	e Post Nepr	the Float	Large Durations In 6 m	alid Progress Resour	te / Cost Late Act	Allies BD 4 AN 146 AN A		
edule Assess	ument Overview	14 James 14 James	Activity Nam Dranger Annual PM Dranger Hang Chan	e shtu	Missing Logic Nega	0.05	Lign Li ons ons	eng Laga e.m. e.m.	PS Ref. Hard	d Contracions Soft e.m. e.m.	Controlints Lar 100 DK	e Post Nega	the Float	Large Durations In 6.01 6.02	east fragress Resour	in / Cost Lune Acti 6.05 6.05	40% 100 × 40		
edule Assess	ument, Overview	14 January 14 January 14 January 14 January	Activity Nam Drarger Annual PH Drarger Hang Diso Drarger Hansse Dis Drarger Hanser Dis	e ance anter anteros	Missing Lapit Negr E.W. E.W. E.W.	0m Laps 0.m 0.m 0.m	0.0% C	0.0% 0.0% 0.0% 0.0%	P3 Ref. Hard 190.0% 190.0% 190.0%	d Contraints Soft 6.0% 6.0% 6.0%	Contrainty Law 100.0% 100.0%	e Poat Nega	tive Float	Large Durations III 4.0% 4.0% 4.0%	4.05 Assources A	to / Cost Late Acti 6-IN 6-IN 6-IN 6-IN 6-IN	100 100 100 100 100 100 100 100 100 100		
edule Assess	ument Overview	UA James 1A James 1A James 1A James 1A James	Activity Nam Drarger Annual PM Drarger Hang Clean Drarger Refeate Dis Drarger Replace Ots g Rump Hang Clean	e atos antes sates Componento atos	Missing Logic Nega 6.0K 6 6.0K 6 6.0K 6 6.0K 6 6.0K 6	100 Laps 0.05 0.05 0.05 0.05 0.05	Laps La 0.05 - 0.05 - 0.05 - 0.05 -	0.0% 0.0% 0.0% 0.0% 0.0%	P) 5x6. Mark 140.0% -	4 Contraints - Soft 4 456 - 4 4 456	Compaints Law 146.0% 100.0% 160.0% 160.0%	e Float Nega	the Post	Large Durations   II 0.0%   0.0%	Aald Progress Resour 4.8% 4.8% 4.8% 4.8%	Ce / Cost Late Act 6-76 6-76 6-76 6-76 6-76 6-76	10065 BD 6.05 306.05 4 6.05 306.05 6.05 0.05 6.05		
edule Assess	iment Querview	DA Bartony DA Bartony DA Bartony DA Bartony DA Dango DA Chargo	Activity Nam Diarger Annual PJ Diarger Hang Diary Diarger Rasiasa Dia Diarger Rasiasa Dia Diarger Rasiasa Dia giPungi Vator Inge	e alta alanca altas Componento altas altas	Missing Logic Vinge 6.0% 6 6.0% 6 6 6.0% 6 6 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	604 Lapa 8.85 8.85 8.85 8.85 8.85 8.85	Laps La 0.3% - 0.3% - 0.5% - 0.5% - 0.5% -	0.05 0.05 0.05 0.05 0.05 0.05	P3 Sol. Nov 140 JK - 190 JK - 190 JK - 190 JK - 190 JK -	6 Connains Saft 6 45% 6 6 45% 6 6 5% 6 7% 6 7% 7 7% 7 7% 7 7% 7 7% 7 7% 7 7	Contraints Lay 146.05 160.05 166.05 166.05 166.05	e Float Nega	tins Float	Large Durations   10 0.05   0.05	43K 4350/ 43K 4350/ 43K 43K 4350/ 43K 43K 4350	Ce / Cost Late Act 6-05 6-05 6-05 6-05 6-05 6-05 6-05	100 100 100 100 100 100 100 100 100 100		
odule Assess	ument Overvlew	14 Battery 14 Battery 14 Battery 16 Darge 14 Darge 14 Darge	Activity Nam Desper Annuel PM Desper Hang Dears Desper Release De Desper Reprise Des g. Pump Hong Dears g. Pump Hong Dear Inse g. Pump Holesce De	e ance annos annos annos annos annos annos annos annos annos	Missing Lagiz Nega 6 ans 6 ans 7 ans 6 ans 7 an	4.m 4.m 4.m 4.m 4.m 4.m 4.m	Laps La 0.8% / 0.8% / 0.8% / 0.8% / 0.8% /	0.8% 0.8% 0.9% 0.9% 0.9% 0.9% 0.9%	P5 Ind. Mark Hol IX 2 100 IX 2 100 IX 2 100 IX 2 100 IX 2 100 IX 2	4 Compains Soft 4 KK 4 4 KK 4	Contraints Lay 146,0X 0.00 0.00 146,0X 146,0X 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	e Float Nega 108.0%	0.0% 0.0%	Large Durations III 4.0%   4.0%   4.0%   4.0%   4.0%   4.0%   4.0%	Aulid Progress Resource 4.8% 4.8% 4.8% 4.8% 4.8% 4.8% 4.8% 4.8%	00 / Cost Univ Acti 0.05 0.0	BEE         BEE           6.0%         396.0%         A           6.0%         396.0%         A           6.0%         396.0%         A           6.0%         6.0%         A           6.0%         6.0%         A		
odule Assess	ument Overview	14 Battery 14 Battery 14 Battery 14 Despo 14 Osepo 14 Osepo 14 Osepo	Activity Nam Desper Annuel PM Desper Heng Dears Desper Release De Desper Release De g. Pump Heng Dears g. Pump Heng Dears g. Pump Release De g. Pump Release.	N Inter Internet Inte	Masing Lagic Nega D-RK - 	000 Leps 0.05 0.05 0.05 0.05 0.05 0.05 0.05	4 m 4 m 4 m 4 m 4 m 4 m 4 m 4 m 4 m 4 m	4/5 4/5 4/5 4/5 4/5 4/5 4/5 4/5 4/5 4/5	P5 8x6. Hart 140 8X 1 100 8X 1 100 8X 1 100 8X 1 100 8X 1 100 8X 1 100 8X 1	Companies Safi Care and Safi C	Contraints Lay 196,05 196,05 196,05 196,05 196,05 196,05 196,05 196,05	e Picet Nega 100.0% 100.0% 100.0%	0.05 Float	Large Durations 0 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	Analid Progress Resource 4.000	64 / Cest Luna Acti 64% - 64% - 64% - 64% - 64% - 64% - 64% -	NT (S ) (C )		
edule Assess	ument Overview	14 Battery 16 Battery 18 Battery 18 Darge 18 Darge 18 Darge 18 Darge 18 Darge	Activity Nam Desige: Annual Pd Desige: Annual Pd Desige: Relace De Desige: Relace De g Pump Relace De g Pump Release De g Pump Relace De g Pump Relace.	e anan ananos ananos anan anan anan anan	Missing Logic Naga 6.05	48 48 48 48 48 48 48 48 48 48	Lups 10 0.05 1 0.05 1 0.05 1 0.05 1 0.05 1 0.05 1 0.05 1	4,8 4,8 4,8 4,8 4,8 4,8 4,8 4,8 4,8 4,8	P5 fail. Ran BBJW   BBJW   190 JW	Company Set 6.05 6.05 6.05 6.05 6.05 6.05 6.05 6.05	Contruints Lay 196.0N 196.0N 196.0N 196.0N 196.0N 196.0N 196.0N	196.0% Nopel	4.6 4.6 4.6 4.6 4.6 4.6 4.6	Large Durations 60 4.0% 4.0% 4.0% 4.0% 4.0% 4.0% 4.0% 4.0% 4.0%	Notice         Tasket           4.8K         -	07 / Cent Lane Action 0.0% / Cent Action 0.0	4.000 ED 4.000 Velocity a 0.000 Velocity a 4.000 Velocity 4.000 Velocity		
Hedule Assess	umant Overview	14 Battery 15 Battery 16 Battery 16 Charge 16 Charge 16 Charge 16 Charge 16 Charge 16 Charge 16 Charge	Activity Nam Desige: Annual Pel Desige: Marg Clear Desige: Replace On g Pump Replace On g Pump Namp Clear g Pump Release On g Pump Replace g Pump Replace g Pump Col Sample A	e ence estros estes Componento este esten Pip estros estros estros estros	Missing Lapic 0.8% 0.8	400 Lap 400 400 400	Lups U 6.85 - 6.85 -	4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8	F) Set. Rev 146 0K 960 0K 960 0K 960 0K 960 0K 960 0K 960 0K 960 0K 960 0K	4 Conversion 544 648 8 648 8	Compains Lay 1980-000 1980-000 1980-000 1986-000 1986-000 1986-000 1986-000 1986-000 1986-000	n Flout Nega Held 25 Held 25 H	44 Fluit 448 448 448 448 448	Large Durations 40 40% 40% 40% 40% 40% 40% 40% 4	Note of Progress         Lessen           4.8K         -	01 / Cont Luna ACS 0.05 / Cont Luna ACS 0.05 / Cont Cont Cont Cont Cont Cont Cont Cont	NTES 80 63N 346/8 4 63N 346/8 6 63N 346/8 64N 546/8 64N 64N 64N 64N 64N 64N 64N 64N 64N 64N 64N 64N		
odule Assess	ument Querview	14. Battery 15. Battery 16. Battery 16. Darps 16. Darps 16. Darps 16. Darps 16. Darps 16. Darps 16. Darps 16. Darps 16. Darps 16. Darps	Activity Nam Dranger: Annual PM Dranger: Hang Clean Dranger: Halvas Clean Dranger: Halvas Clean g Pump: Hang Clean g Pump: Halvas Clean g Pump: Halvas Clean g Pump: Del Sample g Pump: Del Sample A nam: Costog Water In	e ance astrace astrace Components ance astrace PP astrace analysis hadysis mat Eschanger	Mising Lapic Magn 6.05	0.00 Lapa 0.00 L	Lipi U 6.05   6.05	635 638 638 638 638 638 638 638 638 638 638	F3.Ec. Part 140.0% - 100.0% - 190.0% - 190.0% - 190.0% - 190.0% - 190.0% - 190.0% -	4 Convoints 524 6.0% 5 6.0%	Camains Lay 196.0% 196.0% 0.0% 196.0% 196.0% 196.0% 196.0% 196.0% 196.0%	e Finat Negar 100.0% 100.0% 100.0% 100.0% 100.0%	4.8 Feet 4.8 4 4.8 4 4.8 4 4.8 4 4.8 4 4.8 4 8 4 8 4 8 4 8 4 8 4 8 4 8 4 8 4 8 4	Large Curutions 0 10	add hignes - Resid 6.8	10 / Cest Lum Action 6.04	NUTURE DEC) 4 000, 10 00, 00 4 000, 10 00, 00 4 000, 10 0, 00 4 000, 10 0, 00 4 000, 10 0, 00 4 000, 10 4 000, 100		
edule Assess	ument Querview	14. Battery 14. Battery 14. Battery 14. Darps 14. Darps	Activity Nam Charger Annual Pil Charger Hang Charp Charger Hange Charp Charger Hapters Or g Forty Hamas Char g Forty Hamas Char g Forty Hamas Char g Forty Annua Again g Forty Charger g Forty Charger g Forty Charger g Forty Charger g Forty Charger g Forty Charger and Charge Ham P	e entes entros entes Componento entes ente	Missing Lapid 0.03 0.0	0.00 Lapa 0.00 L	Lipi U 6.05 ( 6.05 (	6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	F3.Ec. Part 140.0% - 100.0% - 100.0% - 100.0% - 100.0% - 100.0% - 100.0% - 100.0% - 100.0% -	Company Sch 600 - 1 600 - 1	Cantralista 1940-00 994-00 994-00 1940-00 1940-00 994-00 1940-00 1940-00 1940-00 1940-00 1940-00	R Finat Nogar 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%	4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8	Larga Durations & la 0.03 ( 0.03 (	Add Fignes & Residu 4.88   4.88   4.88   4.88   4.88   4.88   4.88   4.88   4.88   4.88	44 / Cest Luca Acts 6484   6484   6485   6485	000005 BD 40% V960% = 40% V960% = 40% V960% 40% V960% 40% V960% 40% 40% 40% 40% 40% 40% 40% 40% 40% 4		
edule Assess	ument Overvlew	13 Battery 14 Battery 18 Battery 18 Battery 18 Darge 18 Darge 19 D	Activity Nam Despire Annual PM Despire Interfaces Despire Interfaces Despire Interfaces Despire Interfaces of Annue Despire of Annue Despire Annue Despi	e ener ener ener All ener All ener All ener ener All ener ener ener ener ener ener ener en	Maning Lapic         Barge           0.05         -	48 Lipi 48 48 48 48 48 48 48 48 48 48 48 48 48 48 48 48 48 48	405 4 405 400 400 400 400 400 400 400 400000000	435 435 435 435 435 435 435 435 435 435	P. S.A. Rep 100 JN 1 100 JN 1	Contains 144 645 (2) 645 (2) 6	Contrains Lay 348.85 348.95 348.95 348.95 348.95 348.95 348.95 348.95 348.95 348.95 349.95	R Float Nope 100.055 1 100.05 1 1	4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8	Large Durations & la 4 000 4 4 000 4	Approx         Approx           E.M.	02 / Cest Lans A.55 2.05 2.05 2.05 2.05 2.05 2.05 2.05 2	Matters         BED           4.0%         Matters         a           4.0%         Matters         a           0.0%         Matters         a		
hedule Assess	unent Ovendew	14 Janes 14 Janes 14 Janes 14 Janes 14 Deep 14	Activity Nam Despire Annual PM Conspire Heards Charac Despire Heards Charac Despire Heards Charac Despire Heards Charac Annual Annual Charac Annual Annual Charac Annual Charactor Annual Charact	e anna anna anna anna anna anna anna an	Maing Lapi BM - BM -	48 48 48 48 48 48 48 48 48 48 48 48 48 4	Lups L GN - GN -	635 635 635 635 635 635 635 635 635 635	P. S.A. Rep BRC 100 0000 0 10000 0	d Gamains Jah 648 6 648	Contraints Lay 346 m 346 m	R Float   Nope 100.05.   100.05.   100.05	48 Field 48 48 48 48 48 48 48 48 48 48 48 48 48	400 Devotions 40 408 - 408 - 4	abi highes Sasar 164 - 164 -	0 (Con Landaca 64% 64% 64% 64% 64% 64% 64% 64% 64% 64%	Million         BC         4           6.0%         3.06.0%         4           6.0%         3.06.0%         6           6.0%         3.06.0%         6           6.0%         6.0%         6           6.0%         6.0%         6           6.0%         6         7.06.0%           6.0%         6         7.06.0%           6.0%         9.0%         6           6.0%         9.0%         6           6.0%         9.0%         6		
hedule Assess	unant Ovendew	14 Barray 14 Barray 14 Barray 14 Barray 14 Darpe 14 Darpe 14 Darpe 14 Darpe 14 Darpe 14 Darpe 14 Darpe 14 Darpe 14 Darpe 15 Darpe 16 Darpe	Activity Name Cargor Annual PAI Despire Hang Care Despire Hang Care Despire Hang Care ga Army Motor Huge g Army Motor Huge g Army Motor Huge g Army Di Sampi A g Army Di Sampi A and Carel ga Hang Na Arman Arman	e anna surara sura su	400 (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	201 Lap 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8	Lups 2 0.05 ( 0.05 (	633 633 633 633 633 633 633 633 633 633	73         Ball, N.         Harrison           140         IA         IA           140         IA         IA	Constant Bak Bak Bak Bak Bak Bak Bak Bak Bak Bak	Controlling Sectors Based B	Nillian Nigar Nillian Nillian Nillian Nillian	4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8	Langt Durations 5 1 1 4 4 1 4 4 4 1 4 4 4 1 4 4 4 4 4 4 4 4 4		(a) Carl         Las Activ           106	Mitters         BC/J           6.0K         3.06.0K         6.0K           0.0K         1.06.0K         6.0K		

Figure 31: Project Health Assessment Dashboard -Activity Worksheet

Canvas	Dimension / Attribute	Is Calculated Field	Subject Area / Dataset
Assessment	Portfolio Name	No	P6 – Activity
Project Worksheet	Project Name	No	P6 – Activity
Activity Worksheet	Activity Name	No	P6 – Activity
All Canvas	Missing Logic (%)	Yes	P6 – Activity
All Canvas	Negative Lags (%) <	Yes	P6 – Activity
All Canvas	Lags (%) <	Yes	P6 – Activity
All Canvas	Long Lags (hours) >	Yes	P6 – Activity
All Canvas	Long Lags (%) <	Yes	P6 – Activity
All Canvas	FS Relationships (%) >	Yes	P6 – Activity
All Canvas	Hard Constraints (%) <	Yes	P6 – Activity
All Canvas	Soft Constraints (%) <	Yes	P6 – Activity
All Canvas	Large Float (hours) >	Yes	P6 – Activity

## Table 41: Project Health Assessment - Dimensions

Canvas	Dimension / Attribute	Is Calculated Field	Subject Area / Dataset
All Canvas	Large Float (%) <	Yes	P6 – Activity
All Canvas	Negative Float (%) <	Yes	P6 – Activity
All Canvas	Large Durations (hours) >	Yes	P6 – Activity
All Canvas	Large Durations (%) <	Yes	P6 – Activity
All Canvas	Invalid Progress (%) <	Yes	P6 – Activity
All Canvas	Resource / Cost (%) <	Yes	P6 – Activity
All Canvas	Late Activiites (%) <	Yes	P6 – Activity
All Canvas	BEI (%) >	Yes	P6 – Activity

## Table 42: Project Health Assessment – Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
All Canvas	Missing Logic	Calculated from Fact	P6 – Activity
All Canvas	Negative Lags	Calculated from Fact	P6 – Activity
All Canvas	Lags	Calculated from Fact	P6 – Activity
All Canvas	Long Lags	Calculated from Fact	P6 – Activity
All Canvas	FS Rel.	Calculated from Fact	P6 – Activity
All Canvas	Hard Constraints	Calculated from Fact	P6 – Activity
All Canvas	Soft Constraints	Calculated from Fact	P6 – Activity
All Canvas	Large Float	Calculated from Fact	P6 – Activity
All Canvas	Negative Float	Calculated from Fact	P6 – Activity
All Canvas	Large Durations	Calculated from Fact	P6 – Activity
All Canvas	Invalid Progress	Calculated from Fact	P6 – Activity
All Canvas	Resource / Cost	Calculated from Fact	P6 – Activity
All Canvas	Lat Activities	Calculated from Fact	P6 – Activity
All Canvas	BEI	Calculated from Fact	P6 – Activity

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
All Canvas	Dashboard	No	Portfolio Name	P6 – Activity
Assessment	Dashboard	No	Project Owner	P6 – Activity
Project Nano	Dashboard	No	Project Name	P6 – Activity

## Table 43: Project Health Assessment – Filters

## Table 44: Shutdown / Turnaround / Outage – Calculated Members

Calculated Member	Expression	Source	Subject Area / Dataset
Missing Logic	<pre>FILTER("Primavera - Activity"."Metrics"."# of Activities" USING "Primavera - Activity"."Relationships - (Activity)"."Type" = 'orphan')/"Primavera - Activity"."Metrics"."# of Activities"</pre>	Derived from Fact	P6 - Activity

Calculated Member	Expression	Source	Subject Area / Dataset
Negative Lags	<pre>IFNULL( FILTER( "Primavera - Activity"."Metrics"."# of Activities" USING ( ("Primavera - Activity"."Relationships - (Activity)"."Lag" &lt; 0.0) AND ("Primavera - Activity"."Relationships - (Activity)"."Predecessor Activity Id" IS NOT NULL) AND ("Primavera - Activity"."General - (Activity)"."Activity Status" IN ('In Progress','Not Started')) ) ) / FILTER( "Primavera - Activity"."Metrics"."# of Activities" USING ( "Primavera - Activity"."General - (Activity)"."Activity Status" IN ('In Progress','Not Started') ) ), 0.0)</pre>	Derived from Fact	P6 - Activity

Calculated Member	Expression	Source	Subject Area / Dataset
Lags	<pre>IFNULL( FILTER( "Primavera - Activity"."Metrics"."# of Activities" USING ( ("Primavera - Activity"."Relationships - (Activity)"."Lag" &gt; 0.0) AND ("Primavera - Activity"."Relationships - (Activity)"."Predecessor Activity Id" IS NOT NULL) AND ("Primavera - Activity"."General - (Activity)"."Activity Status" &lt;&gt;'Completed') ) ) / FILTER( "Primavera - Activity"."Metrics"."# of Activities" USING ( "Primavera - Activity"."General - (Activity)"."Activity Status" IN ('In Progress','Not Started') ) ), 0.0)</pre>	Derived from Fact	

Calculated Member	Expression	Source	Subject Area / Dataset
Long Lags	<pre>IFNULL( FILTER( "Primavera - Activity"."Metrics"."# of Activities" USING ( ("Primavera - Activity"."Relationships - (Activity)"."Lag" &gt; CAST('@{Long_Lags_hr}{35 2}' AS double)) AND ("Primavera - Activity"."Relationships - (Activity)"."Predecessor Activity Id" IS NOT NULL) AND ("Primavera - Activity"."General - (Activity)"."Activity Status" &lt;&gt;'Completed') ) ) / FILTER( "Primavera - Activity"."Metrics"."# of Activities" USING ( "Primavera - Activity"."General - (Activity)"."Activity Status" ING ('In Progress','Not Started') ) ), 0.0)</pre>	Derived from Fact	P6 - Activity

Calculated Member	Expression	Source	Subject Area / Dataset
FS Rel.	<pre>(FILTER("Primavera - Activity"."Metrics"."# of Activities" USING (("Primavera - Activity"."Relationships - (Activity)"."Predecessor Activity Id" IS NOT NULL) AND ("Primavera - Activity"."Relationships - (Activity)"."Relationshi p Type" = 'Finish to Start')))/"Primavera - Activity"."Metrics"."# of Activities")</pre>	Derived from Fact	P6 - Activity
Hard Contraints	<pre>(FILTER("Primavera - Activity"."Metrics"."# of Activities" USING "Primavera - Activity"."General - (Activity)"."Primary Constraint Type" IN ('Mandatory Start', 'Mandatory Finish', 'Must Start On', 'Must Finish On', 'Start No Later Than', 'Finish No Later Than', 'Finish No Later Than') OR "Primavera - Activity"."General - (Activity)"."Secondary Constraint Type" IN ('Mandatory Start', 'Mandatory Finish', 'Must Start On', 'Must Finish On', 'Start No Later Than', 'Finish No Later Than'))/ "Primavera - Activity"."Metrics"."# of Activities"</pre>	Derived from Fact	P6 - Activity

Calculated Member	Expression	Source	Subject Area /
		oource	Dataset
Soft Constraints	<pre>(FILTER("Primavera - Activity"."Metrics"."# of Activities" USING IFNULL("Primavera - Activity"."General - (Activity)"."Primary Constraint Type", '') NOT IN ('Mandatory Start', 'Mandatory Finish', 'Must Start On', 'Must Finish On', 'Start No Later Than', 'Finish No Later Than', 'Finish No Later Than') OR IFNULL("Primavera - Activity"."General - (Activity)"."Secondary Constraint Type", '') NOT IN ('Mandatory Start', 'Mandatory Finish', 'Must Start On', 'Must Finish On', 'Start No Later Than', 'Finish No Later</pre>	Derived from Fact	P6 - Activity
Large Float	<pre>(IFNULL(FILTER("Primaver a - Activity"."Metrics"."# of Activities" USING "Primavera - Activity"."Durations - (Activity)"."Total Float" &gt; CAST('@{Large_Float_Hr}{ 352}' AS double)), 0.0) / FILTER("Primavera - Activity"."Metrics"."# of Activities" USING "Primavera - Activity"."General - (Activity"."Activity Status" &lt;&gt; 'Completed'))</pre>	Derived from Fact	P6 - Activity

Calculated Member	Expression	Source	Subject Area / Dataset
Negative Float	<pre>FILTER("Primavera - Activity"."Metrics"."# of Activities" USING "Primavera - Activity"."Durations - (Activity)"."Total Float" &lt; 0.0) / FILTER("Primavera - Activity"."Metrics"."# of Activities" USING "Primavera - Activity"."General - (Activity)"."Activity Status" &lt;&gt; 'Completed')</pre>	Derived from Fact	P6 - Activity
Large Durations	<pre>FILTER("Primavera - Activity"."Metrics"."# of Activities" USING "Primavera - Activity"."Durations - (Activity)"."Remaining Duration"&gt; CAST('@{Large_Durations_ Hr}{352}' AS double)) / "Primavera - Activity"."Metrics"."# of Activities"</pre>	Derived from Fact	P6 - Activity

Calculated Member	Expression	Source	Subject Area / Dataset
Invalid Progress	<pre>((CASE WHEN TIMESTAMPDIFF(SQL_TSI_DA Y, "Primavera - Activity"."Dates - (Project)"."Data Date", "Primavera - Activity"."Dates - (Activity)"."Actual Start") &gt; 0 OR TIMESTAMPDIFF(SQL_TSI_DA Y, "Primavera - Activity"."Dates - (Project)"."Data Date", "Primavera - Activity"."Dates - (Activity)"."Actual Finish") &gt; 0 THEN "Primavera - Activity"."Metrics"."# of Activities" ELSE 0.0 END)/ "Primavera - Activity"."Metrics"."# of Activity"."Metrics"."# of Activity"."Metrics"."# of Activities")</pre>	Derived from Fact	P6 - Activity
Resource / Cost	<pre>(FILTER("Primavera - Activity"."Metrics"."# of Activities" USING (("Primavera - Activity"."Expense"."Exp ense Object Id" IS NULL) AND ("Primavera - Activity"."General - (Resource)"."Resource Id" IS NULL) AND ("Primavera - Activity"."General - (Activity)"."Activity Type" in ('Task Dependend', 'Resource Dependent'))))/"Primaver a - Activity"."Metrics"."# of Activities")</pre>	Derived from Fact	P6 - Activity

Calculated Member	Expression Source		Subject Area / Dataset	
Late Activities	<pre>((CASE WHEN TIMESTAMPDIFF(SQL_TSI_HO UR, "Primavera - Activity"."Dates - (Activity)"."Baseline Project Finish", "Primavera - Activity"."Dates - (Activity"."Dates - (Activity)"."Finish") &gt; 0.0 THEN "Primavera - Activity"."Metrics"."# of Activities" ELSE 0.0 END)/ "Primavera - Activity"."Metrics"."# of Activities")</pre>	Derived from Fact	P6 - Activity	

Calculated Member	Expression	Source	Subject Area / Dataset
BEI	<pre>(FILTER("Primavera - Activity"."Metrics"."# of Activities" USING TIMESTAMPDIFF(SQL_TSI_HO UR, "Primavera - Activity"."Dates - (Activity)"."Baseline Project Finish", "Primavera - Activity"."Dates - (Project)"."Data Date") &gt;= 0 AND TIMESTAMPDIFF(SQL_TSI_HO UR, "Primavera - Activity"."Dates - (Activity)"."Baseline Project Finish", "Primavera - Activity"."Dates - (Activity)"."Actual Finish") &lt;= 0 AND ("Primavera - Activity"."General - (Activity)"."Activity Status" = 'Completed')) / FILTER("Primavera - Activities" USING "Primavera - Activity"."General - (Activity"."General - (Activity"."General - Activity"."Metrics"."# of Activities" USING "Primavera - Activity"."Activity Status" = 'Completed'))</pre>	Derived from Fact	P6 - Activity

# **Data Visualizations Using Unifier Data**

The following data visualizations have been created using Unifier data for Executives, and PMOs:

- Cash Flow Summary Dashboard (on page 85)
- Forecasted Cost Analytics Overview Dashboard (on page 91)
- Submittals Overview Dashboard (on page 92)
- Tracking Maintenance Status Dashboard (on page 97)

#### **In This Section**

Cash Flow Summary Dashboard	85
Forecasted Cost Analytics Overview Dashboard	91
Submittals Overview Dashboard	92
Tracking Maintenance Status Dashboard	97

#### **Cash Flow Summary Dashboard**

**Description:** The Cash Flow Summary dashboard provides users to see how the initial baseline compares to current baseline, actuals, and forecasts on a year to year basis.

Number of Canvases: 2

Default Canvas: Currency Type - Base

Canvas/Dashboard Name: Cash Flow Summary

Data Source(s): Unifier

Subject Area: not applicable

Datasets: Cash Flow Dataset - Base, Cash Flow Dataset - Project

#### Canvases



#### Figure 32: Cash Flow Summary - Currency Type - Base



#### Figure 33: Cash Flow Summary - Currency Type - Project

#### Table 45: Cash Flow - Dimensions

Canvas	Dimension / Attribute	Subject Area / Dataset
Currency Type - Base	Month Name	Cash Flow Dataset – Base

Canvas	Dimension / Attribute	Subject Area / Dataset
Currency Type - Base	Year Name	Cash Flow Dataset – Base
Currency Type – Project	Month Name	Cash Flow Dataset – Project
Currency Type – Project	Year Name	Cash Flow Dataset – Project

## Table 46: Cash Flow - Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Currency Type - Base	Initial Baseline (cum.)	Calculated from Fact	Cash Flow Dataset – Base
Currency Type - Base	Current Baseline (cum.)	Calculated from Fact	Cash Flow Dataset – Base
Currency Type - Base	Actuals (cum.)	Calculated from Fact	Cash Flow Dataset – Base
Currency Type - Base	Forecast (cum.)	Calculated from Fact	Cash Flow Dataset – Base
Currency Type - Base	Initial Baseline	Fact	Cash Flow Dataset – Base
Currency Type - Base	Current Baseline	Fact	Cash Flow Dataset – Base
Currency Type - Base	Actuals	Fact	Cash Flow Dataset – Base
Currency Type - Base	Forecast	Fact	Cash Flow Dataset – Base
Currency Type - Base	Initial Baseline [cum.]	Calculated from Fact	Cash Flow Dataset – Project
Currency Type - Base	Current Baseline [cum.]	Calculated from Fact	Cash Flow Dataset – Project
Currency Type - Base	Actuals [cum.]	Calculated from Fact	Cash Flow Dataset – Project
Currency Type - Base	Forecast [cum.]	Calculated from Fact	Cash Flow Dataset – Project
Currency Type - Base	Initial Baseline	Fact	Cash Flow Dataset – Project
Currency Type - Base	Current Baseline	Fact	Cash Flow Dataset – Project

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Currency Type - Base	Actuals	Fact	Cash Flow Dataset – Project
Currency Type - Base	Forecast	Fact	Cash Flow Dataset – Project

#### Table 47: Cash Flow - Calculated Members

Calculated Member	Expression	Source	Subject Area / Dataset (s)
Initial Baseline (cum.)	RSUM(XSA('demouser'.'Cash Flow Dataset - Base')."Columns"."Initial Baseline")	Derived From Fact	Cash Flow Dataset – Base
Current Baseline (cum.)	RSUM(XSA('demouser'.'Cash Flow Dataset - Base')."Columns"."Current Baseline")	Derived From Fact	Cash Flow Dataset – Base
Actuals (cum.)	CASE WHEN TIMESTAMPDIFF(SQL_TSI_MONTH,X SA('demouser'.'Cash Flow Dataset - Base')."Columns"."Calendar Date",MAX(MAX(CASE WHEN XSA('demouser'.'Cash Flow Dataset - Base')."Columns"."Actuals" > 0 THEN XSA('demouser'.'Cash Flow Dataset - Base')."Columns"."Calendar Date" ELSE NULL END BY XSA('demouser'.'Cash Flow Dataset - Base')."Columns"."Datasource Id") BY 1)) >= 0 THEN RSUM(XSA('demouser'.'Cash Flow Dataset - Base')."Columns"."Actuals") ELSE NULL END	Derived From Fact	Cash Flow Dataset – Base

Calculated Member	Expression	Source	Subject Area / Dataset (s)
Forecast (cum.)	CASE WHEN TIMESTAMPDIFF(SQL_TSI_MONTH,X SA('demouser'.'Cash Flow Dataset - Base')."Columns"."Calendar Date",MAX(MAX(CASE WHEN XSA('demouser'.'Cash Flow Dataset - Base')."Columns"."Actuals" > 0 THEN XSA('demouser'.'Cash Flow Dataset - Base')."Columns"."Calendar Date" ELSE NULL END BY 1) BY 1)) < 1 THEN RSUM(XSA('demouser'.'Cash Flow Dataset - Base')."Columns"."Forecast") ELSE NULL END	Derived From Fact	Cash Flow Dataset – Base
Initial Baseline [cum.]	RSUM(XSA('demouser'.'Cash Flow Dataset')."Columns"."Initial Baseline")	Derived From Fact	Cash Flow Dataset – Base
Current Baseline [cum.]	RSUM(XSA('demouser'.'Cash Flow Dataset')."Columns"."Current Baseline")	Derived From Fact	Cash Flow Dataset – Base

Calculated Member	Expression	Source	Subject Area / Dataset (s)
Actuals [cum.]	CASE WHEN TIMESTAMPDIFF(SQL_TSI_MONTH,X SA('demouser'.'Cash Flow Dataset')."Columns"."Calendar Date",MAX(MAX(CASE WHEN XSA('demouser'.'Cash Flow Dataset')."Columns"."Actuals" > 0 THEN XSA('demouser'.'Cash Flow Dataset')."Columns"."Calendar Date" ELSE NULL END BY XSA('demouser'.'Cash Flow Dataset')."Columns"."Datasour ce Id") BY 1)) >= 0 THEN RSUM(XSA('demouser'.'Cash Flow Dataset')."Columns"."Actuals" ) ELSE NULL END	Derived From Fact	Cash Flow Dataset – Base
Forecast [cum.]	CASE WHEN TIMESTAMPDIFF(SQL_TSI_MONTH,X SA('demouser'.'Cash Flow Dataset')."Columns"."Calendar Date",MAX(MAX(CASE WHEN XSA('demouser'.'Cash Flow Dataset')."Columns"."Actuals" > 0 THEN XSA('demouser'.'Cash Flow Dataset')."Columns"."Calendar Date" ELSE NULL END BY 1) BY 1)) < 1 THEN RSUM(XSA('demouser'.'Cash Flow Dataset')."Columns"."Forecast ") ELSE NULL END	Derived From Fact	Cash Flow Dataset – Base

## Forecasted Cost Analytics Overview Dashboard

**Description:** The Forecasted Cost Overview dashboard enables Executives and PMOs to track cost forecasts for individual projects on a quarterly basis. They can compare costs between baseline, actuals and forecasts by project name and owner. They can then make informed decisions about which projects or owners have the highest cost variance.

#### Number of Canvases: 1

Default Canvas: Forecasted Cost Overview

Canvas/Dashboard Name: Cost Analytics

Data Source(s): Unifier

Subject Area: Unifier – Cash Flow

Datasets: Not Applicable



Figure 34: Cost Analytics - Forecasted Cost Overview

#### Table 48: Cash Flow - Dimensions

Canvas	Dimension	Dimension / Attribute	Subject Area / Dataset
Canvas 1	Calendar	Quarter Name	Unifier – Cash Flow

Canvas	Dimension	Dimension / Attribute	Subject Area / Dataset
Canvas 1	Project	Project Name	Unifier – Cash Flow
Canvas 1	Project	Project Owner	Unifier – Cash Flow

#### Table 49: Cash Flow - Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Canvas 1	Current Baseline	Fact	Unifier – Cash Flow
Canvas 1	Actuals	Fact	Unifier – Cash Flow
Canvas 1	Forecast	Fact	Unifier – Cash Flow

#### Table 50: Cost Analytics - Filters

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Canvas 1	Visualizatio n	No	Project Name	Unifier – Cash Flow

## Submittals Overview Dashboard

Number of Canvases: 1

Default Canvas: Submittals Overview

Canvas/Dashboard Name: Submittals Overview

Data Source(s): Unifier

Subject Area: Unifier - Cash Flow

Datasets: Not Applicable



#### Dashboard

#### Figure 35: Submittals Overview

Canvas	Dimension Name	Dimension / Attribute	Subject Area / Dataset
Submittals Overview	Calendar	Project id	Unifier – Business Process History
Submittals Overview	Project	Project Name	Unifier – Business Process History
Submittals	Business Process –	Record Number	Unifier – Business
Overview	General (BP)		Process History
Submittals	Business Process –	Status	Unifier – Business
Overview	General (BP)		Process History
Submittals	Business Process –	Creation Date	Unifier – Business
Overview	General (BP)		Process History
Submittals	Business Process –	Completion Date	Unifier – Business
Overview	General (BP)		Process History
Submittals	Business Process –	Due Date	Unifier – Business
Overview	General (BP)		Process History

#### Table 51: Submittals Overview – Dimensions

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Submittals Overview	# of BP Records	Fact	Unifier – Business Process History
Submittals	# of Open	Calculated	Unifier – Business
Overview		from Fact	Process History
Submittals	# of Completed	Calculated	Unifier – Business
Overview		from Fact	Process History
Submittals	# of Cancelled	Calculated	Unifier – Business
Overview		from Fact	Process History
Submittals	# of Rejected	Calculated	Unifier – Business
Overview		from Fact	Process History
Submittals	# of Approved	Calculated	Unifier – Business
Overview		from Fact	Process History
Submittals	with Completion Date	Calculated	Unifier – Business
Overview		from Fact	Process History
Submittals	Average Time (in Days) taken	Calculated	Unifier – Business
Overview	for Submittals Closure	from Fact	Process History
Submittals	Average Time (in Days) to Reject	Calculated	Unifier – Business
Overview		from Fact	Process History

Table 52: Submittals Overview – Measures

## Table 53: Submittals Overview – Filters

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Submittals Overview	Dashboard	No	Project Name	Unifier – Business Process History
Submittals Overview	Dashboard	No	Business Process Name	Unifier – Business Process History
Submittals Overview	Dashboard & Visualizati on	No	Status	Unifier – Business Process History
Submittals Overview	Visualizati on	Yes	Creation Date	Unifier – Business Process History
Submittals Overview	Visualizati on	Yes	Completion Date	Unifier – Business Process History

Calculated Member	Expression	Source	Subject Area / Dataset (s)
# of Open	<pre>FILTER("Primavera - Business Process History"."Metrics"."# of BP Records" Using "Primavera - Business Process History"."General - (BP)"."Status" IN ('Approved','Pending') AND "Primavera - Business Process History"."Dates - (BP)"."Completion Date" IS NULL)</pre>	Derived From Fact	Unifier – Business Process History
# of Completed	<pre>FILTER("Primavera - Business Process History"."Metrics"."# of BP Records" USING NOT("Primavera - Business Process History"."Dates - (BP)"."Completion Date" IS NULL) AND "Primavera - Business Process History"."General - (BP)"."Status" = 'Approved')</pre>	Derived From Fact	Unifier – Business Process History
# of Cancelled	<pre>FILTER("Primavera - Business Process History"."Metrics"."# of BP Records" Using "Primavera - Business Process History"."General - (BP)"."Status" IN ('Cancelled','Canceled'))</pre>	Derived From Fact	Unifier – Business Process History
# of Rejected	<pre>FILTER("Primavera - Business Process History"."Metrics"."# of BP Records" Using "Primavera - Business Process History"."General - (BP)"."Status" = 'Rejected')</pre>	Derived From Fact	Unifier – Business Process History

$able J_{+}$ . Oublinitials $Over view = Oarculated weitiber 3$	Table 54:	<b>Submittals</b>	<b>Overview</b> -	- Calculated	<b>Members</b>
---	-----------	-------------------	-------------------	--------------	----------------

Calculated Member # of Approved	Expression FILTER("Primavera - Business Process History"."Metrics"."# of BP Records" USING "Primavera - Business Process History"."General -	Source Derived From Fact	Subject Area / Dataset (s) Unifier – Business Process History
with Completion Date	<pre>(BP)"."Status" = 'Approved') FILTER("Primavera - Business Process History"."Metrics"."# of BP Records" USING NOT("Primavera - Business Process History"."Dates - (BP)"."Completion Date" IS</pre>	Derived From Fact	Unifier – Business Process History
Average Time (in Days) taken for Submittals Closure	NULL)) SUM(CASE WHEN "Primavera - Business Process History"."General - (BP)"."Status" = 'Approved' THEN	Derived From Fact	Unifier – Business Process History
	<pre>TIMESTAMPDIFF(SQL_TSI_DAY, "Primavera - Business Process History"."Dates - (BP)"."Creation Date", "Primavera - Business Process History"."Dates - (BP)"."Completion Date") ELSE 0 END) / (FILTER("Primavera - Business Process History"."Metrics"."# of BP Records" USING NOT("Primavera - Business Process History"."Dates - (BP)"."Completion Date" IS NULL) AND "Primavera - Business Process History"."General - (BP)"."Status" = 'Approved'))</pre>		

		r	
Calculated Member	Expression	Source	Subject Area / Dataset (s)
Average Time (in Days) to Reject	<pre>SUM(CASE WHEN "Primavera - Business Process History"."General - (BP)"."Status" = 'Rejected' THEN TIMESTAMPDIFF(SQL_TSI_DAY, "Primavera - Business Process History"."Dates - (BP)"."Creation Date", "Primavera - Business Process History"."Dates - (BP)"."Completion Date") ELSE 0 END) / (FILTER("Primavera - Business Process History"."Metrics"."# of BP Records" Using "Primavera - Business Process History"."General - (BP)"."Status" = 'Rejected'))</pre>	Derived From Fact	Unifier – Business Process History

## Tracking Maintenance Status Dashboard

**Description**: Tracking open and closed work orders by week over time.

Number of Canvases: 4

Default Canvas: Issues

Canvas/Dashboard Name: Tracking Maintenance Status

Data Source(s): Unifier

Subject Area: N/A

**Datasets**: Created and Completed BP Overtime Dataset

## Dashboard(s)



## Figure 36: Tracking Maintenance Status Issues



### Figure 37: Tracking Maintenance Status By Building

Project Name (Reve Levit)         Project Name (Reve Levit)         Project Name Levit 1         Stans         # of 87 Reverts           All Properties         55 Main St         RECON-00         Approved         7         Complete         1           Project Name (Reve Levit)         55 Main St         RECON-00         Approved         7         -           Project Name (Reve Levit)         55 Main St         RECON-00         Approved         1         -           Project Name (Reve Levit)         75 Create Watchouse         RECON-00         Approved         1         -         <	
All Properties     55 Main Se     RECOR-00     Approved     7     Complete       Parling_Extinct     Complete     1       Parling_Extinct     Parling_Extinct     1       Parling_Extinct     Approved     1       RECOR-01     RECOR-00     Approved     1       RECOR-01     RECOR-01     Approved     1       RECOR-01     RECOR-01     Approved     1       Corporate Office     RECOR-02     Approved     1       Tor-00     RECOR-03     Approved     1	
Completed         1           Completed         1           Product Strender         RECON-00           RECON-01         ADD01-01           RECON-02         Approved         1           Completed Warehouse         RECON-00         Approved         1           RECON-01         Approved         1         1           Completed Office         0         1         1           Completed Office         1         1         1           STC-00         RECON-00         Approved         1	
Pedag         Standard         1           70 Greene Warehouse         86004-00         Approved         1           80LDNC-01         86004-00         Approved         15           80LDNC-01         86004-00         Approved         1           600-00         Approved         1         1           600-00         Approved         1         1           700-00         RE004-00         Approved         1           700-00         Approved         1         1           700-00         RE004-00         Approved         1	
Non-control         RECON-00         Approved         143           RALDINC-01         RECON-00         Approved         0           Reconstruction         RECON-00         Approved         1           Corporate Office         RECON-00         Approved         1           Corporate Office         RECON-00         Approved         1           STL-00         RECON-00         Approved         1	
70 Greene Warrhouie         8600N-00         Approved         1           BALDING-01         8600N-00         0         0           Completed Office         Completed Office         0           STD-00         Approved         0           STD-00         Approved         0	
BULDING-01         Approved         13           BULDING-01         Approved         1           Completed         Completed         1           Corporate Office         Approved         1           STE-DO         RECOM-00         Approved         1           STE-DO         RECOM-00         Approved         1	
BLICDNC-01         Approval         1           Approval         1         2           Corporate Office         2ECODi=00         Approval         1           STC-00         RECOM=00         Approval         1	
Composes Office         EEOOH-00         Approved         1           5/70-00         #2004-00         Approved         1	
Corporate Office         ADD/m-d0         2           5/70-00         #E00/m-d0         Approved         1           5/70-00         #E00/m-d0         Approved         1	
Corporate Office         #E000-40         Approved         1           5170-00         #E000m-00         Approved         1	
5/11-00 #60/01-00 Approved 1	
5/TE-00 REGOV-00 Approved 1	
In Progress 1	
Pending 1	
Ster-003-09M-MM RECION-00 Approved 1	
Completed 2	
Pending 450	
45	
Ste=001-Lundhurst REDON=00 Pending 1	
5	
CapitaLand CapitaLand Mail Trust CapitaLand Mails Asia In, Progress 1	
Raffes City CapitaLand Mails Asia Approved 1	
Tampines Mall Capitaland Malls Asia Approved 26	
Completed 20	
IN/Progress 11	
Material Requested 32	
Pending 15	

# Figure 38: Tracking Maintenance Status Table

Project Portooio Name	Project Name	Project Name (Root Level)	Project Hierarchy Name Level 1	Status				
All	All	All	All	All				
		Project Name (Root Level)	Project Name	Project Hierarchy Name Level 1	Record Number	Title	Status	
		All Properties	555 Main St	REGION-00	CWO-0001	Broken Dishwasher		A.
		All Properties	555 Main St	REGION-00	CWO-0002	Dishwasher not working		
		All Properties	555 Main St	REGION-00	CWO-0003	Heater too hot	Approved	
		All Properties	555 Main St	REGION-00	CWO-0004	Heater too hot	Approved	
		All Properties	555 Main St	REGION-00	CWO-0005		Approved	
		All Properties	555 Main St	REGION-00	CWO-0005	Latest Dishwasher	Approved	
		All Properties	SSS Main St	RECION-00	CWO-0007	Eridge needs fixing		
		All Properties	555 Main St	REGION-00	CWO-0008	Fridge needs fixing	Approved	
		All Properties	555 Main St	REGION-00	CWO-0009		Approved	
		All Properties	555 Main St	RECION-00	CW0-0010		Approved	
		All Properties	555 Main St	REGION-00	CWO-0011	Refrigerator Broken	Pending,Estimate	
		All Properties	555 Main St	RECION-00	PWO-0001		Completed	
		All Properties	555 Main St	REGION-00	PWO-0002			
		All Properties	555 Main St	REGION-00	PWO-0003			
		All Properties	555 Main St	REGION-00	PWO-0004			
		All Properties	555 Main St	REGION-00	PWO-0005			
		All Properties	555 Main St	REGION-00	PWO-0006			
		All Properties	555 Main St	REGION-00	PWO-0007			
		All Properties	555 Main St	REGION-00	PWO-0008			
		All Properties	555 Main St	REGION-00	PWO-0009			
		All Properties	555 Main St	REGION-00	PWO-0010			
		All Properties	555 Main St	REGION-00	PWO-0011			
		All Properties	555 Main St	REGION-00	PWO-0012			
		All Properties	555 Main St	REGION-00	PWO-0013			
		All Properties	555 Main St	REGION-00	PWO-0014			
		All Properties	555 Main St	REGION-00	PWO-0015			
		All Properties	555 Main St	REGION-00	PWO-0016			
		All Properties	555 Main St	REGION-00	PWO-0017			
		All Properties	555 Main St	REGION-00	PWO-0018			
		All Properties	555 Main St	REGION-00	PWO-0019			
		All Properties	555 Main St	RECION-00	PWO-0020			
		All Properties	555 Main St	REGION-00	PWO-0021			
		All Properties	555 Main St	REGION-00	PWO-0022			

#### Figure 39: Tracking Maintenance Status Details

Canvas	Dimension Name	Dimension / Attribute	Subject Area / Dataset
Issues by Building		Week Name	Created and Completed BP Overtime Dataset
All Canvases		Status	Created and Completed BP Overtime Dataset
By Building Table		Project Name	Created and Completed BP Overtime Dataset
Table Details		Project Name (Root Level)	Created and Completed BP Overtime Dataset
Table Details		Project Hierarchy Name Level 1	Created and Completed BP Overtime Dataset
Details		Record Number	Created and Completed BP Overtime Dataset
Details		Title	Created and Completed BP Overtime Dataset

Table 55:	Tracking	Maintenance	Status -	Dimensions
	nuoning	manneenanoe	oluluo	

## Table 56: Tracking Maintenance Status – Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Issues By Building Table	# of BP Records	Fact	Created and Completed BP Overtime Dataset
Issues By Building	# of Created BP Records	Calculated from Fact	Created and Completed BP Overtime Dataset
Issues By Building	# of Completed BP Records	Calculated from Fact	Created and Completed BP Overtime Dataset

Canvas	Filter Type	ls Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
All Canvases	Dashboard	No	Project Portfolio Name	Created and Completed BP Overtime Dataset
All Canvases	Dashboard	No	Project Name	Created and Completed BP Overtime Dataset
All Canvases	Visualization	No	Status	Created and Completed BP Overtime Dataset
All Canvases	Dashboard & Visualization	No	Business Process Name	Created and Completed BP Overtime Dataset
Issues By Building	Dashboard & Visualization	No	Open Cases Tag	Created and Completed BP Overtime Dataset

Table 57: Tracking Maintenance Status – Filters

## Table 58: Tracking Maintenance Status – Calculated Members

Calculated Member	Expression	Source	Subject Area / Dataset (s)
# of Created BP Records	CASE WHEN XSA('demouser'.'Created and Completed BP Over Time Dataset')."Columns"."Creati on Date" >= XSA('demouser'.'Created and Completed BP Over Time Dataset')."Columns"."Week Start Date" AND XSA('demouser'.'Created and Completed BP Over Time Dataset')."Columns"."Creati on Date" <= XSA('demouser'.'Created and Completed BP Over Time Dataset')."Columns"."Week End Date" THEN 1 ELSE 0 END	Derived From Fact	Created and Completed BP Overtime Dataset

Calculated Member	Expression	Source	Subject Area / Dataset (s)
# of Completed BP Records	CASE WHEN XSA('demouser'.'Created and Completed BP Over Time Dataset')."Columns"."Comple tion Date" >= XSA('demouser'.'Created and Completed BP Over Time Dataset')."Columns"."Week Start Date" AND XSA('demouser'.'Created and Completed BP Over Time Dataset')."Columns"."Comple tion Date" <= XSA('demouser'.'Created and Completed BP Over Time Dataset')."Columns"."Week End Date" THEN 1 ELSE 0 END	Derived From Fact	Created and Completed BP Overtime Dataset

# **Data Visualizations Using Unifier Essentials Data**

The following data visualizations have been created using Unifier Essentials data:

- Project Status Dashboard (on page 103)
- Root Cause Analysis Dashboard (on page 108)
- Budget Insights Dashboard (on page 114)

#### **In This Section**

Project Status Dashboard	103
Root Cause Analysis Dashboard	108
Budget Insights Dashboard	114

#### **Project Status Dashboard**

Description: . Number of Canvases: 1 Default Canvas: Project Status Canvas/Dashboard Name: Project Status Data Source(s): Unifier Subject Area: Unifier - Cost Sheet Datasets: Not applicable

#### Dashboard

Datasource Id Project Name All All								8 :
55,060,288.00 Renied Budget	16,729,4 Projected	137.29 Cost	4 Estimated	169.38 Cost At Completion	55,059,818.	52 er	Project Count by Status	
3,564,156.40% %Projected/Provider	0.0	XO t/Budget	7,3 Approve	20,805.00 d Budget Revisions	-3,564,056.4	0%		Arris & Enrype & Santa & Dones & Press & Regue & Santa
Budget Summary								Budget vs Estimated Cost at Completion
Project Hierarchy	Original Budget	Approved Budget Revisions	Revised Budget	Approved Commitment Changes	Pending Contracts, COs & Pos	Non Commitment Co	sts Projected Cost	Advandack Seniar Community
a All	29,429,650.00	7,820,805.00	\$5.040.288.00	856,650.00	197,009.00	-2.500	100 18,729,437,29	Collegio Federari Fluminense Collegio do Vale do Rio dos Sinos
.# All initiatives	385,150.00	\$8,950.00	487.095.00	14,393.83	0.00	-2.500	100	EVAPERO1 EVAPERO1
▶ Engineering & Constructi	on 385.150.00	58,950.00	487.095.00	14,393,83	0.00	-2.500	100	Facultade Federal do Rio de Jane Grand Lincols University
P All Projects     b Growto ADS	4,827,300.00	4,593,831.00	1449 530.00	452,134.00	17.053.00		100 3,790,752,42	Instituto Tecnico de São Paulo Kiumber Tece Provido
► Millennium Corporation	23.302.200.00	2.473.425.00	28.573.532.00	350.959.77	90,705.00	(	1.00	Medical Center North Central Michigan University
								tering (22) Bit Bit b

## Figure 40: Project Status Dashboard

## Table 59: Project Status - Dimensions

Canvas	Dimension / Attribute	Subject Area / Dataset
Project Status	Project Status	Unifier - Cost Sheet
Project Status	Project Hierarchy	Unifier - Cost Sheet
Project Status	Project Name	Unifier - Cost Sheet

## Table 60: Project Status – Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Project Status	Revised Budget	Fact	Unifier - Cost Sheet
Project Status	Projected Cost	Calculated from Fact	Unifier - Cost Sheet
Project Status	Estimated Cost At Completion	Calculated from Fact	Unifier - Cost Sheet
Project Status	Projected Over Under	Calculated from Fact	Unifier - Cost Sheet
Project Status	% Projected / Forecast	Calculated from Fact	Unifier - Cost Sheet

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Project Status	% Projected / Budget	Calculated from Fact	Unifier - Cost Sheet
Project Status	Approved Budget Revisions	Fact	Unifier - Cost Sheet
Project Status	% Forecast	Calculated from Fact	Unifier - Cost Sheet
Project Status	Project Count	Fact	Unifier - Cost Sheet
Project Status	Original Budget	Fact	Unifier - Cost Sheet
Project Status	Approved Commitment Changes	Calculated from Fact	Unifier - Cost Sheet
Project Status	Pending Contracts, cos & POs	Calculated from Fact	Unifier - Cost Sheet
Project Status	Non Commitment Cost	Calculated from Fact	Unifier - Cost Sheet
Project Status	Total Costs Incurred	Calculated from Fact	Unifier - Cost Sheet
Project Status	Estimate to Complete (ETC)	Calculated from Fact	Unifier - Cost Sheet
Project Status	% Projected Costs	Calculated from Fact	Unifier - Cost Sheet

# Table 61: Project Status - Filters

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Project Status	Dashboa rd	No	Datasource ID	Unifier - Cost Sheet
Project Status	Dashboa rd	No	Project Name	Unifier - Cost Sheet
Project Status	Visualiza tion	Yes	"Primavera - Cost Sheet"."General - (Project)"."Project Status" is not null	Unifier - Cost Sheet

Calculated Member	Expression	Source	Subject Area / Dataset
Projected Cost	"Primavera - Cost Sheet"."Costs"."User Defined Column 14"+"Primavera - Cost Sheet"."Costs"."Revised Commitments"+"Primavera - Cost Sheet"."Costs"."User Defined Column 6"	Derived From Fact	Unifier - Cost Sheet
Estimated Cost At Completion	"Primavera - Cost Sheet"."Costs"."User Defined Column 7" + "Primavera - Cost Sheet"."Costs"."User Defined Column 13"	Derived From Fact	Unifier - Cost Sheet
Projected Over Under	"Primavera - Cost Sheet"."Costs"."Revised Budget" - ("Primavera - Cost Sheet"."Costs"."User Defined Column 7" + "Primavera - Cost Sheet"."Costs"."User Defined Column 13")	Derived From Fact	Unifier - Cost Sheet
% Projected / Forecast	<pre>(("Primavera - Cost Sheet"."Costs"."User Defined Column 14"+"Primavera - Cost Sheet"."Costs"."Revised Commitments"+"Primavera - Cost Sheet"."Costs"."User Defined Column 6") / ("Primavera - Cost Sheet"."Costs"."User Defined Column 7" + "Primavera - Cost Sheet"."Costs"."User Defined Column 13"))</pre>	Derived From Fact	Unifier - Cost Sheet

## Table 62: Project Status - Calculated Members

Calculated Member	Expression	Source	Subject Area / Dataset
% Forecast / Budget	("Primavera - Cost Sheet"."Costs"."User Defined Column 7" + "Primavera - Cost Sheet"."Costs"."User Defined Column 13") / "Primavera - Cost Sheet"."Costs"."Revised Budget"	Derived From Fact	Unifier - Cost Sheet
% Forecast	<pre>1-(("Primavera - Cost Sheet"."Costs"."User Defined Column 14"+"Primavera - Cost Sheet"."Costs"."Revised Commitments"+"Primavera - Cost Sheet"."Costs"."User Defined Column 6") / ("Primavera - Cost Sheet"."Costs"."User Defined Column 7" + "Primavera - Cost Sheet"."Costs"."User Defined Column 13"))</pre>	Derived From Fact	Unifier - Cost Sheet
Project Count	COUNT(DISTINCT "Primavera - Cost Sheet"."General - (Project)"."Project Object Id")	Derived From Fact	Unifier - Cost Sheet
Pending Contracts, Cos & POs	"Primavera - Cost Sheet"."Costs"."Pending PO Amendments"+"Primavera - Cost Sheet"."Costs"."Pending Change Orders"	Derived From Fact	Unifier - Cost Sheet
Non Commitment Cost	"Primavera - Cost Sheet"."Costs"."User Defined Column 6"	Derived From Fact	Unifier - Cost Sheet

Calculated Member	Expression	Source	Subject Area / Dataset
Total Costs Incurred	"Primavera - Cost Sheet"."Costs"."User Defined Column 7"	Derived From Fact	Unifier - Cost Sheet
% Projected Costs	"Primavera - Cost Sheet"."Costs"."User Defined Column 7"/("Primavera - Cost Sheet"."Costs"."User Defined Column 14"+"Primavera - Cost Sheet"."Costs"."Revised Commitments"+"Primavera - Cost Sheet"."Costs"."User Defined Column 6")* 100	Derived From Fact	Unifier - Cost Sheet
Estimate to Complete (ETC)	"Primavera - Cost Sheet"."Costs"."User Defined Column 13"	Derived From Fact	Unifier - Cost Sheet

## **Root Cause Analysis Dashboard**

Description: .

Number of Canvases: 1

Default Canvas: Root Cause Analysis

Canvas/Dashboard Name: Root Cause Analysis

Data Source(s): Unifier

Subject Area: Unifier - Cost Sheet

Datasets: Not applicable
#### Dashboard

Datasource Id	CBS Name	Project Status											<b>₿</b> :
All	Top 10 Projected Over Under	Active											
Projected Over Under by CB	IS Name, Project Phase			Projected Over Un	nder by Project Type, CBS Name, Proje	rct Phase							
Construction Documents													
Design Development													
Other Equipment													
Other Furnishings													
Summary													
Structural Metal Framing				AI O	Projects 🔘								
Security Access & Surveillance													
Concrete Reinforcement													
Mass Concrete													
Utility Services													
0	0 1M 2M 3M	414 57	6M 7M										
Budget Summary													
	Project Hierarchy	Original Budget	Approved Budget Revisions	Revised Budget	Approved Commitment Changes	Pending Contracts, COs & Pos	Non-Commitment Costs	Projected Cost	Total Costs Incurred	Estimate to Complete (ETC)	Estimated Cost at Completion		
	A All	29,429,650.00	7.320.805.00	55.060.288.00	856,650.00	197,009.00	-2.500.00	16,729,437.29	409.38	0.00	409.38		
	a All Initiatives	385.150.00	58,950.00	487,095.00	14,393,83	0.00	-2,500.00		0.00				
	Engineering & Construction	4427 200.00	4.693.631.00	487,095.00	14,393,83	0.00	-2.500.00	1 700 712 42	0.00	0.00	0.00		
	Groupo ADS	1.115.000.00	194,599,00	1.449.530.00	33,162.40	17.053.00	0.00	0.110.102.44	400.38	0.00	0.00		
	Millennium Corporation	23.302.200.00	2.473.425.00	28.573.532.00	356.959.77	90.705.00	0.00		0.00				
i i													
Root Cause Analysis	Ð										10 Stacks, 5 B	lars 🛛 🐺 💠	

## Figure 41: Root Cause Analysis Dashboard

### Table 63: Root Cause Analysis - Dimensions

Canvas	Dimension / Attribute	Subject Area / Dataset
Root Cause Analysis	CBS Name	Unifier - Cost Sheet
Root Cause Analysis	Project Phase	Unifier - Cost Sheet
Root Cause Analysis	Project Name	Unifier - Cost Sheet
Root Cause Analysis	Project Type	Unifier - Cost Sheet
Root Cause Analysis	Project Hierarchy	Unifier - Cost Sheet

### Table 64: Root Cause Analysis – Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Root Cause Analysis	Revised Budget	Fact	Unifier - Cost Sheet
Root Cause Analysis	Projected Cost	Calculated from Fact	Unifier - Cost Sheet
Root Cause Analysis	Estimated Cost At Completion	Calculated from Fact	Unifier - Cost Sheet

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Root Cause Analysis	Projected Over Under	Calculated from Fact	Unifier - Cost Sheet
Root Cause Analysis	% Projected / Forecast	Calculated from Fact	Unifier - Cost Sheet
Root Cause Analysis	% Projected / Budget	Calculated from Fact	Unifier - Cost Sheet
Root Cause Analysis	Approved Budget Revisions	Fact	Unifier - Cost Sheet
Root Cause Analysis	% Forecast	Calculated from Fact	Unifier - Cost Sheet
Root Cause Analysis	Project Count	Calculated from Fact	Unifier - Cost Sheet
Root Cause Analysis	Original Budget	Fact	Unifier - Cost Sheet
Root Cause Analysis	Approved Commitment Changes	Fact	Unifier - Cost Sheet
Root Cause Analysis	Pending Contracts, COs & POs	Calculated from Fact	Unifier - Cost Sheet
Root Cause Analysis	Non Commitment Cost	Calculated from Fact	Unifier - Cost Sheet
Root Cause Analysis	Total Costs incurred	Calculated from Fact	Unifier - Cost Sheet
Root Cause Analysis	Estimate to Complete (ETC)	Calculated from Fact	Unifier - Cost Sheet
Root Cause Analysis	% Projected Costs	Calculated from Fact	Unifier - Cost Sheet

# Table 65: Root Cause Analysis - Filters

Canvas	Filter Type	ls Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Root Cause Analysis	Dashboa rd	No	Datasource ID	Unifier - Cost Sheet
Root Cause Analysis	Dashboa rd	No	CBS Name	Unifier - Cost Sheet
Root Cause Analysis	Dashboa rd	No	Project Status	Unifier - Cost Sheet

Canvas	Filter	Is Expression	Dimension / Attribute /	Subject Area /
	Type	Filter	Measure	Dataset
Root Cause Analysis	Visualiza tion	Yes	("Primavera - Cost Sheet"."Costs"."Revised Budget" - ("Primavera - Cost Sheet"."Costs"."User Defined Column 7" + "Primavera - Cost Sheet"."Costs"."Revised Commitments")) is not null and ("Primavera - Cost Sheet"."Costs"."Revised Budget" - ("Primavera - Cost Sheet"."Costs"."User Defined Column 7" + "Primavera - Cost Sheet"."Costs"."Revised Commitments")) <> 0	Unifier - Cost Sheet

# Table 66: Root Cause Analysis - Calculated Members

Calculated Member	Expression	Source	Subject Area / Dataset		
Projected Cost	"Primavera - Cost Sheet"."Costs"."User Defined Column 14"+"Primavera - Cost Sheet"."Costs"."Revised Commitments"+"Primavera - Cost Sheet"."Costs"."User Defined Column 6"	Derived From Fact	Unifier - Cost Sheet		
Estimated Cost At Completion	"Primavera - Cost Sheet"."Costs"."User Defined Column 7" + "Primavera - Cost Sheet"."Costs"."User Defined Column 13"	Derived From Fact	Unifier - Cost Sheet		

Calculated Member	Expression	Source	Subject Area / Dataset
Projected Over Under	"Primavera - Cost Sheet"."Costs"."Revised Budget" - ("Primavera - Cost Sheet"."Costs"."User Defined Column 7" + "Primavera - Cost Sheet"."Costs"."User Defined Column 13")	Derived From Fact	Unifier - Cost Sheet
% Projected / Forecast	<pre>(("Primavera - Cost Sheet"."Costs"."User Defined Column 14"+"Primavera - Cost Sheet"."Costs"."Revised Commitments"+"Primavera - Cost Sheet"."Costs"."User Defined Column 6") / ("Primavera - Cost Sheet"."Costs"."User Defined Column 7" + "Primavera - Cost Sheet"."Costs"."User Defined Column 13"))</pre>	Derived From Fact	Unifier - Cost Sheet
% Forecast / Budget	("Primavera - Cost Sheet"."Costs"."User Defined Column 7" + "Primavera - Cost Sheet"."Costs"."User Defined Column 13") / "Primavera - Cost Sheet"."Costs"."Revised Budget"	Derived From Fact	Unifier - Cost Sheet

Calculated Member	Expression	Source	Subject Area / Dataset		
% Forecast	<pre>1-(("Primavera - Cost Sheet"."Costs"."User Defined Column 14"+"Primavera - Cost Sheet"."Costs"."Revised Commitments"+"Primavera - Cost Sheet"."Costs"."User Defined Column 6") / ("Primavera - Cost Sheet"."Costs"."User Defined Column 7" + "Primavera - Cost Sheet"."Costs"."User Defined Column 13"))</pre>	Derived From Fact	Unifier - Cost Sheet		
Project Count	COUNT(DISTINCT "Primavera - Cost Sheet"."General - (Project)"."Project Object Id")	Derived From Fact	Unifier - Cost Sheet		
Pending Contracts, Cos & POs	"Primavera - Cost Sheet"."Costs"."Pending PO Amendments"+"Primavera - Cost Sheet"."Costs"."Pending Change Orders"	Derived From Fact	Unifier - Cost Sheet		
Non Commitment Cost	"Primavera - Cost Sheet"."Costs"."User Defined Column 6"	Derived From Fact	Unifier - Cost Sheet		
Total Costs Incurred	"Primavera - Cost Sheet"."Costs"."User Defined Column 7"	Derived From Fact	Unifier - Cost Sheet		

Calculated Member	Expression	Source	Subject Area / Dataset
% Projected Costs	"Primavera - Cost Sheet"."Costs"."User Defined Column 7"/("Primavera - Cost Sheet"."Costs"."User Defined Column 14"+"Primavera - Cost Sheet"."Costs"."Revised Commitments"+"Primavera - Cost Sheet"."Costs"."User Defined Column 6")* 100	Derived From Fact	Unifier - Cost Sheet
Estimate to Complete (ETC)	"Primavera - Cost Sheet"."Costs"."User Defined Column 13"	Derived From Fact	Unifier - Cost Sheet

# Budget Insights Dashboard

Description: .

Number of Canvases: 1

Default Canvas: Budget Insights

Canvas/Dashboard Name: Budget Insights

Data Source(s): Unifier

Subject Area: Unifier - Cost Sheet

Datasets: Not applicable

#### Dashboard

CBS Name Top 10 Pending Contracts, 0	CBS Name COs & Pos Top 10 % Projecte	d Costs												₿ :
				% Pro	ojected Costs vs CBS Name			Pendi	ing Contracts, COs & Po	os by CBS Name				
55,060,288.00 Revised Budget	856,650.00 Approved Contracts, Cos & Pos	469.38 Estimated Cast At Completion	0.00 Forecast to Complete		Basic Matariala & Methods Meral Joints				Structural Metal Fram Construction Docume Design Developm Other Furnishi Project Pl	ing ent ga ga				
16,729,437.29 Projected Cost	197,009.00 Pending Contracts, COs & Pos	-2,500.00 Non-Committed Costs	55,059,818.6. Projected Over Unde	2 , Basic I	Structural Metal Framing	6 0000 0.012 0.014	0.020 0.024	Electric 0.028	Doors & Fran Schematic Des Agreen Metal Deck tal Power Generation Equipm	era and a second	40X	60K	BOK	100К
Budget Summary														
	Project Hierarchy	Original Budget	Approved Budget Revisions	Revised Budget	Approved Commitment Changes	Pending Contracts, COs & Pos	Non-Commitment Costs	Projected Cost	Total Costs Incurred	Estimated Cost at Comple	rtion			
	al All	29,429,650.00	7,320,805.00	55,060,288.00	856.650.00	197,009.00	-2,500.00	16.729,437.29	409.38		69.38			
	▲ All initiatives	385.150.00	58,950.00	487,095.00	14,393.83	0.00	-2.500.00		0.00					
	Engineering & Con	struction 385.150.00	58,950.00	487,095.00	14,393.83	0.00	-2.500.00		0.00					
	All Projects	4,627,300.00	4,593,831.00	24,550,131,00	452,134.00	89,251.00	0.00	3.790,732.42	0.00		0.00			
	Groupo ADS     Millennium Corporati	23,302,200,00	2.473.425.00	28.573.532.00	33.102.40 85.0 00 77	90,705,00	0.00		404.38					
Budget Insights 🛞													5 4	

# Figure 42: Budget Insights Dashboard

## Table 67: Budget Insights - Dimensions

Canvas	Dimension / Attribute	Subject Area / Dataset
Budget Insights	Project Name	Unifier - Cost Sheet

### Table 68: Budget Insights – Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Budget Insights	Revised Budget	Fact	Unifier - Cost Sheet
Budget Insights	Projected Cost		Unifier - Cost Sheet
Budget Insights	Estimated Cost At Completion		Unifier - Cost Sheet
Budget Insights	Projected Over Under		Unifier - Cost Sheet
Budget Insights	Approved Budget Revisions		Unifier - Cost Sheet
Budget Insights	Project Count		Unifier - Cost Sheet
Budget Insights	Original Budget		Unifier - Cost Sheet

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Budget Insights	Approved Commitment Changes		Unifier - Cost Sheet
Budget Insights	Pending Contracts, Cos & POs		Unifier - Cost Sheet
Budget Insights	Non Commitment Cost		Unifier - Cost Sheet
Budget Insights	Total Costs Incurred		Unifier - Cost Sheet
Budget Insights	Estimate to Complete(ETC)		Unifier - Cost Sheet
Budget Insights	% Projected Costs		Unifier - Cost Sheet

# Table 69: Budget Insights - Filters

Canvas	Filter Type	ls Expression Filter	Dimension / Attribute / Measure	Subject Area / Dataset
Budget Insights	Dashboa rd	No	CBS Name	Unifier - Cost Sheet
Budget Insights	Visualiza tion	Yes	"Primavera - Cost Sheet"."Costs"."User Defined Column 7" > 0 And ("Primavera - Cost Sheet"."Costs"."User Defined Column 7"/("Primavera - Cost Sheet"."Costs"."User Defined Column 14"+"Primavera - Cost Sheet"."Costs"."Revised Commitments"+"Primave ra - Cost Sheet"."Costs"."User Defined Column 6")* 100) is not null	Unifier - Cost Sheet

## Table 70: Budget Insights - Calculated Members

Calculated Member	Expression	Source	Subject Area / Dataset
Projected Cost	"Primavera - Cost	Derived	Unifier - Cost
	Sheet"."Costs"."User	From Fact	Sheet

Calculated Member	Expression	Source	Subject Area / Dataset
	Defined Column 14"+"Primavera - Cost Sheet"."Costs"."Revised Commitments"+"Primavera - Cost Sheet"."Costs"."User Defined Column 6"		
Estimated Cost At Completion	"Primavera - Cost Sheet"."Costs"."User Defined Column 7" + "Primavera - Cost Sheet"."Costs"."User Defined Column 13"	Derived From Fact	Unifier - Cost Sheet
Projected Over Under	"Primavera - Cost Sheet"."Costs"."Revised Budget" - ("Primavera - Cost Sheet"."Costs"."User Defined Column 7" + "Primavera - Cost Sheet"."Costs"."User Defined Column 13")	Derived From Fact	Unifier - Cost Sheet
Project Count	COUNT(DISTINCT "Primavera - Cost Sheet"."General - (Project)"."Project Object Id")	Derived From Fact	Unifier - Cost Sheet
Pending Contracts, Cos & POs	"Primavera - Cost Sheet"."Costs"."Pending PO Amendments"+"Primavera - Cost Sheet"."Costs"."Pending Change Orders"	Derived From Fact	Unifier - Cost Sheet
Non Commitment Cost	"Primavera - Cost Sheet"."Costs"."User Defined Column 6"	Derived From Fact	Unifier - Cost Sheet

Calculated Member	Expression	Source	Subject Area / Dataset
Total Costs Incurred	"Primavera - Cost Sheet"."Costs"."User Defined Column 7"	Derived From Fact	Unifier - Cost Sheet
% Projected Costs	"Primavera - Cost Sheet"."Costs"."User Defined Column 7"/("Primavera - Cost Sheet"."Costs"."User Defined Column 14"+"Primavera - Cost Sheet"."Costs"."Revised Commitments"+"Primavera - Cost Sheet"."Costs"."User Defined Column 6")* 100	Derived From Fact	Unifier - Cost Sheet
Estimate to Complete (ETC)	"Primavera - Cost Sheet"."Costs"."User Defined Column 13"	Derived From Fact	Unifier - Cost Sheet

# **Data Visualizations Using Oracle Aconex Data**

The following data visualizations have been created using Aconex data:

- Users, Projects, and Organizations Sample Dashboard (on page 119)
- Mails Sample Dashboard (on page 121)
- Documents Sample Dashboard (on page 126)
- Workflow Sample Dashboard (on page 131)

#### In This Section

Users, Projects, and Organizations Sample Dashboard	119
Mails Sample Dashboard	
Documents Sample Dashboard	126
Workflow Sample Dashboard	

#### Users, Projects, and Organizations Sample Dashboard

**Description:** The data displayed in the User, Project, Organization dashboard, and in any out-of-the-box or custom dashboard is based on the projects that you have access in Aconex.

Use the User, Project, Organization dashboard to discover information such as, (but not limited to):

- identify owner and partner organizations within projects
- identify the role of each organization in each project
- identify projects and their corresponding owner and partner organizations by geographical locations
- count of organizations (owner and participant orgs) involved in a given project
- count of all projects that a specific organization is involved in (as an owning organization or a participant organization)
- count of all users involved in all those projects that the logged in user is also associated with

#### Number of Canvases: 2

Default Canvas: Project Status

Canvas/Dashboard Name: Users, Projects, and Organizations Sample Dashboard

Data Source(s): Aconex

Subject Area: Aconex – User Project Organization

Datasets: Not applicable

#### Dashboard



## Figure 43: Users, Projects, and Organizations Sample Dashboard - Overview

Project Name	Organization Name	User Title	Given Name	Middle Name	Last Name	Organization Position	Country	User Type
AutoTESTDND	AutomationOrg		auto		user1	Supervisor	India	MEMBER
AutoTESTDND	AutomationOrg		auto		user2	supervisor	India	MEMBER
AutoTESTDND	AutomationOrg		auto		user3	sue	India	MEMBER
AutoTESTDND	Blue_Ladder		Blue2		Lad2	Advisor	India	MEMBER
AutoTESTDND	EagleHomes#1		Lohith		s	doc	India	MEMBER
AutoTESTDND	Ivy Homes20%24\$		Juhi		Rawat	doc	India	MEMBER
AutoTESTDND	OCI & IPL		Ritu		i	Supervisor	India	MEMBER
Blue Lagoon	Blue_Ladder	Mr	Alexander		Thomas	Sr. Principal Consultant	India	MEMBER
Blue Lagoon	Blue_Ladder	Mr	Blue		three	QA	India	MEMBER
Blue Lagoon	Blue_Ladder	Mr	David		Pearce	Strategy Snr Manager	India	MEMBER
Blue Lagoon	Blue_Ladder	Mr	Edward		Adams	Account Manager	India	MEMBER
Blue Lagoon	Blue_Ladder	Mr	EstebanAndres	Valdebenito	Toloza	Product Manager	India	MEMBER
Blue Lagoon	Blue_Ladder	Mr	Jeff		Marsh	Consultant	India	MEMBER
Blue Lagoon	Blue_Ladder	Mr	Matt		Robertson	Consultant	India	MEMBER
Blue Lagoon	Blue_Ladder	Mr	Najmeddine		Jardak	Customer Success Manager	India	MEMBER
Blue Lagoon	Blue_Ladder	Mrs	Danielle		McNair	Sales Consultant	India	MEMBER
Blue Lagoon	Blue_Ladder	Ms	Simma		Singh	Senior Product Manager	India	MEMBER
Blue Lagoon	Blue_Ladder	Ms	blue		five	QA	India	MEMBER
Blue Lagoon	Blue_Ladder	Ms	blue		four	Application engineer	India	MEMBER
Blue Lagoon	Blue_Ladder		Alan		Haslop	sc	India	MEMBER
Blue Lagoon	Blue_Ladder		Alisha		Graham	sc	India	MEMBER
Blue Lagoon	Blue_Ladder		Bhavya		Jadeja	sc	India	MEMBER
Blue Lagoon	Blue_Ladder		Blue2		Lad2	Advisor	India	MEMBER
Blue Lagoon	Blue_Ladder		Chintan		chintan.a.mehta@oracle.com	Principal Solution Engineer, CEGBU SW - Presales	India	MEMBER
Blue Lagoon	Blue_Ladder		Chris		Cunnington	sc	India	MEMBER
Blue Lagoon	Blue_Ladder		Dale		Rimmington	SC	India	MEMBER
Blue Lagoon	Blue_Ladder		Darci		Kidd	sc	India	MEMBER
Blue Lagoon	Blue Ladder		Euan		Gamble	sc	India	MEMBER

## Figure 44: Users, Projects, and Organizations Sample Dashboard - Details

## Table 71: Project Status - Dimensions

Canvas	<b>Dimension / Attribute</b>	Subject Area / Dataset
All Canvas	Project Name	Aconex – User Project Organization

Canvas	Dimension / Attribute	Subject Area / Dataset
All Canvas	User Type	Aconex – User Project Organization
All Canvas	Organization Name	Aconex – User Project Organization
Details	User Title	Aconex – User Project Organization
Details	Given Name	Aconex – User Project Organization
Details	Middle Name	Aconex – User Project Organization
Details	Last Name	Aconex – User Project Organization
Details	Organization Position	Aconex – User Project Organization
Details	Country	Aconex – User Project Organization

#### Table 72: Project Status – Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Overview	# of Projects	Fact	Aconex – User Project Organization
Overview	# of Organization	Fact	Aconex – User Project Organization
Overview	# of Users	Fact	Aconex – User Project Organization

#### Table 73: Budget Insights - Filters

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute	Subject Area / Dataset
Details	Canvas	No	Organization Name	Aconex – User Project Organization
Details	Canvas	No	Project Name	Aconex – User Project Organization

#### Mails Sample Dashboard

**Description:** The data displayed in the **Aconex - Mails** dashboard, and in any out-of-the-box or custom dashboard is based on the projects that you have access in Aconex.

Use the Aconex - Mails dashboard to discover information such as (but not limited to):

- Identify existing red flags on your projects like delayed correspondences
- Identify the most/least active organizations based on mail correspondences/responses
- Compare and analyze mail activity across the project portfolio
- > Track KPIs, view mail details, etc.

You can also create your own data sets and/or data flows to:

- Implement custom logic to get deeper insights like Avg. RFI turnaround time, Mails overdue >N days, etc.
- > Achieve custom dashboard requirements using Mail Project Fields
- Create use cases that need linking other subject areas with Mails, etc.

Number of Canvases: 4

Default Canvas: Activity

Canvas/Dashboard Name: Mails Sample Dashboard

Data Source(s): Aconex

Subject Area: not applicable

Dataset: Mail DS 1-11-23

#### Dashboard



Figure 45: Aconex - Mails Sample Dashboard - Activity



## Figure 46: Aconex - Mails Sample Dashboard - Overview

Details											
V Project Name: Blue Lagoon Mail Type: Notification Mail Status: Overdue From Organization: All											
Mail Details											
	Project Name	Reference Number	Mail Number	Mail Type	Sent Date	From Organization	From User	To Organization	To User	Mail Status	Reason for Issue
	Blue Lagoon	BLUE-NTF-000001	BLUE-NTF-000001	Notification	01/11/2023 10:08:04.000 AM	Blue_Ladder	Uma Thiruvengadam	Ivy Homes20%24\$	Juhi Rawat	Overdue	

Figure 47: Aconex - Mails Sample Dashboard - Details

Project Name: AutoTESTDND Mail Type: All Reply Typ	e: All Recipient Type: All Mail Status:	All							
Mail Thread Details									_
	Reference     Number	Mail Number	Mail Type	Reply Type	▲ Sent Date	From Organization	To Organization	Mail Status	
							Blue_Ladder	N/A	1
	ATO-CR-000001	ATO-CR-000001	Catering Request	ORIGINAL	08/08/2023 05:02:08.000 AM	AutomationOrg	Eagle Homes#1	N/A	1
							Ivy Homes20%24\$	N/A	
							Blue_Ladder	Responded	
	and the second sec	ATO-RFI-000001	Request For Information	ORIGINAL	08/08/2023 06:23:18.000 AM	AutomationOrg	Eagle Homes#1	Overdue	П
	ATO-RFI-000001						Ivy Homes20%24\$	Responded	
		BLUE-RFI-000001	Request For Information	RESPONSE	08/08/2023 06:23:22.000 AM	Blue_Ladder	AutomationOrg	Overdue	
							Blue_Ladder	Responded	
		ATO-RFI-000002	Request For Information	ORIGINAL	08/08/2023 06:23:24.000 AM	AutomationOrg	Eagle Homes#1	Overdue	
	ATO-RFI-000002						Ivy Homes20%24\$	Responded	
		BLUE-RFI-000002	Request For Information	RESPONSE	08/08/2023 06:23:28.000 AM	Blue_Ladder	AutomationOrg	Overdue	
			000003 Request For Information				Blue_Ladder	Responded	
	170 051 000007	ATO-RFI-000003		ORIGINAL	08/08/2023 06:23:30.000 AM	AutomationOrg	Eagle Homes#1	Overdue	
	AT0-RFI-000005						Ivy Homes20%24\$	Overdue	
		BLUE-RFI-000003	Request For Information	RESPONSE	08/08/2023 06:23:34.000 AM	Blue_Ladder	AutomationOrg	Overdue	
							Blue_Ladder	Responded	
	170 051 000004	ATO-RFI-000004	Request For Information	ORIGINAL	L 08/08/2023 06:23:36.000 AM	AutomationOrg	Eagle Homes#1	Overdue	
	AT0-RFI-000004						Ivy Homes20%24\$	Responded	
		BLUE-RFI-000004	Request For Information	RESPONSE	08/08/2023 06:23:40.000 AM	Blue_Ladder	AutomationOrg	Overdue	
							Blue_Ladder	Responded	
	170 051 000005	ATO-RFI-000005	Request For Information	ORIGINAL	08/08/2023 06:23:42.000 AM	AutomationOrg	Eagle Homes#1	Overdue	
	ATO-RFI-000005						Ivy Homes20%24\$	Responded	
		BLUE-RFI-000005	Request For Information	RESPONSE	08/08/2023 06:23:46.000 AM	Blue_Ladder	AutomationOrg	Overdue	
							Blue_Ladder	Responded	
		ATO-RFI-000006	Request For Information	ORIGINAL	08/08/2023 06:23:48.000 AM	AutomationOrg	Eagle Homes#1	Overdue	
	ATO-RFI-000006						Ivy Homes20%24\$	Responded	
		BLUE-RFI-000006	Request For Information	RESPONSE	08/08/2023 06:23:52.000 AM	Blue Ladder	AutomationOrg	Overdue	

Figure 48: Aconex - Mails Sample Dashboard - Mail Thread

Canvas	Dimension / Attribute	Subject Area / Dataset
Activity Details Mail Thread	Sent Date	Mail DS 1-11-23
Activity Overview Details	Project Name	Mail DS 1-11-23
Overview Details Mail Thread	Mail Type	Mail DS 1-11-23
Overview Details Mail Thread	To Organization	Mail DS 1-11-23
Overview Details Mail Thread	From Organization	Mail DS 1-11-23
Details Mail Thread	Reference Number	Mail DS 1-11-23
Details Mail Thread	Mail Number	Mail DS 1-11-23
Details	From User	Mail DS 1-11-23
Details	To User	Mail DS 1-11-23
Details Mail Thread	Mail Status	Mail DS 1-11-23
Details	Reason for Issue	Mail DS 1-11-23
Mail Thread	Reply Type	Mail DS 1-11-23

## Table 74: Project Status - Dimensions

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Activity Overview	# of Mails (Inbox)	Fact	Mail DS 1-11-23
Activity Overview	# of Mails (Sent)	Fact	Mail DS 1-11-23
Activity Overview	# of Mails (Sent + Inbox)	Fact	Mail DS 1-11-23

## Table 75: Project Status – Measures

# Table76: Budget Insights - Filters

Canvas	Filter Type	ls Expression Filter	Dimension / Attribute	Subject Area / Dataset
All Canvas	Canvas	No	Project Name	Mail DS 1-11-23
Activity Details Mail Thread	Canvas	No	Mail Type	Mail DS 1-11-23
Overview	Dashboard	No	Mail Type	Mail DS 1-11-23
Overview	Visualization	No	Mail Status	Mail DS 1-11-23
Overview	Visualization	Yes	<pre>RANK(FILTER(XS A('blue2'.'Mai l DS 1-11-23')."Aco nex - Mails"."# of Mails (Sent)" USING XSA('blue2'.'M ail DS 1-11-23')."Aco nex - Mails"."Mail Status"='Overd ue') BY XSA('blue2'.'M ail DS 1-11-23')."Aco nex - Mails"."Projec t Name") &lt;=5</pre>	Mail DS 1-11-23

Canvas	Filter Type	ls Expression Filter	Dimension / Attribute	Subject Area / Dataset
Overview	Visualization	Yes	<pre>RANK(FILTER(XS A('blue2'.'Mai l DS 1-11-23')."Aco nex - Mails"."# of Mails (Inbox)" USING XSA('blue2'.'M ail DS 1-11-23')."Aco nex - Mails"."Mail Status"='Overd ue') BY XSA('blue2'.'M ail DS 1-11-23')."Aco nex - Mails"."Projec t Name") &lt;=5</pre>	Mail DS 1-11-23
Details Mail Thread	Canvas	Yes	Mail Status	Mail DS 1-11-23
Details	Canvas	No	From Organization	Mail DS 1-11-23
Details	Canvas	No	To Organization	Mail DS 1-11-23
Mail Thread	Canvas	No	Reply Type	Mail DS 1-11-23
Mail Thread	Canvas	No	Recipient Type	Mail DS 1-11-23

## **Documents Sample Dashboard**

**Description:** The data displayed in the **Aconex - Documents** sample dashboard, and in any out-of-the-box or custom dashboard is based on theprojects that you haveaccess in Aconex.

Use the Aconex - Documents dashboard to discover information such as, (but not limited to):

- Compare statistics across the project portfolio such as documents registered by type, status, discipline, organizations, etc.
- > Track activity such as organizations that modified or transmitted the most/least docs
- View document details, etc.

You can also create your own data sets and/or data flows to:

- Find if you have shared/transmitted the latest document revision/version, etc.
- Achieve custom dashboard requirements
- Create use cases that need links with Documents, etc.

#### Number of Canvases: 4

Default Canvas: Activity

Canvas/Dashboard Name: Documents Sample Dashboard

Data Source(s): Aconex

Subject Area: Aconex - Documents, Aconex - Workflow

#### Datasets:

#### Dashboard



Figure 49: Aconex - Documents Sample Dashboard - Activity



Figure 50: Aconex - Documents Sample Dashboard - Details

emonTreeAuto												
ails												
	Project Name	Document Number	Title	туре	Discipline	Revision	Version	Date Modified	Modified By	Review Source	ReviewStatus	
	LemonTreeAuto	1234_000	T1	Budget	Architectural	1	1	09/06/2023 3:52:18 AM	Ritu j		None	- 4
	LemonTreeAuto	1234_poo	T1	Budget	Architectural	1	1	09/27/2023 12:40:43 AM	Blue2 Lad2		None	_
	LemonTreeAuto	1235	Test Comments	Commercial Document	Civil	1	2	08/15/2023 8:28:03 AM	Ritu j	WF-000034	Pending	1
	LemonTreeAuto	1235	Test Comments	Commercial Document	Civil	1	2	08/15/2023 8:32:46 AM	Uma Thiruvengadam	WF-000034	Pending	
	LemonTreeAuto	246_TO_244	ABC	Contract	Architectural	1	1	06/15/2023 6:26:36 AM	Blue three		None	
	LemonTreeAuto	246_TO_244	ABC	Contract	Architectural	1	2	08/02/2023 6:56:32 AM	Blue three	WF-000029	Pending	
	LemonTreeAuto	246_TO_244	ABC	Contract	Architectural	1	2	08/03/2023 3:16:07 AM	Ritu j	WF-000029	Pending	
	LemonTreeAuto	246_TO_244	ABC	Contract	Architectural	1	2	08/03/2023 6:14:16 AM	Blue three	WF-000029	Pending	
	LemonTreeAuto	AUTOREG	AUTOREG	Drawing	Civil	12	1	08/03/2023 12:15:22 AM	Ritu j		None	
	LemonTreeAuto	AUTOREG	AUTOREG	Drawing	Civil	12	1	08/03/2023 1:39:41 AM	Uma Thiruvengadam		None	
	LemonTreeAuto	CLDL1	CLDL1	Drawing	Civil	CLDL1	2	08/28/2023 2:19:57 AM	Ritu j	WF-000035	Pending	
	LemonTreeAuto	CLDL1	CLDL1	Drawing	Civil	CLDL1	2	08/29/2023 1:29:21 AM	Lohith S	WF-000035	Pending	
	LemonTreeAuto	CLDL1	CLDL1	Drawing	Civil	CLDL1	2	08/29/2023 2:37:47 AM	Juhi Rawat	WF-000035	Pending	
	LemonTreeAuto	CLDL1	CLDL1	Drawing	Civil	CLDL1	2	08/29/2023 2:43:18 AM	Ritu j	WF-000035	Pending	
	LemonTreeAuto	CLDL1	CLDL1	Drawing	Civil	CLDL1	2	08/29/2023 2:45:45 AM	GCB TWO	WF-000035	Pending	
	LemonTreeAuto	CLDL1	CLDL1	Drawing	Civil	CLDL1	2	08/29/2023 2:49:52 AM	blue four	WF-000035	Pending	
	LemonTreeAuto	CLDL1	CLDL1	Drawing	Civil	CLDL1	2	11/06/2023 5:25:21 AM	blue four	WF-000035	Pending	
	LemonTreeAuto	CLDL1	CLDL1	Drawing	Civil	CLDL1	2	11/06/2023 5:25:25 AM	blue four	WF-000035	Pending	
	LemonTreeAuto	CLDL1	CLDL1	Drawing	Civil	CLDL1	2	11/06/2023 5:25:26 AM	blue four	WF-000035	Pending	
	LemonTreeAuto	CLDL1	CLDL1	Drawing	Civil	CLDL1	2	11/06/2023 5:25:27 AM	blue four	WF-000035	Pending	
	LemonTreeAuto	CLDL1	CLDL1	Drawing	Civil	CLDL1	2	11/06/2023 5:25:28 AM	blue four	WF-000035	Pending	
	LemonTreeAuto	CLDL1	CLDL1	Drawing	Civil	CLDL1	3	08/29/2023 2:52:40 AM	blue four	WF-000035	Approved with Comment	
	LemonTreeAuto	CLDL10	CLDL10	Scope of Work	Architectural	CLDL10	2	08/28/2023 2:20:11 AM	Ritu j	WF-000035	Pending	
	LemonTreeAuto	CLDL10	CLDL10	Scope of Work	Architectural	CLDL10	2	08/29/2023 1:29:21 AM	Lohith S	WF-000035	Pending	
	LemonTreeAuto	CLDL10	CLDL10	Scope of Work	Architectural	CLDL10	2	08/29/2023 2:37:47 AM	Juhi Rawat	WF-000035	Pending	
	LemonTreeAuto	CLDL10	CLDL10	Scope of Work	Architectural	CLDL10	2	08/29/2023 2:43:18 AM	Ritu j	WF-000035	Pending	
	LemonTreeAuto	CI DI 10	CLDI 10	Scope of Work	Architectural	CI DI 10	2	08/29/2023 2:45:45 AM	GCB TWO	WE-00035	Pending	

Figure 51: Aconex - Documents Sample Dashboard - Details

Project     Name	Document Number	Title	Revision	Version	Mail Number	Mail Type	From Organization	To Organization
AutoTESTON	AUTODOC2	40700002	812	1	4TO-TRN-000002	Transmittal	AutomationOrg	AutomationOrg
natores rond	NOTODOCE	Norobocz	Dit	*	100.00002			Blue_Ladder
Green Homer	Rtest-MethodStatement-A01	Rtest-MethodStatement-A01-Title	801	1	GCB-TRN-000001	Transmittal	Green_Concrete-Builder('GCB') !#%	Blue_Ladder
GILCHIPHINES	Ver1	Excel	1	1	GCB-TRN-000002	Transmittal	Green_Concrete-Builder('GCB') !#%	Blue_Ladder
	1234_poo	T1	1	1	OCIIPL-TRN-000030	Transmittal	OCI & IPL	Blue_Ladder
						-		Green Concrete Builder(GCB)
	246_T0_244	ABC	1	1	BLUE-TRN-000019	Transmittal	Blue_Ladder	OCI & IPL
								Blue_Ladder
	AUTOREG	AUTOREG	12	1	OCIIPL-TRN-000022	Transmittal	OCI & IPL	OCI & IPL
	Doc_WF_03	Doc_WF_03	FT_1	1	OCIIPL-TRN-000008	Transmittal	OCI & IPL	Blue_Ladder
	InfoDoc_02	InfoDoc_02	Dr81	3	OCIIPL-TRN-000002	Transmittal	OCI & IPL	Blue_Ladder
	InfoDoc_04	InfoDoc_04	DD99	1	OCIIPL-TRN-000004	Transmittal	OCI & IPL	Blue_Ladder
	MyDoc2	MyDoc2	в	4	IVY-TRN-000001	Transmittal	Ivy Homes20%24\$	Blue_Ladder
					BLUE-TRN-000040	Transmittal	Blue_Ladder	OCI & IPL
	NAGADOC1	ABC	a	1	IVY-TRN-000002	Transmittal	Ivy Homes20%24\$	Blue_Ladder
		NTEST1	1	1	OCIIPL-TRN-000010	Transmittal	OCI & IPL	Blue_Ladder
	NTEST1				BLUE-TRN-000040	Transmittal	Blue_Ladder	OCI & IPL
		NTEST1	1	2	OCIIPL-TRN-000011	Transmittal	OCI & IPL	Blue_Ladder
					BLUE-TRN-000035	Transmittal	Blue_Ladder	OCI & IPL
								Blue_Ladder
	PNG1	YR_1	A	1	OCIIPL-TRN-000028	Transmittal	OCI & IPL	Ivy Homes20%24\$
								OCI & IPL
								Eagle Homes#1
	PNG1 copy 10	YR_3	A	1	BLUE-TRN-000031	Transmittal	Blue_Ladder	Environment First
								Ivy Homes20%24\$
								Ivy Homes20%24\$
	PNG1 copy 15	YR_26	A	1	BLUE-TRN-000024	Transmittal	Blue_Ladder	OCI & IPL



Canvas	Dimension / Attribute	Subject Area / Dataset
Activity	Mail Type	Aconex – Documents
Doc Transmittals		
All Canvas	Project Name	Aconex – Documents
Overview	Review Status	Aconex – Documents
Details		
Overview	Туре	Aconex – Documents
Details		
Overview	Discipline	Aconex – Documents
Details		
Details	Document Number	Aconex – Documents
Doc Transmittals		
Details	Title	Aconex – Documents
Doc Transmittals		
Details	Revision	Aconex – Documents
Doc Transmittals		
Details	Version	Aconex – Documents
Doc Transmittals		
Details	Date Modified	Aconex – Documents
Details	Modified By	Aconex – Documents
Details	Review Source	Aconex – Documents
Doc Transmittals	Mail Number	Aconex – Documents
Doc Transmittals	From Organization	Aconex – Documents
Doc Transmittals	To Organization	Aconex – Documents

Table 77: Project Status - Dimensions

## Table 78: Project Status – Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Activity Overview	# of Registered Documents	Fact	Aconex – Documents
Activity	# of Docs Attached in Workflows	Fact	Aconex - Workflow

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Activity	# of Docs (Transmittals Sent + Received)	Fact	Aconex – Documents
Activity	# of Docs (Transmittals Sent)	Fact	Aconex – Documents
Activity	# of Docs (Transmittals Received)	Fact	Aconex – Documents

#### Table 79: Budget Insights - Filters

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute	Subject Area / Dataset
Activity Overview Details	Canvas	No	Project Name	Aconex – Documents
Overview	Dashboard	No	Review Status	Aconex – Documents
Overview	Dashboard	No	Туре	Aconex – Documents
Doc Transmittals	Canvas	No	Mail Type	Aconex – Documents

## Workflow Sample Dashboard

**Description:** The data displayed in the **Aconex - Workflow** dashboard, and in any out-of-the-box or custom dashboard is based on the projects that you have access in Aconex.

Use the Aconex - Workflow dashboard to discover information such as, (but not limited to):

- Identify already delayed Workflow document reviews across project portfolio
- > Know organizations holding on the Workflow document reviews for longer than N days
- Find the projects with max overdue workflow document review/steps
- View KPIs, track workflow document review status, etc.

You can also create your own data sets and/or data flows to:

- Classify workflows as low to extreme delay
- > Create use cases that need linking other subject areas with workflows, etc.

Number of Canvases: 3

Default Canvas: Activity

Canvas/Dashboard Name: Workflow Sample Dashboard

Data Source(s): Aconex

## Subject Area:

Datasets: WF DS 12-11-23

#### Dashboard



Figure 53: Aconex - Workflow Sample Dashboard - Activity



## Figure 54: Aconex - Workflow Sample Dashboard - Overview

Figure 55: Aconex - Workflow Sample Dashboard - Details

Canvas	Dimension / Attribute	Subject Area / Dataset
All Canvas	Project Name	WF DS 12-11-23
Overview Details	Step Status	WF DS 12-11-23
Overview Details	Assigned To Organization	WF DS 12-11-23
Details	Workflow Number	WF DS 12-11-23
Details	Workflow Status	WF DS 12-11-23
Details	Start Date	WF DS 12-11-23
Details	End Date	WF DS 12-11-23
Details	Initiator Organization	WF DS 12-11-23
Details	Step Name	WF DS 12-11-23
Details	Date In	WF DS 12-11-23
Details	Original Due Date	WF DS 12-11-23
Details	Date Due	WF DS 12-11-23
Details	Date Completed	WF DS 12-11-23
Details	Review Status	WF DS 12-11-23
Details	Step Outcome	WF DS 12-11-23
Details	Days Late	WF DS 12-11-23

## Table 80: Project Status - Dimensions

## Table 81: Project Status – Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Activity	# of Workflows	Fact	WF DS 12-11-23
Overview			
Activity	# of Docs Attached in Workflows	Fact	WF DS 12-11-23
Activity	# of Workflow Document Steps	Fact	WF DS 12-11-23
Overview			

Canvas	Filter Type	ls Expression Filter	Dimension / Attribute	Subject Area / Dataset
Activity Details	Canvas	No	Project Name	WF DS 12-11-23
Activity Details	Canvas	No	Assigned To Organization	WF DS 12-11-23
Overview	Visualization	No	Step Status	WF DS 12-11-23
Overview	Visualization	Yes	<pre>XSA('<user name&gt;'.'WF DS 12-11-23')." Aconex - Workflow"."I nitiator Organization " = XSA('<user name&gt;'.'WF DS 12-11-23')." Aconex - Workflow"."M y Organization "</user </user </pre>	WF DS 12-11-23

# Table 82: Budget Insights - Filters

Canvas	Filter Type Is Exp Filter	ls Expression Filter	Dimension / Attribute	Subject Area / Dataset
Overview	Visualization	Yes	RANK(FILTER( XSA(' <user name&gt;'.'WF DS 12-11-23')." Aconex - Workflow"."# of Workflow Document Steps" USING XSA('<user name&gt;'.'WF DS 12-11-23')." Aconex - Workflow"."I nitiator Organization " = XSA('<user name&gt;'.'WF DS 12-11-23')." Aconex - Workflow"."MY y Organization " AND XSA('<user name&gt;'.'WF DS 12-11-23')." Aconex - Workflow"."S tep Status" = 'Overdue') BY XSA('<user name&gt;'.'WF DS 12-11-23')." Aconex - Workflow"."S tep Status" = 'Overdue') BY XSA('<user name&gt;'.'WF DS 12-11-23')." Aconex - Workflow"."P roject Name") &lt;= 5</user </user </user </user </user </user 	WF DS 12-11-23

Canvas	Filter Type	ls Expression Filter	Dimension / Attribute	Subject Area / Dataset
Overview	Visualization	Yes	<pre>XSA('<user name&gt;'.'WF DS 12-11-23')." Aconex - Workflow"."A ssigned To Organization " = XSA('<user name&gt;'.'WF DS 12-11-23')." Aconex - Workflow"."M Y Organization "</user </user </pre>	WF DS 12-11-23

Canvas	Filter Type I E F	ls Expression Filter	Dimension / Attribute	Subject Area / Dataset
Details	Canvas	Yes	<pre>RANK(FILTER( XSA('<user name&gt;'.'WF DS 12-11-23')." Aconex - Workflow"."# of Workflow Document Steps" USING XSA('<user name&gt;'.'WF DS 12-11-23')." Aconex - Workflow"."I nitiator Organization " = XSA('<user name&gt;'.'WF DS 12-11-23')." Aconex - Workflow"."MY y Organization " AND XSA('<user name&gt;'.'WF DS 12-11-23')." Aconex - Workflow"."S tep Status" = 'Overdue') BY XSA('<user name&gt;'.'WF DS 12-11-23')." Aconex - Workflow"."S tep Status" = 'Overdue') BY XSA('<user name&gt;'.'WF DS 12-11-23')." Aconex - Workflow"."P roject Name") &lt;= 5</user </user </user </user </user </user </pre>	WF DS 12-11-23

# Data Visualizations Using Blended Data

The following data visualizations use data blended from on or more source applications.

- Cost Overview Project (on page 141)
- Project Performance Measurement (on page 143)

#### **In This Section**

Cost Overview Project	141
Project Performance Measurement	143

#### **Cost Overview Project**

**Description:** This project gives an Executive/PMO insights on how the organization is tracking its budgeted cost and where most of the cost/work is going to happen. This helps them focus on the key portfolios and gather how they are performing to cost. In case there are outliers, the users can take pre-emptive corrective actions.

Number of Canvases: 1

Default Canvas: Cost KPI's Global Outlook

Canvas/Dashboard Name: Cost KPI's Global Outlook

Data Source(s): P6 EPPM, Unifier

Subject Areas: P6-Project History, P6-Activity, P6-Resource Utilization, and Unifier-Cash Flow



## Figure 56: Cost Overview Default Canvas

#### Table 83: Cost KPI's Global Outlook - Dimensions

Canvas	Dimension / Attribute	Subject Canvas Area / Dataset
Cost KPI's Global Outlook	Country Name	P6 - Project History
Cost KPI's Global Outlook	Quarter Name	P6 - Activity
Cost KPI's Global Outlook	Portfolio Name	P6 - Activity

#### Table 84: Cost KPI's Global Outlook - Measures

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Cost KPI's Global Outlook	Baseline Project Total Cost	Fact	P6 - Project History
Cost KPI's Global Outlook	Actual Total Cost	Fact	P6 - Project History
Cost KPI's Global Outlook	Remaining Total Cost	Fact	P6 - Project History

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Cost KPI's Global Outlook	Planned Total Cost	Fact	P6 - Project History
Cost KPI's Global Outlook	Forecast	Fact	Unifier – Cash Flow
Cost KPI's Global Outlook	Budget At Completion Cost	Fact	P6 - Activity
Cost KPI's Global Outlook	Estimate At Completion Cost	Fact	P6 - Activity

#### Table 85: Cost KPI's Global Outlook - Filters

Canvas	Filter Type	Is Expression Filter	Dimension / Attribute	Subject Area / Dataset
Cost KPI's Global Outlook	Dashboar d	No	Month Name	P6 – Resource Utilization
Cost KPI's Global Outlook	Visualizat ion	No	Portfolio Name	P6 - Activity

#### Table 86: Cost KPI's Global Outlook - Data Actions

Data Action Name	Action Type	Anchor To	Target	Canvas Link	Pass Values	Multiselect ion
Test DA	Analytics Link	None	CEO DB Project	Canvas 1	All	On

#### **Project Performance Measurement**

Number of Canvases: 6

Default Canvas: Overview

Canvas/Dashboard Name: Project Performance Measurement

Data Sources: P6 EPPM, Unifier

**Subject Areas**: P6-Activity, Unifier- Cost Sheet, Unifier – Cash Flow, P6 – Project History, Unifier – Business Process

#### Datasets: Not applicable.



#### Figure 57: Project Performance Measurement - Overview Dashboard



Figure 58: Project Performance Measurement - Cost


#### Figure 59: Project Performance Measurement - Earned Quantity



Figure 60: Project Performance Measurement - Earned Duration

Prior		<u>ስ (4 ආ</u>					repare Visualize Narrate				Project Performance Measurement											
Original and Revised Budget       Revised Budget	(1)										Project Name All											
Forecast       Revised Budget       Forecast       In Average Crightal Budget       Forecast       In Average Crightal Budget         \$59,591,100       \$55,060,288       \$30       \$200       \$200       \$300       \$300       \$500         Change Orders       \$5       \$50       \$10M       \$20M       \$30M       \$40M       \$50M         Change Orders       \$765,974       The       Record Number       Line Number       Line Number       Additional Cooling Units       \$2000 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>Original and Revised Budget</th></td<>											Original and Revised Budget											
\$59,591,100       \$55,060,288       Solution				t Average Orlginal Budget	get 🔳 Forecasi	Revised Budg	Original Budget			Revised Budget	Forecast											
So         S10M         S20M         S30M         S40M         S50M           Change Orders           Additional Colsing Units         Concrete and Macorry Work         Colopit         1         Concrete         7           Concrete and Macorry Work         Colopit         1         Concrete         72000         2         Cate-trinsec Concrete         72000         2         Concrete and Macorry Work         Colopit         1         Concrete and Macorry Work         Colopit         1         Concrete         72000         2         Cate-trinsec Concrete         72000         2<					M	\$29			38	\$55,060,2	\$59,591,100											
S0         S10M         S20M         S30M         S40M         S50M           Change Orders           Approved Change Orders           Additional Cooling Units         Co-005         1         Additional Cooling Units         Corresto - Resistant Manory         5000           Concrete and Manory Vites         Co-005         1         Additional Cooling Units         Corresto - Resistant Manory         54000           Concrete and Manory Vites         CO-001         1         Corresto - Resistant Manory         540000         5           So           So         Concrete and Manory Vites         CO-001         1         Corresto-Resistant Manory         540000           Concrete and Manory Vites         CO-001         1         Controls - Resistant Manory         540000         5         <	\$60M	300101																				
Solution	\$60	A		\$40M	\$30M		\$10M \$20M	\$0														
Approved Change Orders         Status         Project Name         Title         Record Number         Line Number         Line Discription         Manual         Image           \$765,974         Adational Coding Units         CO-000         1         Additional Cooling Units         CO-000         1         Additional Cooling Units         \$7600           Pending Change Orders         Adational Coding Units         Concrete Adational Fieling Initiation Later         \$8000         1         Additional Fieling Initiation Later         \$8000         1         \$8000         \$8000         1         \$8000         1         \$8000         1         \$8000         1         \$8000         1         \$8000         1         \$8000         1         \$8000         1         \$8000         1         \$8000         1											Change Orders											
Approved       Additional Coding Units       C-0405       1       Additional Codoling Unit       S5000         S765,974       Controls and Maconny Work       C-0401       1       Controls-Resistant Maconny       440000         Pending Change Orders       Basis Materianis-Control       S2000       -			Amount	Line Description	Line Number	Record Number	Title	Project Name	Status		Approved Change Orders											
\$765,974              1			\$35000 -	Additional Coolking Unit	1	CO-005	Additional Cooling Units	Alaska University - Anchorage	Approved													
Pending Change Orders			\$40000	Corrosion-Resistant Masonry	1	CO-001	Concrete and Masonry Work				\$765,974											
Pending Change Orders         Extent renoring - steel excatation         3         Catal-near Concrete         97000           \$0         Extent renoring - steel excatation         2         Additional Piping institution table         5000           \$0         Concrete Labor         6         0         0         0         0           \$0         Concrete Labor         6         0			\$25000	Basic Materials - Concrete	2					+ ,												
Pending Change Orders         Facility New Construction Projet         Exhaust recording - steel seculation         Co.0404         1         Additional Projet meliation Later         5000           \$0			\$76000	Cast-in-Place Concrete	3		Exhaust rerouting - steel escalation C															
Pending Change Orders         2         Additional pending pe			\$6000	Additional Piping installation Labor	1	CO-004																
Pending Change Orders         0         Concrete Labor         64200           \$0         4         Steel Prescalation         \$12000           Additional Earthwork         CO-030         1         Earthwork         \$12000           Additional Earthwork         CO-0402         1         Bite Prescalation         \$12000           Additional Earthwork         CO-0402         1         Bite Prescalation         \$12000           Change Order, Rivie Checkh         CO-0402         1         Line 1         \$4001           Change Order, Rivie Checkh         CO-0400         1         Line 1         \$4001           Change Order, Rivie Checkh         CO-0400         1         Line 1         \$4001           Change Order, Rivie Checkh         CO-0400         1         Line 1         \$4001           Change Order, Rivie Checkh         CO-0400         1         Line 1         \$4001           Change Order, Rivie Checkh         CO-0400         1         Line 1         \$4001           Change Order, Rivie Checkh         CO-0400         1         Line 1         \$4001           Change Order, Linity Services         Colored         1         Utitity Services         \$3000           Change Order - Linity sepanies         Colored </td <td></td> <td></td> <td>\$1640</td> <td>Additional Piping installation Labor</td> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td>			\$1640	Additional Piping installation Labor	2																	
SO         Additional Earthmark         CO-00         1         Stee Preparation         S2000           Additional Elembmark         CO-00         1         Earthmark         S2000           Additional Elembmark         CO-000         1         Earthmark         S2000           Chango Order /Rile Check)         CO-000         1         Earthmark         S2000           Chango Order /Rile Check)         CO-000         1         Line 1         S4001           Chango Order /Rile Check)         CO-000         1         Line 1         S4001           Chango Order /Rile Check)         CO-000         1         Line 1         S4001           Chango Order /Rile Check)         CO-000         1         Line 1         S4001           Chango Order /Rile Check)         CO-000         1         Line 1         S4001           Chango Order /Rile Check)         CO-000         1         Line 1         S4001           Chango Order /Rile Check)         CO-000         1         Line 1         S4001           Chango Order /Rile Check)         CO-000         1         Line 1         S4001           Chango Order /Rile Check)         CO-010         1         Utility Services         S10001           Chango Order /			\$4200	Concrete Labor	3																	Pending Change Orders
SO         1         Earthwork         5300           Additional Earthwork         C0-003         1         Earthwork         5300           Additional Earthwork         C0-002         1         Bite Preparation         5200           Change Order (Rive Checis)         C0-002         1         Line 1         5400           Change Order (Rive Checis)         C0-009         1         Line 1         5400           Change Order (Rive Checis)         C0-009         1         Line 1         5400           Change Order (Rive Checis)         C0-009         1         Line 1         5400           Change Order (Rive Checis)         C0-010         1         Line 1         5400           Change Order (Rive Checis)         C0-010         1         Line 1         5400           Change Order (Rive Checis)         C0-010         1         Line 1         5400           Change Order (Rive)         C0-010         1         Unity Services         55000           Change Order 1         C0-010         1         Supplementary Conditions         515000           Delign for parting expansion         2         Product Requirements         515000			\$120000	Steel Price escalation	4																	
Additional file Prey Work         CO-002         1         Site Prevantion         5100           Additional file Prey Work         CO-002         1         Line 1         5400           Change Order (Rial Checi)-2         CO-003         1         Line 1         5400           Change Order (Rial Checi)-2         CO-010         1         Line 1         5400           Change Order (Rial Checi)-2         CO-010         1         Line 1         5400           Change Order (Rial Checi)-2         CO-010         1         Line 1         5400           Change Order (Rial Checi)-2         CO-010         1         Line 1         5400           Change Order (Rial Checi)-2         CO-010         1         Line 1         5400           Change Order (Rial)         CO-010         1         Uting Services         5300           Change Order 1         CO-010         1         Supplementary Conditions         51500           Design for parting separation         Co-010         1         Supplementary Conditions         51500           Design for parting separation         Co-010         1         Supplementary Conditions         51500			\$3080	Earthwork	1	CO-003	Addditional Earthwork	Facility New Construction Project			\$0											
Change Order (Rive Check)         Co-0408         Len 1         6401           Change Order (Rive Check)         C0-040         1         Len 1         5401           Status Approved Canceled Pending         Change Order (Rive Check)         C0-010         1         Len 1         54001           Change Order (Rive Check)         C0-010         1         Line 1         54001           Change Order (Rive Check)         C0-010         1         Line 1         54001           Change Order (-Littly Services)         C0-010         1         Littly Services         53001           Change Order 1         C0-011         1         Supplementary Canditions         513001           Design for pariting separation         C0-011         1         Supplementary Canditions         513001			\$1200	Site Preparation	1	CO-002	Additional Site Prep Work															
Change Order (Rule Check)-2         C0-099         1         Line 1         64001           Status         Approved         Co-100         1         Line 1         64001           Status         Approved         Co-010         1         Line 1         64001           Change Order (Rule)         Co-010         1         Line 1         64001           Change Order - Utilty Services         Co-014         1         Ultilty Services         55000           Change Order - Utilty Services         Co-016         1         Co-016         55000           Dign for parking expansion         Do-016         1         Supplementary Coddlines         55000           Dign for parking expansion         Do-014         1         Supplementary Coddlines         55000			\$4001	Line 1	1	CO-008	Change Order (Rule Check)															
Status         Approved         Canceled         Pending         Co-019         Line 1         54001           Change Order (Rule)         CO-017         Line 1         Status         Status         Status         Change Order (Rule)         CO-017         Line 1         Status         Status           Change Order (Rule)         CO-017         1         Line 1         Status         Sta			\$4001	Line 1	1	CO-009	Change Order (Rule Check) -2															
Change Order (Rule)         CO-007         1         Line 1         \$4001           Drange Order (Rule)         CO-007         1         Utility Services         5500           Change Order - Utility Services         CO-016         1         Utility Services         5500           Change Order - Utility Services         CO-016         1         COLine 2         \$3000           Design for parking expansion         CO-01         1         Supelmentary Conditions         \$1500           2         Product Requirements         S1500         \$1500         \$1500         \$1500			\$4001	Line 1	1	CO-010																
Change Order         Utility Services         CO-014         1         Utility Services         55000           Change Order 1         CO-014         CO Line 2         CO Line 2         S3000           Design for parking expansion         CO-014         1         Stupplementary Conditions         \$15000           2         Product Requirements         S3000         S3000         \$10000         \$10000			\$4001	Line 1	1	CO-007	Change Order (Rule)				Status Approved Canceled Pending											
Change Order 1         CO-016         1         CO Line 2         \$3300           Design for parking expansion         CO-001         1         Supplementary Conditions         \$15000           2         Product Requirements         33000			\$5000	Utility Services	1	CO-014	Change Order - Utility Services															
Design for parking expansion         CO-001         1         Supplementary Conditions         \$15000           2         Product Requiremts         \$3500			\$3000	CO Line 2	1	CO-016	Change Order 1															
2 Product Requiremts \$3600			\$15000	Supplementary Conditions	1	CO-001	Design for parking expansion															
			\$3600	Product Requiremts	2			Entry														
Entry glass framing - owner design change CO-912 1 More cowbell \$2259			\$2250	More cowbell	1	CO-012	Entry glass framing - owner design change															
Foundation design change 2 CO-005 1 Utility Services \$3550			\$3500	Utility Services	1	CO-005	Foundation design change 2															

# Figure 61: Project Performance Measurement - Changed Orders

Desired Manage													8
Project Name													69)
Activity Perform	mance												
Project Name	Activity Name	Adivity Status	Baseline Project Dutation	Actual Duration	Earned Duration	Estimated Duration at Completion	Estimated Days Late / (Early)	SPI (Qty)	CPI (Qty)	Planned Quantity	Earned Quantity	Schedule Variance (Oly)	
3D Prototype Project	Analyze New Product	Not Started	100.00	0.00						0.00			
	Commercialize New Product	Not Started	140.00	0.00						0.00			1
	Define Business Case	Not Starled	130.00	0.00						0.00			T
	Design New Product	Not Started	100.00	0.00						0.00			
	Develop New Product *	Not Started	110.00	0.00						0.00			
	Evaluate New Product	Not Started	168.00	0.00						0.00			
	Gate 1 - Idea Screen	Not Starled	0.00	0.00									
	Gate 2 - Second Screen	Not Started	0.00	0,00									
	Gate 3 - Go to Development	Not Started	0.00	0.00									
	Gate 4 - Go to Testing	Not Started	0.00	0.00									
	Gate 5 - Go to Launch	Not Started	0.00	0.00									
	Scope New Product Idea	Not Started	168.00	0.00						0.00			
	Test New Product	Not Started	250.00	0.00						0.00			
3D Prototype Project Total										0.00			
4G Tablet Project	Analyze New Product	Not Starled	80.00	0.00						340.00			
	Commercialize New Product	Not Started	320.00	0.00						0.00			
	Define Business Case	Not Started	40.00	0.00						110.00			
	Design New Product	Not Started	120.00	0.00						12.75			
	Develop New Product *	Not Started	240.00	0.00						0.00	900.00	900.00	
	Evaluate New Product	Not Started	280.00	0.00						0.00			
	Gate 1 - Idea Screen	Not Started	0.00	0.00									
	Gate 2 - Second Screen	Not Started	0.00	0.00									
	Gate 3 - Go to Development	Not Started	0.00	0.00									
	Gate 4 - Go to Testing	Not Started	0.00	0.00									
	Gate 5 - Go to Launch	Not Started	0.00	0.00									
	Scope New Product Idea	Not Started	45.00	0.00						112.50			
	Test New Product	Not Started	200.00	0.00						0.00			
4G Tablet Project Total								1.56		575.25	900.00	324.75	
ACH Integration Project	Create Plans	Not Started	352.00	0.00						0.00			
	Define Business Requiremen	Not Started	410.00	0.00						0.00			

## Figure 62: Project Performance Measurement - Activity Details

The following components have been used to create this data visualization.

## Table 87: Project Performance Measurement - Dimensions Table

Canvas	Dimension / Attribute	Subject Area / Dataset
Overview	Status	Unifier - Business Process
Overview	Business Process Name	Unifier - Business Process
Overview	Project Name	P6 - Activity
Overview	Link to Project	P6 - Activity

#### Table 88: Project Performance Measurement - Measures Table

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Cost	Initial Baseline	Fact	Unifier - Cash Flow
Cost	Current Baseline	Fact	Unifier - Cash Flow
Cost	Actuals	Fact	Unifier - Cash Flow
Cost	Forecast	Fact	Unifier - Cash Flow
Cost	Period Cost - Original Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Period Cost - Revised Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Period Cost - Actual Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Period Cost – Forecast	Calculated From Fact	Unifier - Cash Flow
Cost	Period Cost – EAC	Calculated From Fact	Unifier - Cash Flow / P6 - Activity
Cost	Cumulative Cost - Original Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Cumulative Cost - Revised Budget	Calculated From Fact	Unifier - Cash Flow

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Cost	Cumulative Cost - Actual Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Cumulative Cost - Forecast Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Cumulative Cost – EAC	Calculated From Fact	Unifier - Cash Flow / P6 - Activity
Cost	Period Cost - Actual Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Period Cost - Original Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Period Cost - Revised Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Period Cost - Forecast Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Period Cost – EAC	Calculated From Fact	Unifier - Cash Flow / P6 - Activity
Cost	Cumulative Cost - Original Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Cumulative Cost - Revised Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Cumulative Cost - Actual Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Cumulative Cost - Forecast Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Cumulative Cost – EAC	Calculated From Fact	Unifier - Cash Flow / P6 - Activity
Cost	Period Cost - Original Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Period Cost - Revised Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Period Cost - Actual Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Period Cost – Forecast	Calculated From Fact	Unifier - Cash Flow

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Cost	Cumulative Cost - Original Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Cumulative Cost - Revised Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Cumulative Cost - Actual	Calculated From Fact	Unifier - Cash Flow
Cost	Cumulative Cost - Forecast	Calculated From Fact	Unifier - Cash Flow
Cost	Cost - Estimate at Completion (EAC)	Calculated From Fact	Unifier - Cash Flow
Cost	Cost - Estimate to Completion (ETC)	Calculated From Fact	Unifier - Cash Flow / P6 - Activity
Cost	Cost - EAC % Revised Budget	Calculated From Fact	Unifier - Cash Flow / P6 - Activity
Cost	Cost - Variance at Completion (VAC)	Calculated From Fact	Unifier - Cash Flow
Cost	Period Cost - Actual Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Period Cost - Original Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Period Cost - Revised Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Period Cost – Forecast	Calculated From Fact	Unifier - Cash Flow
Cost	Cumulative Cost - Original Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Cumulative Cost - Revised Budget	Calculated From Fact	Unifier - Cash Flow
Cost	Cumulative Cost - Actual	Calculated From Fact	Unifier - Cash Flow
Cost	Cumulative Cost - Forecast	Calculated From Fact	Unifier - Cash Flow
Change Orders	Change Order count	Calculated From Fact	Unifier - Business Process

Canvas	Fact / Measure	Measure Type	Subject Area /
•			Dataset
Change Orders	Forecast	Fact	Unifier - Cash Flow
Change Orders	Revised Budget	Fact	Unifier - Cash Flow
Change Orders	Original Budget	Fact	Unifier - Cash Flow
Change Orders	Revised Budget	Fact	Unifier - Cash Flow
Change Orders	Forecast	Fact	Unifier - Cash Flow
Change Orders	Amount	Fact	Unifier - Business Process
Change Orders	Pending change order	Calculated From Fact	Unifier - Business Process
Change Orders	Amount	Fact	Unifier - Business Process
Activity Details	Earned Duration	Calculated From Fact	P6 - Activity
Activity Details	Estimated Duration at Completion	Calculated From Fact	P6 - Activity
Activity Details	Estimated Days Late / (Early)	Calculated From Fact	P6 - Activity
Activity Details	SPI (Qty)	Calculated From Fact	P6 - Activity
Activity Details	CPI (Qty)	Calculated From Fact	P6 - Activity
Activity Details	Planned Quantity	Calculated From Fact	P6 - Activity
Activity Details	Earned Quantity	Calculated From Fact	P6 - Activity
Activity Details	Schedule Variance (Qty)	Calculated From Fact	P6 - Activity
Activity Details	Actual Quantity	Calculated From Fact	P6 - Activity

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Activity Details	Cost Variance (Qty)	Calculated From Fact	P6 - Activity
Activity Details	ETC (Qty)	Calculated From Fact	P6 - Activity
Activity Details	BAC (Qty)	Calculated From Fact	P6 - Activity
Activity Details	EAC (Qty)	Calculated From Fact	P6 - Activity
Activity Details	Variance At Completion (Qty)	Calculated From Fact	P6 - Activity
Earned Duration	Planned Earned Quantity	Calculated From Fact	P6 - Activity
Earned Duration	Earned quantity	Calculated From Fact	P6 - Activity
Earned Duration	Earned Duration.	Calculated From Fact	P6 - Activity
Earned Duration	Earned Duration - Earned duration	Calculated From Fact	P6 - Activity
Earned Duration	Earned Duration - Actual Duration	Calculated From Fact	P6 - Activity
Earned Duration	Earned Duration - Budget at Completion (BAC)	Calculated From Fact	P6 - Activity
Earned Duration	Day Count	Calculated From Fact	P6 - Activity
Earned Duration	Planned Earned Quantity	Calculated From Fact	P6 - Activity
Earned Duration	Earned quantity	Calculated From Fact	P6 - Activity
Earned Duration	Earned duration	Calculated From Fact	P6 - Activity
Earned Duration	Duration Performance Index (DPI)	Calculated From Fact	P6 - Activity
Earned Duration	Duration Variance (DV)	Calculated From Fact	P6 - Activity
Earned Duration	Earned Duration - Estimate at Completion (EAC)	Calculated From Fact	P6 - Activity

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Earned Duration	Earned Duration - Variance at Completion (VAC)	Calculated From Fact	P6 - Activity
Earned Duration	Earned Duration - Estimate to Complete (ETC)	Calculated From Fact	P6 - Activity
Earned Duration	Earned Duration - EAC % BAC	Calculated From Fact	P6 - Activity
Overview	Revised Budget	Fact	Unifier - Cost Sheet
Overview	Actual Cost	Calculated From Fact	Unifier - Cost Sheet
Overview	Forecast	Fact	Unifier - Cost Sheet
Overview	Original Budget	Fact	Unifier - Cost Sheet
Overview	Revised Budget	Fact	Unifier - Cost Sheet
Overview	Actual Cost	Calculated From Fact	Unifier - Cost Sheet
Overview	Forecast	Fact	Unifier - Cost Sheet
Overview	Cost EAC	Calculated From Fact	Unifier - Cost Sheet
Overview	Cost EAC	Calculated From Fact	Unifier - Cost Sheet
Overview	EAC % Revised Budget	Calculated From Fact	P6 - Activity / P6 - Activity
Overview	Forecast % Revised Budget	Calculated From Fact	Unifier - Cost Sheet
Overview	Planned Quantity	Calculated From Fact	P6 - Activity
Overview	Actual Quantity	Calculated From Fact	P6 - Activity
Overview	Earned Quantity	Calculated From Fact	P6 - Activity
Overview	Earned Quantity - Estimate at completion (EAC)	Calculated From Fact	P6 - Activity
Overview	Cost Performance Index (Units)	Fact	P6 - Activity
Overview	Earned Quantity - EAC % BAC	Calculated From Fact	P6 - Activity

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Overview	Earned Duration - Budget at Completion (BAC)	Calculated From Fact	P6 - Activity
Overview	Earned Duration - Actual Duration	Calculated From Fact	P6 - Activity
Overview	Earned Duration - Earned duration	Calculated From Fact	P6 - Activity
Overview	Duration Performance Index (DPI)	Calculated From Fact	P6 - Activity
Overview	Earned Duration - EAC % BAC	Calculated From Fact	P6 - Activity
Overview	Earned Duration - Estimate at Completion (EAC)	Calculated From Fact	P6 - Activity
Overview	Original Budget	Fact	Unifier - Cost Sheet
Overview	Amount	Fact	Unifier - Business Process
Overview	Pending change order	Calculated From Fact	Unifier - Business Process
Overview	Change Order count	Calculated From Fact	Unifier - Business Process
Overview	Planned Quantity	Calculated From Fact	P6 - Activity
Overview	Actual Quantity	Calculated From Fact	P6 - Activity
Overview	Earned Quantity	Calculated From Fact	P6 - Activity
Overview	Earned Quantity - Estimate at completion (EAC)	Calculated From Fact	P6 - Activity
Overview	CPI (Qty)	Calculated From Fact	P6 - Activity
Overview	SPI (Qty)	Calculated From Fact	P6 - Activity
Earned Quantity	Budget At Completion (Units)	Fact	P6 - Activity
Earned Quantity	Cost Variance (Units)	Fact	P6 - Activity
Earned Quantity	Schedule Variance (Units)	Fact	P6 - Activity

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Earned Quantity	Cumulative Planned Quantity	Calculated From Fact	P6 - Activity
Earned Quantity	Cumulative Actual Quantity	Calculated From Fact	P6 - Activity
Earned Quantity	Cumulative Earned Quantity	Calculated From Fact	P6 - Activity
Earned Quantity	Cumulative Quantity – CPI	Calculated From Fact	P6 - Activity
Earned Quantity	Cumulative Quantity – SPI	Calculated From Fact	P6 - Activity
Earned Quantity	Period Planned Quantity	Calculated From Fact	P6 - Activity
Earned Quantity	Period Actual Quantity	Calculated From Fact	P6 - Activity
Earned Quantity	Period Earned Quantity	Calculated From Fact	P6 - Activity
Earned Quantity	Schedule Variance (Units)	Fact	P6 - Activity
Earned Quantity	Cost Variance (Units)	Fact	P6 - Activity
Earned Quantity	Schedule Performance Index (Units)	Fact	P6 - Activity
Earned Quantity	Cost Performance Index (Units)	Fact	P6 - Activity
Earned Quantity	Cumulative Planned Quantity	Calculated From Fact	P6 - Activity
Earned Quantity	Cumulative Actual Quantity	Calculated From Fact	P6 - Activity
Earned Quantity	Cumulative Earned Quantity	Calculated From Fact	P6 - Activity
Earned Quantity	Cumulative Quantity – SV	Calculated From Fact	P6 - Activity
Earned Quantity	Cumulative Quantity – CV	Calculated From Fact	P6 - Activity
Earned Quantity	Cumulative Quantity – SPI	Calculated From Fact	P6 - Activity

Canvas	Fact / Measure	Measure Type	Subject Area / Dataset
Earned Quantity	Cumulative Quantity – CPI	Calculated From Fact	P6 - Activity
Earned Quantity	Schedule Variance (Units)	Fact	P6 - Activity
Earned Quantity	Cost Variance (Units)	Fact	P6 - Activity
Earned Quantity	Schedule Performance Index (Units)	Fact	P6 - Activity
Earned Quantity	Cost Performance Index (Units)	Fact	P6 - Activity
Earned Quantity	Earned Quantity - Estimate at completion (EAC)	Calculated From Fact	P6 - Activity
Earned Quantity	Earned Quantity - Variance at Completion (VAC)	Calculated From Fact	P6 - Activity
Earned Quantity	Earned Quantity - Estimate to Complete (ETC)	Calculated From Fact	P6 - Activity
Earned Quantity	Earned Quantity - EAC % BAC	Calculated From Fact	P6 - Activity
Earned Quantity	Planned Earned Quantity	Calculated From Fact	P6 - Activity
Earned Quantity	Actual Quantity	Calculated From Fact	P6 - Activity
Earned Quantity	Earned Quantity	Calculated From Fact	P6 - Activity

# Table 89: Project Performance Measurement - Filters Table

Canvas	Filter Type	Is Expression Filter	Filter	Subject Area / Dataset
Overview	Visualization	No	Business Process Name	Unifier - Business Process
Overview	Visualization	Yes	Cost Performance Index (Units) is not null and Schedule Performance	P6 - Activity

All Canvas	Dashboard	No	Project Name	P6 - Activity
Overview	Visualization	No	Calendar Day Date	P6 - Activity
Change Order	Visualization	No	Business Process Name	Unifier - Business Process
Change Order	Visualization	No	Business Process Name	Unifier - Business Process
Change Order	Visualization	No	Business Process Name	Unifier - Business Process

## Table 90: Project Performance Measurement - Data Actions Table

Data Action Name	Action Type	Anchor To	Target	Canvas Link	Pass Values	Multiselecti on
Navigate to Change Orders	Analytics Link	Status	This Project	Change Orders	All	On
Navigate to Activity Details	Analytics link	Project Name	This Project	Activity Details	All	On

# Table 91: Project Performance Measurement - Calculated Members Table

Calculated Measure	Expression	Source
Estimate at Completion (EAC)	Primavera - Cost Sheet."Costs"."Revised Budget"/ "Primavera - Activity"."Earned Value - (Units)"."Cost Performance Index (Units)"	Derived From Fact
Actual Cost	Primavera - Cost Sheet."Costs"."User Defined Column 1"	Derived From Fact

Calculated Measure	Expression	Source
Forecast % Revised Budget	Primavera - Cost Sheet."Costs"."Forecast"/"Primavera - Cost Sheet"."Costs"."Revised Budget"	Derived From Fact
EAC % Revised Budget	("Primavera - Cost Sheet"."Costs"."Revised Budget"/ "Primavera - Activity"."Earned Value - (Units)"."Cost Performance Index (Units)")/"Primavera - Cost Sheet"."Costs"."Revised Budget"	Derived From Fact
SPI (Qty)	Primavera - Activity."Earned Value - (Units)"."Schedule Performance Index (Units)"	Derived From Fact
CPI (Qty)	Primavera - Activity."Earned Value - (Units)"."Cost Performance Index (Units)"	Derived From Fact
Planned Quantity	Primavera - Activity."Earned Value - (Units)"."Planned Value (Units)"	Derived From Fact
Earned Quantity	Primavera - Activity."Earned Value - (Units)"."Earned Value (Units)"	Derived From Fact
Actual Quantity	Primavera - Activity."Units"."Actual Labor Units"	Derived From Fact
ETC (Qty)	Primavera - Activity."Earned Value - (Units)"."Estimate To Complete (Units)"	Derived From Fact
Cost Variance (Qty)	Primavera - Activity."Earned Value - (Units)"."Cost Variance (Units)"	Derived From Fact
Schedule Variance (Qty)	Primavera - Activity."Earned Value - (Units)"."Schedule Variance (Units)"	Derived From Fact

Calculated Measure	Expression	Source
BAC (Qty)	Primavera - Activity."Units"."Planned Labor Units"	Derived From Fact
EAC (Qty)	Primavera - Activity."Earned Value - (Units)"."Estimate At Completion (Units)"	Derived From Fact
Variance At Completion (Qty)	Primavera - Activity."Earned Value - (Units)"."Variance at Completion (Units)"	Derived From Fact
Earned Duration	Primavera - Activity."Earned Value - (Units)"."Schedule Performance Index (Units)" * "Primavera - Activity"."Durations - (Activity)"."Actual Duration"	Derived From Fact

Calculated Measure	Expression	Source
Estimated Duration at Completion	Case when "Primavera - Activity"."Durations - (Activity)"."Actual Duration" > "Primavera - Activity"."Durations - (Activity)"."Baseline Duration" then "Primavera - Activity"."Durations - (Activity)"."Actual Duration" + ("Primavera - Activity"."Durations - (Activity)"."Actual Duration" - "Primavera - Activity"."Earned Value - (Units)"."Schedule Performance Index (Units)" * "Primavera - Activity"."Durations - (Activity)"."Actual Duration")/"Primavera - Activity"."Earned Value - (Units)"."Schedule Performance Index (Units)"."Schedule Performance Index (Units)"."Schedule Performance Index (Units)"."Actual Duration" + ("Primavera - Activity"."Durations - (Activity)"."Baseline Duration" + ("Primavera - Activity"."Earned Value - (Units)"."Schedule Performance Index (Units)"*"Primavera - Activity)"."Actual Duration" - "Primavera - Activity"."Earned Value - (Units)"."Schedule Performance Index (Units)"*"Primavera - Activity"."Durations - (Activity)"."Actual Duration")/"Primavera - Activity"."Earned Value - (Units)"."Schedule Performance Index (Units)"."Schedule Performance Index	Derived From Fact

Calculated Measure	Expression	Source
Estimated Days Late / (Early)	Case when "Primavera - Activity"."Durations - (Activity)"."Actual Duration" > "Primavera - Activity"."Durations - (Activity)"."Baseline Duration" then "Primavera - Activity"."Durations - (Activity)"."Actual Duration" + ("Primavera - Activity"."Durations - (Activity)"."Actual Duration" - "Primavera - Activity"."Earned Value - (Units)"."Schedule Performance Index (Units)" * "Primavera - Activity"."Durations - (Activity)"."Actual Duration")/"Primavera - Activity"."Earned Value - (Units)"."Schedule Performance Index (Units)"."Schedule Performance Index (Units)"."Schedule Performance Index (Units)"."Actual Duration" + ("Primavera - Activity"."Durations - (Activity)"."Actual Duration" + ("Primavera - Activity"."Earned Value - (Units)"."Schedule Performance Index (Units)"*"Primavera - Activity"."Durations - (Activity)"."Actual Duration")/"Primavera - Activity"."Earned Value - (Units)"."Schedule Performance Index (Units)"*"Primavera - Activity"."Baseline Duration" - "Primavera - Activity"."Earned Value - (Activity)"."Actual Duration")/"Primavera - Activity"."Baseline Duration" - (Activity"."Earned Value - (Units)"."Schedule Performance Index (Units)"."Baseline Duration" - (Activity"."Baseline Duration" - (Activity"."Baseline Duration" -	Derived From Fact

Calculated Measure	Expression	Source
Cost Variance (Qty) - Conditional	<pre>case when "Primavera - Activity"."Earned Value - (Units)"."Cost Performance Index (Units)"&lt; 1 then "Primavera - Activity"."Earned Value - (Units)"."Cost Performance Index (Units)"when "Primavera - Activity"."Earned Value - (Units)"."Cost Performance Index (Units)"&lt;0.95 then "Primavera - Activity"."Earned Value - (Units)"."Cost Performance Index (Units)"."Cost Performance Index (Units)"."Cost Performance Index (Units)"."Cost Performance Index</pre>	Derived From Fact
Pending change order	CASE WHEN "Primavera - Business Process"."General - (BP)"."Status" = 'In_Process' THEN "Primavera - Business Process"."Costs"."Amount" ELSE 0 END	Derived From Fact
Change Order count	Primavera - Business Process."Metrics"."# of BP Records"	Derived From Fact
Revised Budget % Original	Primavera - Cost Sheet."Costs"."Revised Budget"/"Primavera - Cost Sheet"."Costs"."Original Budget"	Derived From Fact
Day Count	RCOUNT("Primavera - Activity"."Units"."Planned Labor Units")	Derived From Fact

Calculated Measure	Expression	Source
Duration Performance Index (DPI)	<pre>CASE WHEN SUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") &gt;= SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)") THEN MIN( CASE WHEN RSUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") &gt; SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)") THEN CAST( RCOUNT( IFNULL("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)", 0) ) - 1 AS FLOAT ) ELSE NULL END ) ELSE MIN( CASE WHEN RSUM("Primavera - Activity"."Units"."Planned Labor Units") &gt; SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)" ) THEN CAST( RCOUNT(IFNULL("Primavera - Activity"."Units"."Planned Labor Units", 0) ) - 1 AS FLOAT ) ELSE NULL END ) END / MAX(CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") &gt;= 0 THEN RCOUNT("Primavera - Activity"."Earned Value - (Units)"."Earned Value - (Units)"."Earned Value - (Units)"."Data Date") &gt;= 0 THEN RCOUNT("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)")</pre>	Derived From Fact

Calculated Measure	Expression	Source
Duration Variance (DV)	<pre>- CAST(MAX(CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR,"Primave ra - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") &gt;= 0 THEN RCOUNT(IFNULL("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)", 0)) ELSE NULL END ) + CASE WHEN SUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)" ) &gt;= SUM( "Primavera - Activity"."Earned Value (Units)" ) THEN MIN( CASE WHEN RSUM( "Primavera - Activity"."Earned Value (Units)" ) THEN MIN( CASE WHEN RSUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)" ) &gt; SUM("Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)") THEN RCOUNT( IFNULL("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)", 0)) - 1 ELSE NULL END ) ELSE MIN( CASE WHEN RSUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Labor Units") &gt; SUM("Primavera - Activity"."Earned Value - (Units)"."Earned Value - (Units)"."Earned Value - (Units)"."Earned Value - Ntivity"."Earned Value - (Units)"."Earned Value - (Units)"."</pre>	Derived From Fact

Calculated Measure	Expression	Source
Earned Duration - Estimate at Completion (EAC)	<pre>MAX( RCOUNT("Primavera - Activity"."Units"."Planned Labor Units" ) ) / ( CASE WHEN SUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)" ) &gt;= SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)" ) THEN MIN( CASE WHEN RSUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)" ) &gt; SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)" ) THEN CAST(RCOUNT( IFNULL("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)", 0) ) - 1 AS FLOAT) ELSE NULL END ) ELSE MIN( CASE WHEN RSUM( "Primavera - Activity"."Units"."Planned Labor Units" ) &gt; SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value - (Units)"."Earned Value - Activity"."Units"."Planned Labor Units" ) &gt; SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value - (Units", 0) ) - 1 AS FLOAT) ELSE NULL END ) END / MAX(CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") &gt;= 0 THEN RCOUNT("Primavera - Activity"."Earned Value - (Units)"."Earned Value - (Units)"."Planned Value (Units)") ELSE NULL END ) )</pre>	Derived From Fact

Calculated Measure	Expression	Source
Earned Duration - EAC % BAC	<pre>MAX( RCOUNT("Primavera - Activity"."Units"."Planned Labor Units" ) ) / ( CASE WHEN SUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)" ) &gt;= SUM( "Primavera - Activity"."Earned Value (Units)" ) THEN MIN( CASE WHEN RSUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)" ) &gt; SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)" ) THEN CAST(RCOUNT( IFNULL("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)", 0) ) - 1 AS FLOAT) ELSE NULL END ) ELSE MIN( CASE WHEN RSUM( "Primavera - Activity"."Units"."Planned Labor Units" ) &gt; SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)" ) THEN CAST(RCOUNT(IFNULL("Primavera - Activity"."Units"."Planned Labor Units", 0) ) - 1 AS FLOAT) ELSE NULL END ) END / MAX(CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Earned Value (Units)" ) THEN CAST(MAX(CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Earned Value - (Units)"."Earned Value - (Units)"."Calendar"."Calendar Date", "Primavera - Activity"."Earned Value - (Units)"."Earned Value - (Units)"."Earned Value - (Units)"."Earned Value - (Units)"."Data Date") &gt;= 0 THEN RCOUNT("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") ELSE NULL END ) ) / MAX( RCOUNT("Primavera - Activity"."Units"."Planned Labor Units").)</pre>	Derived From Fact

Calculated Measure	Expression	Source
Planned Earned Quantity	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") >= 0 THEN RSUM("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") ELSE RSUM("Primavera - Activity"."Units"."Planned Labor Units") END	Derived From Fact
Earned quantity	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") >= 0 THEN RSUM("Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)") ELSE NULL END	Derived From Fact

Calculated Measure	Expression	Source
Earned Duration - Earned duration	CASE WHEN SUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") >= SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)") THEN MIN( CASE WHEN RSUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") > SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)") THEN RCOUNT( IFNULL("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)", 0) ) - 1 ELSE NULL END ) ELSE MIN( CASE WHEN RSUM( "Primavera - Activity"."Units"."Planned Labor Units") > SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value - (Units)"."Earned Value - Activity"."Units"."Planned Labor Units") > SUM( "Primavera - Activity"."Units"."Planned Labor Units)"."Earned Value (Units)") THEN RCOUNT(IFNULL("Primavera - Activity"."Units"."Planned Labor Units", 0) ) - 1 ELSE NULL END ) END	Derived From Fact
Earned Duration - Budget at Completion (BAC)	MAX((RCOUNT("Primavera - Activity"."Units"."Planned Labor Units")) )	Derived From Fact
Earned Duration - Actual Duration	MAX(CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") >= 0 THEN RCOUNT("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") ELSE NULL END )	Derived From Fact

Calculated Measure	Expression	Source
Earned Duration.	CASE WHEN CASE WHEN SUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") >= SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)") THEN MIN( CASE WHEN RSUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") > SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)") THEN RCOUNT( IFNULL("Primavera - Activity"."Earned Value (Units)", 0) ) - 1 ELSE NULL END ) ELSE MIN( CASE WHEN RSUM( "Primavera - Activity"."Units"."Planned Labor Units") > SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)") THEN RCOUNT(IFNULL("Primavera - Activity"."Units"."Planned Labor Units", 0) ) -1 ELSE NULL END ) END >= RCOUNT("Primavera - Activity"."Units"."Planned Labor Units") THEN SUM("Primavera - Activity"."Units"."Planned Labor Units") THEN SUM("Primavera - Activity"."Earned Value - (Units)"."Earned Value - (Units)"."Ear	Derived From Fact

Calculated Measure	Expression	Source
Earned duration	CASE WHEN CASE WHEN SUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") >= SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)") THEN MIN( CASE WHEN RSUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") > SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)") THEN RCOUNT( IFNULL("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)", 0) ) - 1 ELSE NULL END ) ELSE MIN( CASE WHEN RSUM( "Primavera - Activity"."Units"."Planned Labor Units") > SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value - (Units)"."Earned Value - (Units)"."Earned Value - (Units)"."Earned Value - Activity"."Units"."Planned Labor Units") > SUM( "Primavera - Activity"."Units"."Planned Labor Units", 0) ) -1 ELSE NULL END ) END = RCOUNT("Primavera - Activity"."Units"."Planned Labor Units") THEN RCOUNT("Primavera - Activity"."Units"."Planned Labor	Derived From Fact

Calculated Measure	Expression	Source
Earned Duration - Variance at Completion (VAC)	<pre>MAX( RCOUNT("Primavera - Activity"."Units"."Planned Labor Units" )) - MAX( RCOUNT("Primavera - Activity"."Units"."Planned Labor Units" )) / ( CASE WHEN SUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)" ) &gt;= SUM( "Primavera - Activity"."Earned Value (Units)" ) THEN MIN( CASE WHEN RSUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)" ) &gt; SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)" ) THEN CAST(RCOUNT( IFNULL("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)", 0) ) - 1 AS FLOAT) ELSE NULL END ) ELSE MIN( CASE WHEN RSUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)", 0) ) - 1 AS FLOAT) ELSE NULL END ) ELSE MIN( CASE WHEN RSUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)" ) THEN CAST(RCOUNT(IFNULL("Primavera - Activity"."Units"."Planned Labor Units", 0) ) - 1 AS FLOAT) ELSE NULL END ) END / MAX(CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") &gt;= 0 THEN RCOUNT("Primavera - Activity"."Earned Value - (Units)"."Earned Value - (Units)".</pre>	Derived From Fact

Calculated Measure	Expression	Source
Earned Duration - Estimate to Complete (ETC)	<pre>MAX( RCOUNT("Primavera - Activity"."Units"."Planned Labor Units" ) ) / ( CASE WHEN SUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)" ) &gt;= SUM( "Primavera - Activity"."Earned Value (Units)" ) THEN MIN( CASE WHEN RSUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)" ) &gt; SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)" ) THEN CAST(RCOUNT( IFNULL("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)", 0) ) - 1 AS FLOAT) ELSE NULL END ) ELSE MIN( CASE WHEN RSUM( "Primavera - Activity"."Units"."Planned Labor Units" ) &gt; SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value - (Units)"."Earned Value - (Units)"."Earned Value - (Units)"."Earned Value - (Units)"."Earned Value - (Units)"."Earned Value - (Units", 0) ) - 1 AS FLOAT) ELSE NULL END ) END / MAX(CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") &gt;= 0 THEN RCOUNT("Primavera - Activity"."Earned Value (Units)") ELSE NULL END ) ) - MAX(CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") ELSE NULL END ) ) - MAX(CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") ELSE NULL END ) ) - MAX(CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") &gt;= 0 THEN RCOUNT("Primavera - Activity"."Dates - (Project)"."Data Date") &gt;= 0 THEN RCOUNT("Primavera - Activity"."Dates - (Project)"."Data Date") &gt;= 0 THEN RCOUNT("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") ELSE NULL END )</pre>	Derived From Fact

Calculated Measure	Expression	Source
Cumulative Quantity - SPI	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") >= 0 THEN RSUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)" ) ELSE NULL END / CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") >= 0 THEN RSUM("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") ELSE RSUM("Primavera - Activity"."Units"."Planned Labor Units") END	Derived From Fact
Cumulative Quantity - CPI	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") >= 0 THEN RSUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)" ) ELSE NULL END / CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") >= 0 THEN RSUM("Primavera - Activity"."Units"."Actual Labor Units") ELSE NULL END	Derived From Fact

Calculated Measure	Expression	Source
Period Planned Quantity	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") >= 0 THEN "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)" ELSE "Primavera - Activity"."Units"."Planned Labor Units" END	Derived From Fact
Period Actual Quantity	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") >= 0 THEN "Primavera - Activity"."Units"."Actual Labor Units" ELSE NULL END	Derived From Fact
Period Earned Quantity	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") >= 0 THEN "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)" ELSE NULL END	Derived From Fact
Cumulative Planned Quantity	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") >= 0 THEN RSUM("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") ELSE RSUM("Primavera - Activity"."Units"."Planned Labor Units") END	Derived From Fact

Calculated Measure	Expression	Source
Cumulative Actual Quantity	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") >= 0 THEN RSUM("Primavera - Activity"."Units"."Actual Labor Units") ELSE NULL END	Derived From Fact
Cumulative Earned Quantity	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") >= 0 THEN RSUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)" ) ELSE NULL END	Derived From Fact
Cumulative Quantity - SV	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") >= 0 THEN RSUM("Primavera - Activity"."Earned Value - (Units)"."Schedule Variance (Units)") ELSE NULL END	Derived From Fact
Cumulative Quantity - CV	CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") >= 0 THEN RSUM("Primavera - Activity"."Earned Value - (Units)"."Cost Variance (Units)") ELSE NULL END	Derived From Fact

Calculated Measure	Expression	Source
Earned Quantity - Estimate at completion (EAC)	Primavera - Activity."Units"."Planned Labor Units" / "Primavera - Activity"."Earned Value - (Units)"."Cost Performance Index (Units)"	Derived From Fact
Earned Quantity - Variance at Completion (VAC)	Primavera - Activity."Units"."Planned Labor Units" - ("Primavera - Activity"."Units"."Planned Labor Units" / "Primavera - Activity"."Earned Value - (Units)"."Cost Performance Index (Units)")	Derived From Fact
Earned Quantity - Estimate to Complete (ETC)	("Primavera - Activity"."Units"."Planned Labor Units" / "Primavera - Activity"."Earned Value - (Units)"."Cost Performance Index (Units)") - "Primavera - Activity"."Units"."Actual Labor Units"	Derived From Fact
Earned Quantity - EAC % BAC	("Primavera - Activity"."Units"."Planned Labor Units" / "Primavera - Activity"."Earned Value - (Units)"."Cost Performance Index (Units)")/"Primavera - Activity"."Earned Value - (Units)"."Budget At Completion (Units)"	Derived From Fact
Period Cost - Original Budget	Primavera - Cash Flow."Costs"."Initial Baseline"	Derived From Fact
Period Cost - Revised Budget	Primavera - Cash Flow."Costs"."Current Baseline"	Derived From Fact

Calculated Measure	Expression	Source
Period Cost - Forecast	CASE WHEN TIMESTAMPDIFF(SQL_TSI_MONTH, "Primavera - Cash Flow"."Calendar"."Calendar Date", CURRENT_DATE) < 1 THEN "Primavera - Cash Flow"."Costs"."Forecast" ELSE NULL END	Derived From Fact
Period Cost - EAC	CASE WHEN TIMESTAMPDIFF(SQL_TSI_MONTH, "Primavera - Cash Flow"."Calendar"."Calendar Date", CURRENT_DATE) < 1 THEN "Primavera - Cash Flow"."Costs"."Current Baseline" ELSE NULL END / ( SUM(CASE WHEN TIMESTAMPDIFF(SQL_TSI_MONTH, "Primavera - Cash Flow"."Calendar"."Calendar Date", CURRENT_DATE) < 1 THEN "Primavera - Cash Flow"."Costs"."Current Baseline" ELSE NULL END ) / ( ( SUM("Primavera - Cash Flow"."Costs"."Current Baseline") / (SUM("Primavera - Cash Flow"."Costs"."Current Baseline") / (SUM("Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)") / SUM("Primavera - Activity"."Units"."Actual Labor Units")) ) - SUM("Primavera - Cash Flow"."Costs"."Actuals") ) )	Derived From Fact
Period Cost - Actual	Primavera - Cash	Derived From
Budget	Flow."Costs"."Actuals"	Fact
Cumulative Cost -	RSUM("Primavera - Cash	Derived From
Original Budget	Flow"."Costs"."Initial Baseline")	Fact
Cumulative Cost -	RSUM("Primavera - Cash	Derived From
Revised Budget	Flow"."Costs"."Current Baseline")	Fact

Calculated Measure	Expression	Source
Cumulative Cost - Actual	CASE WHEN TIMESTAMPDIFF(SQL_TSI_MONTH, "Primavera - Cash Flow"."Calendar"."Calendar Date", CURRENT_DATE) > 0 THEN RSUM("Primavera - Cash Flow"."Costs"."Actuals") ELSE NULL END	Derived From Fact
Cumulative Cost - Forecast	RSUM("Primavera - Cash Flow"."Costs"."Forecast")	Derived From Fact
Cumulative Cost - EAC	RSUM( CASE WHEN TIMESTAMPDIFF(SQL_TSI_MONTH, "Primavera - Cash Flow"."Calendar"."Calendar Date", CURRENT_DATE) < 1 THEN "Primavera - Cash Flow"."Costs"."Current Baseline" / ( SUM(CASE WHEN TIMESTAMPDIFF(SQL_TSI_MONTH, "Primavera - Cash Flow"."Calendar"."Calendar Date", CURRENT_DATE) < 1 THEN "Primavera - Cash Flow"."Costs"."Current Baseline" ELSE NULL END ) / ( ( SUM("Primavera - Cash Flow"."Costs"."Current Baseline") / (SUM("Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)") / SUM("Primavera - Activity"."Units"."Actual Labor Units")) ) - SUM("Primavera - Cash Flow"."Costs"."Actuals") ) ELSE "Primavera - Cash Flow"."Costs"."Actuals" END )	Derived From Fact
Cost - Estimate at Completion (EAC)	Primavera - Cash Flow."Costs"."Current Baseline" / "Primavera - Activity"."Earned Value - (Units)"."Cost Performance Index (Units)"	Derived From Fact

Calculated Measure	Expression	Source
Cost - Estimate to Completion (ETC)	("Primavera - Cash Flow"."Costs"."Current Baseline" / "Primavera - Activity"."Earned Value - (Units)"."Cost Performance Index (Units)") - "Primavera - Cash Flow"."Costs"."Actuals"	Derived From Fact
Cost - EAC % Revised Budget	("Primavera - Cash Flow"."Costs"."Current Baseline" / "Primavera - Activity"."Earned Value - (Units)"."Cost Performance Index (Units)") / "Primavera - Cash Flow"."Costs"."Current Baseline"	Derived From Fact
Cost - Variance at Completion (VAC)	Primavera - Cash Flow."Costs"."Current Baseline" - ("Primavera - Cash Flow"."Costs"."Current Baseline" / "Primavera - Activity"."Earned Value - (Units)"."Cost Performance Index (Units)")	Derived From Fact
Approved Change Orders	CASE WHEN "Primavera - Business Process"."General - (BP)"."Status" = 'Approved' THEN "Primavera - Business Process"."Costs"."Amount" WHEN "Primavera - Business Process"."General - (BP)"."Status" = 'Approved_Scheduled' THEN "Primavera - Business Process"."Costs"."Amount" ELSE 0 END	Derived From Fact
Cost EAC	Primavera - Cost Sheet."Costs"."Revised Budget" / "Primavera - Activity"."Earned Value - (Units)"."Cost Performance Index (Units)"	Derived From Fact
Forecast % Revised Budget Copy	Primavera - Cost Sheet."Costs"."Forecast"/"Primavera - Cost Sheet"."Costs"."Revised Budget"*100	Derived From Fact

Calculated Measure	Expression	Source
EAC % Revised Budget Copy	("Primavera - Cost Sheet"."Costs"."Revised Budget"/ "Primavera - Activity"."Earned Value - (Units)"."Cost Performance Index (Units)")/"Primavera - Cost Sheet"."Costs"."Revised Budget"*100	Derived From Fact

Calculated Measure	Expression	Source
Earned Duration - EAC % BAC Copy	<pre>MAX( RCOUNT("Primavera - Activity"."Units"."Planned Labor Units" ) ) / ( CASE WHEN SUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)" ) &gt;= SUM( "Primavera - Activity"."Earned Value (Units)" ) THEN MIN( CASE WHEN RSUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)" ) &gt; SUM( "Primavera - Activity"."Earned Value - (Units)"."Earned Value (Units)" ) THEN CAST(RCOUNT( IFNULL("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)", 0) ) - 1 AS FLOAT) ELSE NULL END ) ELSE MIN( CASE WHEN RSUM( "Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)" ) THEN CAST(RCOUNT(IFNULL END ) ELSE MIN( CASE WHEN RSUM( "Primavera - Activity"."Units"."Planned Labor Units" ) &gt; SUM( "Primavera - Activity"."Earned Value (Units)" ) THEN CAST(RCOUNT(IFNULL("Primavera - Activity"."Colendar"."Planned Labor Units", 0) ) - 1 AS FLOAT) ELSE NULL END ) END / MAX(CASE WHEN TIMESTAMPDIFF(SQL_TSI_HOUR, "Primavera - Activity"."Calendar"."Calendar Date", "Primavera - Activity"."Dates - (Project)"."Data Date") &gt;= 0 THEN RCOUNT("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") ELSE NULL END ) ) / MAX( RCOUNT("Primavera - Activity"."Earned Value - (Units)"."Planned Value (Units)") ELSE NULL END ) ) / MAX( RCOUNT("Primavera - Activity"."Units"."Planned Labor Units") )</pre>	Derived From Fact
## **Appendix A: Custom Data Sets for Unifier Data**

## **Created and Completed BP Overtime Dataset**

Subject Area: Unifier – Business Process History

## Table: Created and Completed BP Overtime Dataset Fields

Dimension	Dimension / Metrics	Attribute	Expression
	Calendar	Week Name	N/A
	Calendar	Calendar Date	N/A
	Dates - (BP)	Completion Date	N/A
	Dates - (BP)	Creation Date	N/A
	Dates - (BP)	Due Date	N/A
	Dates - (BP)	Send Date	N/A
	General - (BP)	Business Process Name	N/A
	General - (BP)	Status	N/A
	General - (BP)	Business Process Type	N/A
	General - (BP)	Record Number	N/A
	General - (BP)	Title	N/A
	Metrics	# of BP Records	N/A
	Metrics	# OF BP Line Items	N/A
	Metrics	Item Quantity	N/A
	Project Portfolio	Project Portfolio Name	N/A
	Project Portfolio	Project Portfolio Status	N/A
	General - (Project)	Project Object Id	N/A
	General - (Project)	Project ID	N/A
	General - (Project)	Project Name	N/A

-		-	-
	General - (Project)	Project Phase	N/A
	General - (Project)	Project Type	N/A
	General - (Project)	Project Status	N/A
	General - (Project)	Project Owner	N/A
	Location - (Project)	Country Name	N/A
	Project Hierarchy	Project Name (Root Level)	N/A
	Project Hierarchy	Project Hierarchy Name Level 1	N/A
	Derived from Week Name	Week Start Date	TO_DATETIME(XSA('de mouser'.'Created and Completed BP Over Time Dataset')."Columns" ."Week Name",'yyyy-mm-dd hh:mi:ss')
	Derived from Week Name	Week End Date	TIMESTAMPADD(SQL_TS I_DAY,6,TO_DATETIME (XSA('demouser'.'Cr eated and Completed BP Over Time Dataset')."Columns" ."Week Name",'yyyy-mm-dd hh:mi:ss'))

# of Completed BP Records	CASE WHEN XSA('demouser'.'Cre ated and Completed BP Over Time Dataset')."Columns" ."Completion Date" >= XSA('demouser'.'Cre ated and Completed BP Over Time Dataset')."Columns" ."Week Start Date" AND XSA('demouser'.'Cre ated and Completed BP Over Time Dataset')."Columns" ."Completion Date" <= XSA('demouser'.'Cre ated and Completed BP Over Time Dataset')."Columns"
	XSA('demouser'.'Cre ated and Completed BP Over Time Dataset')."Columns" ."Week End Date" THEN 1 ELSE 0 END

	# of Created BP Records	CASE WHEN
		XSA('demouser'.'Cre
		ated and Completed
		BP Over Time
		Dataset')."Columns"
		."Creation Date" >=
		XSA('demouser'.'Cre
		ated and Completed
		BP Over Time
		Dataset')."Columns"
		."Week Start Date"
		AND
		XSA('demouser'.'Cre
		ated and Completed
		BP Over Time
		Dataset')."Columns"
		."Creation Date" <=
		XSA('demouser'.'Cre
		ated and Completed
		BP Over Time
		Dataset')."Columns"
		."Week End Date"
		THEN I ELSE U END

	Open Cases Tag	CASE WHEN
		XSA('demouser'.'Cre
		ated and Completed BP Over Time
		Dataset')."Columns"
		."Business Process
		Name" = 'Corrective
		Work Orders' AND
		ated and Completed
		BP Over Time
		Dataset')."Columns"
		('In Progress', 'Pen
		ding_Estimate','Tec
		hnician_assigned','
		Final_WO_Review')
		IHEN IWHEN XSA('demouser' 'Cre
		ated and Completed
		BP Over Time
		Dataset')."Columns"
		."Business Process
		Work Orders' AND
		XSA('demouser'.'Cre
		ated and Completed
		BP Over Time
		."Status" IN
		('In_Progress','Mat
		erial_Requested')

## Appendix B: Field Mappings Between Unifier Essentials and CIC Analytics

The following table provides field mappings between Unifier Essentials and Unifier - Cost Sheet subject area in CIC Analytics:

Unifier Essentials Field	Unifier - Cost Sheet Subject Area Fields
Project Cost 09	"Primavera - Cost Sheet"."Costs"."Revised Commitments"
Project Cost 4	"Primavera - Cost Sheet"."Costs"."Revised Budget"
Project Cost 21	"Primavera - Cost Sheet"."Costs"."User Defined Column 7"
Project Cost 22	"Primavera - Cost Sheet"."Costs"."User Defined Column 8"
Project Cost 24	"Primavera - Cost Sheet"."Costs"."User Defined Column 14"
Project Cost 16	"Primavera - Cost Sheet"."Costs"."User Defined Column 13"
Projected Costs	"Primavera - Cost Sheet"."Costs"."User Defined Column 14" +"Primavera - Cost Sheet"."Costs"."Revised Commitments" +"Primavera - Cost Sheet"."Costs"."User Defined Column 7"
%Projected/Forec ast	(("Primavera - Cost Sheet"."Costs"."User Defined Column 14"+"Primavera - Cost Sheet"."Costs"."Revised Commitments"+"Primavera - Cost Sheet"."Costs"."User Defined Column 6") / ("Primavera - Cost Sheet"."Costs"."User Defined Column 7" + "Primavera - Cost Sheet"."Costs"."User Defined Column 13"))
Estimated cost at Completion	"Primavera - Cost Sheet"."Costs"."User Defined Column 8" +"Primavera - Cost Sheet"."Costs"."User Defined Column 13"
% Forecast	1 - (% Projected / Forecast)

Projected Over Under	"Primavera - Cost Sheet"."Costs"."Revised Budget" - ("Primavera - Cost Sheet"."Costs"."User Defined Column 8" + "Primavera - Cost Sheet"."Costs"."User Defined Column 13")
% Forecast / Budget	("Primavera - Cost Sheet"."Costs"."User Defined Column 8" + "Primavera - Cost Sheet"."Costs"."User Defined Column 13") / "Primavera - Cost Sheet"."Costs"."Revised Budget"
Project Count	COUNT(DISTINCT "Primavera - Cost Sheet"."General - (Project)"."Project Object Id")