ORACLE®

PRIMAVERA

P6 Analytics Reference Manual
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Contents

Getting Started

This document demonstrates ways that P6 Analytics can present data. The sample data is from multiple sources and is intended for illustration only. Data and descriptions are part of the P6 Analytics sample catalog and therefore may not reflect your environment. You can use the sample catalog and the Star database to replicate these analyses.

The samples are intended to provide you with a general understanding of P6 Analytics and Oracle Business Intelligence (OBI). Customers can use these samples to customize both content and layout to their specific requirements.

For information on the types of views, graphs, and gauges that are available, see the OBI help.

See the *P6 Data Dictionary* available with your version of P6 (the Data Dictionary is available for P6 8.1 and later) for information on P6 fields. See the P6 EPPM documentation for information on using or configuring P6 in order to gather sufficient data for P6 Analytics.

This section highlights the tasks a user will perform when first using P6 Analytics.

In This Section

About P6 Analytics

P6 Analytics provides an in-depth and comprehensive method for analyzing and evaluating project performance, project history, resource assignments, and utilization.

Built upon the Oracle Business Intelligence (OBI) suite, it delivers a catalog of analyses that provide an interactive way of viewing, analyzing, and evaluating P6 EPPM data. In addition, it provides a Repository Definition (.rpd) file that contains the data mappings between the physical data and the presentation layer of OBI.

The dashboards provide detailed insight into your P6 EPPM data through analytical charts, tables, maps, and graphics. Dashboards allow you to navigate to other analyses to provide precise root-cause analysis. OBI allows you to configure individual analyses with the P6 EPPM Action Link, enabling you to navigate directly to your P6 site for true "Insight to Action" capabilities. You can save analyses created with OBI Answers in the OBI Presentation Catalog and integrate the analyses into any OBI home page or dashboard. You can enhance results through options such as charting, result layout, calculation, and drill-down features.

Use P6 Analytics to:

▶ Perform root-cause analysis and employ management-by-exception.
▶ Gather critical insights into current and historical performance of all projects, programs, and portfolios.
▶ Make better decisions to eliminate project failure.
▶ Quickly visualize critical project performance in early stages.
▶ Predict and identify cost trends early in the project life cycle to rescue troubled projects.
▶ Gain visibility into resource performance through s-curves. With interactive dashboards, you can drill down to examine the root-cause of a problem.
▶ Show staffing needs by portfolio with early warning indicators for upcoming under-staffed project work.
▶ Use geospatial visualization to view project, activity, and resource data metrics by geographic location with full drill-down capabilities.

Performance Data

P6 Analytics provides an .rpd file to use with the OBI suite. The .rpd file contains:

▶ A physical representation of the Star schema.
▶ A business layer to perform customized calculations.
▶ A presentation layer that groups all the calculated business layer fields into logical subject areas.

The .rpd delivers an extensive amount of Earned Value, Costs, Units, Percent Completes, and other key performance indicators. It enables data to be sliced by dimensions such as time, EPSs, portfolios, projects, activities, and resources.

P6 Analytics delivers a sample dataset, consisting of Star data, where the dashboards and analyses in the catalog were built. You can use this sample data to view the power of dashboard and analyses delivered in the catalog, and see how you can integrate the catalog with your data.

Prerequisites to Use Analytics

The following prerequisites need to be met before you can use P6 Analytics:

▶ P6 EPPM must be installed.
▶ Publishing must be switched on in P6.
▶ You must have module access to P6 Analytics in P6.
▶ OBI must be installed.
▶ You must be an OBI user.
▶ Your OBI user name must match your P6 user name.

▸ The catalog must be installed.

▸ The ETL process must be run to update the Analytics data. Work with your administrator to determine the optimal time to run this process.

Contact your administrator if you require any of the above privileges.

About Analyses

Analyses are queries against data, P6 data for example, which allow you to evaluate the information. Analyses let you explore and interact with information by visually presenting data in tables, graphs, and pivot tables. If you have the required permissions, you can save, organize, and share the results of analyses. You can save analyses that you create in the OBI Presentation Catalog and integrate them into any OBI dashboard. You can enhance analyses through features such as graphs, result layout, calculated items, and drilling.

About Subject Areas

A subject area contains folders, measure columns, attribute columns, hierarchical columns, and hierarchy levels that represent information about the areas of an organization's business or about groups of users with an organization. Subject areas usually have names that correspond to the types of information that they contain.

A subject area corresponds to the presentation layer in an OBI metadata repository. In a repository, the subject area is the highest-level object in the presentation layer and represents the view of the data that end users see when they create or edit an analysis.

Use subject areas to organize the data you see in an analysis.

The following are the subject areas supported by P6 Analytics:

▸ Primavera - Activity

Use this subject area to analyze project, WBS, and activity-level details. This subject area includes earned value metrics and percent complete metrics, planned and actual units and hours, and project baseline comparisons.

▸ Primavera - Activity History

Use this subject area to analyze daily activity-level history, including changes to both facts and dimensions, to help you understand changes over time. This subject area requires project-specific configuration in P6.

▸ Primavera - Activity User Defined Fields

Use this subject area to analyze activity User Defined Field (UDF) data for cost, integer, or number types. This subject area requires UDF configuration using the ETL process.

▸ Primavera - Burn Down

Use this subject area to analyze daily project performance through burn down charts and schedule adherence metrics. Metrics include planned, actual, remaining, and emergent counts and units. Emergent data is from activities which were added after burn down began. This subject area requires project specific UDF configuration in P6.

▶ Primavera - Project History

Use this subject area to analyze project and WBS-level history, including changes to both facts and dimensions, to help you understand changes over time. This subject area requires project-specific configuration in P6.

▶ Primavera - Project User Defined Fields

Use this subject area to analyze project UDF data for cost, integer, or number types. This subject area requires UDF configuration using the ETL process.

▶ Primavera - Resource Assignment

Use this subject area to analyze resource assignment details for costs and units. This subject area includes information on planned, actual, remaining, staffed, unstaffed, and at completion costs and units.

▶ Primavera - Resource Assignment History

Use this subject area to analyze daily resource assignment-level history, including changes to both facts and dimensions to help you understand changes over time. This subject area requires project specific configuration in P6.

▶ Primavera - Resource Assignment User Defined Fields

Use this subject area to analyze resource assignment UDF data for cost, integer, or number types. This subject area requires UDF configuration using the ETL process.

▶ Primavera - Resource User Defined Fields

Use this subject area to analyze resource UDF data for cost, integer, or number types. This subject area requires user defined field configuration using the ETL process.

▶ Primavera - Resource Utilization

Use this subject area to analyze resource utilization details including actual, available, planned, remaining, at completion, and resource limit units.

▶ Primavera - WBS User Defined Fields

Use this subject area to analyze WBS UDF data for cost, integer, or number types. This subject area requires UDF configuration using the ETL process.

▶ Primavera - Work Planning

Use this subject area to analyze weekly work planning process by comparing project scope and schedule freeze dates each week. In this way, potential risks such as activity planned start date changes can quickly be identified. This subject area requires project specific UDF configuration in P6.

About Dashboards

Use dashboards to view various types of information quickly and easily. Dashboards are customizable and can be made up of one or more pages, each of which can display various components of the OBI suite.

For example, on the Industry Samples Routine/On-Line Maintenance page, values are based on the planned schedule for the beginning of the appropriate execution work week. The execution work week is determined by the values set in P6. This transfer of information is configured during the work planning setup.

The following is a list of the sample dashboards included with the sample catalog. These can be tailored according to your business needs.

▶ Main

This dashboard provides high level insight into schedule progress, costs, and risks. You can find information here about the progress of Early Stage projects, the percentage of overallocated resources, and world maps showing the distribution of costs and risks.

▶ Portfolio Analysis

This dashboard contains important portfolio information based on project performance, project costs, risks and rewards by project, strategic objectives, and multiple ratings of project codes.

▶ Project Earned Value

This dashboard gives an overview of the earned value status of your projects, including Schedule Performance Index (SPI) and Cost Performance Index (CPI).

▶ Project Health

This dashboard offers useful tools for determining the health of your projects. In this dashboard, you can view the overall health of your project, look at schedule progress and cost trends, and determine which activities are not on track.

▶ Resource Analysis

This dashboard shows the status and usage of your resources, measures team progress and productivity, and tells you which resources are underutilized.

▶ Industry Samples

This dashboard shows daily burn down, performance, work planning, and schedule compliance for industry related activities.

Each dashboard has filter selections, or prompts, to help narrow the results in the sections by the date, project, location, and so on.

Logging in to OBI and Navigating to Dashboards

1) Enter the URL for OBI in a web browser.

For example, http://localhost:9704/analytics.

2) Enter your **User ID** and **Password**.

> **Note**: Check with your P6 Analytics system administrator to access the P6 Analytics sample catalog and data.

3) On the **Home** page, click **Dashboards** and select the dashboard you want to open from the drop-down list.

Editing Sample Analyses

If deployed by your administrator, P6 Analytics comes with sample analyses. If you have the required access permissions, you can edit analyses to fit your needs in OBI. Contact your OBI administrator for access.

For more information on editing sample analyses, see the OBI documentation.

To edit sample analyses:

1) In OBI, click **Catalog**.
2) In the **Folders** pane, expand **Shared Folders**, **Primavera**, **Dashboards**.
3) Click a dashboard to view a list of analyses.
4) Click **Edit** for one of the analyses.
5) Roll over an analysis and click the **Properties** icon which appears.
6) Select **Edit Analysis** from the **Properties** menu.
7) Edit the analysis as necessary and click **Save** 🖫.

Creating Analyses

If you have the required permissions, you can create analyses.

To create analyses:

1) In OBI, click **New**, **Analysis**.
2) In the **Select Subject Area** menu, select the main type of subject area that will be used for this analysis.
3) Add columns and filters as necessary to the subject area.
4) Click **Save** 🖫.
5) In the **Save As** dialog box, select a location for the new analysis and give it a name. Click **OK**.
6) Click the **Results** tab to view the results of the analysis.

Sample Dashboards

Main Dashboard

This dashboard provides high level insight into schedule progress, costs, and risks. You can find information here about the progress of early stage projects, the percentage of overallocated resources, and world maps showing the distribution of costs and risks.

Overview Page

This page gives overview information about budget and schedule.

-$258,544	29.0%	17.0%	4.0%
Overall Cost Variance	Early Stage Projects over Budget	Early Stage Projects behind Schedule	Resources overallocated

The Overall Cost Variance narrative shows the amount that the Actual Value is over or under the Planned Value. A negative value indicates that that Actual Cost has exceeded the Planned Value. This is calculated as Earned Value Cost minus the Actual Cost.

The Early Stage Projects over Budget narrative shows the percentage of early stage projects which are over budget. Early stage projects are those with a Performance Percent Complete less than 40. Over budget projects are those whose maximum activity total cost expressed as a percentage of baseline total cost is greater than zero.

The Early Stage Projects behind Schedule narrative shows the percentage of early stage projects which are behind schedule. Early stage projects are those with a Performance Percent Complete less than 40. Behind schedule projects are those with a Schedule Performance Index less than 0.95.

The Resources overallocated narrative shows the percentage of resources that are overallocated. This is calculated as the number of resources that are overallocated divided by the total number of resources. Resources are qualified as overallocated if their remaining units minus their unit limit is greater than 0.

Early Stage Projects behind Schedule Section
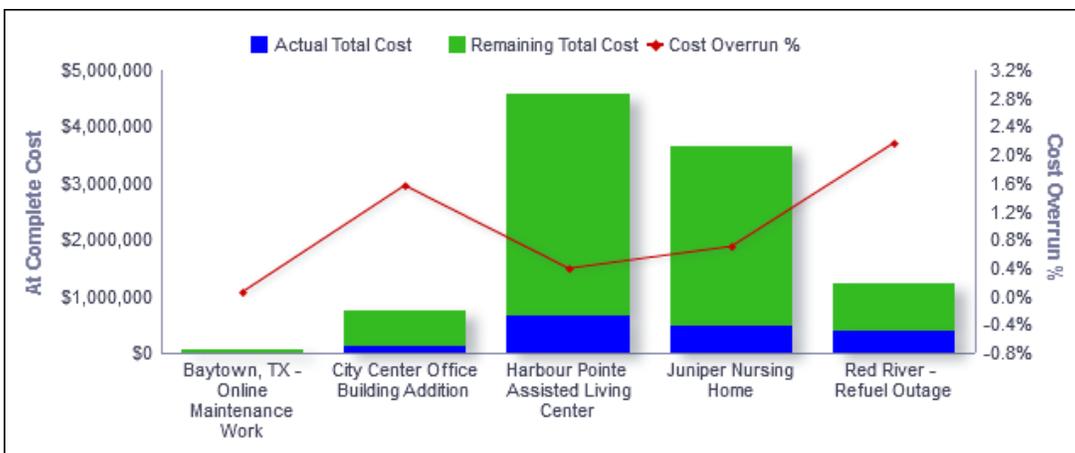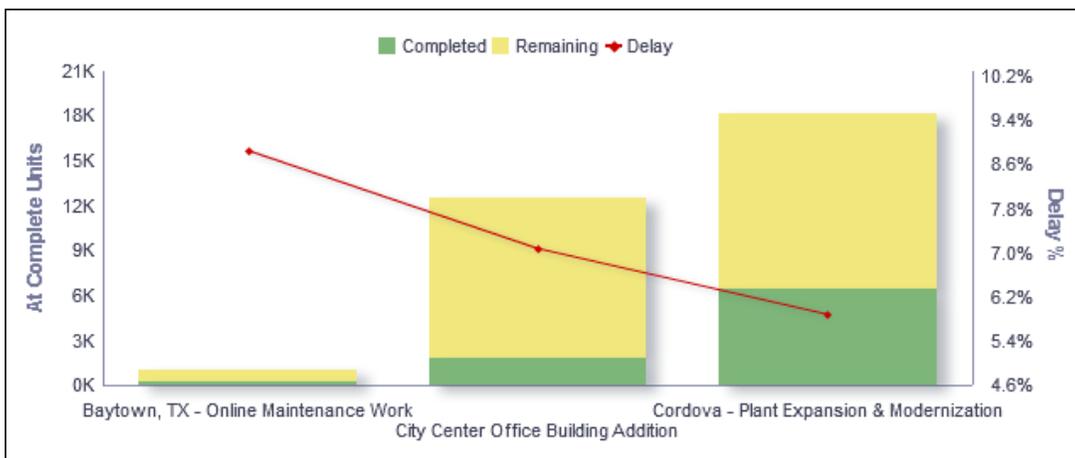
Purpose

The early stage projects which are behind schedule stacked line-bar graph shows:

▸ A stacked bar for each project showing the Remaining Units and Completed Units

▶ A line showing Delay Percentage

The x-axis shows project names. The y-axis for the bars, on the left, shows At Complete Units. The y-axis for the line, on the right, shows Delay percentage.

The early stage projects which are over budget stacked line-bar graph shows:

▶ A stacked bar for each project showing Actual Total Cost and Remaining Total Cost
▶ A line showing Cost Overrun Percentage

The x-axis shows project names. The y-axis for the bars, on the left, shows At Complete Cost. The y-axis for the line, on the right, shows Cost Overrun percentage.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Main**.
3) On the **Main** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Early Stage Projects behind Schedule** section.

Subject Areas

Activity

Portfolio Summary Section

Portfolio Name	Cost				Units (hours)			
	Actual	At Completion	Budgeted	Variance	Actual	At Completion	Budgeted	Variance
Key Projects over $500K	$5,148,067	$31,841,565	$31,706,795	$134,770	67,693	367,979	366,559	1,420
Energy Projects	$1,485,149	$3,641,001	$3,569,363	$71,639	17,358	45,516	44,562	954
Construction Projects	$1,448,986	$14,223,340	$14,179,582	$43,758	20,504	195,524	194,824	699
Corporate Projects	$1,299,952	$6,846,477	$6,816,461	$30,016	9,282	54,762	54,452	310
Proposed Corporate Programs	$1,299,952	$6,846,477	$6,816,461	$30,016	9,282	54,762	54,452	310
Manufacturing Projects	$1,889,992	$5,321,193	$5,295,480	$25,712	31,039	82,305	82,374	-69
Proposals for Next Year		$5,040,231	$5,040,231	$0		35,950	35,950	0
IT Portfolio	$585,374	$6,118,124	$6,127,749	-$9,624	5,221	46,336	46,423	-87
Key Sample Projects	$1,866,701	$7,007,339	$7,071,781	-$64,442	22,300	89,147	88,540	607
Product Dev Projects	$1,068,847	$7,818,679	$7,962,181	-$143,502	9,556	53,751	53,836	-85

Purpose

This pivot table shows costs and units for each portfolio. Over budget values are highlighted in red text.

The pivot table shows columns for:

▸ Portfolio Name
▸ Actual (Cost)
▸ At Completion (Cost)
▸ Budgeted (Cost)
▸ Variance (Cost)
▸ Actual (Units)
▸ At Completion (Units)
▸ Budgeted (Units)
▸ Variance (Units)

This vertical stacked bar graph shows a stacked bar for the number of Remaining Units and Overallocation Units. There is a bar for any resource that is overallocated.

The x-axis shows Resource Name. The y-axis shows Units in hours. Hover over a bar for specific details.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.
3) On the **Resource Analysis** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Portfolio Summary** section.

Subject Areas

Activity

Location Page

This page provides cost information based on country code.

$8,703,430	$1,215,911	$45,966	1.02	0.91
Highest At Completion Total Cost	Highest Earned Value Cost	Lowest Earned Value Cost	Highest Cost Performance Index	Lowest Cost Performance Index
Country: **United States**	Country: **United States**	Country: **Chile**	Country: **China**	Country: **France**

The Highest At Completion Total Cost narrative shows the cost amount for the country with the highest at completion total cost.

The Highest Earned Value Cost narrative shows the cost amount for the country with the highest earned value cost.

The Lowest Earned Value Cost narrative shows the cost amount for the country with the lowest earned value cost.

The Highest Cost Performance Index narrative shows the index number for the country with the highest cost performance index.

The Lowest Cost Performance Index narrative shows the index number for the country with the lowest cost performance index.

Completion Cost by Location Section

Purpose

This map shows Cost Variance Index by country code when zoomed out to country level. White areas of the map indicate that no project is located in that area.

Switch off the Cost Variance (Cost) (Color Fill) option below ALL COUNTRIES to remove the shading. Zoom in and out with the control on the left and hover over a country, state, or province to see specific information and for a link to the country code which will filter the table and vertical bar graph.

This pivot table uses geospatial data stored by the Location settings in P6 to show projects assigned to the country code selected. Each of the cost columns is totaled on the bottom line of the table to give a grand total for that country code.

For each project, the table shows columns for:

▸ Project Name
▸ City Name
▸ At Completion Labor Cost
▸ At Completion Nonlabor Cost
▸ At Completion Material Cost
▸ At Completion Expense Cost
▸ At Completion Total Cost

This vertical bar graph has the following cost bars for each project:

▸ At Completion Labor Cost
▸ At Completion Nonlabor Cost
▸ At Completion Material Cost
▸ At Completion Total Cost

The x-axis shows project name. The y-axis shows Cost.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Main**.
3) On the **Main** dashboard, click the **Location** page.
4) On the **Location** page, expand the **Completion Cost by Location** section.

Subject Areas

Activity

Risk Page

This page shows the risk exposure for each project by country.

Risk Exposure by Location Section
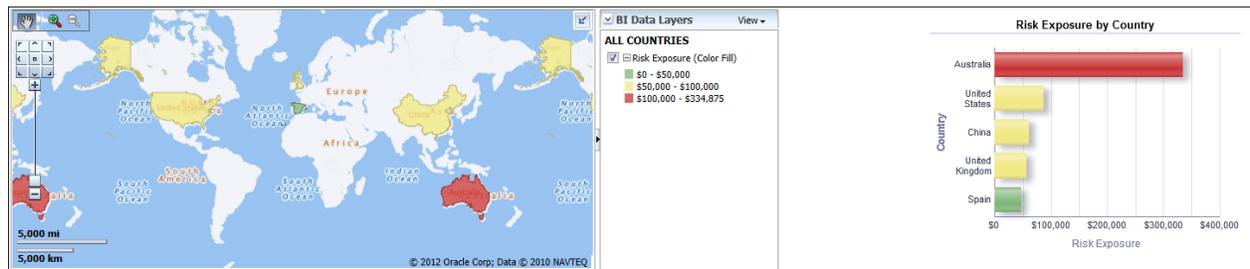
Purpose

This map shows total risk exposure by country code. White areas of the map indicate that no project is located in that area.

Zoom in and out with the control on the left and hover over a country, state, or province to see specific information.

This horizontal bar graph shows a bar for each country showing Risk Exposure in dollars. Red bars denote a risk exposure greater than $100,000, yellow bars denote a risk exposure between $50,000 and $100,000, and green bars denote risk exposure less than $50,000.

The x-axis shows Risk Exposure. The y-axis shows country name.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Main**.
3) On the **Main** dashboard, click the **Risk** page.
4) On the **Risk** page, expand the **Risk Exposure by Location** section.

Subject Areas

Project History

Detailed Risk by Location Section

Country Name	Project Id	Project Risk Score	Project Risk Exposure	Risk Name	Risk Type	Risk Status	Risk Exposure Start	Risk Exposure Finish	Link to Risks
Australia	EC00610	119	$334,875	Concrete supply constrained	Threat	Active	9/1/2012	5/17/2015	Project Risks
		119		Poor ground conditions	Threat	Open	9/1/2012	9/24/2016	Project Risks
		119		Weather delay due to unusually wet weather	Threat	Active	9/1/2012	9/24/2016	Project Risks
United States	NRG00920	112	$43,725	Difficulty troubleshooting alarm issue	Threat	Open	10/14/2013	10/15/2013	Project Risks
		112		Extensive leak repair	Threat	Open	10/14/2013	10/28/2013	Project Risks
		112		Lack of skilled labor	Threat	Open	10/14/2013	10/29/2013	Project Risks
		112		Valve installation issues	Threat	Open	10/16/2013	10/28/2013	Project Risks
China	PROD00414	42	$61,563	Client / User Involvement	Threat	Open	4/27/2013	7/28/2013	Project Risks
		42		External Business Impacts	Threat	Open	2/1/2013	7/28/2013	Project Risks
		42		Product Scope Creep	Threat	Open	2/8/2013	4/28/2013	Project Risks
		42		Product/Technological Complexity	Threat	Open	2/8/2013	7/28/2013	Project Risks
		42		Sales Management Buy-in	Threat	Open	2/1/2013	3/1/2013	Project Risks
		42		Staff Turnover	Threat	Open	3/1/2013	3/22/2013	Project Risks
		42		Unrealistic Expectations	Threat	Open	2/8/2013	3/22/2013	Project Risks
United Kingdom	IT00351	39	$56,875	Client / User Involvement	Threat	Open	4/26/2013	8/17/2013	Project Risks
		39		External Business Impacts	Threat	Open	4/4/2013	8/17/2013	Project Risks
		39		Scope Creep	Threat	Active	4/26/2013	7/8/2013	Project Risks
		39		Senior Management Buy-in	Threat	Open	4/4/2013	4/26/2013	Project Risks
		39		Staff Turnover	Threat	Open	4/28/2013	7/8/2013	Project Risks
		39		Technological Complexity	Threat	Open	6/10/2013	7/18/2013	Project Risks
		39		Unrealistic Expectations	Threat	Open	4/7/2013	5/17/2013	Project Risks

Purpose

This pivot table shows detailed risk information for each country broken down by project ID. The pivot table shows columns for:

▸ Country Name
▸ Project ID
▸ Project Risk Score
▸ Project Risk Exposure
▸ Risk Name
▸ Risk Type
▸ Risk Status
▸ Risk Exposure Start
▸ Risk Exposure Finish
▸ A link to the risks in P6 EPPM

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Main**.
3) On **Main** dashboard, click the **Risk** page.
4) On the **Risk** page, expand the **Detailed Risk by Location** section.

Subject Areas

Activity

Portfolio Analysis Dashboard

This dashboard contains important portfolio information based on project performance, project costs, risks, and rewards by project, strategic objectives, and multiple ratings of project codes.

Overview Page

This page shows ratings, performance, and cost information broken down by project or sponsor.

Project Investment Map Section

Purpose

This bubble graph plots projects according to their financial and strategic rating.

The x-axis shows Financial Rating. The y-axis shows Strategic Rating. Bubble size represents At Completion Total Cost, with a larger bubble representing a larger value. Bubble color is used only to differentiate between bubbles. Hover over a bubble for specific details.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Portfolio Analysis**.
3) On the **Portfolio Analysis** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Project Investment Map** section.

Subject Areas

Activity

Proposed vs. Committed Cost Section

		View by:	Sponsor ▼	Location ▼						
Sponsor	Australia	Baytown	Brazil	China	Europe	India	Latin America	North America	Philadelphia	Russia
Brian Perry	$219,312				$1,400,897			$396,850	$1,350	
	$463,878				*$188,031*					
Chris Richards						$1,095,983		$206,907		
			$861,300							
Ellen McMicheals						$1,895,525		$535,487		
			$1,444,802							
James Wong				$2,524,001		$321,983				
							$250,855			
Kim Forbes							$2,300,217			
		$80,433							*$124*	*$60,353*
Lance Pederson				$466,127						
				$873,597			*$614,149*			
Mitch Allen	$5,095,177		$376,999							
						$550,470		*$1,167,034*		
Reid Thompson					$773,561			$1,386,152		
			$619,497			*$1,025,299*		*$4,171,410*		
Scott Forsyth					$2,003,790					
	$416,800				*$767,300*			*$1,093,964*		*$969,673*
Vladimir Popov							$3,630,975			$1,224,054
										$2,636,758

Purpose

This pivot table shows proposed and committed costs broken down by the project codes you select in the View by lists. Use the left View by list to select the project code to be used on the left side of the table. Use the right View by list to select the project code to be used across the top of the table.

Left View by list project codes:

▶ Sponsor
▶ Business Segment
▶ Project Manager
▶ Project Type
▶ Strategic Objective

Right View by list project codes:

▶ Location
▶ Business Segment
▶ Project Manager
▶ Project Type
▶ Strategic Objective

Proposed Cost is displayed in blue italicized text. Committed Cost is display in black text.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Portfolio Analysis**.

3) On the **Portfolio Analysis** dashboard, click the **Overview** page.

4) On the **Overview** page, expand the **Proposed vs. Committed Cost** section.

Subject Areas

Activity

Project Performance by Sponsor Section
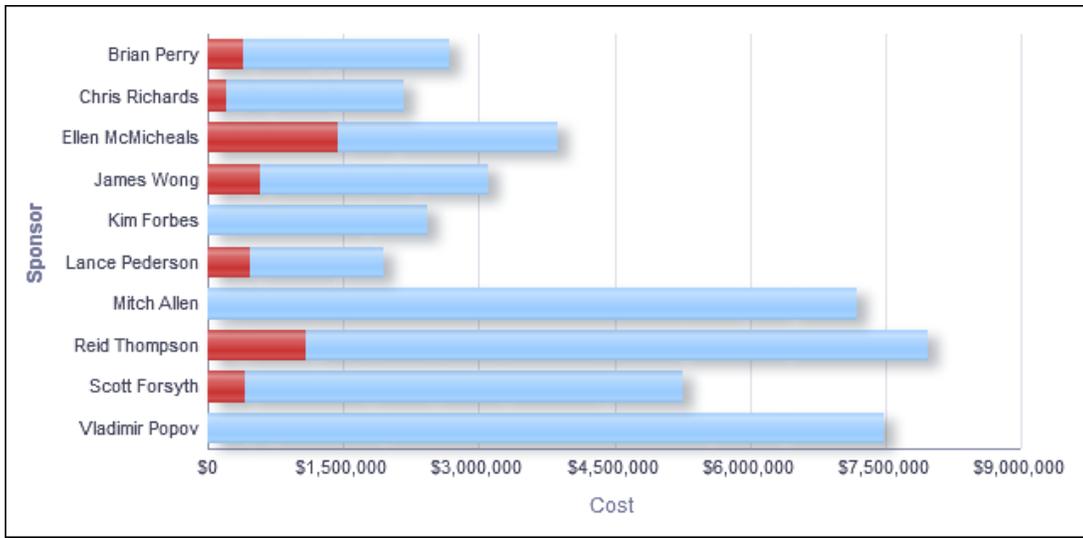
Purpose

This stacked horizontal bar graph shows stacked bars plotting the At Completion Total Cost per sponsor. Each band on a bar represents a different project and bands are colored according to their project score, which is a measure of their performance. Blue bands represent projects with a project score of more than 65; red bands represent poorly performing projects with a project score of less than 65.

The x-axis shows investment Cost. The y-axis shows the project Sponsor. Hover over a bar for specific data and click on the bar to drill down to see more information about the project.

Location

1) On the **Home** page, click **Dashboards**.

2) Under **Primavera**, select **Portfolio Analysis**.

3) On the **Portfolio Analysis** dashboard, click the **Overview** page.

4) On the **Overview** page, expand the **Project Performance by Sponsor** section.

Subject Areas

Activity

Performance Page

This page displays performance data for each portfolio. Find the monthly Schedule Performance Index (SPI) and Cost Performance Index (CPI), as well as units and cost statistics for every project in your portfolio.

Portfolio Analysis Trending Section

Portfolio Name	2012												2013							
	2012-07		2012-08		2012-09		2012-10		2012-11		2012-12		2013-01		2013-02		2013-03		2013-04	
	SPI	CPI	SPI	CPI	SPI	CPI	SPI	CPI	SPI	CPI	SPI	CPI	SPI	CPI	SPI	CPI	SPI	CPI	SPI	CPI
Construction Projects					1.038	0.994	1.028	0.992	1.023	0.962	1.013	0.966	0.900	0.934	0.894	0.940	0.899	0.964	1.078	0.995
Corporate Projects	0.681	0.583	0.974	0.936	0.930	0.919	1.069	1.102	0.927	0.895	1.089	0.999	1.019	1.076	0.838	0.927	1.055	1.033	0.983	1.006
Energy Projects									0.936	0.930	0.994	1.632	0.970	0.960	1.018	0.921	0.975	0.994	1.024	0.920
IT Portfolio			0.874	0.843	1.041	1.024	1.020	0.991	1.025	0.997	1.004	1.033	1.019	0.988	0.884	1.045	0.946	1.425	1.083	0.836
Key Projects over $500K	0.794	0.698	1.016	0.993	0.997	0.993	1.083	1.061	1.012	0.954	1.007	1.086	0.929	0.962	0.914	0.930	1.062	1.094	0.738	0.757
Key Sample Projects	0.969	0.761	0.970	0.912	0.972	0.932	1.089	1.060	1.000	0.958	1.062	1.011	0.908	1.017	0.848	0.935	1.043	1.071	0.870	0.796
Manufacturing Projects	1.127	1.108	1.052	1.063	0.994	1.034	1.096	1.096	0.966	0.952	0.931	0.960	0.962	0.981	0.871	0.955	1.112	1.197	0.427	0.455
Product Dev Projects			1.000	1.000	1.098	1.011	0.955	1.032	1.092	0.997	1.006	0.997	0.862	0.987	1.019	0.966	0.989	1.038	0.961	1.014
Proposed Corporate Programs	0.681	0.583	0.974	0.936	0.930	0.919	1.069	1.102	0.927	0.895	1.089	0.999	1.019	1.076	0.838	0.927	1.055	1.033	0.983	1.006

Purpose

This pivot table shows CPI and SPI per month for each portfolio. CPIs and SPIs lower than 1.000 are highlighted in red whereas CPIs and SPIs higher than 1.000 are highlighted in green. Values of exactly 1.000 are not highlighted.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Portfolio Analysis**.
3) On the **Portfolio Analysis** dashboard, click the **Performance** page.
4) On the **Performance** page, expand the **Portfolio Analysis Trending** section.

Subject Areas

Activity

Portfolio View Section

Portfolio Name	Cost				Units (hours)			
	Actual	At Completion	Budgeted	Variance	Actual	At Completion	Budgeted	Variance
Key Projects over $500K	$5,148,067	$31,841,565	$31,706,795	$134,770	67,693	367,979	366,559	1,420
Energy Projects	$1,485,149	$3,641,001	$3,569,363	$71,639	17,358	45,516	44,562	954
Construction Projects	$1,448,986	$14,223,340	$14,179,582	$43,758	20,504	195,524	194,824	699
Corporate Projects	$1,299,952	$6,846,477	$6,816,461	$30,016	9,282	54,762	54,452	310
Proposed Corporate Programs	$1,299,952	$6,846,477	$6,816,461	$30,016	9,282	54,762	54,452	310
Manufacturing Projects	$1,889,992	$5,321,193	$5,295,480	$25,712	31,039	82,305	82,374	-69
Proposals for Next Year		$5,040,231	$5,040,231	$0		35,950	35,950	0
IT Portfolio	$585,374	$6,118,124	$6,127,749	-$9,624	5,221	46,336	46,423	-87
Key Sample Projects	$1,866,701	$7,007,339	$7,071,781	-$64,442	22,300	89,147	88,540	607
Product Dev Projects	$1,068,847	$7,818,679	$7,962,181	-$143,502	9,556	53,751	53,836	-85

Purpose

This pivot table shows cost and units for each portfolio. Values that are over budget are highlighted in red text.

The pivot table shows columns for:

▶ Portfolio Name
▶ Actual (Cost)
▶ At Completion (Cost)
▶ Budgeted (Cost)
▶ Variance (Cost)
▶ Actual (Units)
▶ At Completion (Units)
▶ Budgeted (Units)
▶ Variance (Units)

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Portfolio Analysis**.
3) On the **Portfolio Analysis** dashboard, click the **Performance** page.
4) On the **Performance** page, expand the **Portfolio View** section.

Subject Areas

Activity

Prioritization Page

This page displays the priority of your projects. You can find information on the financial rating and risk of each project, group them by multiple ratings, or see the current phase of each project, separated by strategic rating.

Risk vs. Reward Section
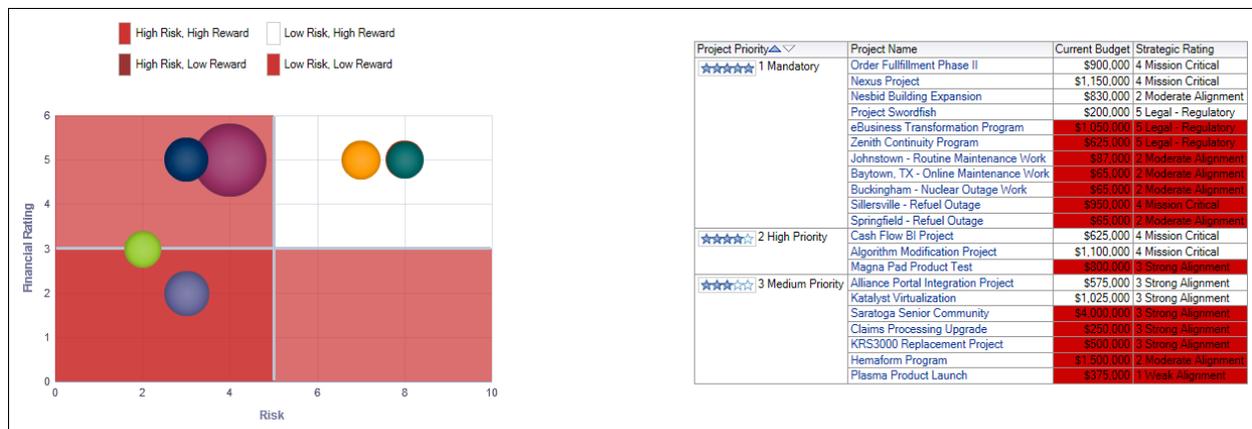
Purpose

This bubble graph plots projects according to their financial rating and risk. Bubbles in the red quadrant of the bubble graph have a low financial rating (reward) and a high risk while those in the white quadrant have a low risk but offer a high reward. Risk in this case is a project code and is not related to P6 EPPM risks functionality.

The x-axis shows Risk. The y-axis shows Financial Rating. Bubble size represents current budget, with a larger bubble representing a larger value. Bubble color is used only to differentiate between bubbles. Hover over a bubble for specific details.

This pivot table groups projects according to their priority. The pivot table shows columns for:

▶ Project Priority
▶ Project Name
▶ Current Budget
▶ Strategic Rating

Use the up and down arrows below the table to navigate to other sections of the table. Use the double-ended arrow to view the whole table in one screen (to a maximum of 500 rows per page).

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Portfolio Analysis**.
3) On the **Portfolio Analysis** dashboard, click the **Prioritization** page.
4) On the **Prioritization** page, expand the **Risk vs. Reward** section.

Subject Areas

Activity

Project Initiation Section
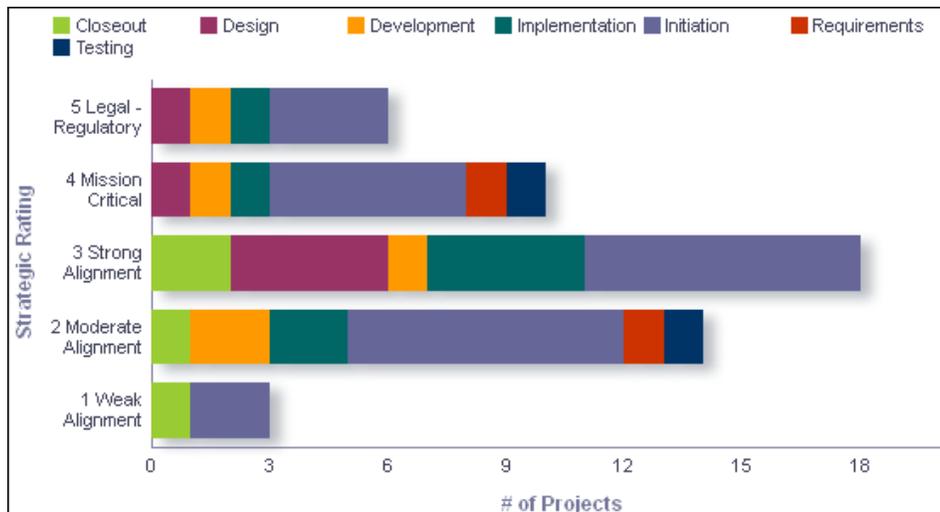
Purpose

This stacked horizontal bar graph shows the number of projects for each strategic rating, grouped by the current phase project code. Each band on a bar represents a different value of the current phase sample project code.

The x-axis shows the number of projects. The y-axis shows Strategic Rating. Hover over a band to see specific information.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Portfolio Analysis**.
3) On the **Portfolio Analysis** dashboard, click the **Prioritization** page.
4) On the **Prioritization** page, expand the **Project Initiation** section.

Subject Areas

Activity

Rating Section

Purpose

This radar graph shows project code ratings per project.

Each colored line on the graph represents a separate project. The axes show the following project codes:

- ▶ Financial Rating
- ▶ Resource Rating
- ▶ Strategic Rating
- ▶ Technology Rating
- ▶ Risk Rating

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Portfolio Analysis**.
3) On the **Portfolio Analysis** dashboard, click the **Prioritization** page.
4) On the **Prioritization** page, expand the **Rating** section.

## Subject Areas

Activity

Project Prioritization - Force Rank by Score Section

Project Name	Project Score	Financial Rating	Resource Rating	Strategic Rating	Technology Rating
Project Nano	91.00	5 NPV over $2M	4 Able to Shift	4 Mission Critical	5 Competitive Advantage
Nexus Project	90.00	5 NPV over $2M	3 Limited Resources	4 Mission Critical	5 Competitive Advantage
Project Silicon	89.00	5 NPV over $2M	2 Hire or Outsource	5 Legal - Regulatory	4 Innovative
Project Swordfish		5 NPV over $2M	2 Hire or Outsource	5 Legal - Regulatory	4 Innovative
Magna Pad Product Test	88.00	5 NPV over $2M	4 Able to Shift	3 Strong Alignment	5 Competitive Advantage
GIS Interface Project	87.00	5 NPV over $2M	3 Limited Resources	3 Strong Alignment	5 Competitive Advantage
Data Center Consolidation	84.00	5 NPV over $2M	4 Able to Shift	3 Strong Alignment	4 Innovative
ERP Legacy Merge		4 NPV $1M to $2M	4 Able to Shift	5 Legal - Regulatory	3 Industry Standard
Juniper Nursing Home		5 NPV over $2M	4 Able to Shift	3 Strong Alignment	4 Innovative
Katalyst Virtualization		5 NPV over $2M	4 Able to Shift	3 Strong Alignment	4 Innovative
Order Management Redesign		5 NPV over $2M	4 Able to Shift	3 Strong Alignment	4 Innovative
Zenith Continuity Program		3 NPV $500K to $1M	5 Plenty Available	5 Legal - Regulatory	3 Industry Standard
Algorithm Modification Project	83.00	5 NPV over $2M	2 Hire or Outsource	4 Mission Critical	4 Innovative
Cash Flow BI Project		4 NPV $1M to $2M	5 Plenty Available	4 Mission Critical	4 Innovative
Ravine - Plant Expansion & Modernization		4 NPV $1M to $2M	3 Limited Resources	4 Mission Critical	5 Competitive Advantage
Sillersville - Refuel Outage		5 NPV over $2M	2 Hire or Outsource	4 Mission Critical	4 Innovative
Alliance Portal Integration Project	81.00	5 NPV over $2M	3 Limited Resources	3 Strong Alignment	3 Industry Standard
Order Fulfillment Phase II		4 NPV $1M to $2M	5 Plenty Available	4 Mission Critical	3 Industry Standard
City Center Office Building Addition	80.00	5 NPV over $2M	2 Hire or Outsource	3 Strong Alignment	4 Innovative
Driftwood - Refuel Outage		4 NPV $1M to $2M	4 Able to Shift	4 Mission Critical	4 Innovative
Red River - Refuel Outage	79.00	4 NPV $1M to $2M	3 Limited Resources	4 Mission Critical	4 Innovative
Digitization Program	78.00	3 NPV $500K to $1M	4 Able to Shift	3 Strong Alignment	5 Competitive Advantage
Haitang Corporate Park		5 NPV over $2M	4 Able to Shift	3 Strong Alignment	2 Status Quo
Saratoga Senior Community	77.00	5 NPV over $2M	3 Limited Resources	3 Strong Alignment	2 Status Quo
Melrose - Plant Expansion & Modernization	76.00	4 NPV $1M to $2M	3 Limited Resources	3 Strong Alignment	4 Innovative

⬆ ⬆ ⬇ ⬍ Rows 1 - 25

Purpose

This pivot table sorts projects by project score (descending). Project scores above 85 are highlighted in green; project scores from 65 to 85 are highlighted in yellow; project scores below 65 are highlighted in red.

The pivot table shows columns for:

▶ Project Name
▶ Project Score
▶ Financial Rating
▶ Resource Rating
▶ Strategic Rating
▶ Technology Rating

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Portfolio Analysis**.
3) On the **Portfolio Analysis** dashboard, click the **Prioritization** page.
4) On the **Prioritization** page, expand the **Project Prioritization - Force Rank by Score** section.

Subject Areas

Activity

Objectives Page

This page shows the investment breakdown and performance of projects by the Strategic Objective project code.

Investment by Strategic Objective Section
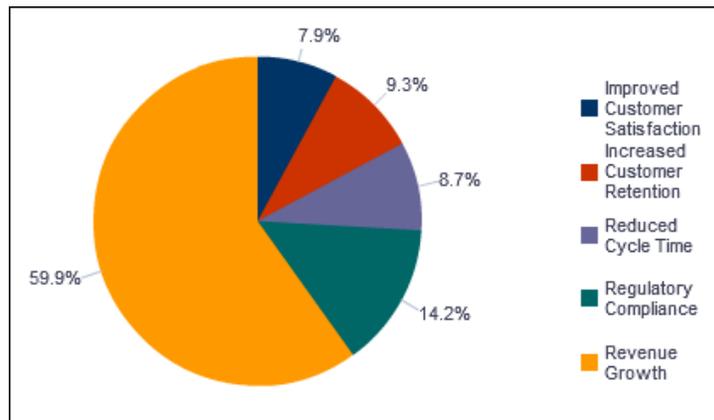
Purpose

This pie chart shows the investment (determined from At Completion Total Cost for the project) broken down by the Strategic Objective project code. The segments represent the amount of At Completion Total Cost accountable to each Strategic Objective.

The Strategic Objective project codes are:

▶ Improved Customer Satisfaction

- ▶ Increased Customer Retention
- ▶ Reduced Cycle Time
- ▶ Regulatory Compliance
- ▶ Revenue Growth

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Portfolio Analysis**.
3) On the **Portfolio Analysis** dashboard, click the **Objectives** page.
4) On the **Objectives** page, expand the **Investment by Strategic Objective** section.

Subject Areas

Activity

Project Performance by Strategic Objective Section

Purpose

The Improved Customer Satisfaction, Increased Customer Retention, Reduced Cycle Time, Regulatory Compliance, and Revenue Growth stacked horizontal bar graphs show the investment amount for projects grouped by sponsor name. Each graph shows data for a different set of projects, selected by a project code. Each band on a bar represents a different project. Hover over a section of a bar to see specific data.

The x-axis shows Investment. The y-axis shows Sponsor.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Portfolio Analysis**.

3) On the **Portfolio Analysis** dashboard, click the **Objectives** page.

4) On the **Objectives** page, expand the **Project Performance by Strategic Objective** section.

Subject Areas

Activity

Project Earned Value Dashboard

This dashboard gives an overview of the earned value status of your projects, including SPI and CPI.

Overview Page

This page shows statistics on a project's planned value, earned value, actual costs, and the estimated cost at completion, grouped by month or project manager.

Earned Value Section

Year Name	Quarter Name	Month Name	Actual Total Cost	AC (Cum.)	Earned Value (Cost)	EV (Cum.)	Planned Value (Cost)	PV (Cum.)	Estimate At Completion (Cost)	EAC (Cum.)
2012	2012-Q4	2012-10	$706,573	$706,573	$743,119	$743,119	$709,342	$709,342	$867,406	$867,406
		2012-11	$783,421	$1,489,994	$746,650	$1,489,769	$742,425	$1,451,767	$929,269	$1,796,675
		2012-12	$1,081,833	$2,571,827	$1,057,480	$2,547,249	$1,052,239	$2,504,006	$1,207,329	$3,004,004
2013	2013-Q1	2013-01	$1,063,825	$3,635,652	$1,040,797	$3,588,046	$1,093,282	$3,597,288	$1,126,339	$4,130,343
		2013-02	$881,655	$4,517,307	$842,149	$4,430,195	$904,992	$4,502,279	$917,029	$5,047,373
		2013-03	$937,526	$5,454,833	$1,006,595	$5,436,791	$1,002,610	$5,504,890	$976,336	$6,023,708
	2013-Q2	2013-04	$1,128,942	$6,583,775	$946,706	$6,383,497	$1,066,690	$6,571,580	$1,216,919	$7,240,627

Purpose

Use the Select a View list to determine how cost information will display. The available views are:

▸ Periodic/Cumulative

▸ Periodic

▶ Cumulative

The line-bar graph shows cost information dependent on the view you select:

▶ Bars for Actual Total Cost, Earned Value (Cost), Planned Value (Cost), and Estimate At Completion (Cost)
▶ Lines for cumulative values of Actual Cost, Earned Value, Planned Value, and Estimate At Completion

The x-axis of the graph shows the year and month. The y-axis for the bars, on the left, shows period Cost. The y-axis for the lines, on the right, shows Cost (Cumulative).

This pivot table breaks down cost data by year, quarter, and month. Depending on the selected view, the table shows columns for:

▶ Year Name
▶ Quarter Name
▶ Month Name
▶ Actual Total Cost
▶ Actual Cost (Cumulative)
▶ Earned Value (Cost)
▶ Earned Value (Cumulative)
▶ Planned Value (Cost)
▶ Planned Value (Cumulative)
▶ Estimate At Completion (Cost)
▶ Estimate At Completion (Cumulative)

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Earned Value**.
3) On the **Project Earned Value** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Earned Value** section.

Subject Areas

Activity

Project Earned Value Breakdown Section
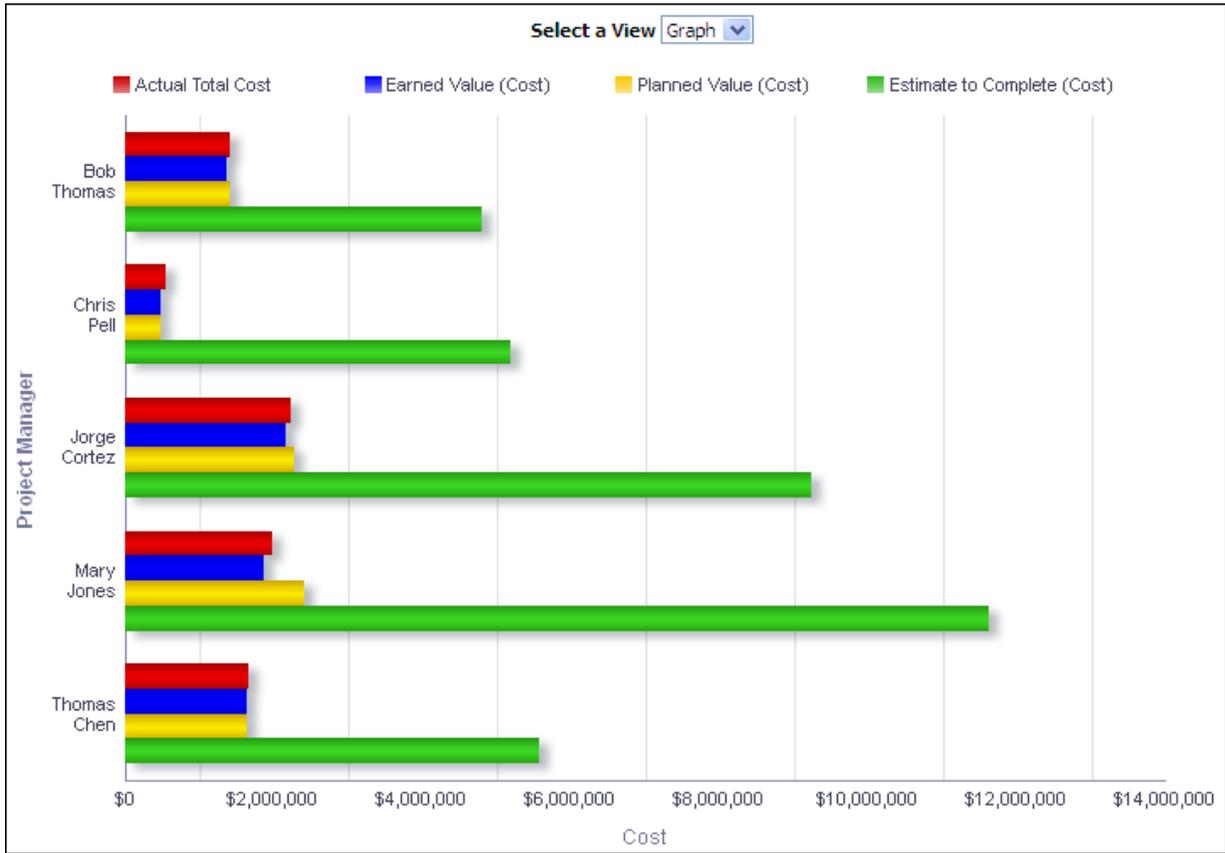
Purpose

Use the Select a View list to determine whether this cost information will display as a horizontal bar graph or table. Regardless of the view chosen, the data is the same.

This horizontal bar graph breaks down data by the Project Manager project code and shows bars for:

▸ Actual Total Cost
▸ Earned Value (Cost)
▸ Planned Value (Cost)
▸ Estimate to Complete (Cost)

The x-axis shows Cost. The y-axis shows the Project Manager project code. Hover over a bar to see specific information.

This table breaks data down by Project Manager and shows columns for:

▸ Project Manager
▸ Actual Total Cost
▸ Earned Value (Cost)
▸ Planned Value (Cost)
▸ Estimate to Complete (Cost)

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Earned Value**.
3) On the **Project Earned Value** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Project Earned Value Breakdown** section.

Subject Areas

Activity

CPI/SPI Page

This page provides CPI and SPI information, helping you to identify which projects are over budget or behind schedule.

Cost & Schedule Performance Index Section
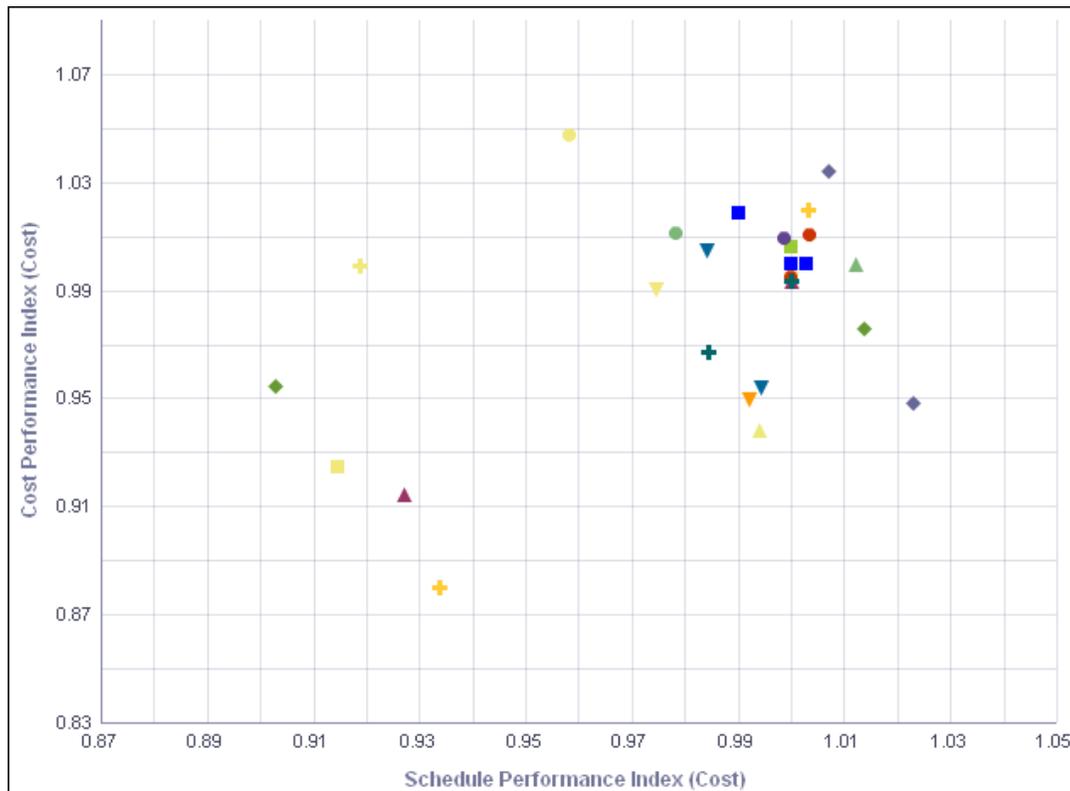
Purpose

This scatter graph plots each project on a scatter graph according to its SPI and CPI.

The x-axis shows Schedule Performance Index (Cost). The y-axis shows Cost Performance Index (Cost). Hover over a point to see specific information.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Earned Value**.
3) On the **Project Earned Value** dashboard, click the **CPI/SPI** page.
4) On the **CPI/SPI** page, expand the **Cost & Schedule Performance Index** section.

Subject Areas

Activity

CPI/SPI Section
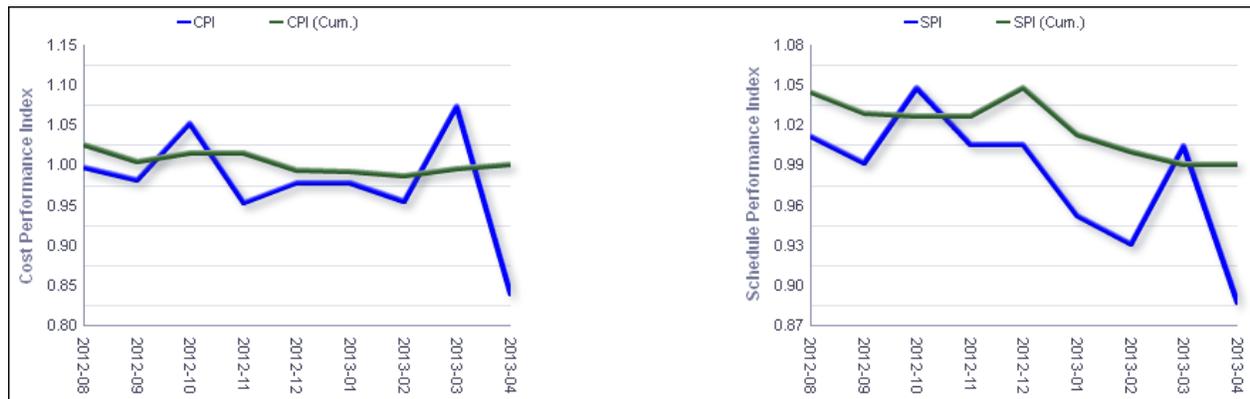
Purpose

This section shows:

▸ A line graph which plots the CPI and Cumulative CPI by month.
▸ A line graph which plots the SPI and Cumulative SPI by month.

The x-axis shows the month and year. The y-axis shows the Cost Performance Index or the Schedule Performance Index.

> **Note**: Cumulative SPI and Cumulative CPI are calculated from cumulative values, rather than being accumulations of CPI or SPI values from previous periods.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Earned Value**.
3) On the **Project Earned Value** dashboard, click the **CPI/SPI** page.
4) On the **CPI/SPI** page, expand the **CPI/SPI** section.

Subject Areas

Activity

Performance Index Section
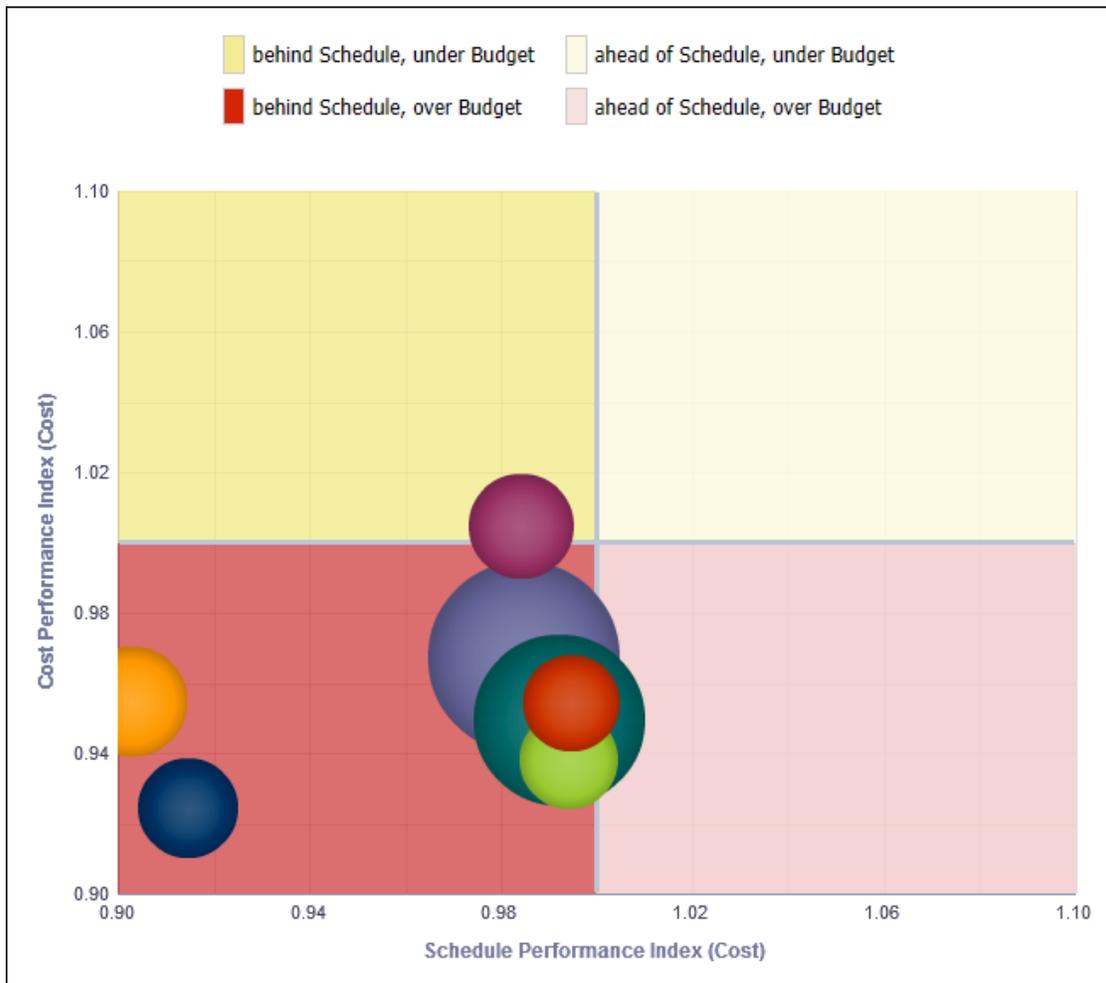
Purpose

This bubble graph plots bubbles for projects according to their Cost Performance Index (Cost) and Schedule Performance Index (Cost). The location of each bubble in the chart will tell you whether the project it represents is under or over budget (above or below the horizontal center, respectively) and whether it is behind or ahead of schedule (left or right of the vertical center, respectively).

The x-axis shows Schedule Performance Index (Cost). The y-axis shows Cost Performance Index (Cost). Bubble size represents At Completion Total Cost, with larger bubbles representing larger values. Bubble color is used only to differentiate between bubbles. Hover over a bubble for specific details.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Earned Value**.
3) On the **Project Earned Value** dashboard, click the **CPI/SPI** page.

4) On the **CPI/SPI** page, expand the **Performance Index** section.

Subject Areas

Activity

Detailed Earned Value Page

This page provides a detailed view of a project's earned value, total costs, and estimate at completion costs.

Detailed Earned Value by WBS Section

WBS Hierarchy	Actual Total Cost	AC (Cum.)	Earned Value (Cost)	EV (Cum.)	Planned Value (Cost)	PV (Cum.)	Estimate At Completion (Cost)	EAC (Cum.)
▽ All	$7,826,928	$7,826,928	$7,500,885	$7,500,885	$8,219,163	$8,219,163	$50,901,535	$50,901,535
▷ 3D Prototype Project					$0	$0	$1,167,034	$1,167,034
▷ 4G Tablet Project	$252,289	$252,289	$257,034	$257,034	$259,571	$259,571	$466,902	$1,633,936
▷ ACH Integration Project	$25,360	$277,649	$26,560	$283,595	$27,720	$287,291	$721,672	$2,355,608
▷ Algorithm Modification Project		$277,649		$283,595	$0	$287,291	$1,025,299	$3,380,907
▷ Alliance Portal Integration Project		$277,649		$283,595	$0	$287,291	$767,300	$4,148,207
▷ Arcadia - Automated System	$219,312	$496,961	$218,553	$502,148	$218,553	$505,843	$219,312	$4,367,519
▷ Assisted Living Facility		$496,961		$502,148	$0	$505,843	$4,550,501	$8,918,019
▷ Baytown, TX - Offline Maintenance Work	$21,428	$518,389	$21,409	$523,557	$23,305	$529,148	$80,395	$8,998,414
▷ Buckingham - Nuclear Outage Work	$26,110	$544,499	$26,360	$549,917	$27,064	$556,212	$59,140	$9,057,554
▷ Business Process Template		$544,499		$549,917	$0	$556,212	$1,122,753	$10,180,307
▷ Cash Flow BI Project		$544,499		$549,917	$0	$556,212	$619,497	$10,799,803
▷ City Center Office Building Addition	$124,028	$668,527	$113,423	$663,340	$122,373	$678,585	$745,032	$11,544,835
▷ Claims Processing Upgrade		$668,527		$663,340	$0	$678,585	$256,541	$11,801,376
▷ Cordova - Plant Expansion & Modernization	$436,491	$1,105,017	$403,674	$1,067,013	$441,337	$1,119,922	$1,258,004	$13,059,380
▷ Data Center Consolidation	$95,056	$1,200,073	$96,118	$1,163,132	$98,247	$1,218,169	$281,768	$13,341,148
▷ Deerfield - Automated System	$131,265	$1,331,338	$128,123	$1,291,255	$126,413	$1,344,582	$206,907	$13,548,055
▷ Digitization Program	$104,475	$1,435,813	$106,537	$1,397,792	$106,202	$1,450,784	$984,112	$14,532,167
▷ Driftwood - Refuel Outage	$928,869	$2,364,681	$886,416	$2,284,208	$891,430	$2,342,214	$1,159,710	$15,691,877
▷ ERP Legacy Merge	$45,966	$2,410,648	$45,966	$2,330,174	$45,412	$2,387,625	$795,160	$16,487,037
▷ Employee Onboarding Portal	$162,844	$2,573,492	$162,844	$2,493,018	$162,406	$2,550,031	$773,561	$17,260,599
▷ GIS Interface Project	$54,145	$2,627,637	$54,709	$2,547,727	$54,515	$2,604,546	$907,470	$18,168,069
▷ Haitang Corporate Park	$191,767	$2,819,404	$198,278	$2,746,005	$196,929	$2,801,475	$620,147	$18,788,215
▷ Harbour Pointe Assisted Living Center	$650,946	$3,470,350	$629,787	$3,375,793	$639,752	$3,441,227	$4,577,377	$23,365,592
▷ Hemaform Program		$3,470,350		$3,375,793	$0	$3,441,227	$1,444,802	$24,810,394

⬆ ⬆ ⬇ ⬇ Rows 1 - 25

Purpose

This pivot table breaks projects down by WBS and shows columns for:

▸ WBS Hierarchy
▸ Actual Total Cost
▸ Actual Cost (Cumulative)
▸ Earned Value (Cost)
▸ Earned Value (Cumulative)
▸ Planned Value (Cost)
▸ Planned Value (Cumulative)
▸ Estimate At Completion (Cost)
▸ Estimate At Completion (Cumulative)

Use the expand/collapse control to drill down into the WBS structure.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Earned Value**.
3) On the **Project Earned Value** dashboard, click the **Detailed Earned Value** page.
4) On the **Detailed Earned Value** page, expand the **Detailed Earned Value by WBS** section.

Subject Areas

Activity

Project Health Dashboard

This dashboard offers useful tools for determining the health of your projects. On this dashboard, you can view the overall health of your project, look at schedule progress and cost trends, and determine which activities are not on track.

Overview Page

This page provides statistics for your project based on numerous variables, including project codes and ratings. You can view overall health and cost variance by cost account for any of your projects.

Project Count Section
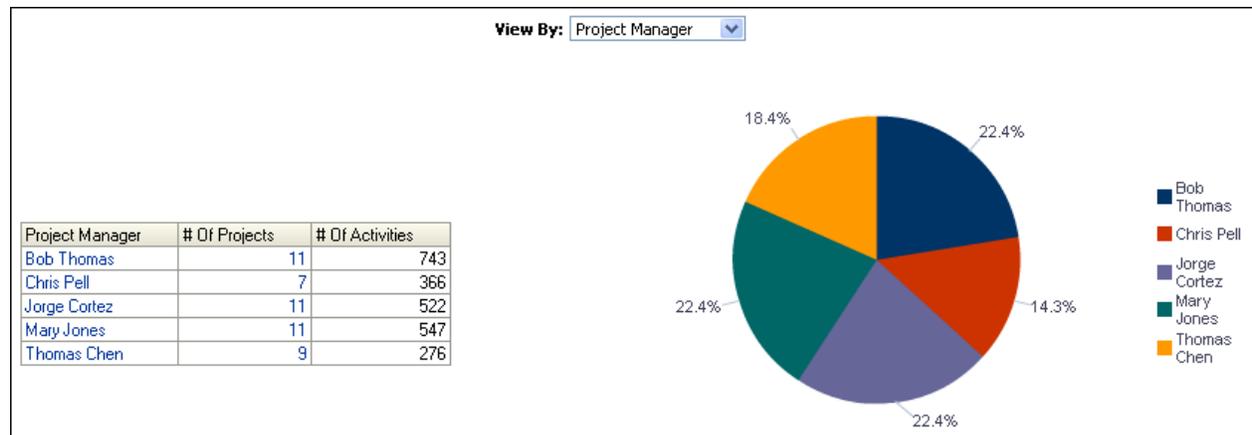
Purpose

Use the View By list to select a project code by which to view this table and pie chart. The available codes are:

‣ Project Manager
‣ Financial Rating
‣ Location
‣ Priority
‣ Sponsor

- ▶ Strategic Objective
- ▶ Strategic Rating

This table shows the number of projects and activities assigned to each value of the selected project code.

This pie chart shows the number of projects assigned to each value of the selected project code expressed as a percentage of total projects. Hover over a segment of the pie graph to see more detailed information, including the number of projects assigned to the code value.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Project Count** section.

Subject Areas

Activity

Overall Project Health Section

Purpose

Use the Business Process list to determine what data the first pivot table will show. The available business processes are:

- ▶ Accounting
- ▶ Billing
- ▶ Construction
- ▶ Customer Relationship
- ▶ Financing
- ▶ Human Resources
- ▶ Information Technology
- ▶ Manufacturing
- ▶ Operations

▶ Order Management
▶ Plant Maintenance
▶ Supply Chain

This business process pivot table shows columns for:

▶ Project ID
▶ Project Name
▶ Project Score (weighted project code)
▶ Budget Variance
▶ At Completion Total Cost
▶ Current Budget
▶ A link to the project in P6 EPPM

The second pivot table shows at completion total cost broken down by project owner and project.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Overall Project Health** section.

Subject Areas

Activity

Cost Account Section

Cost Account Name	Planned Cost	At Completion Cost	Cost Variance
	2012		
00100	$2,172,670.61	$2,166,690.21	$5,980
00200	$14,703,843.14	$14,774,171.42	-$70,328
00300	$6,050,387.41	$6,072,102.64	-$21,715
00400	$4,768,782.86	$4,831,430.55	-$62,648
00500	$2,165,402.82	$2,171,931.12	-$6,528
00600	$1,783,781.75	$1,783,001.75	$780
00700	$1,549,139.61	$1,545,803.29	$3,336
00800	$3,708,246.35	$3,709,072.06	-$826
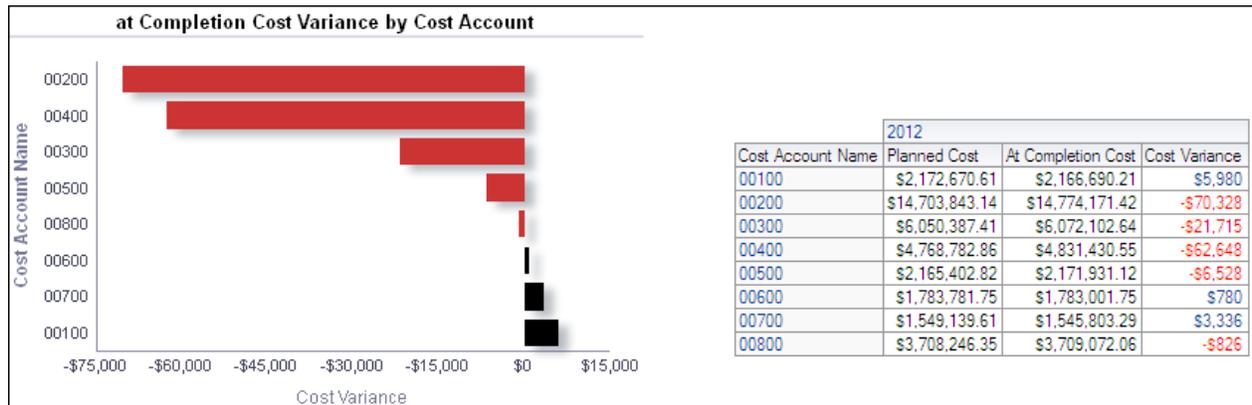
Purpose

This horizontal bar graph shows the cost variance for each cost account.

The x-axis shows Cost Variance. The y-axis shows the Cost Account Name ordered by Cost Variance. Red bars indicate a negative Cost Variance value, whereas black bars indicate a positive Cost Variance value. Hover over a bar to see specific information for the cost account.

This pivot table breaks data down by Cost Account Name and year. The table shows columns for:

▸ Cost Account Name
▸ Planned Cost
▸ At Completion Cost
▸ Cost Variance

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Cost Account** section.

Subject Areas

Resource Assignment

Schedule Page

This page shows you which activities are behind schedule, the performance of each activity in a project, a comparison of project schedule and performance, and resources with the highest At Completion Units.

16.2%	15.4%	16.8%	16.9%	3.7%
Schedule	Cost	Units	Labor Units	Nonlabor Units
% Complete	% Complete	% Complete	% Complete	% Complete

The Schedule narrative shows the percentage of activities that are complete in all projects.

The Cost narrative shows the percentage of the total cost for activities that are complete in all projects.

The Units narrative shows the percentage of units that are complete in all projects.

The Labor Units narrative shows the percentage of labor units that are complete in all projects.

The Nonlabor Units narrative shows the percentage of nonlabor units that are complete in all projects.

Critical Activities behind Schedule Section

Project Name	Activity ID	Activity Name	Variance At Completion (Units)	Link to Activities
Project Nano	PD1030	Design New Product	50.55	Project Activities
Haitang Corporate Park	EC1290	Fabricate and Deliver Heat Pump and Controls	49.83	Project Activities
Data Center Consolidation	IT1050	Design System	18.25	Project Activities
Digitization Program	IT1020	Create Plans	17.00	Project Activities
Melrose - Plant Expansion & Modernization	MN2000	Drywall in Offices	13.62	Project Activities
MDM Project	IT1040	Define System Requirements	13.08	Project Activities
GIS Interface Project	CP1000	Explore opportunity	8.50	Project Activities
Harbour Pointe Assisted Living Center	EC1240	Third Floor Masonry Structure	7.78	Project Activities
ACH Integration Project	IT1010	Define Project Charter	7.00	Project Activities
Juniper Nursing Home	EC1240	Third Floor Masonry Structure	4.57	Project Activities
City Center Office Building Addition	EC1190	Prepare and Solicit Bids for Heat Pump	3.30	Project Activities

21%
Critical activities behind schedule

Purpose

This narrative shows the percentage of critical activities which are behind schedule according to their Baseline Project Finish Date Variance.

This table is grouped by Variance At Completion units, high to low, and then by project. This allows you to see the activities with the highest variance at completion quickly and then to see the other activities which have finish variance in the same project. This table shows columns for:

▸ Project Name
▸ Activity ID
▸ Activity Name
▸ Variance at Completion (Units)
▸ A link to the project activities

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Schedule** page.
4) On the **Schedule** page, expand the **Critical Activities behind Schedule** section.

Subject Areas

Activity

Float Path Section

	# of Activities			
Float Path	Hydroblaster	Inspections	Ironworker	Operator
1	9	3	5	1
2	6	2		
3	2			
4	5	1		
5	2			
6	3	1		1
7	3	1		1
8	8	1		1
9	10	2		2
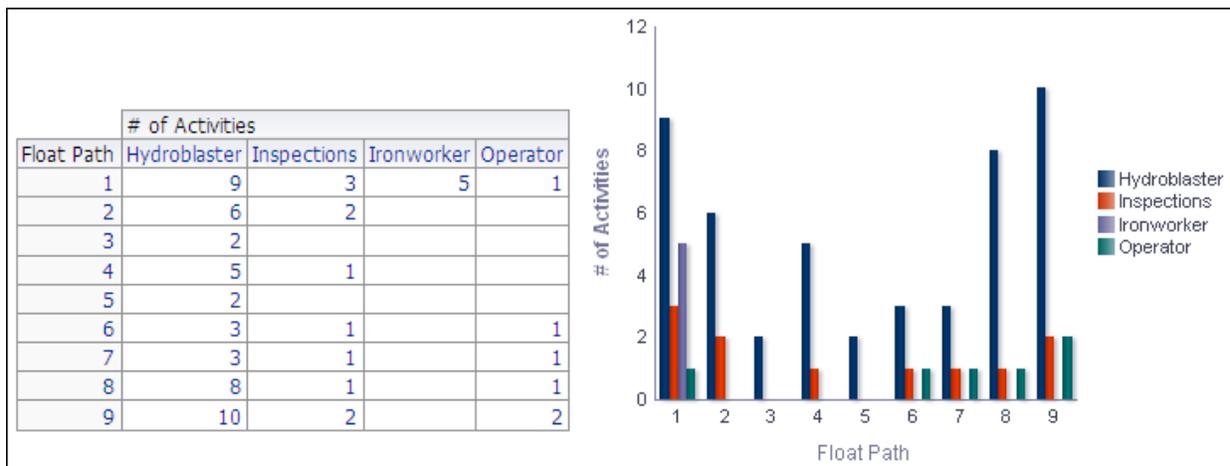
Purpose

This pivot table shows the number of activities per float path grouped by primary resource.

This vertical bar graph shows the number of activities for each primary resource in a float path.

The x-axis shows the Float Path. The y-axis shows the number of activities. Hover over a bar for specific information.

Location

1) On the **Home** page, click **Dashboards**.

2) Under **Primavera**, select **Project Health**.

3) On the **Project Health** dashboard, click the **Schedule** page.

4) On the **Schedule** page, expand the **Float Path** section.

Subject Areas

Activity

Labor Performance Section
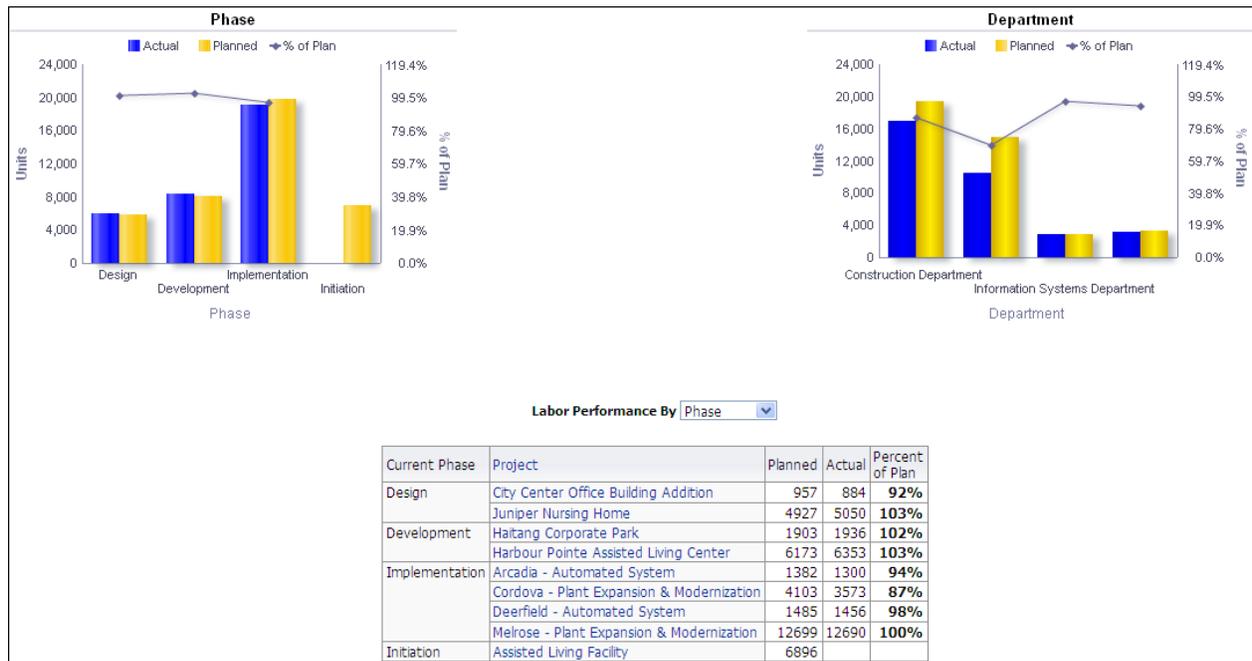
Purpose

The Phase and Department line-bar graphs show data for activities assigned to the Phase and Department activity codes. Both of these line-bar graphs show:

▶ Bars for the Actual and Planned labor

▶ A line for the Percent of Plan labor units expressed as a percentage of baseline project labor units

The x-axis of the Phase line-bar graph shows Phase code values. The x-axis of the Department line-bar graph shows Department code values. On both line-bar graphs the y-axis for the bars, on the left, shows labor Units. On both line-bar graphs the y-axis for the line, on the right, shows the Percent of Plan.

Use the Labor Performance By pivot table to determine whether Phase or Department data is displayed. The pivot table shows columns for:

▶ Current Phase or Department

▸ Project
▸ Planned (baseline project labor units)
▸ Actual (actual labor units)
▸ Percent of Plan (actual labor units expressed as a percentage of baseline project labor units)

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Schedule** page.
4) On the **Schedule** page, expand the **Labor Performance** section.

Subject Areas

Activity

Completion Section
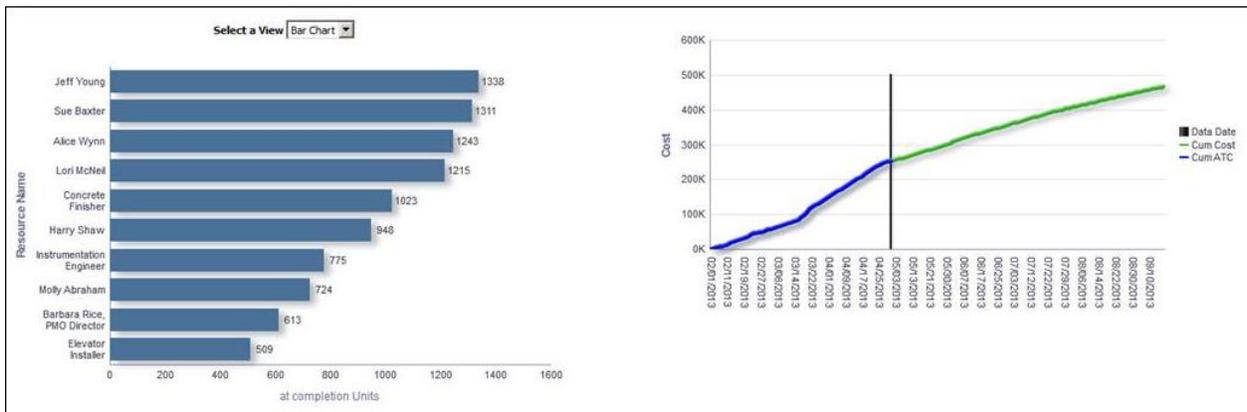
Purpose

Use the Select a View list to determine whether the At Completion Units for a resource will display in a bar graph or pie graph.

This horizontal bar graph shows the ten resources that had the highest At Completion Units for that year on a horizontal bar graph. The x-axis shows the At Completion Units. The y-axis shows Resource Name.

This pie graph shows the ten resources that had the highest At Completion Units for that year. The sections of the pie chart show the percentage of At Completion Units for each resource. The percentage for each resource is dynamically determined based on the total At Completion Units.

This line graph shows the cost for various dates.

The x-axis shows the month, day, and year. The vertical bar on the graph shows the Data Date. The y-axis shows Cost. The blue line shows Cumulative Cost and the green line shows Cumulative At Completion Total Cost.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Schedule** page.
4) On the **Schedule** page, expand the **Completion** section.

Subject Areas

Resource Assignment

Percent Complete Analysis Section

Project Name	Overall % Complete				Cost % Complete				Units % Complete	
	Schedule	Performance	Cost	Units	Labor	Nonlabor	Expense	Material	Labor	Nonlabor
Arcadia - Automated System	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%		100.0%	100.0%
Lead Qualification Project	100.0%	100.0%	100.0%	100.0%	100.0%		100.0%		100.0%	
Logistics Reengineering Program	100.0%	100.0%	100.0%	100.0%	100.0%		100.0%		100.0%	
Order Management Redesign	100.0%	93.4%	100.0%	100.0%	100.0%		100.0%		100.0%	
Xstar Release II	100.0%	100.0%	100.0%	100.0%	100.0%		100.0%		100.0%	

Rows 1 - 5

Project Id	Date	% Complete					
		Cost	Units	Schedule	Performance	Labor Cost	Labor Units
NRG01000-1	01/11/2014	3.31	0.00	3.31	3.31	3.31	0.00
	01/12/2014	6.14	2.91	6.14	6.14	6.14	2.91
	01/13/2014	11.98	8.84	11.98	11.98	11.98	8.84
	01/14/2014	18.61	15.79	18.61	18.61	18.61	15.79
	01/15/2014	25.61	23.19	25.61	25.61	25.61	23.19
	01/16/2014	35.39	33.79	35.16	35.16	35.39	33.79
	01/17/2014	53.62	55.52	53.21	53.46	53.62	55.52
	01/18/2014	64.86	68.79	64.73	64.73	64.86	68.79
	01/19/2014	68.47	72.36	68.36	68.36	68.47	72.36
	01/20/2014	70.22	74.98	70.12	70.12	70.22	74.98

Purpose

These pivot tables show percent complete data grouped by project name or project ID.

The first pivot table shows percent complete information grouped by project name. This table shows columns for:

▸ Project Name
▸ Schedule (Overall % Complete)
▸ Performance (Overall % Complete)
▸ Cost (Overall % Complete)
▸ Units (Overall % Complete)
▸ Labor (Cost % Complete)
▸ Nonlabor (Cost % Complete)

▶ Expense (Cost % Complete)
▶ Material (Cost % Complete)
▶ Labor (Units % Complete)
▶ Nonlabor (Units % Complete)

The second table shows percent complete information grouped by project ID and date. This table shows columns for:

▶ Project ID
▶ Date
▶ Cost (% Complete)
▶ Units (% Complete)
▶ Schedule (% Complete)
▶ Performance (% Complete)
▶ Labor Cost (% Complete)
▶ Labor Units (% Complete)

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Schedule** page.
4) On the **Schedule** page, expand the **Percent Complete Analysis** section.

Subject Areas

Activity

Cost Page

This page shows the cost trends of your project, the cost breakdown by different variables, and the different types of costs your projects incur. Use the filters to determine what information will display in the narratives. If no filters are applied, these narratives will show data for all projects and portfolios.

$50,781,249	$44,354,959	$172,800	$0	$6,253,490
Total Cost	Labor Cost	Nonlabor Cost	Material Cost	Expense Cost
at Completion	at Completion	at Completion	at Completion	at Completion

The Total Cost narrative shows what the total cost of the selected projects or portfolios will be at completion.

The Labor Cost narrative shows what the total labor cost of the selected projects or portfolios will be at completion.

The Nonlabor Cost narrative shows what the total nonlabor cost of the selected projects or portfolios will be at completion.

The Material Cost narrative shows what the total material cost of the selected projects or portfolios will be at completion.

The Expense Cost narrative shows what the total expense cost of the selected projects or portfolios will be at completion.

Cost Trend Section
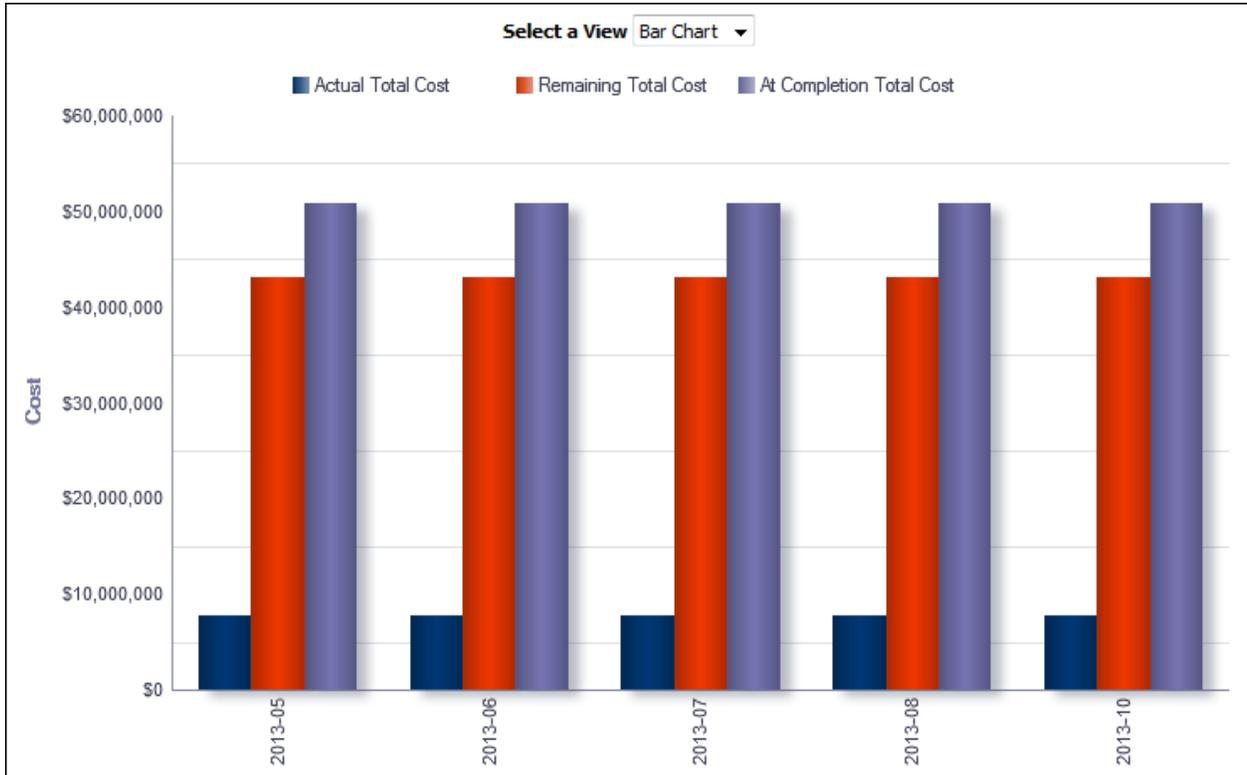
Purpose

Use the Select a View list to determine whether cost information will display as a bar graph, line graph, or table.

This vertical bar graph shows bars for:

▸ Actual Total Cost
▸ Remaining Total Cost
▸ At Completion Total Cost

The x-axis shows the year and month. The y-axis shows cost. Hover over a bar to see specific information about it.

This line graph shows lines for:

▸ Actual Total Cost
▸ Remaining Total Cost
▸ At Completion Total Cost

The x-axis shows the year and month. The y-axis shows cost. Hover over a point on a line to see specific information about it.

This pivot table breaks data down by project and date. The columns spread the data across five months. The table shows information per project for:

▶ Actual Total Cost
▶ Remaining Total Cost
▶ At Completion Total Cost

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Cost** page.
4) On the **Cost** page, expand the **Cost Trend** section.

Subject Areas

Project History

Project Cost Breakdown Section
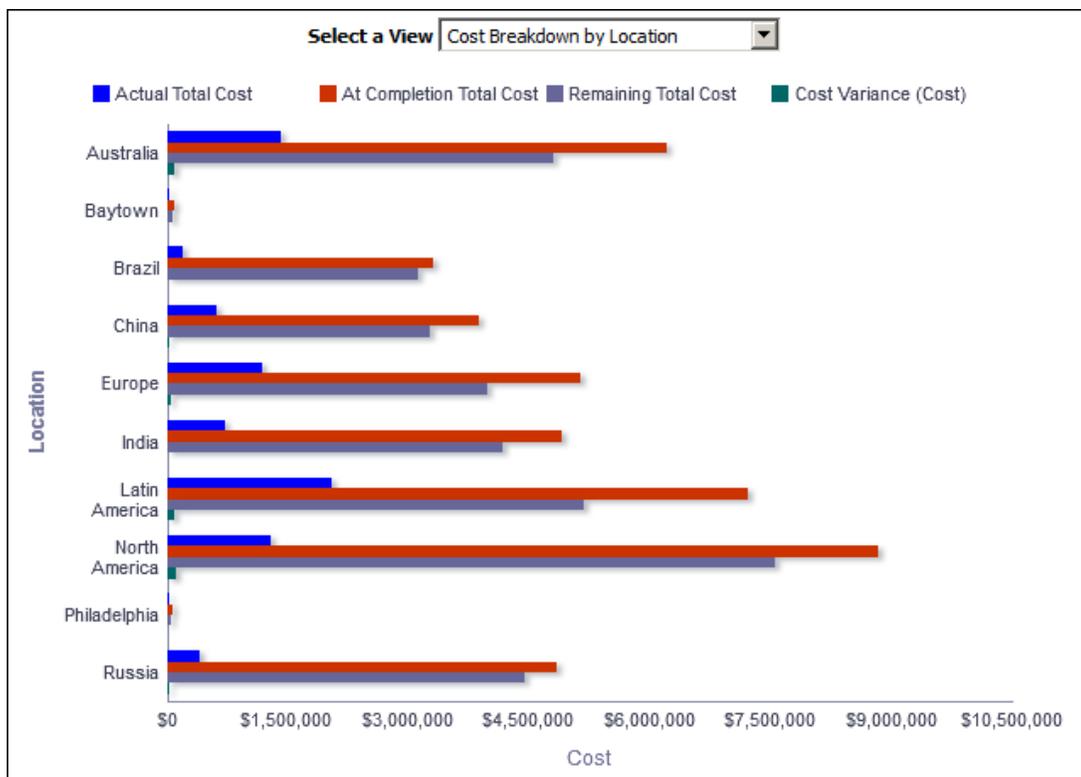
Purpose

Use the Select a View list to determine how cost and project code information will display. Depending on the selection, the view will display as a horizontal bar chart or table. The available views are:

▶ Cost Breakdown by Location

- Cost Breakdown by Project Manager
- Cost Breakdown by Sponsor
- Table by Location
- Table by Project Manager
- Table by Sponsor

The horizontal bar graphs break data down by the Location, Project Manager, and Sponsor project codes respectively. The bar graphs show bars for:

- Actual Total Cost
- At Completion Total Cost
- Remaining Total Cost
- Cost Variance (Cost)

The x-axis shows Cost. The y-axis shows the project code selected in the Select a View list.

The tables break down data by the Location, Project Manager, and Sponsor project codes respectively. The pivot tables show columns for:

- Project Manager
- Actual Total Cost
- At Completion Total Cost
- Remaining Total Cost
- Cost Variance (Cost)

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Cost** page.
4) On the **Cost** page, expand the **Project Cost Breakdown** section.

Subject Areas

Activity

Cost by Type Section
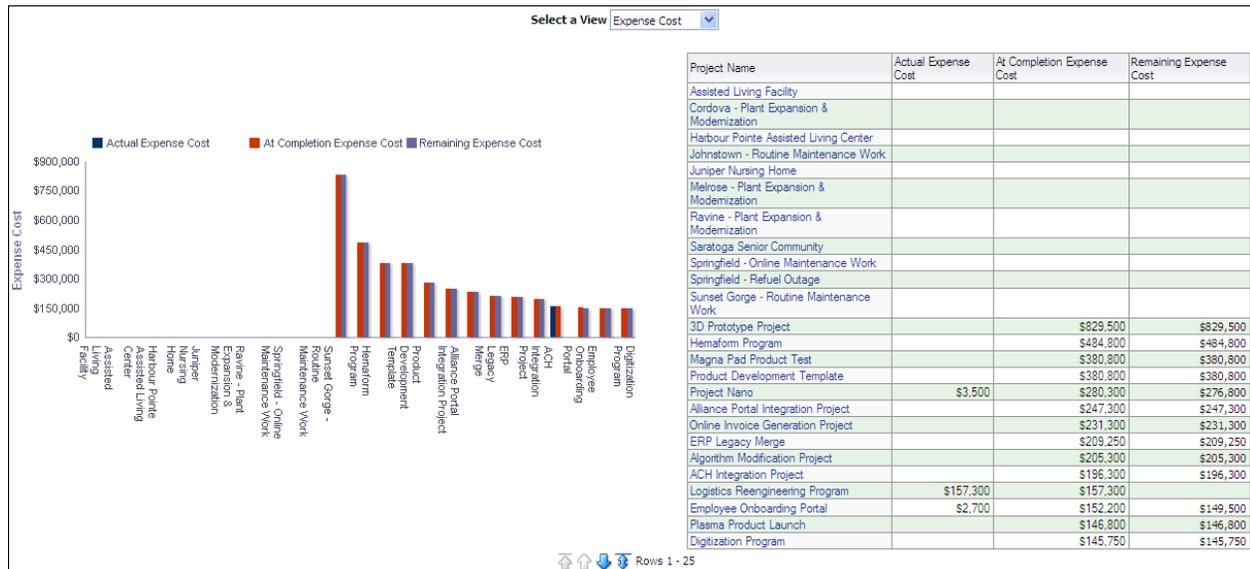
Purpose

Use the Select a View list to determine how project cost information will display. The available views are:

‣ Expense Cost
‣ Labor Cost
‣ Nonlabor Cost
‣ Material Cost
‣ Total Cost

The vertical bar graph and the pivot table show the same data. There are bars and columns for:

‣ Actual <Cost Type> Cost
‣ At Completion <Cost Type> Cost
‣ Remaining <Cost Type> Cost

In the bar graph, the x-axis shows Projects. The y-axis shows the cost type selected in the Select a View list. Hover over a bar on the graph to see specific data. The table shows columns for the same data broken down by project name.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Cost** page.
4) On the **Cost** page, expand the **Cost by Type** section.

Subject Areas

Activity

History Page

This page shows the At Completion Variance Percentage of each project in your portfolio, as well as a detailed history of each activity in a project.

% Complete History Section

Calendar	General - (Project)	Today % Complete		Yesterday % Complete		% Complete Change Yesterday to Today	
Calendar Date	Project Name	Units	Cost	Units	Cost	Units	Cost
01/11/2014	Springfield - Refuel Outage	0.00	3.31				
01/12/2014	Springfield - Refuel Outage	2.91	6.14	0.0%	3.3%	2.9%	2.8%
01/13/2014	Springfield - Refuel Outage	8.84	11.98	2.9%	6.1%	5.9%	5.8%
01/14/2014	Springfield - Refuel Outage	15.79	18.61	8.8%	12.0%	7.0%	6.6%
01/15/2014	Springfield - Refuel Outage	23.19	25.61	15.8%	18.6%	7.4%	7.0%
01/16/2014	Springfield - Refuel Outage	33.79	35.39	23.2%	25.6%	10.6%	9.8%
01/17/2014	Springfield - Refuel Outage	55.52	53.62	33.8%	35.4%	21.7%	18.2%
01/18/2014	Springfield - Refuel Outage	68.79	64.86	55.5%	53.6%	13.3%	11.2%
01/19/2014	Springfield - Refuel Outage	72.36	68.47	68.8%	64.9%	3.6%	3.6%
01/20/2014	Springfield - Refuel Outage	74.98	70.22	72.4%	68.5%	2.6%	1.8%
01/21/2014	Springfield - Refuel Outage			75.0%	70.2%		

Purpose

These analyses show percent complete information broken down by date.

This table breaks down data by date and shows columns for:

▶ Calendar Date
▶ Project Name
▶ Units (Today % Complete)
▶ Cost (Today % Complete)
▶ Units (Yesterday % Complete)
▶ Cost (Yesterday % Complete)
▶ Units (% Complete Change Yesterday to Today)
▶ Cost (% Complete Change Yesterday to Today)

This line graph shows the Today Percent Complete from the start of project until the given day of analysis. There are lines for Units and Cost.

The x-axis shows the Calendar Date. The y-axis shows the Today Percent Complete on the given day from start. Hover over a point for specific information.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Trend** page.
4) On the **Trend** page, expand the **% Complete History** section.

Subject Areas

Project History

Milestone Dates That Have Slipped Section

Project Name	Calendar Date	Activity ID	Activity Name	Activity Type	Current Planned Start	Current Planned Finish	Prior Planned Start	Prior Planned Finish
Baytown, TX - Offline Maintenance Work	08/05/2013	FO50022	RCS AT OPERATING TEMPERATURE	Start Milestone	9/3/2013 10:00:00 AM		9/2/2013 12:00:00 PM	
		FO60006	RX CRITICAL (MODE 2 ENTRY) EXIT POP-1.2	Start Milestone	9/3/2013 10:00:00 AM		9/2/2013 12:00:00 PM	
		FO60007	OPEN MAIN STEAM ISOLATION VALVES	Start Milestone	9/3/2013 10:00:00 AM		9/2/2013 12:00:00 PM	
	08/06/2013	FO50022	RCS AT OPERATING TEMPERATURE	Start Milestone	9/4/2013 10:00:00 AM		9/3/2013 10:00:00 AM	
		FO60006	RX CRITICAL (MODE 2 ENTRY) EXIT POP-1.2	Start Milestone	9/4/2013 10:00:00 AM		9/3/2013 10:00:00 AM	
		FO60007	OPEN MAIN STEAM ISOLATION VALVES	Start Milestone	9/4/2013 10:00:00 AM		9/3/2013 10:00:00 AM	
		FO60026	UNIT AT 100% POWER	Start Milestone	9/10/2013 2:00:00 PM		9/9/2013 2:00:00 PM	
	08/07/2013	FO50022	RCS AT OPERATING TEMPERATURE	Start Milestone	9/5/2013 10:00:00 AM		9/4/2013 10:00:00 AM	
		FO60006	RX CRITICAL (MODE 2 ENTRY) EXIT POP-1.2	Start Milestone	9/5/2013 10:00:00 AM		9/4/2013 10:00:00 AM	
		FO60007	OPEN MAIN STEAM ISOLATION VALVES	Start Milestone	9/5/2013 10:00:00 AM		9/4/2013 10:00:00 AM	
		FO60026	UNIT AT 100% POWER	Start Milestone	9/11/2013 2:00:00 PM		9/10/2013 2:00:00 PM	
	08/08/2013	FO50022	RCS AT OPERATING TEMPERATURE	Start Milestone	9/6/2013 10:00:00 AM		9/5/2013 10:00:00 AM	
		FO60006	RX CRITICAL (MODE 2 ENTRY) EXIT POP-1.2	Start Milestone	9/6/2013 10:00:00 AM		9/5/2013 10:00:00 AM	
		FO60007	OPEN MAIN STEAM ISOLATION VALVES	Start Milestone	9/6/2013 10:00:00 AM		9/5/2013 10:00:00 AM	
		FO60026	UNIT AT 100% POWER	Start Milestone	9/12/2013 2:00:00 PM		9/11/2013 2:00:00 PM	
Buckingham - Nuclear Outage Work	10/15/2013	FO50022	RCS AT OPERATING TEMPERATURE	Start Milestone	10/29/2013 8:00:00 AM		10/28/2013 8:00:00 AM	
		FO60006	RX CRITICAL (MODE 2 ENTRY) EXIT POP-1.2	Start Milestone	11/7/2013 9:00:00 AM		11/6/2013 9:00:00 AM	
		FO60007	OPEN MAIN STEAM ISOLATION VALVES	Start Milestone	11/7/2013 9:00:00 AM		11/6/2013 9:00:00 AM	
		FO60026	UNIT AT 100% POWER	Start Milestone	11/20/2013 1:00:00 PM		11/19/2013 1:00:00 PM	
	10/16/2013	FO50022	RCS AT OPERATING TEMPERATURE	Start Milestone	10/30/2013 8:00:00 AM		10/29/2013 8:00:00 AM	
		FO60006	RX CRITICAL (MODE 2 ENTRY) EXIT POP-1.2	Start Milestone	11/8/2013 9:00:00 AM		11/7/2013 9:00:00 AM	
		FO60007	OPEN MAIN STEAM ISOLATION VALVES	Start Milestone	11/8/2013 9:00:00 AM		11/7/2013 9:00:00 AM	
		FO60026	UNIT AT 100% POWER	Start Milestone	11/21/2013 1:00:00 PM		11/20/2013 1:00:00 PM	
	10/17/2013	FO50022	RCS AT OPERATING TEMPERATURE	Start Milestone	10/31/2013 8:00:00 AM		10/30/2013 8:00:00 AM	
		FO60006	RX CRITICAL (MODE 2 ENTRY) EXIT POP-1.2	Start Milestone	11/11/2013 9:00:00 AM		11/8/2013 9:00:00 AM	

Rows 1 - 25

Purpose

The pivot table shows data for all milestones whose dates have changed since the previous history interval. Data is broken down and ordered by project and date. The table shows columns for:

▸ Project Name
▸ Calendar Date
▸ Activity ID
▸ Activity Name
▸ Activity Type
▸ Current Planned Start
▸ Current Planned Finish
▸ Prior Planned Start
▸ Prior Planned Finish

Use the up and down arrows below the table to navigate to other sections of the table. Use the double-ended arrow to view the whole table in one screen (to a maximum of 500 rows per page).

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Trend** page.
4) On the **Trend** page, expand the **Milestone Dates that Have Slipped** section.

Subject Areas

Project History

Location Page

This page shows the At Completion Total Cost for any of your projects by country or state.

At Completion Total Cost by Location Section

Purpose

This map shows At Completion Total Cost for all projects by country. White areas of the map indicate that no project is located in that area.

Switch off the At Completion Total Cost (Color Fill) option below ALL COUNTRIES to remove the shading when zoomed out to Country level. Switch off the At Completion Total Cost (Image) option below ALL CITIES to remove the shading when zoomed in to state level. Zoom in and out with the control on the left. Hover over a country, state, or province to see specific information or click on a country, state, or province to bring up a call out with specific information.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Location** page.
4) On the **Location** page, expand the **At Completion Total Cost by Location** section.

Subject Areas

Activity

Project Code Hierarchy Section

Project Code Hierarchy	At Completion Total Cost
▽ Location	$44,111,289
▽ North America	$8,703,430
▽ Texas	$80,433
Baytown	$80,433
▽ Pennsylvania	$60,353
Philadelphia	$60,353
Latin America	$7,193,046
Australia	$6,195,166
Europe	$5,133,579
India	$4,889,260
Russia	$4,830,485
China	$3,863,725
Brazil	$3,302,598

At Completion Total Cost

Legend: Location, North America, Texas, Baytown, Pennsylvania, Philadelphia, Latin America, Australia, Europe, India, Russia, China, Brazil

Purpose

This pivot table breaks down At Completion Total Cost by project code value. Click expand/collapse next to a value to drill down into the hierarchy.

This pie graph reflects the data shown in the pivot table and will change with the table.

This pie chart shows the At Completion Total Cost broken down by country. The segments represent the amount of At Completion Total Cost accountable to each location shown. The pie chart will update based on the displayed hierarchies in the pivot table.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Location** page.
4) On the **Location** page, expand the **Project Code Hierarchy** section.

Subject Areas

Activity

At Completion Labor Units by State Section
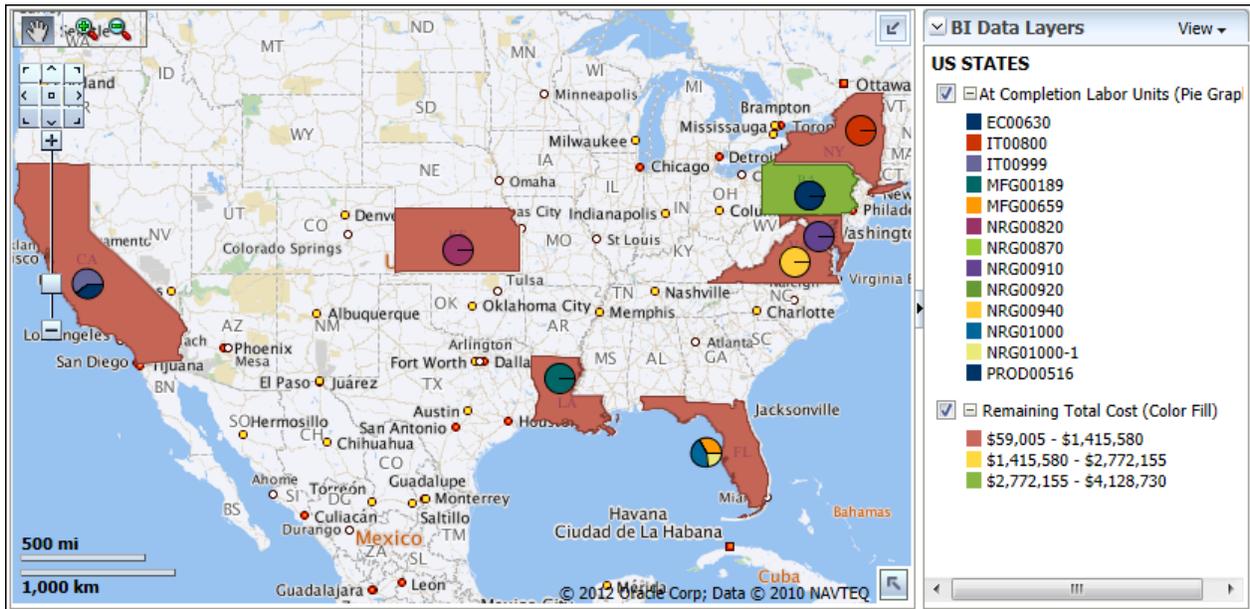
Purpose

This map shows At Completion Labor Units for projects by state. White areas of the map indicate that no project is located in that area.

Switch off the At Completion Labor Units (Pie Graph) option below US STATES to remove the pie graphs from states. Switch off the Remaining Total Cost (Color Fill) option to remove the cost shading on a state. Zoom in and out with the control on the left. Hover over a pie graph to see specific information for that state.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Location** page.
4) On the **Location** page, expand the **At Completion Labor Units by State** section.

Subject Areas

Activity

Activity Worksheet Page

This page shows each activity associated with a project within your portfolio.

Activity Worksheet Section

Project Name
--Select Value-- ▼

Activity Status
--Select Value-- ▼   Reset ⌄

WBS Name (Project Level)	Activity Name	Status	Resource Name	Start	Finish	Finish Variance (Hours)	Link to Activities
3D Prototype Project	Scope New Product Idea	Not Started	Sue Baxter	7/2/2014	7/30/2014	0	Project Activities
	Analyze New Product	Not Started	Andrea Casey	7/30/2014	8/16/2014	0	Project Activities
	Gate 1 - Idea Screen	Not Started			7/30/2014	0	Project Activities
	Define Business Case	Not Started	Sue Baxter	8/16/2014	9/12/2014	0	Project Activities
	Design New Product	Not Started	Andrea Casey	9/12/2014	9/28/2014	0	Project Activities
	Gate 2 - Second Screen	Not Started			9/12/2014	0	Project Activities
	Develop New Product *	Not Started	Andrea Casey	9/21/2014	10/11/2014	0	Project Activities
	Gate 3 - Go to Development	Not Started		10/11/2014	10/11/2014	0	Project Activities
	Test New Product	Not Started	Andrea Casey		11/26/2014	0	Project Activities
	Commercialize New Product	Not Started	Lendell Jackson	11/26/2014	12/19/2014	0	Project Activities
	Evaluate New Product	Not Started	Sue Baxter	12/19/2014	1/17/2015	0	Project Activities
	Gate 4 - Go to Testing	Not Started			12/19/2014	0	Project Activities
	Gate 5 - Go to Launch	Not Started		1/17/2015	1/17/2015	0	Project Activities
3D Prototype Project Total				**7/2/2014**	**1/17/2015**		
4G Tablet Project	Scope New Product Idea	Completed	Alice Wynn	2/1/2013	2/8/2013	0	Project Activities
	Gate 1 - Idea Screen	Completed		2/7/2013	2/7/2013	12	Project Activities
	Analyze New Product	Completed	Harry Shaw	2/8/2013	2/24/2013	-5	Project Activities
	Define Business Case	Completed	Alice Wynn	2/21/2013	3/1/2013	0	Project Activities
	Design New Product	Completed	Harry Shaw	3/1/2013	3/22/2013	4	Project Activities
	Gate 2 - Second Screen	Completed			3/1/2013	4	Project Activities
	Develop New Product *	Completed	Robert Lincoln	3/16/2013	4/28/2013	-5	Project Activities
	Test New Product	In Progress	Robert Lincoln	4/27/2013	6/2/2013	-5	Project Activities
	Gate 3 - Go to Development	Completed		4/29/2013	4/29/2013	-5	Project Activities
	Commercialize New Product	Not Started	Sam Rickels	6/2/2013	7/28/2013	-5	Project Activities
	Evaluate New Product	Not Started	Alice Wynn	7/28/2013	9/15/2013	-5	Project Activities
	Gate 4 - Go to Testing	Not Started			7/28/2013	-5	Project Activities

⬆⬆ ⬇ ⇳ Rows 1 - 25

Purpose

This pivot table lists activities, grouped by WBS. Filter the data in the table by project name or activity status using the Project Name and Activity Status lists at the top of the page.

The pivot table shows columns for:

▶ WBS Name (Project Level)
▶ Activity Name
▶ Status
▶ Resource Name
▶ Start
▶ Finish
▶ Finish Variance (Hours)
▶ Link to the Activities in P6

Use the up and down arrows below the table to navigate to other sections of the table. Use the double-ended arrow to view the whole table in one screen (to a maximum of 500 rows per page).

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Activity Worksheet** page.
4) On the **Activity Worksheet** page, expand the **Activity Worksheet** section.

Subject Areas

Activity

Resource Analysis Dashboard

This dashboard shows the status and usage of your resources, measures team progress and productivity, and tells you which resources are underutilized.

Overview Page

This page gives an overview of resource status, including a view showing how resources are contributing to your strategic objectives, the percentage of resources which are overallocated, a tabular view of the labor hours expended by country, and a view of resource over and underallocation.

Resource Alignment Section

Purpose

These analyses can be viewed as a bar chart, pie chart, or table.

The Actual Units by Strategic Objective and Remaining Units by Strategic Objective horizontal bar charts show the number of Actual Units or Remaining Units respectively broken down by Strategic Objective. It shows bars for:

▸ Increased Customer Retention
▸ Reduced Cycle Time
▸ Improved Customer Satisfaction
▸ Regulatory Compliance

▷   Revenue Growth

Hover over a bar to see specific data. Click on a bar to drill down to see actual effort by project.

The To Date Units by Strategic Objective and Remaining Units by Strategic Objective pie charts show the number of To Date Units or Remaining Units respectively broken down by Strategic Objective. It shows segments for:

▷   Improved Customer Satisfaction
▷   Increased Customer Retention
▷   Reduced Cycle Time
▷   Regulatory Compliance
▷   Revenue Growth

Click on a segment to drill down to see actual effort by project.

The Actual Units and Remaining Units pivot tables show strategic objective and units for each project. The tables show columns for:

▷   Strategic Objective Description
▷   Project Name
▷   Actual Units or Remaining Units
▷   Year Name (Actual Units table only)

Use the up and down arrows below the table to navigate to other sections of the table. Use the double-ended arrow to view the whole table in one screen (to a maximum of 500 rows per page).

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.
3) On the **Resource Analysis** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Resource Alignment** section.

Subject Areas

Resource Assignment

Resource Allocation Section
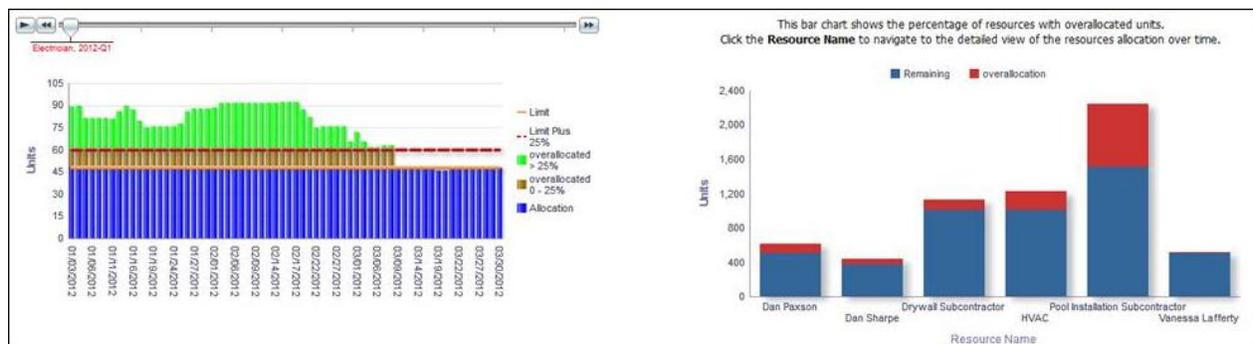
Purpose

This bar graph shows how a resource's usage is distributed over time.

The x-axis shows calendar dates. The y-axis shows Units of time. The solid horizontal line represents the allocation Limit; the dotted horizontal line represents the overallocation Limit Plus 25%. The green area represents time overallocated by more than 25%; the brown area represents time overallocated by less than 25%; the blue area represents time that is not overallocated. Hover over a bar for specific details. Use the slide to view the allocation for resources in a given quarter.

This stacked vertical bar graph shows the remaining and overallocated units for a resource.

The x-axis shows Resource Name. The y-axis shows Units of time. Blue bands on the bar represent Remaining Units. Red bands represent Overallocation Units. Hover over a bar for specific details.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.
3) On the **Resource Analysis** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Resource Allocation** section.

Subject Areas

Resource Utilization

Labor Hours by Resource Location Section

Select a View | At Completion by Sponsor

		Labor Hours								Labor Hours
Year Name	Location	Ellen McMicheals	James Wong	Kim Forbes	Lance Pederson	Mitch Allen	Reid Thompson	Scott Forsyth	Vladimir Popov	
2013	Australia		452.22	434.15		26.83		344.40		1257.61
	Baytown			4.00						4.00
	Brazil	183.87		238.00		1338.72	5989.54	57.60	105.72	7913.45
	China		1012.91	164.78	313.60	967.38	1618.89	575.96	0.02	4653.56
	Europe	780.16	176.00	1061.04	343.78	1619.00	3519.07	73.49		7572.53
	India	254.56	452.22	41.20	937.70	2317.46	4464.43	476.18	231.78	9175.52
	Latin America	32.52	110.18	6.00		1612.70	3807.07	825.60	52.86	6446.94
	North America		261.93	102.00	78.40	2647.76	4735.79	1007.53	794.91	9628.32
	Russia		293.52		1216.98	53.67	274.97	1187.43		3026.57
Grand Total		1251.12	2758.98	2051.17	2890.46	10583.52	24409.76	4548.19	1185.29	49678.49

Purpose

This pivot table breaks down labor hours by resource, location, and year. Rows show data for Locations with Labor Hour totals at the right of the table. Columns show data for resources with Labor Hour totals at the bottom of the table.

Use the Select a View list to filter data by project code. The available codes are:

▸ At Completion by Sponsor
▸ At Completion by Business Segment

▶ At Completion by Priority

Click on the year to drill down to half-year.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.
3) On the **Resource Analysis** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Labor Hours by Resource Location** section.

Subject Areas

Resource Assignment

Over/Under Allocation Section
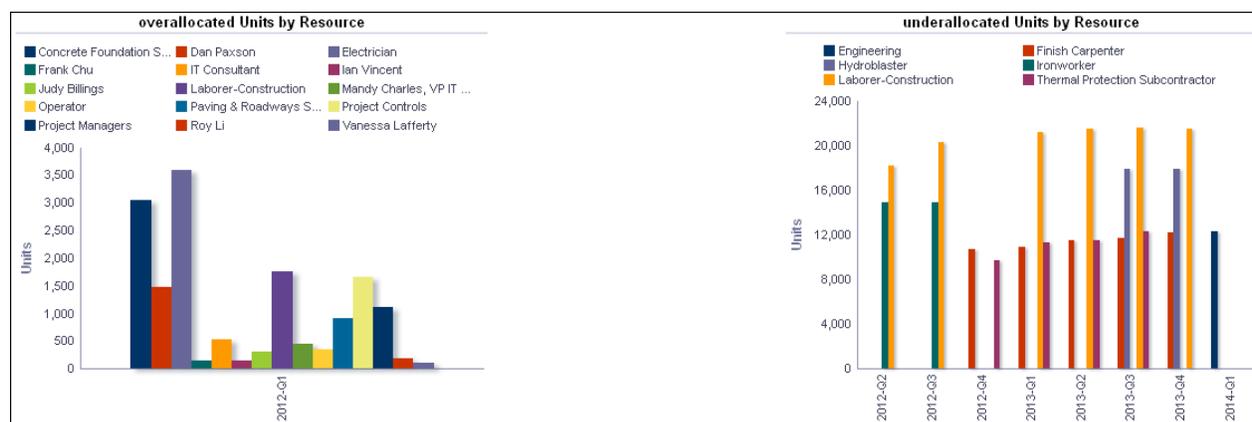
Purpose

This analysis shows Overallocated Units By Resource and Underallocated Units By Resource bar graphs.

The Overallocated Units By Resource vertical bar graph shows overallocation bars for each resource broken down by year and quarter. If no resource is overallocated in a quarter, that quarter will not appear in the graph.

The x-axis shows the year and the quarter. The y-axis shows overallocated Units. Hover over a bar for specific information about that bar.

The Underallocated Units By Resource vertical bar graph shows underallocation bars for each resource broken down by year and quarter. If no resource is under allocated in a quarter, then that quarter will not appear in the graph.

The x-axis shows the year and the quarter. The y-axis shows underallocation Units. Hover over a bar for specific information about that bar.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.

3) On the **Resource Analysis** dashboard, click the **Overview** page.

4) On the **Overview** page, expand the **Over/Under Allocation** section.

Subject Areas

Resource Utilization

Staffing Page

This page shows staffing activity, allocated and remaining resources remaining, hours allotted by role, and total hours by an entire team.

Staffing Section

Project Name		2012-Q1	2012-Q2	2012-Q3	2012-Q4	2013-Q1	2013-Q2	2013-Q3	2013-Q4	2014-Q1	2014-Q2	2014-Q3	2014-Q4	2015-Q1
3D Prototype Project	Staffed			229.78	205.43	33.54								
	Unstaffed													
	Total FTE			229.78	205.43	33.54								
4G Tablet Project	Staffed	283.67												
	Unstaffed													
	Total FTE	283.67												
ACH Integration Project	Staffed	293.72	99.70	110.37	96.71									
	Unstaffed													
	Total FTE	293.72	99.70	110.37	96.71									
Algorithm Modification Project	Staffed													
	Unstaffed	196.52	214.12	250.00	208.51	155.85								
	Total FTE	196.52	214.12	250.00	208.51	155.85								
Alliance Portal Integration Project	Staffed													
	Unstaffed	32.00	62.54	198.04	233.33	124.08								
	Total FTE	32.00	62.54	198.04	233.33	124.08								
Arcadia - Automated System	Staffed													
	Unstaffed													
	Total FTE													
Assisted Living Facility	Staffed	3581.23	997.21	844.27	920.77	685.05	363.24	49.95	21.62	21.62	21.96	18.24		
	Unstaffed													
	Total FTE	3581.23	997.21	844.27	920.77	685.05	363.24	49.95	21.62	21.62	21.96	18.24		
Baytown, TX - Online Maintenance Work	Staffed							93.14						
	Unstaffed													
	Total FTE							93.14						
Buckingham - Nuclear Outage Work	Staffed								51.51					

⇧ ⇧ ⇩ ⇩ Rows 1 - 25

Purpose

This pivot table breaks down unit data by project and date. There are rows for:

▶ Staffed
▶ Unstaffed
▶ Total FTE (calculated as Staffed plus Unstaffed)

Click on a project name for links to WBS Earned Value and Activity Worksheet. Click on a year-quarter label to drill down to monthly data. Use the up and down arrows below the table to navigate to other sections of the table. Use the double-ended arrow to view the whole table in one screen (to a maximum of 500 rows per page).

Location

1) On the **Home** page, click **Dashboards**.

2) Under **Primavera**, select **Resource Analysis**.

3) On the **Resource Analysis** dashboard, click the **Staffing** page.

4) On the **Staffing** page, expand the **Staffing** section.

Subject Areas

Resource Assignment

Allocation by Code Section

Location	Remaining Units	Overallocated	Allocated
North America	1,931	5,333	7,264
India	588	6,676	7,264
Europe	1,684	5,580	7,264
Australia	1,591	5,673	7,264
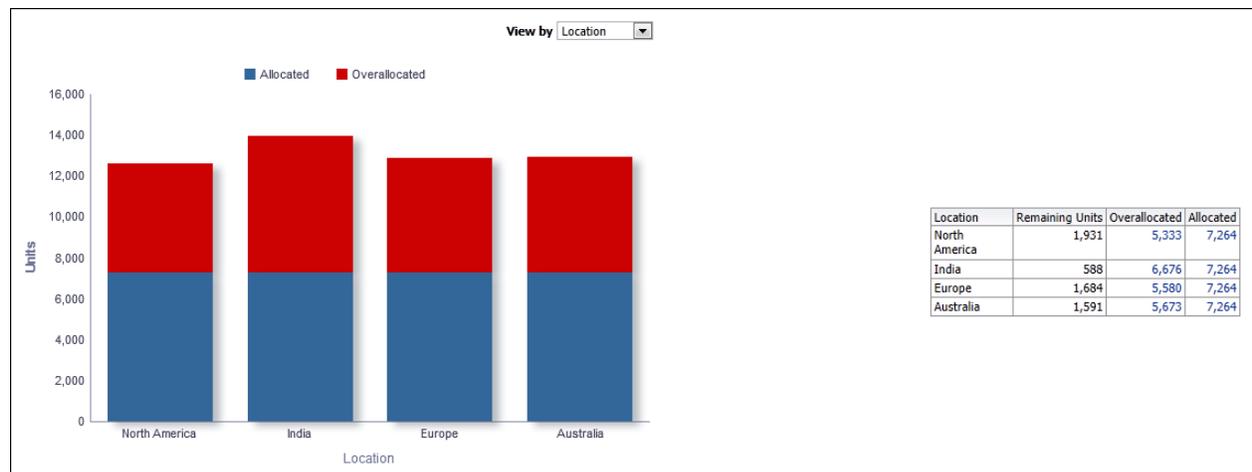
Purpose

This stacked vertical bar graph shows a stacked bar for each resource code showing Allocated Units and Overallocated units. Use the View by list to select a resource code. The available codes are:

▸ Classification
▸ Location
▸ Plant
▸ Department

The x-axis shows the resource code selected in the View by list. The y-axis shows allocation Units. Hover over a bar to show specific data.

This table breaks down unit data based on the resource code selected in the View by list.

The table shows columns for:

▸ Remaining Units
▸ Overallocated
▸ Allocated

Table rows are determined by the View by list selection.

Location

1) On the **Home** page, click **Dashboards**.

2) Under **Primavera**, select **Resource Analysis**.

3) On the **Resource Analysis** dashboard, click the **Staffing** page.

4) On the **Staffing** page, expand the **Allocation by Code** section.

Subject Areas

Resource Utilization

Hours by Role Section
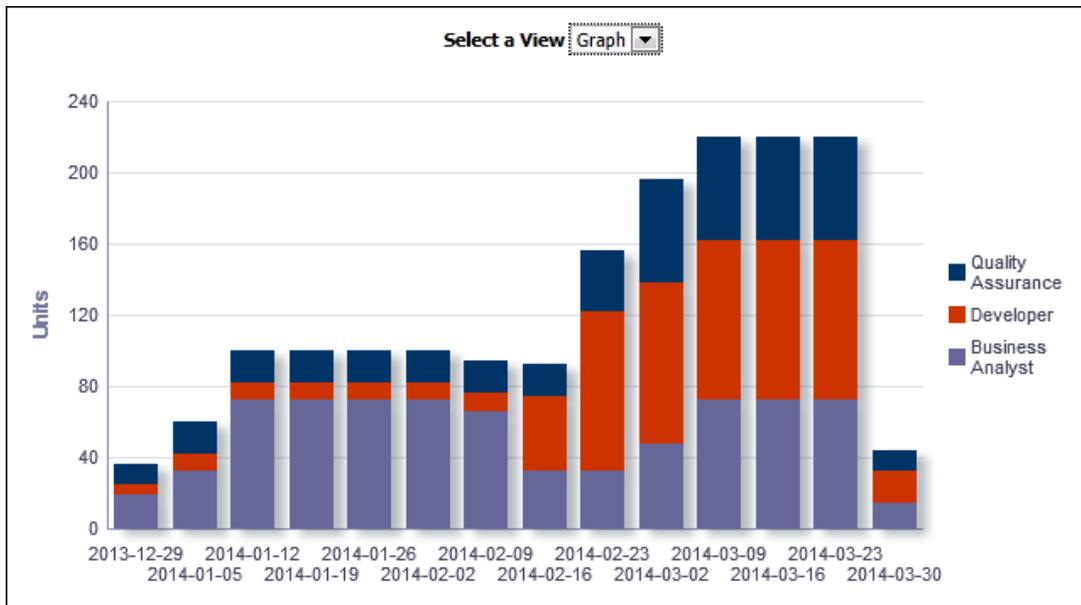
Purpose

This analysis shows at completion units by date grouped by primary role. Use the Select a View list to determine whether the content will display as a graph or table. The graph and the table display the same information. There are bars or columns for:

‣ Business Analyst
‣ Developer
‣ Quality Assurance

The x-axis of the graph shows the year, month, and date. The y-axis shows At Completion Units. Hover over a bar to see details of the data.

The pivot table breaks down At Completion Units by role and week. Columns show at Completion Units broken down by week with totals in the last row.

Click on a week name to drill down and view the data broken down by day.

Location

1) On the **Home** page, click **Dashboards**.

2) Under **Primavera**, select **Resource Analysis**.

3) On the **Resource Analysis** dashboard, click the **Staffing** page.

4) On the **Staffing** page, expand the **Hours by Role** section.

Subject Areas

Resource Assignment

Total Hours by Team Section
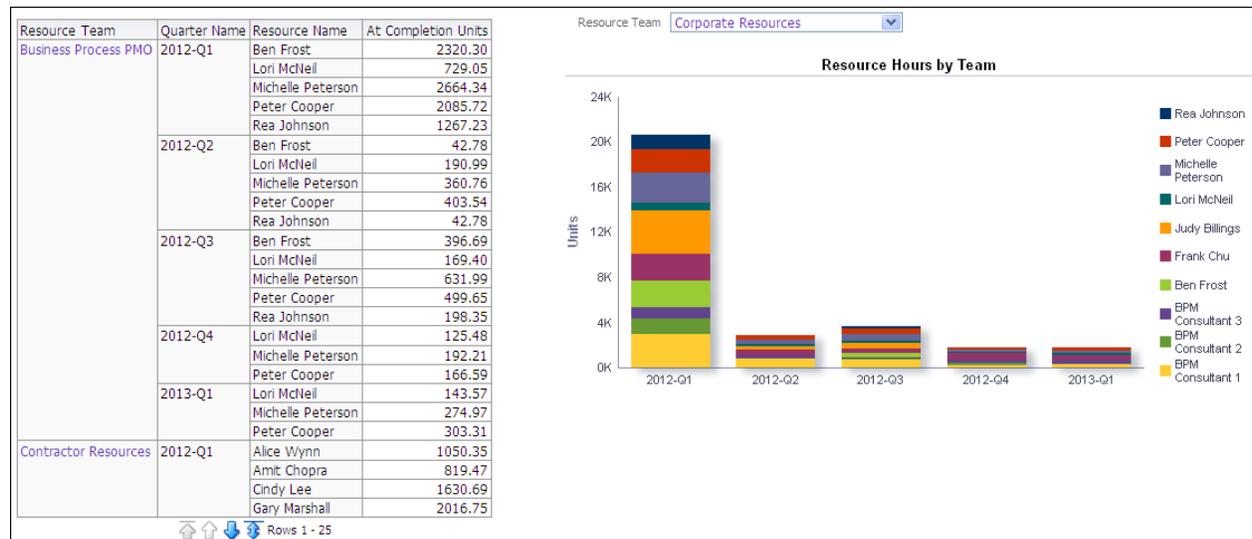
Purpose

This pivot table shows At Completion Units for each resource in a team broken down by quarter. This data is aggregated by resource team and quarter. Click a resource team name to display that team's data in the stacked vertical bar graph. This table has columns for:

▶ Resource Team
▶ Quarter Name
▶ Resource Name
▶ At Completion Units

The Resource Hours by Team stacked vertical bar graph shows At Completion Units for each resource per quarter. Use the Resource Team list to filter the data by resource team.

The x-axis shows year and quarter. The y-axis shows At Completion Units. Hover over a bar for details.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.
3) On the **Resource Analysis** dashboard, click the **Staffing** page.
4) On the **Staffing** page, expand the **Total Hours by Team** section.

Subject Areas

Resource Assignment

Hierarchies Section

Resource Hierarchy	Remaining Units	Planned Units	Actual Units
▽ All	6053.00	6098.00	45.00
▽ SanFran Div	6053.00	6098.00	45.00
▽ Mike Ward	6053.00	6098.00	45.00
▽ Brian Watson	6053.00	6098.00	45.00
▷ Brian Jenkins	520.00	520.00	
▷ Jennifer Dixon	40.00	40.00	
▷ John Duncan	520.00	520.00	
▷ Karen Cole	669.00	714.00	45.00
▷ Mary Ross	520.00	520.00	
▷ Randy Fox	2744.00	2744.00	
▷ Russ Bradley	520.00	520.00	
▷ Tom Hart	520.00	520.00	

Role Hierarchy	Remaining Units	Planned Units	Actual Units
▽ All	3264.00	3264.00	
▽ IT	3264.00	3264.00	
▽ Corporate	3264.00	3264.00	
▽ Development	648.00	648.00	
PM	648.00	648.00	
PMO	2096.00	2096.00	
TRN	520.00	520.00	

Purpose

This Resource pivot table and vertical bar graph show units broken down by resource. Both the table and the bar graph display the same information. Hierarchy selections in the Resource table will impact the bar graph. There are columns/bars for:

▸ Remaining Units
▸ Planned Units
▸ Actual Units

In the bar graph, the x-axis shows Resource. The y-axis shows Units. Hover over a bar for details.

This Role pivot table and vertical bar graph show units broken down by role. Both the table and the bar graph display the same information. Hierarchy selections in the Role table will impact the bar graph. There are columns/bars for:

▸ Remaining Units
▸ Planned Units
▸ Actual Units

In the bar graph, the x-axis shows Role. The y-axis shows Units. Hover over a bar for details.

Location

1) On the **Home** page, click **Dashboards**.

2) Under **Primavera**, select **Resource Analysis**.

3) On the **Resource Analysis** dashboard, click the **Staffing** page.

4) On the **Staffing** page, expand the **Hierarchies** section.

Subject Areas

Resource Assignment

Productivity Page

This page shows team progress, resource productivity, and periodic versus cumulative hours.

Resource Utilization by Team Section
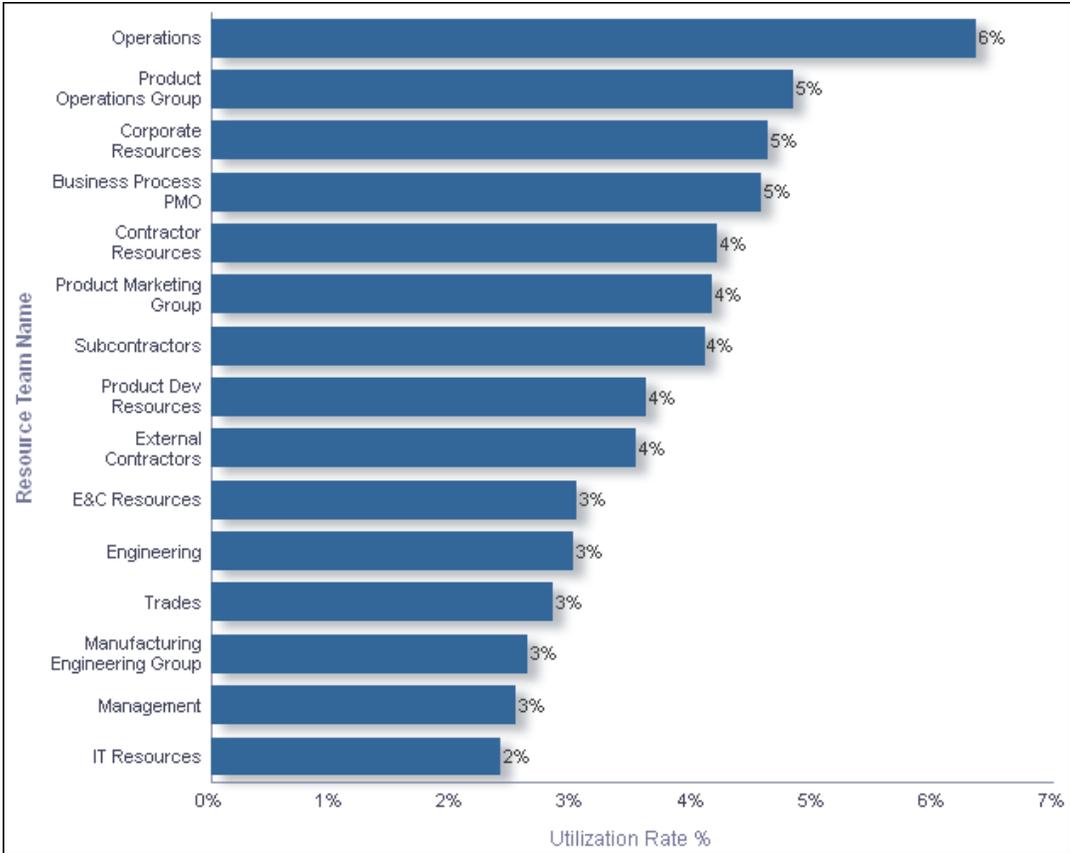
Purpose

This horizontal bar graph shows the utilization rate percentage for each team. Resource utilization is a measure of a resource's allocated units against the resource limit. The values for each team are an aggregation of values for individual resources (rather than being calculated at team level). When a resource's utilization is more than 100%, the resource is overallocated.

The x-axis shows the Utilization Rate Percentage. The y-axis shows the Resource Team Name.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.
3) On the **Resource Analysis** dashboard, click the **Productivity** page.
4) On the **Productivity** page, expand the **Resource Utilization by Team** section.

Subject Areas

Resource Utilization

Periodic and Cumulative Labor Units by Month Section
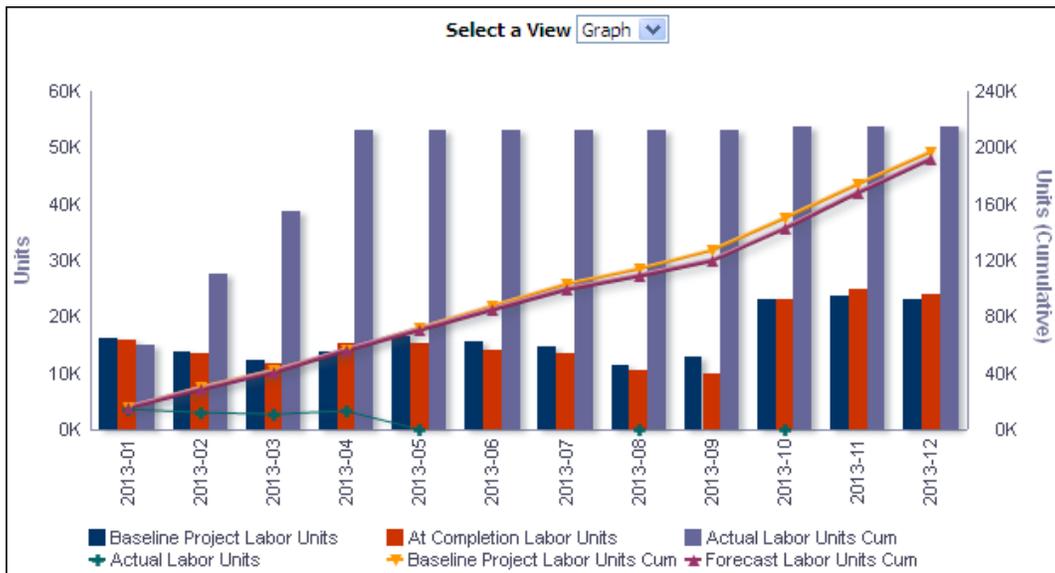
Purpose

This analysis shows labor units and cumulative labor units broken down by date. Use the Select a View list to determine whether the content will display as a graph or table. The graph and the table display the same information.

The line-bar graph shows:

▸ Bars for Baseline Project Labor Units, At Completion Labor Units, and Actual Labor Units Cumulative

▸ Lines for Actual Labor Units, Baseline Project Labor Units Cumulative, and Forecast Labor Units Cumulative

The x-axis shows the year and month. The y-axis for the bars, on the left, shows labor Units. The y-axis for the lines, on the right, shows labor Units (Cumulative). Hover over a bar or a point on a line to see detailed information.

The pivot table breaks data down by month and resource. The data is ordered by month. The pivot table shows columns for:

▸ Month Name

▶ Resource Name
▶ Baseline Project Labor Units
▶ Actual Labor Units
▶ At Completion Labor Units
▶ Baseline Project Labor Units Cumulative
▶ Actual Labor Units Cumulative
▶ Forecast Labor Units Cumulative

Click on a month name to drill down to weekly data. Use the up and down arrows below the table to navigate to other sections of the table. Use the double-ended arrow to view the whole table in one screen (to a maximum of 500 rows per page).

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.
3) On the **Resource Analysis** dashboard, click the **Productivity** page.
4) On the **Productivity** page, expand the **Periodic and Cumulative Labor Units by Month** section.

Subject Areas

Activity

Daily vs. Average SPI by Resource Section

Purpose

The Daily SPI and Average SPI line graphs show the Schedule Performance Index (SPI) using a green line. The blue line shows the target (set at 1.0). The Average SPI is based on the cumulative average over time from the beginning of the graph. Once the graph exceeds 30 days, the average is of the 30 days prior to the data point.

The x-axis for both graphs shows dates. The y-axis for both graphs shows the SPI.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.

3) On the **Resource Analysis** dashboard, click the **Productivity** page.

4) On the **Productivity** page, expand the **Daily vs. Average SPI by Resource** section.

Subject Areas

Activity

Utilization Page

This page shows resource availability, utilization, and capacity.

Resource Availability Section

Resource ID ATM ENG	Resource Name	Automation Systems Engineer		
	2012-07-29	2012-08-05	2012-08-12	2012-08-19
Available Units	138.93	189.37	196.00	209.60
Planned Units	5.07	50.63	44.00	30.40
% Units Available	96%	79%	82%	87%
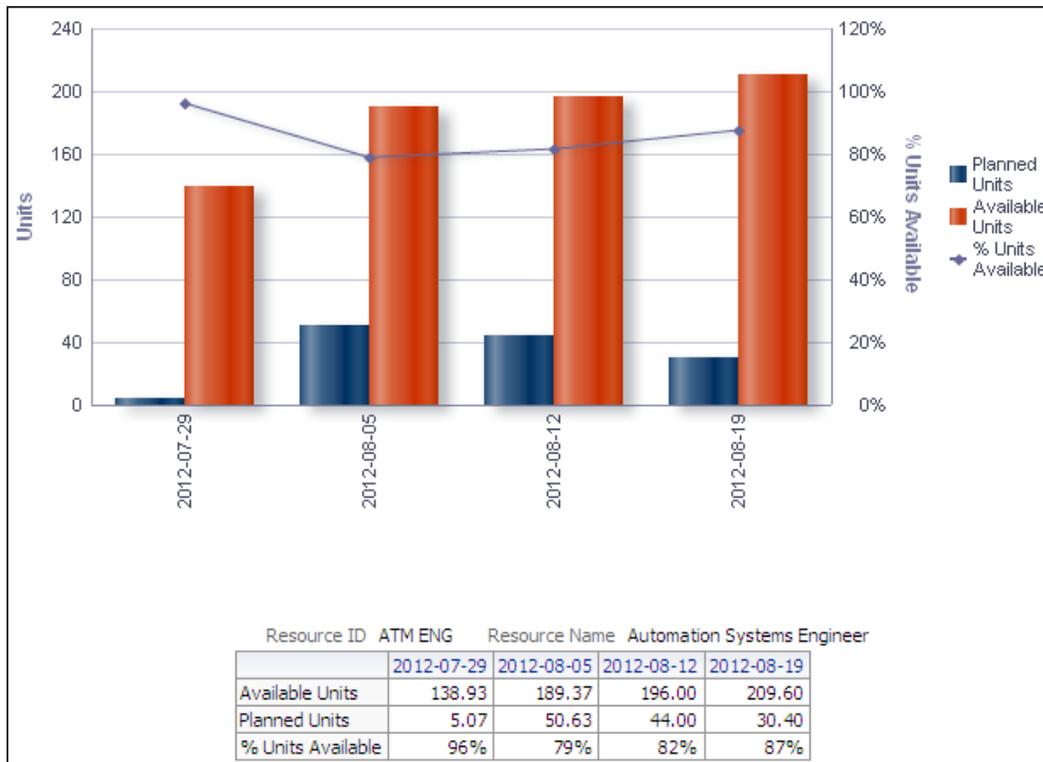
Purpose

This line-bar graph provides availability data for the selected resource. If no resource is selected, the selection defaults to the first resource in the list. The graph shows:

▸ Bars for Planned Units and Available Units

▸ A line for the % Units Available (Available Units calculated as a percentage of Available plus Planned Units)

The x-axis shows dates broken into weeks. The y-axis for the bars, on the left, shows Units. The y-axis for the line, on the right, shows Percentage of Units Available.

This pivot table shows the same data as the line-bar graph. Rows show Available Units, Planned Units, and % Available. Columns show the date broken into weeks.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.
3) On the **Resource Analysis** dashboard, click the **Utilization** page.
4) On the **Utilization** page, expand the **Resource Availability** section.

Subject Areas

Resource Utilization

Utilization Section

Week Name	Resource Name	Limit	Planned Units	Planned % Utilization	Actual Units	Actual % Utilization
2013-07-28	Field Engineer	60.00	0.00	0%	0.00	0%
2013-08-04	Field Engineer	150.00	54.00	36%	49.00	33%
2013-08-11	Field Engineer	150.00	4.00	3%	0.00	0%
2013-08-18	Field Engineer	150.00	4.00	3%	0.00	0%
2013-08-25	Field Engineer	150.00	80.00	53%	0.00	0%
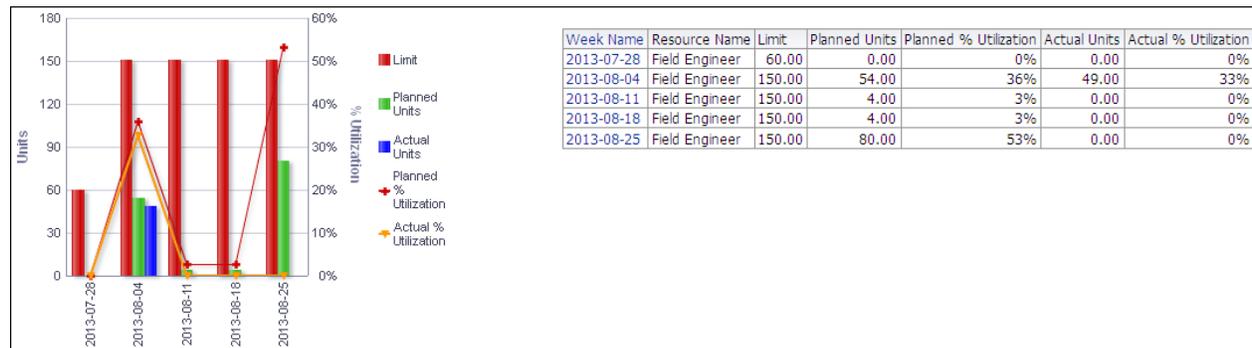
Purpose

This line-bar graph breaks data down for the selected resource by week. If no resource is selected, the selection defaults to the first resource in the list. The line-bar graph shows:

▶   Bars for Limit, Planned Units, and Actual Units
▶   Lines for Planned % Utilization and Actual % Utilization

The x-axis shows dates broken into weeks. The y-axis for the bars, on the left, shows Units. The y-axis for the lines, on the right, shows Percent Utilization. Hover over a bar or a point on a line to see details.

This table breaks down the selected resource's data by week, showing columns for:

▶   Week Name
▶   Resource Name
▶   Limit
▶   Planned Units
▶   Planned % Utilization
▶   Actual Units
▶   Actual % Utilization

Click a week name to drill down to resource analysis information for that week.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.

3) On the **Resource Analysis** dashboard, click the **Utilization** page.
4) On the **Utilization** page, expand the **Utilization** section.

Subject Areas

Resource Utilization

Capacity Section

Month Name	Resource Name	Planned Units	Actual Units	Limit	Available Units	Remaining Units
2013-01	Amit Chopra	88.00		528.00	440.00	88.00
	Automation Systems Engineer	32.52		1056.00	1023.48	32.52
	BPM Consultant 1	42.30		528.00	485.70	42.30
	BPM Consultant 3	184.00		528.00	344.00	184.00
	Cindy Lee	26.83		528.00	501.17	26.83
	Concrete Foundation Subcontractor	407.73		1584.00	1176.27	407.73
	Conveying Subcontractor	100.97		528.00	427.03	100.97
	Dan Paxson	220.00		528.00	308.00	220.00
	Dan Sharpe	132.00		396.00	264.00	132.00
	Deepak Singh	41.20		528.00	486.80	41.20
	Drywall Subcontractor	443.67		1056.00	612.33	443.67
	Electrician	604.65		3168.00	2563.35	604.65
	FF&E Specialties	516.85		1584.00	1067.15	516.85
	Field Eng-Assistant	176.00		528.00	352.00	176.00
	Field Eng-Senior	182.62		660.00	477.38	182.62
	Field Engineer	152.83		660.00	507.17	152.83
	Finish Carpenter	393.60		4224.00	3830.40	393.60
	Finishes & Fit-out Subcontractor	443.67		1584.00	1140.33	443.67
	Fire Suppression Subcontractor	3.30		528.00	524.70	3.30
	Floor and Carpet Layer	443.67		1584.00	1140.33	443.67
	Frank Chu	183.00		528.00	345.00	183.00
	HVAC	500.39		1056.00	555.61	500.39
	IT Consultant	131.83		528.00	396.17	131.83
	Ian Vincent	85.20		528.00	442.80	85.20
	Jo Wren	76.96		528.00	451.04	76.96

Rows 1 - 25

Purpose

This line-bar graph breaks data for the selected resource down by month. The graph shows:

▸ Bars for Planned Units, Actual Units, Remaining Units, and Available Units
▸ A line for Limit

The x-axis shows months. The y-axis for the bars, on the left, shows Units. The y-axis for the line, on the right, shows Limit (Units). Hover over a bar or a point on a line for details.

This pivot table breaks data down by month then resource. For each resource, the pivot table shows columns for:

▸ Month Name
▸ Resource Name
▸ Planned Units
▸ Actual Units
▸ Limit
▸ Available Units
▸ Remaining Units

Use the up and down arrows below the table to navigate to other sections of the table. Use the double-ended arrow to view the whole table in one screen (to a maximum of 500 rows per page).

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.

3) On the **Resource Analysis** dashboard, click the **Utilization** page.
4) On the **Utilization** page, expand the **Capacity** section.

Subject Areas

Resource Assignment

Location Page

This page shows location information for resources.

Resource Location by Role Section
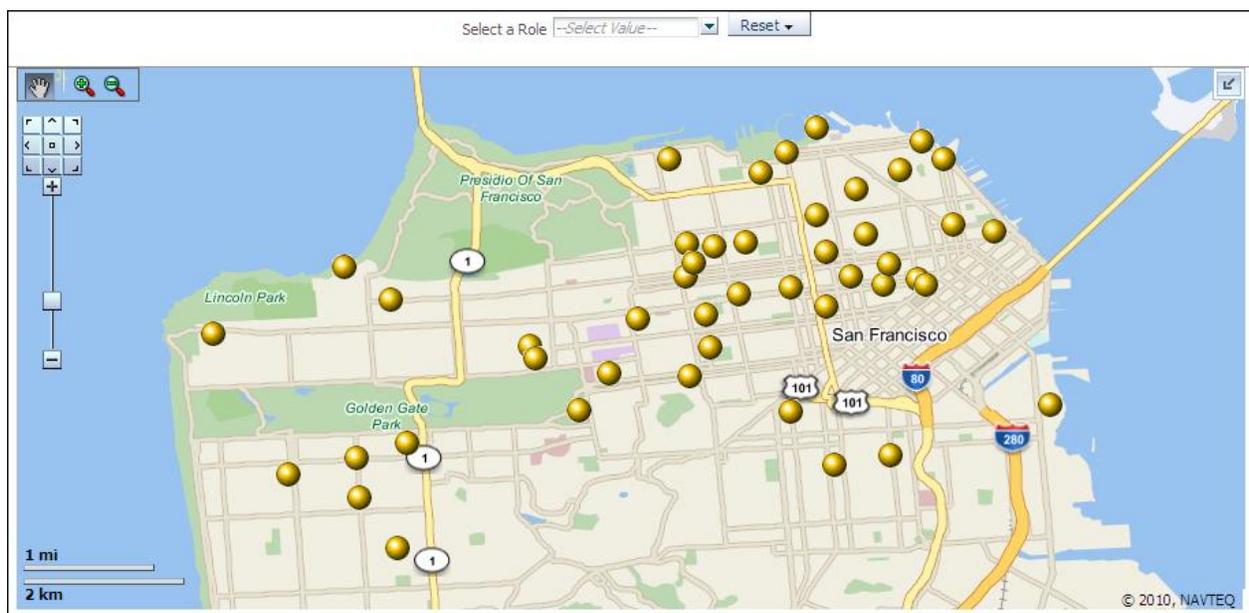
Purpose

This map shows resource locations broken down by roles. Locations are marked by gold bubbles. Hover over a gold bubble to see specific information about the resource related to the location.

Location
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.
3) On the **Resource Analysis** dashboard, click the **Location** page.
4) On the **Location** page, expand the **Resource Location by Role** section.

Subject Areas

Resource Assignment

Industry Samples Dashboard

This dashboard shows daily burn down, performance, work planning, and schedule adherence for industry related activities.

Shutdown/Turnaround/Outage Page

This page shows an overview of daily burn downs, schedule compliance, and other performance metrics.

Burn Down Hours Section
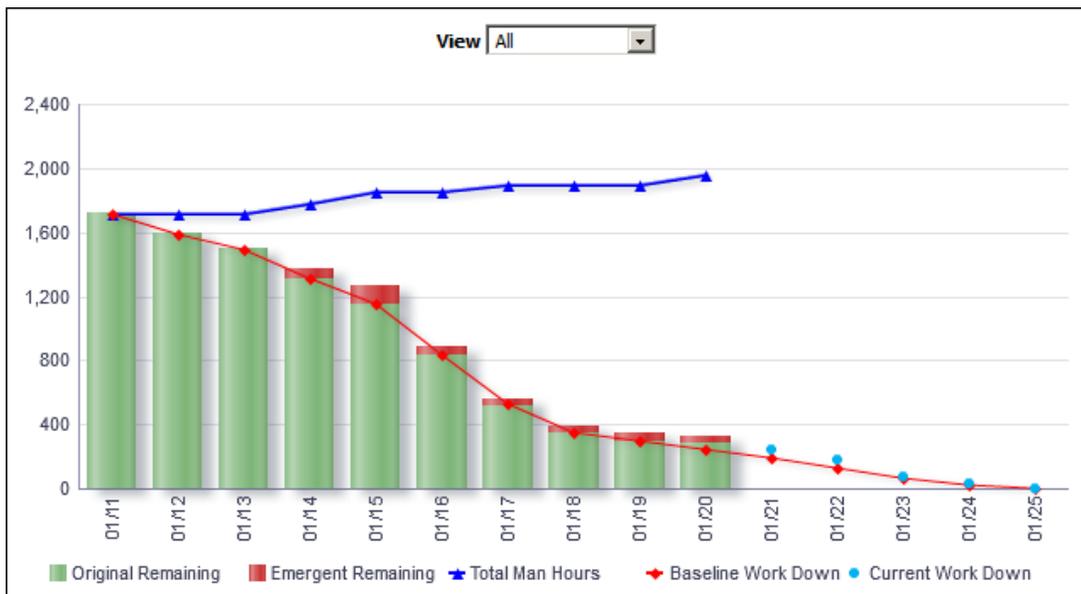
Purpose

This line-bar graph shows burn down hours broken down by date. Use the View list to determine how the information is displayed. The available views are:

‣ All: This displays totals for the project.
‣ Resource Slider: This filters the graph by resource. The graph will update as the slider is moved.

This line-bar graph shows:

‣ Bars for Original Remaining and Emergent Remaining hours for each day
‣ Lines for the Total Man Hours, Baseline Work Down, and Current Work Down hours for each day

The x-axis shows the date. The y-axis shows hours.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Industry Standards**.

3) On the **Industry Standards** dashboard, click the **Shutdown/Turnaround/Outage** page.

4) On the **Shutdown/Turnaround/Outage** page, expand the **Burn Down Hours** section.

Subject Areas

Burn Down

Burn Down Counts Section
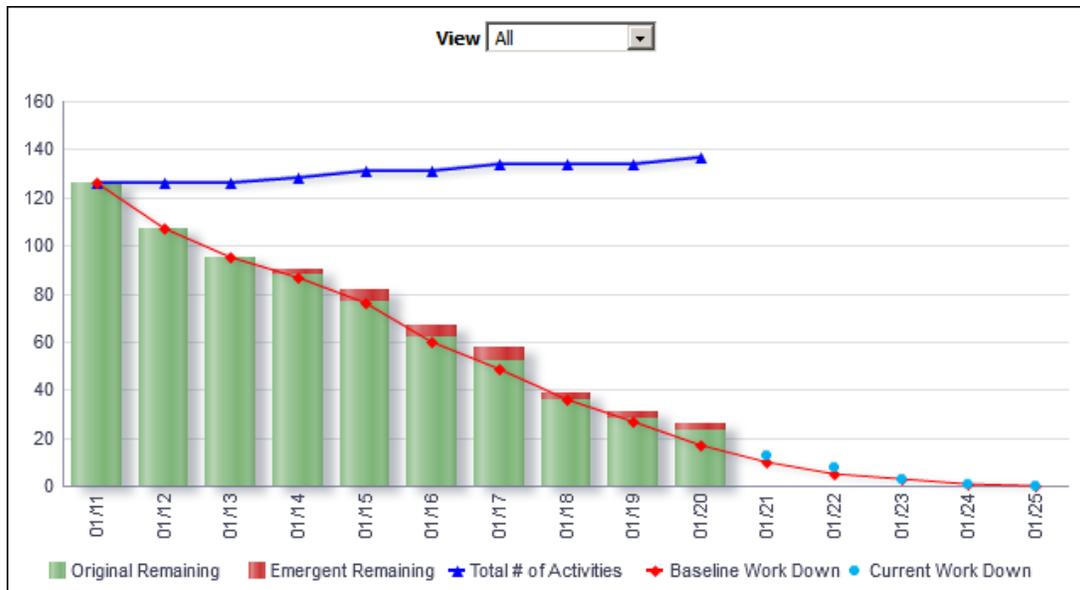
Purpose

This line-bar graph shows burn down counts broken down by date. Use the View list to determine whether the information is displayed as All or Resource Slider. This line-bar graph shows:

▶ Bars for the Original Remaining and Emergent Remaining counts for each day

▶ Lines for Total Number of Activities, Baseline Work Down, and Current Work Down counts for each day

The x-axis shows days. The y-axis shows the number of activities.

Location

1) On the **Home** page, click **Dashboards**.

2) Under **Primavera**, select **Industry Samples**.

3) On the **Industry Samples** dashboard, click the **Shutdown/Turnaround/Outage** page.

4) On the **Shutdown/Turnaround/Outage** page, expand the **Burn Down Counts** section.

Subject Areas

Burn Down

Daily Performance Section

Calendar Date	Team	Yesterday's Data						Today's Data	Outage To Date Data				
		Scheduled Starts (Yest)	Actual Reported Starts (Yest)	% Scheduled vs Actual Starts (Yest)	Scheduled Finishes (Yest)	Actual Reported Finish (Yest)	% Scheduled vs Actual Finish (Yest)	Scheduled Finishes Today	Actual Completed to Date	Scheduled Finishes to Date	Total Activities	Scope Changes	% Complete to Date
01/20/2014	<NO VALUE>	0	0		0	0		0	2	2	3	0	66.7%
	Electrical	1	1	100.0%	0	0		2	17	17	23	0	73.9%
	Engineering	1	1	100.0%	1	1	100.0%	0	12	12	13	2	92.3%
	Inspections	2	2	100.0%	3	3	100.0%	2	28	30	30	2	93.3%
	Mechanical	2	2	100.0%	3	2	66.7%	5	26	26	34	6	76.5%
	Other	3	3	100.0%	3	3	100.0%	2	22	23	29	0	75.9%
	Welding	0	0		0	0		2	5	7	9	1	55.6%
01/20/2014 Total		9	9	100.0%	10	9	90.0%	13	112	117	141	11	79.4%

Purpose

This pivot table shows daily data organized by date and team. The table has columns for:

▸ Calendar Date
▸ Team
▸ Scheduled Starts (Yest)
▸ Actual Reported Starts (Yest)
▸ % Scheduled vs Actual Starts (Yest)
▸ Scheduled Finishes (Yest)
▸ Actual Reported Finish (Yest)
▸ % Scheduled vs Actual Finish (Yest)
▸ Scheduled Finishes Today
▸ Actual Completed to Date
▸ Scheduled Finishes to Date
▸ Total Activities
▸ Scope Changes
▸ % Complete to Date

The last row shows the totals for each column.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Industry Samples**.
3) On the **Industry Samples** dashboard, click the **Shutdown/Turnaround/Outage** page.
4) On the **Shutdown/Turnaround/Outage** page, expand the **Daily Performance** section.

Subject Areas

Burn Down

Schedule Compliance Section
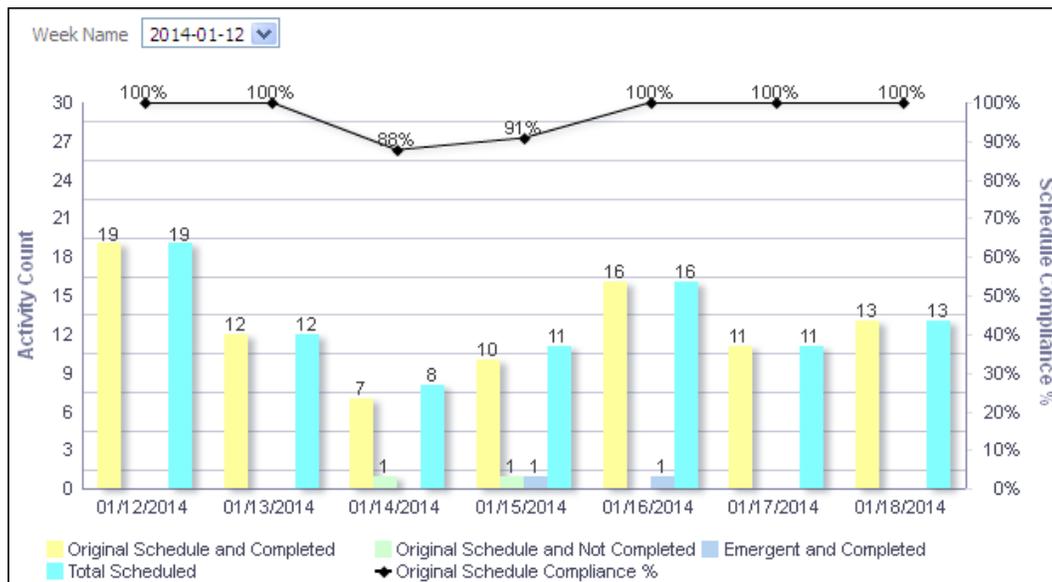
Purpose

This line-bar graph shows:

▸ Bars for Original Schedule and Completed, Original Schedule and Not Completed, Emergent and Completed, and Total Scheduled

▸ A line for Original Schedule Compliance percentage (the percentage of activities which were completed on a day that were scheduled to be completed on that day)

The x-axis shows the month, day, and year. The y-axis for the bars, on the left, shows the Activity Count. The y-axis for the line, on the right, shows the Schedule Compliance Percentage. Filter the graph by week using the Week Name list. Click on a bar or point to show the data in a table.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Industry Standards**.
3) On the **Industry Standards** dashboard, click the **Shutdown/Turnaround/Outage** page.
4) On the **Shutdown/Turnaround/Outage** page, expand the **Schedule Compliance** section.

Subject Areas

Burn Down

Average vs. Baseline (Hours) Section
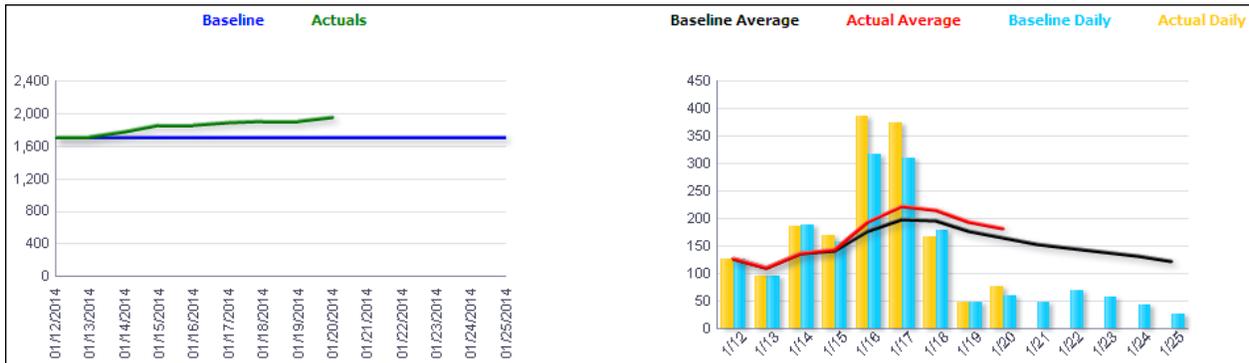
Purpose

This analysis shows a Baseline, Actuals line graph and a Baseline Average, Actual Average, Baseline Daily, Actual Daily line-bar graph.

The **Baseline, Actuals** line graph shows lines for Baseline hours and Actuals hours for each day.

The x-axis shows dates. The y-axis shows hours.

The **Baseline Average, Actual Average, Baseline Daily, Actual Daily** line-bar graph shows:

▶ Bars for Baseline Daily hours and Actual Daily hours
▶ Lines for Baseline Average hours and Actual Average hours

The x-axis shows dates. The y-axis shows hours.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Industry Standards**.
3) On the **Industry Standards** dashboard, click the **Shutdown/Turnaround/Outage** page.
4) On the **Shutdown/Turnaround/Outage** page, expand the **Average vs. Baseline (Hours)** section.

Subject Areas

Burn Down

Daily Performance Index (Hours) Section
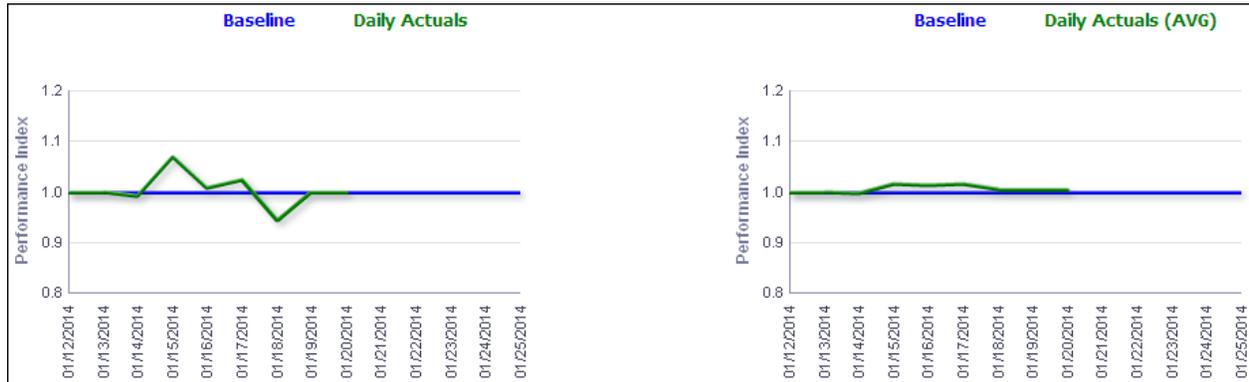
Purpose

This analysis shows Baseline, Daily Actuals and Baseline, Daily Actuals (AVG) line graphs.

The **Baseline, Daily Actuals** line graph shows lines for:

▸ Baseline (a constant, set to 1)
▸ Daily Actuals (calculated as Actual Labor Units divided by Planned Labor Units)

The x-axis shows dates. The y-axis shows Performance Index (calculated as Actual Labor Units divided by Planned Labor Units).

The **Baseline, Daily Actuals (AVG)** line graph shows lines for:

▸ Baseline (a constant, set to 1)
▸ Daily Actuals (calculated as a 365 day average of Actual Labor Units divided by Planned Labor Units)

The x-axis shows dates. The y-axis shows Performance Index (calculated as Actual Labor Units divided by Planned Labor Units).

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Industry Standards**.
3) On the **Industry Standards** dashboard, click the **Shutdown/Turnaround/Outage** page.
4) On the **Shutdown/Turnaround/Outage** page, expand the **Daily Performance Index (Hours)** section.

Subject Areas

Activity

Routine/On-Line Maintenance Page

This page shows work planning and schedule adherence.

Work Planning Look Ahead Section

	05/11/2014	05/04/2014	04/27/2014	04/20/2014	04/13/2014
	1419	1418	1417	1416	1415
	T-05	T-04	T-03	T-02	T-01
Scope Stability	98.0%	95.9%	91.8%	95.6%	87.8%
Schedule Stability	100.0%	90.5%	87.5%	95.3%	97.0%
Scope Survival	100.0%	97.1%	81.3%	100.0%	100.0%
Emergent Work	0.0%	4.8%	3.8%	4.7%	2.1%
Operations Clearances Ready	79.0%	83.0%	96.0%	96.0%	97.0%
Parts Identification	88.0%	95.0%	93.0%	91.0%	98.0%
Parts Availability	80.0%	80.0%	82.0%	89.0%	91.0%
Maintenance Walkdowns Completed	73.0%	76.0%	85.0%	83.0%	93.0%

Purpose

This pivot table shows how Key Performance Indicators (KPIs) are performing from a planning perspective in the upcoming execution work weeks. The percentages shown are color coded to highlight where improvement needs to be made. Green shaded percentages are good, yellow highlights potential issues, and red indicates where corrective action might be needed. The thresholds that determine when an issue is green, yellow, or red are customizable. The KPIs are based on INP0 AP-928 standards, which are used by the United States nuclear power utility industry. The last four KPIs shown are based on custom activity codes.

The columns show execution workweek start dates, workweeks, and workweek indicators (from T-05 to T-01, T-01 being next week and T-05 being five weeks in the future).

> **Note**: The workweek is often used in the nuclear industry. This is determined by taking the last two digits of the year and attaching the week number to the end. For example, the 22nd week of 2013 would have a Workweek number of 1322 and the 23rd week would be 1323.

The rows show:

▸ Scope Stability
▸ Schedule Stability
▸ Scope Survival
▸ Emergent Work
▸ Operations Clearances Ready
▸ Parts Identification
▸ Parts Availability
▸ Maintenance Walkdowns Completed

Click on a cell to drill down to activities.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Industry Standards**.
3) On the **Industry Standards** dashboard, click the **Routine/On-Line Maintenance** page.
4) On the **Routine/On-Line Maintenance** page, expand the **Work Planning Look Ahead** section.

Subject Areas

Work Planning

Work Planning T+1 Critique Section

Execution Work Week 04/06/2014	T-10	T-09	T-08	T-07	T-06	T-05	T-04	T-03	T-02	T-01
	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413
Scope Stability	100.0%	100.0%	97.2%	93.0%	93.0%	91.5%	91.5%	90.1%	87.3%	85.9%
Scope Survival	100.0%	100.0%	100.0%	92.9%	92.9%	92.9%	92.9%	92.9%	92.9%	90.5%
Schedule Stability					100.0%	98.5%	98.5%	85.3%	82.4%	80.9%
Emergent Work					0.0%	1.5%	1.5%	2.9%	4.4%	4.4%

	>= 90%	80 - 90 %	< 80 %
Scope Stability	>= 90%	80 - 90 %	< 80 %
Scope Survival	>= 90%	80 - 90 %	< 80 %
Schedule Stability	>= 90%	80 - 90 %	< 80 %
Emergent	< 10 %	10 - 20 %	> 20 %

Purpose

This pivot table shows a historical perspective of a particular execution work week, shown in the table as T-00. This table allows you to see how specific Key Performance Indicators (KPIs) performed week after week. The table shows the percentages for T-10 through T-00, T-10 being 10 weeks before the execution work week.

Cells are color coded per KPI to show whether the values represent good performance or indicate that corrective work should considered or is urgently required.

The columns show execution workweek indicators (from T-10 to T-00) and workweeks.

> **Note**: The workweek is often used in the nuclear industry. This is determined by taking the last two digits of the year and attaching the week number to the end. For example, the 22nd week of 2013 would have a Workweek number of 1322 and the 23rd week would be 1323.

The rows show:

- ▶ Scope Stability
- ▶ Scope Survival
- ▶ Schedule Stability
- ▶ Emergent Work

Use the Execution Work Week list to change to view a different week's history.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Industry Standards**.
3) On the **Industry Standards** dashboard, click the **Routine/On-Line Maintenance** page.
4) On the **Routine/On-Line Maintenance** page, expand the **Work Planning T+1 Critique** section.

Subject Areas

Work Planning

On-Line Daily Schedule Adherence - Graded Section

Team	Grade	04/07/2014 Scheduled	Completed	%	04/08/2014 Scheduled	Completed	%	04/09/2014 Scheduled	Completed	%	04/10/2014 Scheduled	Completed	%	04/11/2014 Scheduled	Completed	%	Scheduled	Completed	%
Electrical Maintenance	B	2	2	100.0%	2	1	50.0%	3	3	100.0%	1	1	100.0%	2	2	100.0%	10	9	90.0%
	C	1	1	100.0%	0	0	0.0%	1	1	100.0%	0	0	0.0%	2	2	100.0%	4	4	100.0%
Instrumentation and Controls	B	0	0	0.0%	3	3	100.0%	1	0	0.0%	1	1	100.0%	1	1	100.0%	6	5	83.3%
	C	2	2	100.0%	4	4	100.0%	3	3	100.0%	3	3	100.0%	0	0	0.0%	12	12	100.0%
Mechanical Maintenance	B	3	3	100.0%	0	0	0.0%	1	0	0.0%	5	4	80.0%	0	0	0.0%	9	7	77.8%
	C	0	0	0.0%	0	0	0.0%	1	1	100.0%	2	2	100.0%	2	2	100.0%	5	5	100.0%
Operations Clearance	A	0	0	0.0%	1	1	100.0%	0	0	0.0%	1	0	0.0%	1	1	100.0%	3	2	66.7%
	B	4	4	100.0%	2	2	100.0%	5	2	40.0%	4	3	75.0%	2	2	100.0%	17	13	76.5%
	C	2	2	100.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	2	100.0%
Grand Total		**14**	**14**	**100.0%**	**12**	**11**	**91.7%**	**15**	**10**	**66.7%**	**17**	**14**	**82.4%**	**10**	**10**	**100.0%**	**68**	**59**	**86.8%**

Purpose

This pivot table shows schedule adherence, broken down by team. The table shows columns for:

- ▶ Team
- ▶ Grade
- ▶ Scheduled (Per day and total)
- ▶ Completed (Per day and total)
- ▶ Percentage of scheduled activities which were completed (Per day and total)

Click on a day name to see a table showing only that day.

Grades represent the level of work scheduling:

- ▶ A: Hourly
- ▶ B: Daily
- ▶ C: Weekly
- ▶ D: No Tracking

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Industry Standards**.
3) On the **Industry Standards** dashboard, click the **Routine/On-Line Maintenance** page.
4) On the **Routine/On-Line Maintenance** page, expand the **On-Line Daily Schedule Adherence - Graded** section.

Subject Areas

Burn Down

On-Line Daily Schedule Adherence - Standard Section

Team	04/07/2014			04/08/2014			04/09/2014			04/10/2014			04/11/2014			Weekly Totals		
	Scheduled	Completed	%	Scheduled	Completed	%	Scheduled	Completed	%	Scheduled	Completed	%	Scheduled	Completed	%	Scheduled	Completed	%
Electrical Maintenance	3	3	100.0%	2	1	50.0%	4	4	100.0%	1	1	100.0%	4	4	100.0%	14.00	13.00	92.9%
Instrumentation and Controls	2	1	50.0%	7	6	85.7%	4	3	75.0%	4	4	100.0%	1	1	100.0%	18.00	17.00	94.4%
Mechanical Maintenance	3	3	100.0%	0	0	0.0%	2	1	50.0%	7	6	85.7%	2	2	100.0%	14.00	14.00	100.0%
Operations Clearance	6	6	100.0%	3	3	100.0%	5	2	40.0%	5	4	80.0%	3	3	100.0%	22.00	22.00	100.0%
Grand Total	14	13	92.9%	12	10	83.3%	15	10	66.7%	17	15	88.2%	10	10	100.0%	68.00	66.00	97.1%

Purpose

This pivot table shows schedule adherence, broken down by team. The table shows columns for:

▸ Team
▸ Scheduled (Per day and total)
▸ Completed (Per day and total)
▸ Percentage of scheduled activities which were completed (Per day and total)

Click on a week name to see a table showing only that week.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Industry Standards**.
3) On the **Industry Standards** dashboard, click the **Routine/On-Line Maintenance** page.
4) On the **Routine/On-Line Maintenance** page, expand the **On-Line Daily Schedule Adherence - Standard** section.

Subject Areas

Burn Down

Schedule Compliance Section
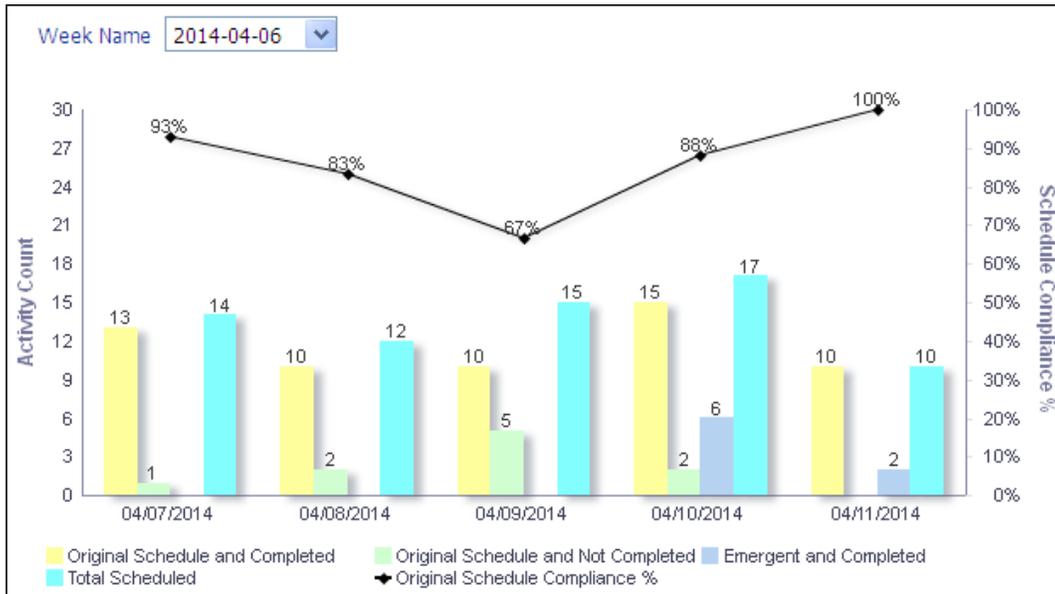
Purpose

This bar-line graph shows scheduled compliance for the selected week. Original Schedule Compliance percentage measures the number of activities which were completed against the number which were scheduled to complete. The line-bar graph shows:

▶ Bars for Original Schedule and Completed, Original Schedule and Not Completed, Emergent and Completed, and Total Scheduled
▶ A line for Original Schedule Compliance Percentage

The x-axis shows dates. The y-axis for the bars, on the left, is the Activity Count. The y-axis for the line, on the right, is Schedule Compliance Percentage.

Select the week to view from the Week Name list. Click on a bar or point to show the data in table form.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Industry Standards**.
3) On the **Industry Standards** dashboard, click the **Routine/On-Line Maintenance** page.
4) On the **Routine/On-Line Maintenance** page, expand the **Schedule Compliance** section.

Subject Areas

Burn Down

Burn Down Activity Use Cases

The activity use cases demonstrate common activity scenarios you can encounter while using the Burn Down feature and the expected outcomes after running the ETL process.

> **Note**: For information on scheduling a Burn Down, see the Burn Down topics in the *P6 Analytics Post Installation Administrator's Guide*.

Burn Down Activity Scenarios

The following topics show individual activity use case details for different Burn Down project activity states.

The following assumptions are made for the activity use cases:

▸ sys_workdown_date: The project schedule uses a sys_workdown_date of 3/31/2013.

▸ Data Date: This is equal to the project's Data Date when the ETL process is run.

▸ ETL Process Date: The ETL process is run each day no later than 11:59 p.m. and after the schedule is updated and the Data Date is advanced.

To properly calculate Burn Down metrics, the schedule must be updated and the ETL process must be run daily.

Completed Before Outage Project Snapshot Use Case

This use case describes what happens when an activity completes before the Outage Project Snapshot is taken.

P6 Values Table

Field	Planned Value	Actual Value
Start	3/30/2013 12:00 a.m.	3/30/2013 12:00 a.m.
Finish	3/30/2013 10:00 a.m.	3/30/2013 10:00 a.m.
Duration	10 hours	10 hours
Units	10	10

Burn Down Results

3/31: Only the Actual Units Burn values will be captured in Burn Down because the activity was completed before the snapshot date of 3/31/2013.

Day	Remaining Units Burn	Actual Units Burn	Completed	Emergent Count
Day 0 (3/31)	0	10	0	0
Day 1 (4/1)	0	10	0	0
Day 2 (4/2)	0	10	0	0
Day 3 (4/3)	0	10	0	0

Note: These activities can be filtered with Oracle Business Intelligence.

Started Before Outage Project Snapshot Spanning into Outage Use Case

This use case describes what happens when an activity starts before the sys_workdown_date and ends after the Outage Project Snapshot is taken, on Day 1.

P6 Values Table

Field	Planned Value	Actual Value
Start	3/30/2013 12:00 a.m.	3/30/2013 12:00 a.m.
Finish	4/01/2013 2:00 a.m.	4/01/2013 2:00 a.m.
Duration	50 hours	50 hours
Units	50	50

Burn Down Results

▶ 3/31: When the ETL process runs, this activity has only two Remaining Units and it is scheduled to finish on Monday 4/01/2013 (Day 1).

▶ 4/01: The activity is completed in P6 on 4/01 and then it is counted as complete when the ETL runs on 4/01. The Actual Units Burn value of 50 will continue to be captured after completion so Cumulative Totals can be counted by day.

Day	Remaining Units Burn	Actual Units Burn	Completed	Emergent Count
Day 0 (3/31)	2	48	0	0
Day 1 (4/01)	0	50	1	0
Day 2 (4/02)	0	50	0	0
Day 3 (4/03)	0	50	0	0

Completed Day of Outage Project Snapshot Use Case

This use case describes what happens when an activity starts and completes on the project snapshot date.

P6 Values Table

Field	Planned Value	Actual Value
Start	3/31/2013 12:00 a.m.	3/31/2013 12:00 a.m.
Finish	3/31/2013 10:00 a.m.	3/31/2013 10:00 a.m.
Duration	10 hours	10 hours
Units	10	10

Burn Down Results

3/31: The activity is completed in P6 and counted as complete when the ETL process runs. The Actual Units Burn value of 10 will continue to be captured after completion so Cumulative Totals can be counted by day.

Day	Remaining Units Burn	Actual Units Burn	Completed	Emergent Count
Day 0 (3/31)	0	10	1	0
Day 1 (4/01)	0	10	0	0
Day 2 (4/02)	0	10	0	0
Day 3 (4/03)	0	10	0	0

Pre-Outage Work Spanning into Outage Use Case

This use case describes what happens when an activity starts on the project snapshot date and completes on Day 1 of the outage.

P6 Values Table

Field	Planned Value	Actual Value
Start	3/31/2013 12:00 a.m.	3/31/2013 12:00 a.m.
Finish	4/01/2013 6:00 a.m.	4/01/2013 6:00 a.m.
Duration	30 hours	30 hours
Units	30	30

Burn Down Results

▸ 3/31: When the ETL process runs, this activity will have six Remaining Units and it will be scheduled to finish on Monday 4/01/2013 (Day 1).

▸ 4/01: The activity is completed in P6 and then it is counted as complete when the ETL process runs. The Actual Units Burn value of 30 will continue to be captured after completion so Cumulative Totals can be counted by day.

Day	Remaining Units Burn	Actual Units Burn	Completed	Emergent Count
Day 0 (3/31)	6	24	0	0
Day 1 (4/1)	0	30	1	0
Day 2 (4/2)	0	30	0	0
Day 3 (4/3)	0	30	0	0

Completed as Scheduled on Day 1 of Outage Use Case

This use case describes what happens when an activity starts and completes as scheduled on Day 1 of the outage.

P6 Values Table

Field	Planned Value	Actual Value
Start	4/01/2013 12:00 a.m.	4/01/2013 12:00 a.m.
Finish	4/01/2013 10:00 a.m.	4/01/2013 10:00 a.m.
Duration	10 hours	10 hours
Units	10	10

Burn Down Results

▸ 3/31: When the ETL process runs, this activity has 10 Remaining Units and it is scheduled to finish on Monday 4/01/2013 (Day 1).

▸ 4/01: The activity is completed in P6 and counted as complete when the ETL process runs. The Actual Units Burn value of 10 will continue to be captured after completion so Cumulative Totals can be counted by day.

Day	Remaining Units Burn	Actual Units Burn	Completed	Emergent Count
Day 0 (3/31)	10	10	1	0
Day 1 (4/01)	0	10	0	0
Day 2 (4/02)	0	10	0	0
Day 3 (4/03)	0	10	0	0

Completed Late on Day 3 of Outage Use Case

This use case describes what happens when an activity starts on Day 2 and additional Remaining Units and Duration are added to the activity causing it to not finish as scheduled. In this use case, the activity finishes on the following day, 4/03/2013.

P6 Values Table

Field	Planned Value	Actual Value
Start	4/02/2013 12:00 a.m.	4/02/2013 12:00 a.m.
Finish	4/02/2013 10:00 a.m.	4/03/2013 6:00 a.m.
Duration	10 hours	30 hours
Units	10	30 (+20)

Burn Down Results

‣ 3/31: When the ETL process runs, this activity has 10 Remaining Units and it is scheduled to finish on Monday 4/02/2013 (Day 2).

‣ 4/01: When the ETL process runs, this activity still has 10 Remaining Units and is scheduled to finish on Monday 4/02/2013 (Day 2).

‣ 4/02: The activity has 20 additional units added.

  ‣ The Remaining Units Burn increases from 0 to 6.

  ‣ Actual Units Burn increases from 10 to 24.

‣ 4/03: The activity is completed in P6 and counted as complete when the ETL process runs.

Day	Remaining Units Burn	Actual Units Burn	Completed	Emergent Count
Day 0 (3/31)	10	0	0	0
Day 1 (4/01)	10	0	0	0
Day 2 (4/02)	6	24	0	0
Day 3 (4/03)	0	30	1	0

Emergent Activity on Day 3 of Outage Use Case

This use case describes what happens when an activity is added to the schedule on Day 2 and completed on Day 3.

P6 Values Table

Field	Planned Value	Actual Value
Start	4/03/2013 12:00 a.m.	4/03/2013 12:00 a.m.
Finish	4/03/2013 10:00 a.m.	4/03/2013 10:00 a.m.
Duration	10 hours	10 hours
Units	10	10 (+10)

Burn Down Results

‣ 4/02: The activity is added and scheduled to complete on 4/03.
  ‣ Remaining Units Burn = 10
  ‣ Emergent Count = 1
‣ 4/03: The activity is completed in P6 and counted as complete when the ETL process runs.

Day	Remaining Units Burn	Actual Units Burn	Completed	Emergent Count
Day 0 (3/31)	0	0	0	0
Day 1 (4/01)	0	0	0	0
Day 2 (4/02)	10	0	0	1
Day 3 (4/03)	0	10	1	0

Deleted After Outage Start Use Case

This use case describes what happens when an activity is completed as scheduled on Day 1 and deleted on Day 3.

P6 Values Table

Field	Planned Value	Actual Value
Start	4/01/2013 12:00 a.m.	4/01/2013 12:00 a.m.
Finish	4/01/2013 10:00 a.m.	4/01/2013 10:00 a.m.
Duration	10 hours	10 hours
Units	10	10

Burn Down Results

‣ 3/31: When the ETL process runs, this activity has 10 Remaining Units and it is scheduled to finish on Monday, 4/01/2013 (Day 1).

▸ 4/01: The activity is completed in P6 and counted as complete when the ETL process runs. The Actual Units Burn value of 10 will continue to be captured after completion so Cumulative Totals can be counted by day.

▸ 4/02: There will be no change on 4/02.

▸ 4/03: The activity is deleted in P6 and, when the ETL process runs, all records for this activity are removed from the Burn Down subject area.

Day	Remaining Units Burn	Actual Units Burn	Completed	Emergent Count
Day 0 (3/31) (Day and values deleted)	0	0	0	0
Day 1 (4/01) (Day and values deleted)	0	0	0	0
Day 2 (4/02) (Day and values deleted)	10	0	0	1
Day 3 (4/03) (Day and values deleted)	0	10	1	0

Note: Alternatively, this activity can be marked or coded as deleted in P6. The activity is not physically deleted, but is filtered out in Oracle Business Intelligence.

Data Flow from P6 EPPM to P6 Analytics

The following topics detail how the Burn Down subject area captures metrics from your P6 project on a daily basis.

Day 0 (3/31/2013)

▸ sys_workdown_date: 3/31/2013

▸ Data Date: 3/31/2013

▸ ETL Process Date: 3/31/2013 11:59 p.m.

On Day 0, two activities are started and in-progress. One activity is started and completed on 3/31/2013. At the time the ETL process is run, the schedule is captured in the Burn Down.

This ETL process capture point becomes the Burn Down baseline of the schedule in P6 Analytics, as 3/31/2013 is the date specified in the sys_workdown_date Project UDF value. All activities completed on or after the 3/31/2013 date until the project's Finish Date receive these baseline metrics.

Schedule Updates

Figure 1: Day 0 Schedule Updates Graphic

Activity Name	Use Case	Activity Status	Planned Labor Units	Actual Labor Units	Remaining Labor Units	At Completion Labor Units
Started before Outage Project Snapshot Spanning into Outage	AC2	In Progress	50.00h	48.00h	2.00h	50.00h
Pre-Outage Spanning into Outage	AC4	In Progress	30.00h	24.00h	6.00h	30.00h
Completed as Scheduled on Day 1 of Outage	AC5	Not Started	10.00h	0.00h	10.00h	10.00h
Completed Late on Day 3 of Outage	AC6	Not Started	10.00h	0.00h	10.00h	10.00h
Deleted After Outage Start	AC9	Not Started	10.00h	0.00h	10.00h	10.00h
Completed Before Outage Project Snapshot	AC1	~~Completed~~	10.00h	10.00h	0.00h	10.00h
Completed Day of Outage Project Snapshot	AC3	~~Completed~~	10.00h	10.00h	0.00h	10.00h
			130 hours	92 hours	38 hours	130 hours

▸ Started before Outage Project Snapshot Spanning into Outage - AC2
  ▸ Status: In-progress
  ▸ Actual Units: 48
  ▸ Remaining Units: 2
▸ Completed Day of Outage Project Snapshot - AC3
  ▸ Status: Complete
  ▸ Actual Units: 10
  ▸ Remaining Units: 0
▸ Pre-Outage Work Spanning into Outage - AC4
  ▸ Status: In-progress
  ▸ Actual Units: 24
  ▸ Remaining Units: 6

Burn Down Hours

Burn Down Hours Summary

  ▸ 38 Baseline Hours remain
  ▸ 38 Actual Hours remain

▸ 130 Total Hours (Actual and Remaining)
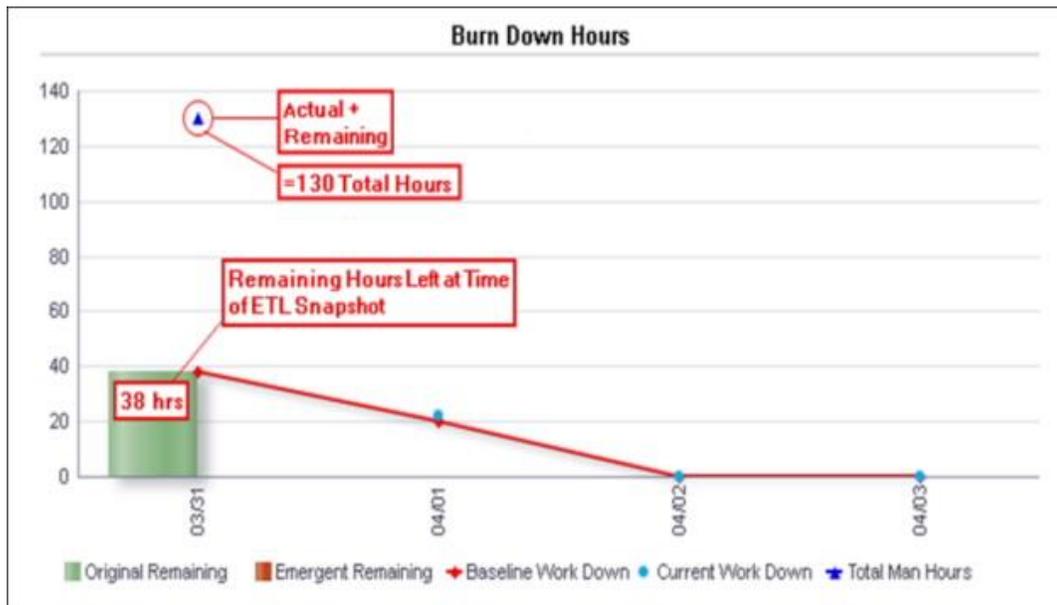
At the time the ETL process is run on 3/31/2013 there are 38 hours remaining in the schedule. There are 130 Total Hours remaining, which is a combination of the Actual Units Burn and Remaining Units Burn.

This table shows a subset of the activity metrics that are summarized in the Burn Down Hours line-bar graph.

Figure 2: Day 0 Burn Down Hours Table

Calendar Date	Activity Name	Baseline Remaining Units Burn	Remaining Units Burn	Actual Units Burn	Total Units
03/31/2013	Completed Before Outage Project Snapshot			10	10
	Completed Day of Outage Project Snapshot			10	10
	Completed Late on Day 3 of Outage	10	10		10
	Completed as Scheduled on Day 1 of Outage	10	10		10
	Deleted After Outage Start	10	10		10
	Pre-Outage Spanning into Outage	6	6	24	30
	Started before Outage Project Snapshot Spanning into Outage	2	2	48	50
03/31/2013 Total		38	38	+ 92	= 130

Burn Down Counts

Burn Down Counts Summary

▸ 5 Baseline Activities remain
▸ 5 Actual Activities remain

- 7 Total Activities (Complete and Remaining)
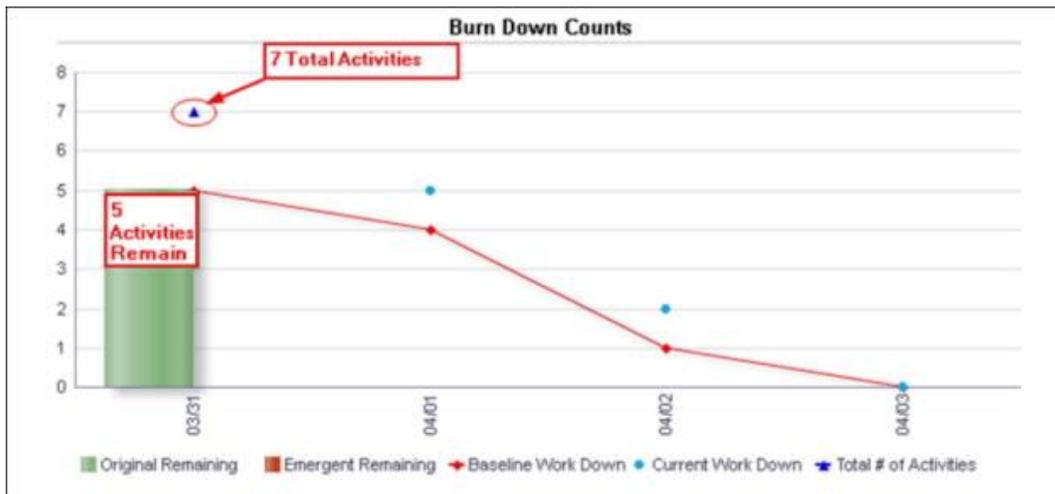
At the time the ETL process is run on 3/31/2013, there are five activities with hours remaining in the schedule. There are seven Total Activities, which include activities with Remaining Units and all other activities included as of the sys_workdown_date ETL process snapshot.

This table shows a subset of the activity metrics that are summarized in the Burn Down Counts line-bar graph.

Figure 3: Day 0 Burn Down Counts Table

Day 1 (4/01/2013)

- sys_workdown_date: 3/31/2013
- Data Date: 4/01/2013
- ETL Process Date: 4/01/2013 11:59 p.m.

On Day 1, three activities are marked complete, leaving only two activities remaining. The Data Date is then updated accordingly. At the time the ETL process is run, the actuals are captured from the schedule in the Burn Down.

Schedule Updates

Figure 4: Day 1 Schedule Updates Graphic

Activity Name	Use Case	Activity Status ▲	Planned Labor Units	Actual Labor Units	Remaining Labor Units	At Completion Labor Units
Completed Late on Day 3 of Outage	AC6	Not Started	10.00h	0.00h	10.00h	10.00h
Deleted After Outage Start	AC9	Not Started	10.00h	0.00h	10.00h	10.00h
Completed Before Outage Project Snapshot	AC1	Completed	10.00h	10.00h	0.00h	10.00h
Started before Outage Project Snapshot Spanning into Outage	AC2	Completed	50.00h	50.00h	0.00h	50.00h
Completed Day of Outage Project Snapshot	AC3	Completed	10.00h	10.00h	0.00h	10.00h
Pre-Outage Spanning into Outage	AC4	Completed	30.00h	30.00h	0.00h	30.00h
Completed as Scheduled on Day 1 of Outage	AC5	Completed	10.00h	10.00h	0.00h	10.00h
			130 hours	110 hours	20 hrs	130 hours

- Started before Outage Project Snapshot Spanning into Outage - AC2
  - Status: Complete
  - Actual Units: 50 (2 today)
  - Remaining Units: 0
- Pre-Outage Work Spanning into Outage - AC4
  - Status: Complete
  - Actual Units: 30 (6 today)
  - Remaining Units: 0
- Completed as Schedule on Day 1 of Outage - AC5
  - Status: Complete
  - Actual Units: 10
  - Remaining Units: 0

Burn Down Hours

Burn Down Hours Summary

- 20 Baseline Hours remain
- 20 Actual Hours remain

- 130 Total Hours (Actual and Remaining)
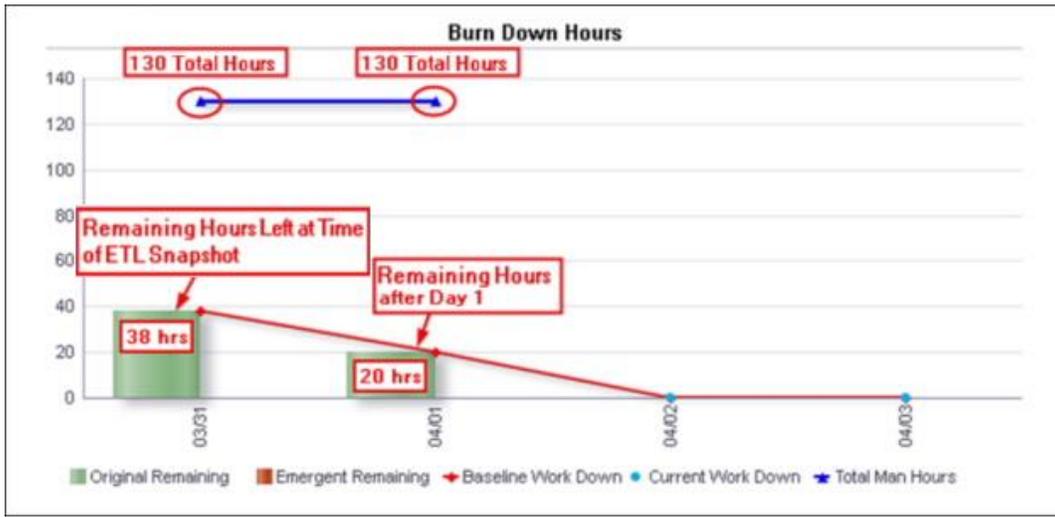
At the time the ETL process is run on 4/01/2013 there are 20 hours remaining in the schedule. As all the activities still match the plan on 3/31/2013, there are 130 Total Hours, which is a combination of the Actual Units Burn and Remaining Units Burn.

This table shows a subset of the activity metrics that are summarized in the Burn Down Hours line-bar graph for Day 1.

Figure 5: Day 1 Burn Down Hours Table

Calendar Date	Activity Name	Baseline Remaining Units Burn	Remaining Units Burn	Actual Units Burn	Total Units
04/01/2013	Completed Before Outage Project Snapshot			10	10
	Completed Day of Outage Project Snapshot			10	10
	Completed Late on Day 3 of Outage	10	10		10
	Completed as Scheduled on Day 1 of Outage			10	10
	Deleted After Outage Start	10	10		10
	Pre-Outage Spanning into Outage			30	30
	Started before Outage Project Snapshot Spanning into Outage			50	50
04/01/2013 Total		20	20	╋ 110	═ 130

Burn Down Counts

Burn Down Counts Summary

- 2 Baseline Activities remain
- 2 Actual Activities remain

▸ 6 Total Activities (Complete and Remaining)
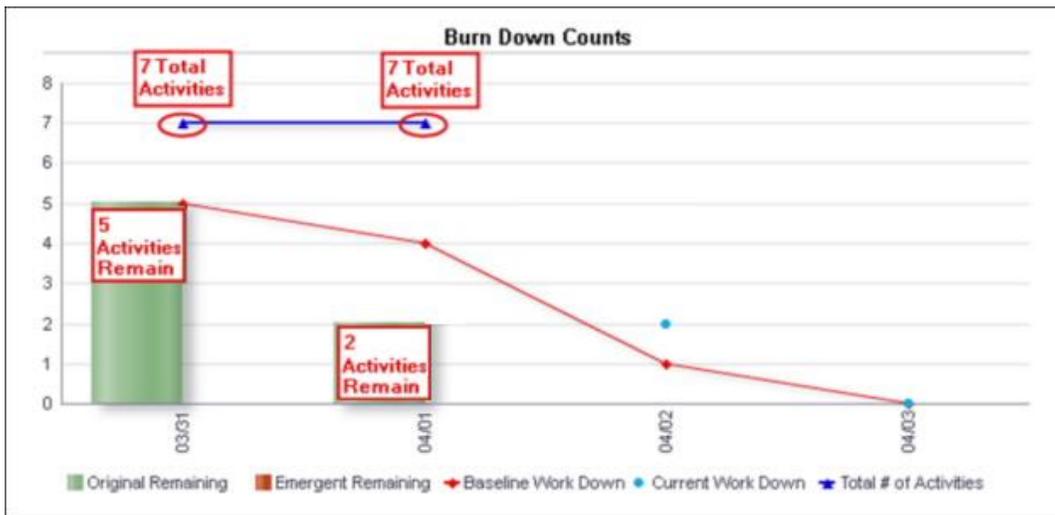
At the time the ETL process is run on 4/01/2013, there are two activities with hours remaining in the schedule. As all of the activities match the plan on 3/31/2013, there are seven Total Activities, which include activities with Remaining Units and all other activities included as of the sys_workdown_date ETL process snapshot.

This table shows a subset of the activity metrics that are summarized in the Burn Down Counts line-bar graph.

Figure 6: Day 1 Burn Down Counts Table

Calendar Date	Activity Name	Baseline Not Started Count	Not Started Count	Baseline In Progress Count	In Progress Count	Baseline Completed Count	Completed Count	Non-Emergent Remaining Count	Scheduled and Completed Count
04/01/2013	Completed Before Outage Project Snapshot								
	Completed Day of Outage Project Snapshot								
	Completed Late on Day 3 of Outage	1	1					1	
	Completed as Scheduled on Day 1 of Outage					1	1		1
	Deleted After Outage Start	1	1					1	
	Pre-Outage Spanning into Outage			1			1		
	Started before Outage Project Snapshot Spanning into Outage			1			1		
04/01/2013 Total		2	2	2	0	1	3	2	1

Day 2 (4/02/2013)

▸ sys_workdown_date: 3/31/2013
▸ Data Date: 4/02/2013
▸ ETL Process Date: 4/02/2013 11:59 p.m.

On Day 2, one activity is marked complete, one activity is started (but not completed as scheduled), and two new activities are added to the schedule to be completed on 4/03/2013. Three activities are left. The Data Date is updated accordingly and the actuals are captured from the schedule in the Burn Down.

Schedule Updates

Figure 7: Day 2 Schedule Updates Graphic

Activity Name	Use Case	Activity Status ▲	Planned Labor Units	Actual Labor Units	Remaining Labor Units	At Completion Labor Units
Emergent Activity A on Day 3 of Outage *New!*	AC7	Not Started	10.00h	0.00h	10.00h	10.00h
Emergent Activity B on Day 3 of Outage *New!*	AC8	Not Started	10.00h	0.00h	10.00h	10.00h
Completed Late on Day 3 of Outage *Late!*	AC6	In Progress	10.00h	24.00h	6.00h	30.00h
Completed Before Outage Project Snapshot	AC1	~~Completed~~	10.00h	10.00h	0.00h	10.00h
Started before Outage Project Snapshot Spanning into Outage	AC2	~~Completed~~	50.00h	50.00h	0.00h	50.00h
Completed Day of Outage Project Snapshot	AC3	~~Completed~~	10.00h	10.00h	0.00h	10.00h
Pre-Outage Spanning into Outage	AC4	~~Completed~~	30.00h	30.00h	0.00h	30.00h
Completed as Scheduled on Day 1 of Outage	AC5	~~Completed~~	10.00h	10.00h	0.00h	10.00h
Deleted After Outage Start	AC9	~~Completed~~	10.00h	10.00h	0.00h	10.00h
					↑ +26 hrs	

▸ Completed Late on Day 3 of Outage - AC6
  ▸ Status: In-progress
  ▸ Actual Units: 24 (24 today)
  ▸ Remaining Units: 6
  ▸ Planned: 10
▸ Emergent Activity A on Day 3 of Outage - AC7
  ▸ Status: Not Started
  ▸ Actual Units: 0
  ▸ Remaining Units: 0
▸ Emergent Activity B on Day 3 of Outage - AC8
  ▸ Status: Not Started
  ▸ Actual Units: 0
  ▸ Remaining Units: 10
▸ Deleted After Outage Start - AC9
  ▸ Status: Complete
  ▸ Actual Units: 10 (10 today)
  ▸ Remaining Units: 0

Burn Down Hours

Burn Down Hours Summary

  ▸ 0 baseline hours remain
  ▸ 6 actual hours remain (from original activities in the schedule)

- ▸ 20 emergent hours remain
- ▸ 170 Total hours (actual and remaining)
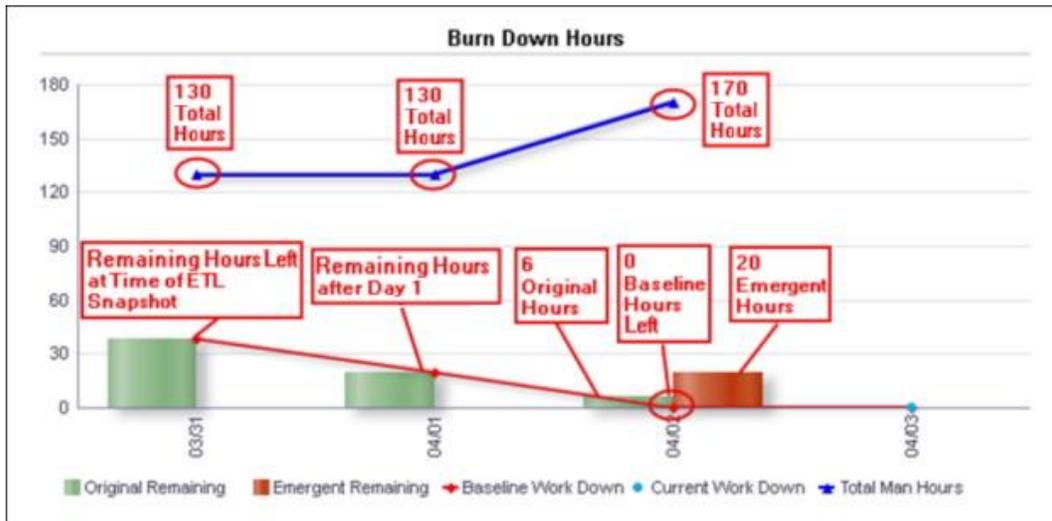
At the time the ETL process is run on 4/02/2013, there are six hours remaining from the late activity with additional units and 20 emergent hours remaining from the activities added to the schedule. There are 170 Total Hours, which is a combination of the Actual Units Burn and Remaining Units Burn. The Baseline Hours are 0, illustrating the deviation from the plan on 3/31.

This table shows a subset of the activity metrics that are summarized in the Burn Down Hours line-bar graph.

Figure 8: Day 2 Burn Down Hours Table

Calendar Date	Activity Name	Baseline Remaining Units Burn	Remaining Units Burn		Actual Units Burn	Total Units
04/02/2013	Completed Before Outage Project Snapshot				10	10
	Completed Day of Outage Project Snapshot				10	10
	Completed Late on Day 3 of Outage		*Late!*	6	24	30
	Completed as Scheduled on Day 1 of Outage				10	10
	Deleted After Outage Start				10	10
	Emergent Activity A on Day 3 of Outage		*Emergent!*	10		10
	Emergent Activity B on Day 3 of Outage		*Emergent!*	10		10
	Pre-Outage Spanning into Outage				30	30
	Started before Outage Project Snapshot Spanning into Outage				50	50
04/02/2013 Total		0		26	+ 144	= 170

Burn Down Counts

Burn Down Counts Summary

- ▸ 1 Baseline Activity remains
- ▸ 1 Actual Activity remains (from original activities in the schedule)
- ▸ 2 Emergent Activities remain

▸ 9 Total Activities (Original and Emergent)
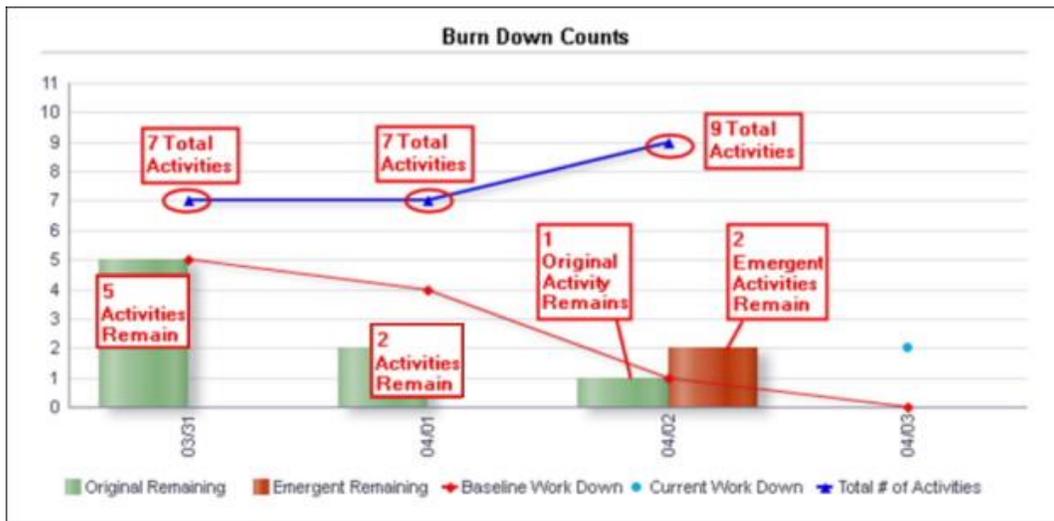
At the time the ETL process is run on 4/02/2013 there are two emergent, one original, and one baseline activity remaining in the schedule. There are nine Total Activities as a result of the two new activities added to the schedule.

This table shows a subset of the activity metrics that are summarized in the Burn Down Counts line-bar graph.

Figure 9: Day 2 Burn Down Counts Table

Calendar Date	Activity Name	Baseline Not Started Count	Not Started Count	Baseline In Progress Count	In Progress Count	Baseline Completed Count	Completed Count	Non-Emergent Remaining Count	Scheduled and Completed Count
04/02/2013	Completed Before Outage Project Snapshot								
	Completed Day of Outage Project Snapshot								
	Completed Late on Day 3 of Outage				1	*Late!* 1		1	
	Completed as Scheduled on Day 1 of Outage								
	Deleted After Outage Start					1	1		*On-Time!* 1
	Emergent Activity A on Day 3 of Outage		*New !* 1						
	Emergent Activity B on Day 3 of Outage		*New !* 1						
	Pre-Outage Spanning into Outage					1			
	Started before Outage Project Snapshot Spanning into Outage				1				
04/02/2013 Total		0	2	1	1	3	1	1	1

Day 3 (4/03/2013)

▸ sys_workdown_date: 3/31/2013
▸ Data Date: 4/03/2013

▸ ETL Process Date: 4/03/2013 11:59 p.m.

On Day 3, one activity is deleted. The late activity and two emergent activities are completed. Zero activities now remain. The Data Date is updated accordingly and the actuals are captured from the schedule in the Burn Down.

Schedule Updates

Figure 10: Day 3 Schedule Updates Graphic

▸ Emergent Activity B on Day 3 of Outage - AC6

   ▸ Status: Complete

   ▸ Actual Units: 10

   ▸ Remaining Units: 0

▸ Emergent Activity A on Day 3 of Outage - AC7

   ▸ Status: Complete

   ▸ Actual Units: 30 (6 today)

   ▸ Remaining Units: 0

▸ Emergent Activity A on Day 3 of Outage - AC8

   ▸ Status: Complete

   ▸ Actual Units: 10

   ▸ Remaining Units: 0

▸ Deleted After Outage Start - AC9

   ▸ Status: X - Deleted

Burn Down Hours

Burn Down Hours Summary

   ▸ 0 Baseline Hours remain

   ▸ 0 Actual Hours remain (from original activities in the schedule)

   ▸ 0 Emergent Hours remain

- ▸ 170 Total Hours (Actual and Remaining)
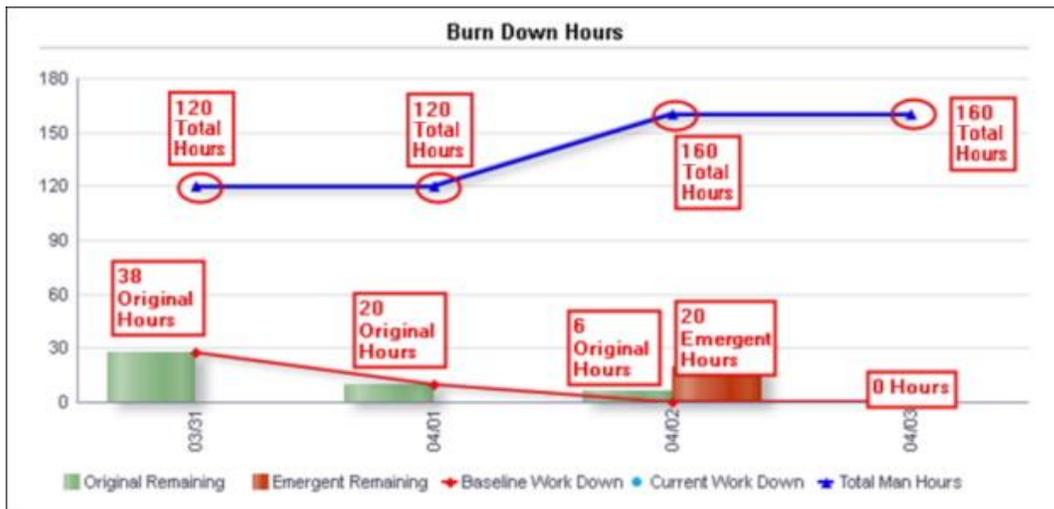
At the time the ETL is run on 4/3/2013, all activities are completed and 0 hours remain in the schedule. There are 160 Total Hours, due to the deletion of one 10 hour activity from the schedule. The Burn Down is now complete.

This table shows a subset of the activity metrics that are summarized in the Burn Down Hours line-bar graph.

Figure 11: Day 3 Burn Down Hours Table

Calendar Date	Activity Name	Baseline Remaining Units Burn	Remaining Units Burn	Actual Units Burn	Total Units
04/03/2013	Completed Before Outage Project Snapshot			10	10
	Completed Day of Outage Project Snapshot			10	10
	Completed Late on Day 3 of Outage			30	30
	Completed as Scheduled on Day 1 of Outage			10	10
	Emergent Activity A on Day 3 of Outage			10	10
	Emergent Activity B on Day 3 of Outage			10	10
	Pre-Outage Spanning into Outage			30	30
	Started before Outage Project Snapshot Spanning into Outage			50	50
04/03/2013 Total		0	0	160	160

Burn Down Counts

Burn Down Counts Summary

- ▸ 0 Baseline Activities remain
- ▸ 0 Actual Activities remain
- ▸ 0 Emergent Activities remain

▸ 6 Total activities (Original and Emergent)

At the time the ETL process is run on 4/03/2013, there are zero activities remaining in the schedule. There are eight Total Activities as a result of the activity deleted from the schedule.

This table shows a subset of the activity metrics that are summarized in the Burn Down Counts line-graph.

Figure 12: Day 3 Burn Down Counts Table

Calendar Date	Activity Name	Baseline Not Started Count	Not Started Count	Baseline In Progress Count	In Progress Count	Baseline Completed Count	Completed Count	Non-Emergent Remaining Count	Not Scheduled and Completed Count
04/03/2013	Completed Before Outage Project Snapshot								0
	Completed Day of Outage Project Snapshot								0
	Completed Late on Day 3 of Outage							1	1
	Completed as Scheduled on Day 1 of Outage								0
	Deleted After Outage Start								0
	Emergent Activity A on Day 3 of Outage							1	1
	Emergent Activity B on Day 3 of Outage							1	1
	Pre-Outage Spanning into Outage								0
	Started before Outage Project Snapshot Spanning into Outage						1		0
04/03/2013 Total		0	0	0	0	1	3	0	3

Unscheduled Activities that were completed today

For More Information

In This Section

Where to Get Documentation

For the most up-to-date versions of all manuals and technical documents related to installing, administering, and using P6 Analytics, go to:

http://download.oracle.com/docs/cd/E49048_01/index.htm

Most documentation assumes a standard setup of the product, with full access rights to all features and functions.

You can also access the versions of the product manuals and technical documents that were available at the time of the release from the P6 Analytics Documentation Center, located in the \Documentation\Documentation_library*language* folder of the P6 Analytics physical media or download.

The following table describes the core documents available for P6 Analytics and lists the recommended readers by role.

Title	Description
What's New in P6 Analytics	This guide highlights the new and enhanced features included in this release. You can also use the *Cumulative Feature Overview Tool* to identify the features that have been added since a specific release level. All users should read this guide.
P6 Analytics and P6 Reporting Database Planning and Sizing Guide	This guide details how to plan your installation and ensures you have the necessary technical specifications to successfully install P6 Analytics and P6 Reporting Database. It also includes checklists for P6 Analytics and P6 Reporting Database to help guide you through the installation. All administrators should read this guide.

Title	Description
P6 Analytics and Star Database Installation and Configuration Guide	This guide gives step-by-step instructions for installing and configuring P6 Analytics and the Star database portion of P6 Reporting Database. All administrators should read this guide.
P6 Reporting Database for ODS Installation and Configuration Guide	This guide explains how to install and configure the ODS portion of P6 Reporting Database. It describes how to install and configure the Oracle Gateway if the P6 Reporting Database is installed on a Microsoft SQL Server. It also provides information about how to run the Configuration Utility and configure P6 Reporting Database with BI Publisher. All administrators should read this guide.
P6 Analytics Post Installation Administrator's Guide	This guide provides information about P6 Analytics administrative tasks. It also includes information for Star security configuration, OBI installation and configuration, Financial Periods installation and configuration, and for configuring the Secure Sockets layer. All administrators should read this guide.
P6 Analytics Reference Manual	This manual has examples of sample dashboards and Burn Down activity use cases. It also tells users how to get started with P6 Analytics. All non-administrator users should read this guide.
P6 EPPM and P6 Analytics 3.2 System Architecture Data Sheet	The data sheet provides information on P6 EPPM, P6 Analytics, and P6 Reporting Database. It also provides a diagram to show how all products work together. All administrators should read this guide.
Security Guidance for P6 Analytics and P6 Reporting Database	This guide enables you to plan your security strategy for P6 Analytics and P6 Reporting Database. It includes information on safe deployments, authentication options, and specific security settings for the Star and ODS database. All administrators should read this guide.
Tested Configurations	Lists the configurations that have been tested and verified to work with P6 Analytics. The network administrator/database administrator and P6 Analytics administrator should read this document.

Distributing Information to the Team

You can copy the online documentation to a network drive for access by project participants. Each team member can then view or print those portions that specifically relate to his or her role in the organization.

Throughout this documentation, the Security Guidance icon ![icon] helps you to quickly identify security-related content to consider during the installation and configuration process.

Where to Get Training

To access comprehensive training for all Primavera products, go to:

http://education.oracle.com

Oracle Learning Library

The Oracle Learning Library (OLL) provides online learning content covering Primavera products. Content includes videos, tutorials, articles, demos, step-by-step instructions to accomplish specific tasks, and self-paced interactive learning modules.

To access the learning library's Primavera content, go to:

http:/www.oracle.com.goto/oll

Where to Get Support

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/us/support/contact-068555.html or visit http://www.oracle.com/us/corporate/accessibility/support/index.html if you are hearing impaired.

Using Primavera's Support Resource Centers

Primavera's Support Resource Center provides links to important support and product information. Primavera's Product Information Centers (PICs) organize documents found on My Oracle Support (MOS), providing quick access to product and version specific information such as important knowledge documents, Release Value Propositions, and Oracle University training. PICs also offer documentation on Lifetime Management, from planning to installs, upgrades, and maintenance.

Visit https://support.oracle.com/epmos/faces/DocumentDisplay?id=1486951.1 to access links to all of the current PICs.

PICs also provide access to:

▶ **Communities** which are moderated by Oracle providing a place for collaboration among industry peers to share best practices.
▶ **News** from our development and strategy groups.
▶ **Education** via a list of available Primavera product trainings through Oracle University. The Oracle Advisor Webcast program brings interactive expertise straight to the desktop using Oracle Web Conferencing technology. This capability brings you and Oracle experts together to access information about support services, products, technologies, best practices, and more.

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