Oracle
Primavera Analytics
Reference Guide

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Oracle Primavera Analytics Reference Guide

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Contents

Getting Started

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

The samples are intended to provide you with a general understanding of Primavera Analytics and Oracle Analytics Server (OAS). You can use these samples to customize both content and layout to your specific requirements.

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

For P6 EPPM, see the *P6 Data Dictionary* available with your version of P6 for information on P6 fields. See the P6 EPPM documentation for information on using or configuring P6 to gather sufficient data for Primavera Analytics.

For Primavera Unifier, refer to the *Unifier Reference Guide* for information on Primavera Unifier fields. Refer to the Primavera Unifier documentation for information on using or configuring Primavera Unifier to gather sufficient data for Primavera Analytics.

For Oracle Primavera Cloud, see the *Oracle Primavera Cloud Data Dictionary* available for information on Primavera Cloud fields.

Within our documentation, some content might be specific for cloud deployments while other content is relevant for on-premises deployments. Any content that applies to only one of these deployments is labeled accordingly.

In This Section

About Oracle Primavera Analytics

Oracle Primavera Analytics provides an in-depth and comprehensive method for analyzing and evaluating facilities and real estate management, project performance, project history, resource assignments and utilization, business processes, cash flows, and cost sheets.

Built on Oracle Analytics Server (OAS), Primavera Analytics delivers a catalog of analyses that provide an interactive way of viewing, analyzing, and evaluating P6 EPPM and Primavera Unifier data. In addition, Primavera Analytics provides a repository definition that contains the data mappings between the physical data and the presentation layer of OAS.

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

Use Primavera 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.
- Drill down from aggregated metrics to examine the root-cause of a problem.
- Make better decisions to eliminate project failure.
- Quickly visualize critical project performance in early stages.
- Identify and predict cost sheet and cash flow trends early in the project life cycle.
- Gain visibility into resource performance through s-curve analysis.
- Show staffing needs by portfolio with early warning indicators for upcoming under-staffed project work.
- Roll-up business processes to understand trends and trends by various dimensions.
- Use geospatial visualization to view project, activity, and resource data metrics by geographic location with full drill-down capabilities.

Primavera Analytics provides a repository definition to use with OAS. The repository definition contains:

- A physical representation of Primavera Data Warehouse.
- A business layer to perform customized calculations.
- A presentation layer that groups all the calculated business layer fields into logical subject areas.

The repository definition delivers an extensive list of key performance indicators (KPIs) from both P6, Primavera Unifier, and P6 EPPM. Depending on the data source, this list includes (but is not limited to) Earned Value, Costs, Units, Percent Completes, Counts, Business Processes, Lean, Resource Assignment, Schedule Health, Cash Flow, and Cost Sheets. It also enables data to be sliced by various dimensions, including time, EPS, portfolios, projects, activities, resources, project hierarchies, cost breakdown structures, and business processes.

Primavera Analytics delivers a sample dataset, consisting of Primavera Data Warehouse 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.

About Consent Notices

Consent notices alert you to the need to protect personal information (PI). You and your organization might be collecting, processing, storing, and transmitting PI while using Analytics. When you accept a consent notice in a source application such as P6 EPPM or Unifier, your consent covers the collection, processing, storing, and transmission of PI data, and means of retrieving data including but not limited to project export, downloaded tables, reports, documents, web services, and API. If you refuse consent in the source application you might not be able to access some areas of Analytics.

You may be asked to provide consent to show that you understand the need to treat PI as secure data. You may also be asked to provide consent for your organization to collect, process, store and transmit your PI. If you refuse consent you will be denied access to the source application and Analytics.

You can withdraw your consent at any time within a source application.

About Personal Information

Personal information (PI) is any piece of data which can be used on its own or with other information to identify, contact, or locate an individual in context. The information is not limited to a person's name, address and contact details. For example, a person's IP address, phone IMEI number, gender, and location at a particular time could all be personal information. Depending on local data protection laws, organizations may be responsible for ensuring the privacy of PI wherever it is stored, including in back-ups, locally stored downloads, and data stored in development environments.

Caution: Personal information (PI) may be at risk of exposure. Depending on local data protection laws organizations may be responsible for mitigating any risk of exposure.

Cookies Usage in Primavera Analytics and Primavera Data Warehouse

When using Primavera Analytics and Primavera Data Warehouse, the server may generate cookies and send them to the user’s browser. The user’s machine stores the cookies, either temporarily by the browser, or permanently until they expire or are removed manually.

Oracle might use cookies for authentication, session management, remembering application behavior preferences and performance characteristics, and to provide documentation support.

Also, Oracle might use cookies to remember your login details, collect statistics to optimize site functionality, and deliver marketing based on your interests.

Prerequisites to Use Primavera Analytics

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

- P6 EPPM or Primavera Unifier must be installed.

- Publishing must be switched on in P6 and Primavera Unifier.
- You must have module access to Primavera Analytics in P6 and Primavera Unifier.
- You must be an OAS user.
- Your OAS user name must match your P6 user name and your Primavera Unifier user name.
- The catalog must be installed.
- The ETL process must be run to update the Analytics data.

  For cloud service, run the StarETL process.

  For on-premises installations, run either the PL/SQL-based or ODI-based StarETL process.

  Run Setup.sh/setup.bat before running the ETL to create the staruser. Work with your administrator to determine the optimal time to run this process.

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

Importing CA Certificate for DVD Client

If the DVD client does not have the CA certificate in it's keystore, you will need to manually import the CA certificate on the machine running the client as follows:

1) Open a browser and connect to Primavera Analytics.
2) In the URL, click on the **lock** icon.
3) Click on the **>** right-arrow and then click **More Information**.
4) In the **Security** tab, click **View Certificate**.
5) In the **Details** tab, click **Export...**.
6) Follow the steps to export the certificate.
7) Once certificate is downloaded:
   a. Open the command prompt as an administrator.
   b. Change the current working directory to the JRE keystore location.

      For example, `cd C:\Program Files\Oracle Data Visualization Desktop\OracleBI1\jdk\jre\lib\security`

   c. Type the following to import the CA certificate:

      ```
      "C:\Program Files\Oracle Data Visualization
      Desktop\OracleBI1\jdk\jre\bin\keytool" -import -trustcacerts -alias
      $userdefined -file $path+keystorename -keystore "C:\Program
      Files\Oracle Data Visualization
      Desktop\OracleBI1\jdk\jre\lib\security\cacerts" -storepass changeit
      ```

About Analyses

Analyses are queries against data (for example, P6 EPPM, Primavera Unifier data, or Oracle Primavera Cloud) that allow you to evaluate the information. Analyses let you explore and interact with information by visually presenting data in tables, charts, 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 OAS Presentation Catalog and integrate them into any OAS dashboard. You can enhance analyses through features such as compounded views, calculated items, and drilling.

Watch the following videos to create detailed analyses:

- Creating an Analysis Video
- Filtering an Analysis Video
- Adding a Graph to an Analysis Video

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 OAS 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. To choose a subject area, select **New**, **Analysis**, and then **Select Subject Area** from the list.

Oracle Primavera Cloud Data

Primavera Analytics uses Oracle Primavera Cloud data for the following subject areas:

- Primavera Cloud - 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 Cloud - Lean Task

  Use this subject area to analyze task commitments, completion, percent complete and reason, if any, for missing commitments.
- Primavera Cloud - 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 Cloud - Resource Assignment

  Use this subject area to to analyze resource assignment details for units and hours.
- Primavera Cloud - Schedule Health

  Use this subject area to analyze schedule health metrics aggregated for all projects.
- Primavera Cloud - Risk

Use this subject area to analyze risk data at the project level. The data can be aggregated and displayed with its associated Project, Workspace, and Risks.

P6 EPPM Data

Primavera Analytics uses P6 EPPM data for the following subject areas:

- 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, weekly, or monthly activity level history, including changes to both facts and dimensions, to better understand changes over time. This subject area requires project-specific configuration in P6.
- Primavera - Activity Period Actuals

  Use this subject area to analyze activity period actuals over a period of time.
- 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 better 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 Period Actuals

  Use this subject area to analyze resource period actuals over a period of time.

- 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 - Role Utilization

  Use this subject area to analyze role utilization details for resources.
- Primavera - Spread Snapshot History

  Use this subject area to analyze how your data will appear at different points in time by creating a snapshot at different time intervals, for comparison purposes.
- 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.
- System - Admin

  Use this subject area to analyze all the details of your ETL process, from query run times to the amount of data that is processed during each ETL run.

Primavera Unifier Data

Primavera Analytics uses Primavera Unifier data for the following subject areas:

- Primavera - Business Process

  Use this subject area to analyze cost and non-cost line items in business processes.
- Primavera - Business Process History

  Use this subject area to analyze weekly historical business process facts to better understand changes over time. Note that dimensional business process history is not supported.
- Primavera - Cash Flow

  Use this subject area to analyze WBS shell-level cash flows and commitment-level cash flows. You can map columns to predefined WBS shell-level cash flow curves and commitment level cash flow curves respectively. Ten generic columns are included to support cash flow curves.
- Primavera - Cash Flow History

  Use this subject area to analyze weekly historical cash flow facts and commitment level cash flow facts to better understand changes over time. Note that dimensional cash flow history is not supported.
- Primavera - Cost Sheet

Use this subject area to analyze cost sheets. You can map your data source to a predefined list of cost sheet columns. Twenty generic columns are included to support mapping of additional data sources from the cost sheet.

- Primavera - Cost Sheet History

  Use this subject area to analyze weekly historical cost sheet facts to better understand changes over time. Note that dimensional cost sheet history is not supported.

- Primavera Earned Value Management (Unifier)

  Use this subject area to analyze a project's planned value, earned value, actual costs, and the estimated cost at completion.

- Primavera - Generic Cost Sheet

  Use this subject area to analyze cost-related activities for a generic cost sheet. You can capture and view cost transaction information based on a timescale, such as quarterly or yearly.

- 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.

  > **Note**: A Shell must be mapped to a UDF of *Numeric* data type in Unifier Analytics to ensure the data will be available as a Fact in this subject area of Analytics.

- Primavera - Project User Defined Fields History

  Use this subject area to analyze historical project UDF data for cost, integer, or number types facts to better understand changes over time.

  > **Note**: A Shell must be mapped to a UDF of *Numeric* data type in Unifier Analytics to ensure the data will be available as a Fact in this subject area of Analytics.

- Primavera - Resource Cost Summary

  Use this subject area to analyze resource cost information sourced from P6 Summary Sheet data stored in Primavera Unifier. Analyze cost and performance data by project hierarchy, cost breakdown structure, and resource down to the daily level.

- Primavera - Space Management

  Use this subject area to analyze space utilization for Facilities and Real Estate data from Primavera Unifier.

- Primavera - Space Management History

  Use this subject area to analyze space utilization over time for Facilities and Real Estate data from Primavera Unifier.

- System - Admin

  Use this subject area to analyze all the details of your ETL process, from query run times to the amount of data that is processed during each ETL run.

About Dashboards

Dashboards enable you to view various types of information quickly and easily. They can be made up of one or more pages, each of which can display various components of the OAS 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.

Primavera Analytics includes several dashboards in the sample catalog. Use the sample dashboards as starting points to create custom dashboards and analyses that are tailored to your business needs. The power of Primavera Analytics is the ability to easily generate specific content for every user or role.

You can also view and edit a dashboard. For a quick lesson, watch this video on Viewing and Editing Dashboards.

The following dashboards are included in the sample catalog:

- The **Main** 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.
- The **Admin** dashboard shows details about the ETL process and Primavera Data Warehouse database configuration. This data is not in any of the Primavera Analytics subject areas, so it is obtained via direct SQL against the Primavera Data Warehouse database.
- The **More** dashboard contains the **Advanced Analytics** and **d3** dashboards. The analyses on these dashboards contain components and technologies that are considered optional within Oracle Business Intelligence. Use these advanced dashboards to manipulate data into visual representations of your analyses. For more information, consult the *Primavera Data Warehouse Installation and Configuration Guide* for instruction on how to install and configure these optional components.

P6 EPPM Data

- The **Portfolio Analysis** dashboard contains important portfolio information based on project performance, project costs, risks and rewards by project, strategic objectives, and multiple ratings of project codes.
- The **Project Earned Value** dashboard gives an overview of the earned value status of your projects, including Schedule Performance Index (SPI) and Cost Performance Index (CPI).
- The **Project Health** 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.
- The **Resource Analysis** dashboard shows the status and usage of roles and resources, measures team progress and productivity, and tells you which roles and resources are underutilized.
- The **Industry Samples** dashboard shows daily burn down, performance, work planning, and schedule compliance for industry related activities.

Primavera Unifier Data

- The **Business Processes** dashboard enables you to view business process data, including business process overview analyses, business process data by geographic location, and business process history analyses.
- The **Cash Flow** dashboard enables you to view cash flow data, including comparisons of actuals vs. forecast and forecast vs. baseline, cash flow data by geographic location, and cash flow history analyses.
- The **Cost Sheet** dashboard enables you to view cost data, including a comparison of original and revised budget details, and cost history analyses.
- The **Cost Summary** dashboard enables you to view cost summaries, including cost breakdowns and budget details.
- The **Facilities and Real Estate** dashboard enables you to view space management data from Primavera Unifier.
- The **Workflow** dashboard enables you to view workflow data, including workflow completion schedules, ownership, and progress.

Combined Data

- The **Project Performance Measurement** dashboard combines P6 and Unifier data sources.

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 OAS and Navigating to Dashboards

To access the sample dashboards:

1) Upload the catalog and RDP file for the corresponding version.
2) Enter the URL for OAS in a web browser.
3) Enter your **User ID** and **Password** for OAS.

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

4) In the navigation pane, select **Catalogs**, and then select **Shared Folders**.
5) Select the dashboard you want to open.

Editing Sample Analyses

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

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

To edit a sample analysis in OAS:

1) In the left navigation pane, click **Catalog** .

2) In the **Shared Folders**, select any of the following folders**:**
   - **Primavera**: Select for P6 EPPM and Unifier dashboards.
   - **Oracle Primavera Cloud**: Select for Oracle Primavera Cloud dashboards.
3) Select the **Dashboard** folder, and then click a dashboard.
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 a new analysis in OAS:

1) Click **Create**, and then select **Workbook**.
2) In the **Add Dataset** window, select the **Datasets** or the **Subject Area** tab.
3) Select the datasets or subject areas you will use for this analysis and then click **Add to Workbook**.
4) In the **Visualize** pane:
   - Add columns and filters as necessary to the subject area / datasets.
   - Select Visualization types to display the data as bar graphs, pie charts etc.
   - Manage conditional formatting rules and sort the data.
   - Click **Save** to apply all the changes to your visualization.
5) In the **Present** pane, select the canvases created in the Visualize pane to present your analysis.
6) In the **Save As** dialog box, select a location for the new analysis and give it a name.

Sample Primavera Dashboards

Primavera Analytics includes several dashboards in the sample catalog. Use the sample dashboards as starting points to create custom dashboards and analyses that are tailored to your business needs. The power of Primavera Analytics is the ability to easily generate specific content for every user or role.

In This Section

Main Dashboard

The Main dashboard uses data from P6 EPPM and Primavera Unifier.

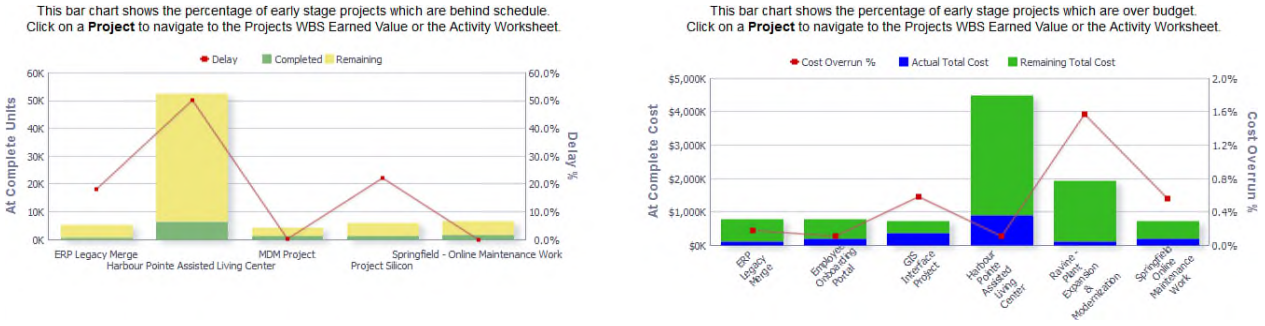
This dashboard provides high level insight into schedule progress, costs, and risks. You can find information here about the progress of early stage projects, the percentage of overallocated resources, and world maps showing the distribution of costs and risks.

Overview Page

This page gives overview information about budget and schedule. It contains the following narratives:

- **Overall Cost Variance** 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.
- **Early Stage Projects over Budget** 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.
- **Early Stage Projects behind Schedule** 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.
- **Resources overallocated** 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 stacked line-bar chart on the left displays the early stage projects that are behind schedule. The x-axis shows project names. The y-axis for the bars (left) shows At Complete Units. The y-axis for the line (right) shows Delay percentage.

The stacked line-bar chart on the right displays the projects that are overbudget. The x-axis shows project names. The y-axis for the bars (left) shows At Complete Cost. The y-axis for the line (right) shows Cost Overrun percentage.

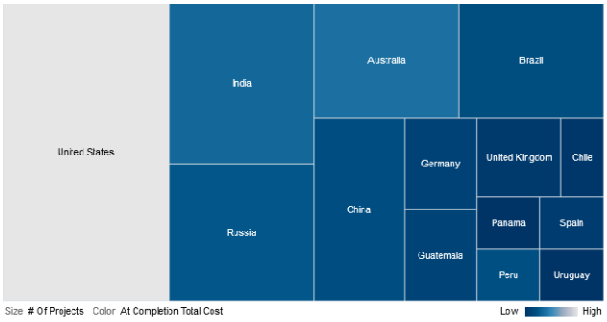
Location

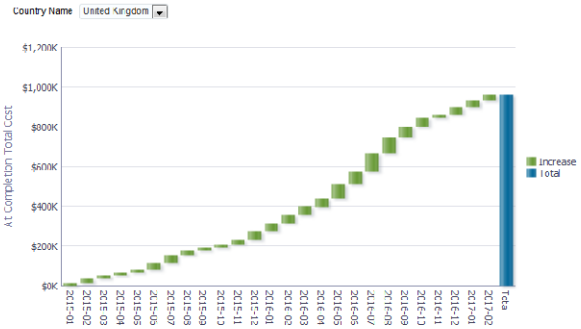
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Main**.
3) On the **Main** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Early Stage Projects behind Schedule** section.

Subject Area

Activity

At Completion Cost Summary Section





Purpose

The tree map shows the relative number of projects by country.

The waterfall chart shows At Completion Total Cost amounts for the selected country.

The x-axis shows months. The y-axis shows the amounts.

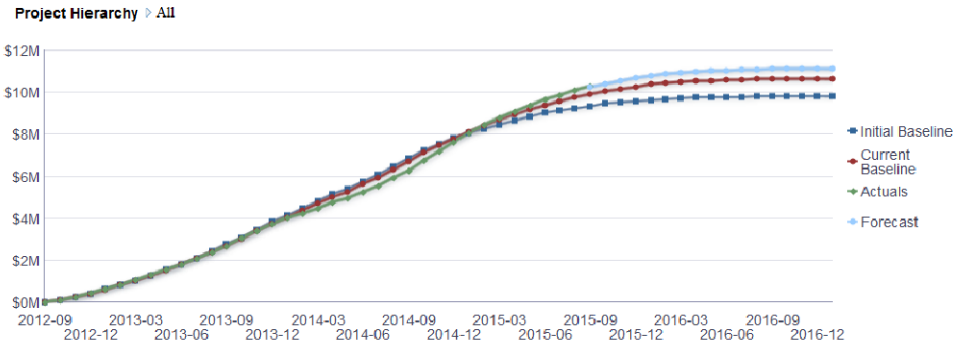
Location

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 **At Completion Cost Summary** section.

Subject Area

Activity

Cash Flow Summary by Project Section



Use the **right-click** mouse menu in the Project Hierarchy table below to filter data (e.g., **Keep Only**). Filtering the hierarchy table automatically updates the Cash Flow Summary table and chart. To return to the default view, select **Clear My Customization** from the Dashboard's **Page Options** drop-down menu.

Project Hierarchy
All
All Initiatives
Groupo ADS
Millennium Corporation

	Periodic				Cumulative			
Year Name	Initial Baseline	Current Baseline	Actuals	Forecast	Initial Baseline	Current Baseline	Actuals	Forecast
2012	$419,659	$412,838	$421,175	$427,880	$419,659	$412,838	$421,175	
2013	$3,402,052	$3,317,005	$3,315,304	$3,394,757	$3,821,711	$3,729,843	$3,736,478	
2014	$3,980,838	$4,053,909	$3,913,218	$4,012,845	$7,802,549	$7,783,752	$7,649,696	
2015	$1,783,595	$2,489,098	$2,655,193	$2,831,801	$9,586,144	$10,272,850	$10,304,889	$10,667,282
2016	$206,139	$381,326	$0	$466,267	$9,792,283	$10,654,176		$11,133,549
2017	$0	$0	$0	$10,000	$9,792,283	$10,654,176		$11,143,549

Purpose

The line graph shows lines for:

- Initial Baseline (Cumulative)
- Current Baseline (Cumulative)
- Actuals (Cumulative)
- Forecast (Cumulative)

The x-axis shows months. The y-axis shows cash flow values.

The pivot table contains columns for:

- Year Name
- Periodic
  - Initial Baseline
  - Current Baseline
  - Actuals
  - Forecast
- Cumulative
  - Initial Baseline
  - Current Baseline
  - Actuals
  - Forecast

Right-click on Project Hierarchy elements in the Project Filter pivot table and select **Keep Only** to filter the contents of the pivot table and line graph.

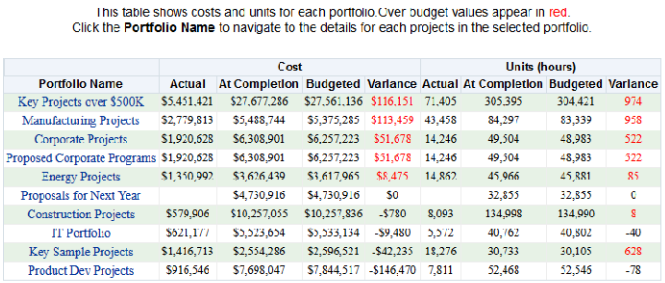
Location

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 **Cash Flow Summary by Project** section.

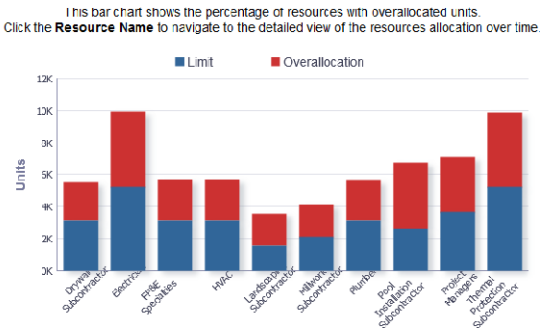
Subject Area

Activity

Portfolio Summary Section


This table shows costs and units for each portfolio.Over budget values appear in red.
Click the **Portfolio Name** to navigate to the details for each projects in the selected portfolio.

	Cost				Units (hours)			
Portfolio Name	Actual	At Completion	Budgeted	Variance	Actual	At Completion	Budgeted	Variance
Key Projects over $500K	$5,451,421	$27,677,286	$27,561,136	$116,151	71,405	305,395	304,421	974
Manufacturing Projects	$2,779,813	$5,488,744	$5,375,285	$113,459	43,458	84,297	83,339	958
Corporate Projects	$1,920,628	$6,308,901	$6,257,223	$51,678	14,246	49,504	48,983	522
Proposed Corporate Programs	$1,920,628	$6,308,901	$6,257,223	$51,678	14,246	49,504	48,983	522
Energy Projects	$1,350,992	$3,626,439	$3,617,965	$8,475	14,852	45,966	45,881	85
Proposals for Next Year		$4,730,916	$4,730,916	$0		32,855	32,855	0
Construction Projects	$579,906	$10,257,055	$10,257,836	-$780	8,093	134,998	134,990	8
IT Portfolio	$621,177	$3,323,634	$3,333,114	-$9,480	5,572	40,762	40,802	-40
Key Sample Projects	$1,416,713	$2,554,286	$2,596,521	-$42,235	18,276	30,733	30,105	628
Product Dev Projects	$916,546	$7,698,047	$7,844,517	-$146,470	7,811	52,468	52,545	-78



Purpose

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

The pivot table contains columns for:

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

The 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 **Main**.

3) On the **Main** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Portfolio Summary** section.

Subject Area

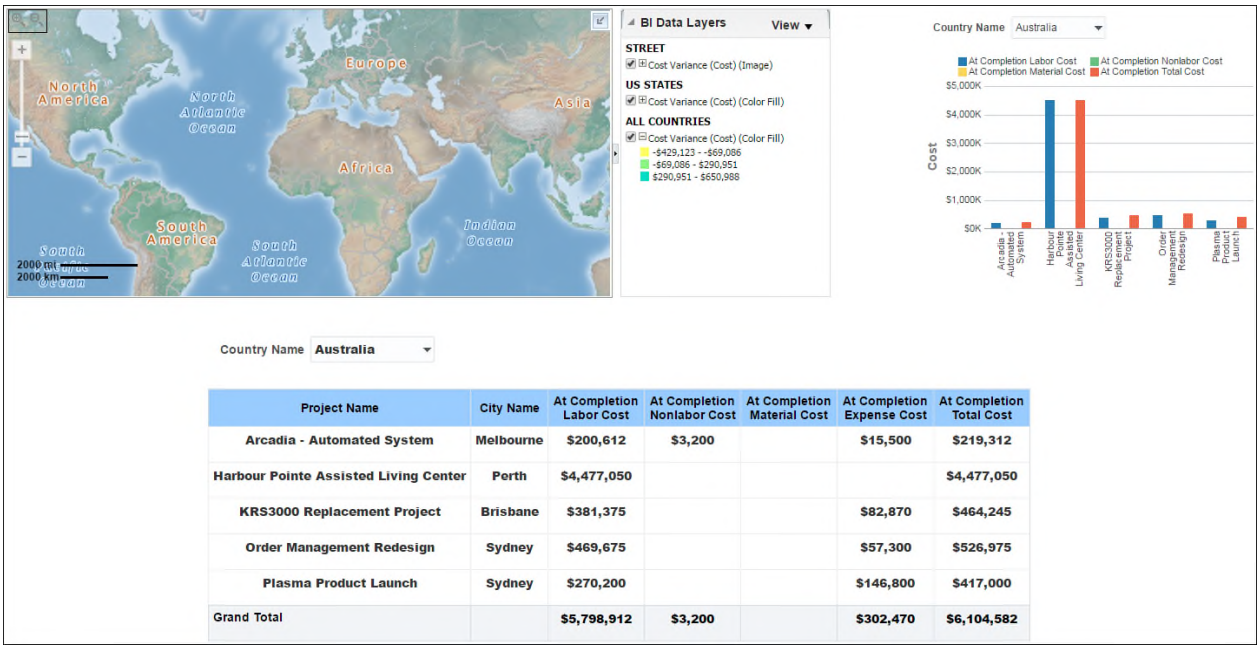
Activity

Location Page

This page provides cost information based on country code. It contains the following narratives:

- **Highest At Completion Total Cost** shows the cost amount for the country with the highest at completion total cost.
- **Highest Earned Value Cost** shows the cost amount for the country with the highest earned value cost.
- **Lowest Earned Value Cost** shows the cost amount for the country with the lowest earned value cost.
- **Highest Cost Performance Index** shows the index number for the country with the highest cost performance index.
- **Lowest Cost Performance Index** shows the index number for the country with the lowest cost performance index.

Completion Cost by Location Section



Project Name	City Name	At Completion Labor Cost	At Completion Nonlabor Cost	At Completion Material Cost	At Completion Expense Cost	At Completion Total Cost
Arcadia - Automated System	Melbourne	$200,612	$3,200		$15,500	$219,312
Harbour Pointe Assisted Living Center	Perth	$4,477,050				$4,477,050
KRS3000 Replacement Project	Brisbane	$381,375			$82,870	$464,245
Order Management Redesign	Sydney	$469,675			$57,300	$526,975
Plasma Product Launch	Sydney	$270,200			$146,800	$417,000
Grand Total		$5,798,912	$3,200		$302,470	$6,104,582

Purpose

The 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 bar graph.

The 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 contains 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

The 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.

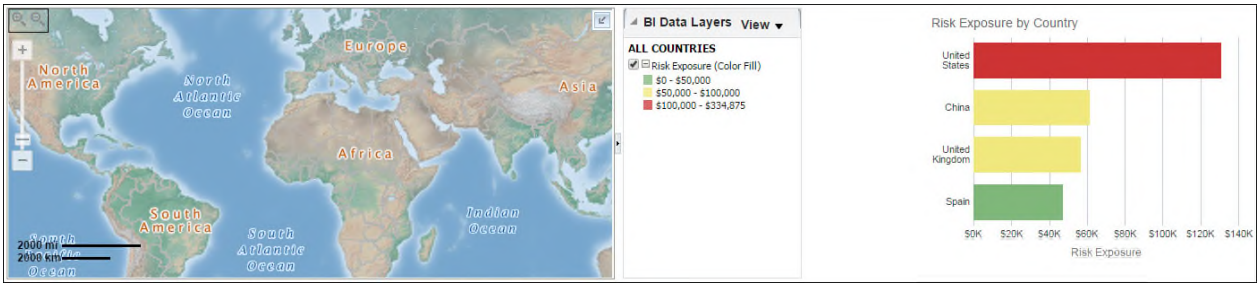
Subject Area

Activity

Risk Page

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

Risk Exposure by Location Section



Purpose

The map shows total risk exposure by country code.

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

The 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 Area

Project History

Detailed Risk by Location Section

Project Id	Project Risk Score	Project Risk Exposure	Risk Name	Risk Type	Risk Status	Owner	Risk Score	Risk Exposure	Exposure Start	Exposure Finish	Link to Risks
PROD00414	42	$61,563	Client / User Involvement	Threat	Open	Harry Shaw	7.00	$3,750	7/25/2016	10/21/2016	Project Risks
			External Business Impacts	Threat	Open	Larry West	3.00	$2,188	5/2/2016	10/21/2016	Project Risks
			Poor market feedback	Threat	Proposed	Sam Rickels	5.00	$4,688	10/21/2016	12/9/2016	Project Risks
			Product Scope Creep	Threat	Open	Larry West	9.00	$28,125	5/9/2016	7/25/2016	Project Risks
			Product/Technological Complexity	Threat	Open	Harry Shaw	7.00	$14,063	5/9/2016	10/21/2016	Project Risks
			Sales Management Buy-in	Threat	Open	Peg Ithan	1.00	$0	5/2/2016	5/30/2016	Project Risks
			Staff Turnover	Threat	Open	Frank Hill	5.00	$2,188	5/30/2016	6/20/2016	Project Risks
			Unrealistic Expectations	Threat	Open	Frank Hill	5.00	$6,563	5/9/2016	6/20/2016	Project Risks

Purpose

The pivot table shows detailed risk information for the country selected in the Country Name prompt, broken down by project ID. The pivot table contains columns for:

- Country Name

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

The funnel chart shows open versus total risks by country code, with conditional formatting based on the percentage of risks that are open. Red denotes greater than 70% open risks, yellow between 50% and 70% and green less than 50% open risks.

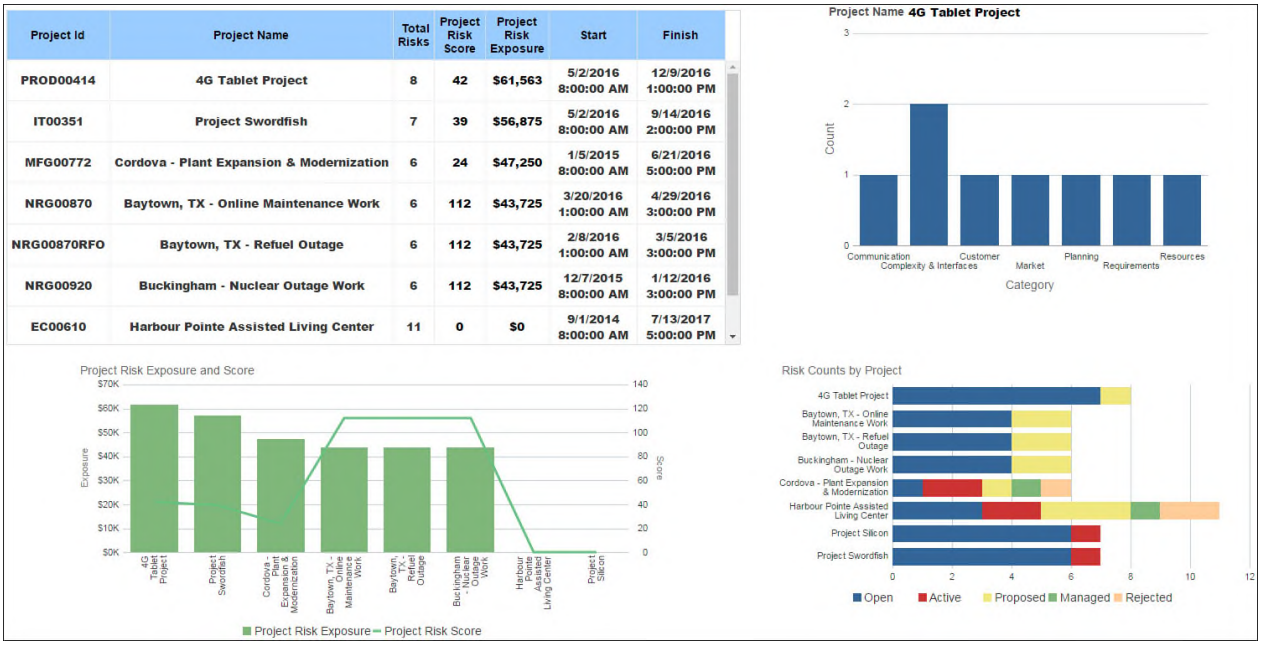
Location

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 Area

Activity

Detailed Risk by Project Section



Purpose

The table shows risk information by project. The table contains columns for:

- Project ID
- Project Name
- Total Risks
- Project Risk Score
- Project Risk Exposure
- Project Start Date
- Project Finish Date

The bar chart shows risk counts by project and uses master-detail linking to display the counts for a project based on the Project Name that is clicked on in the table. The counts are by Cost Category.

The stacked bar chart shows the risk counts by project. The bar color is based on the Risk Status.

The line-bar chart shows the Risk Score and Risk Exposure by project.

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 Project** section.

Subject Area

Activity

Business Processes Dashboard

The Business Process dashboard uses data from Primavera Unifier.

It gives you an enterprise view across your business processes by enabling you to analyze your business process data, including amounts, counts, and quantities. You can easily slice the data by various dimensions, including vendor, portfolio, and cost breakdown structure and drill down to line item granularity.

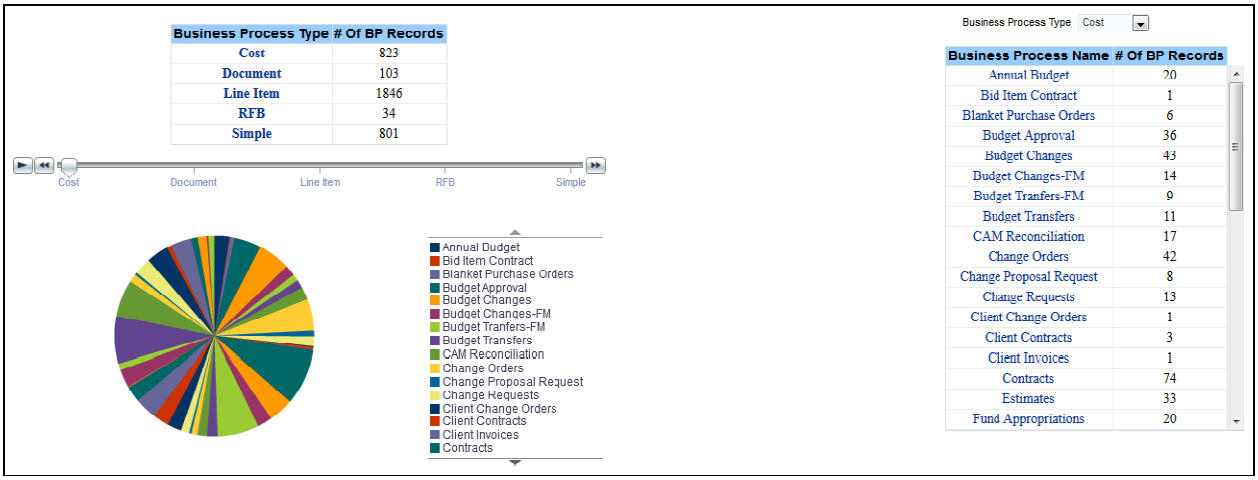
Primavera Analytics supports the following Unifier picker and data picker elements which can be configured in the Unifier > Administration Mode > Analytics > Business Processes option:

- BP Picker
- User Picker
- Shell Picker
- Space Picker
- BP Data Picker
- Shell Data Picker
- User Data Picker

Overview Page

This page shows business process overview analyses.

Business Process Counts Section



Purpose

The table and pie chart show record counts for each Business Process by Business Process Type (Cost, Document, Line Item, RFB, and Simple). The table contains the following columns:

- Business Process Name
- # Of BP Records

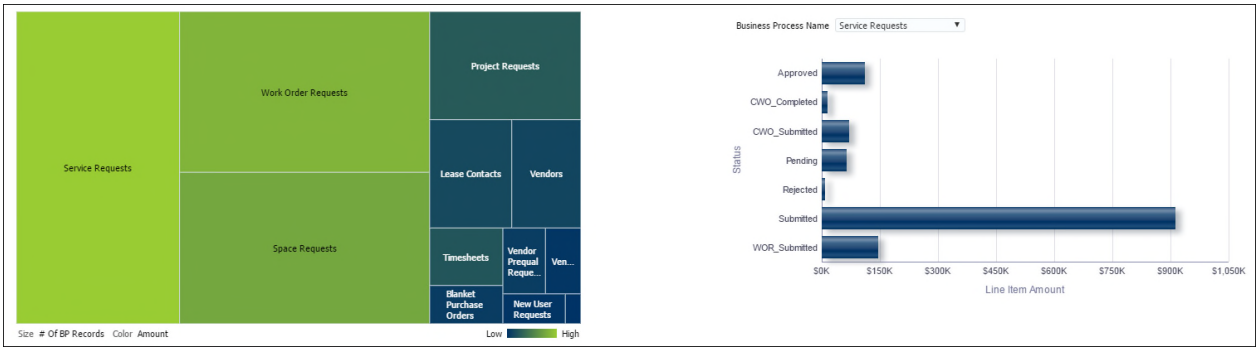
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Business Process Counts** section.

Subject Area

Business Process

Company Level Business Process Summary Section



Purpose

The tree map shows relative amounts of Business Process Records. The bar graph shows the status of the selected Business Process.

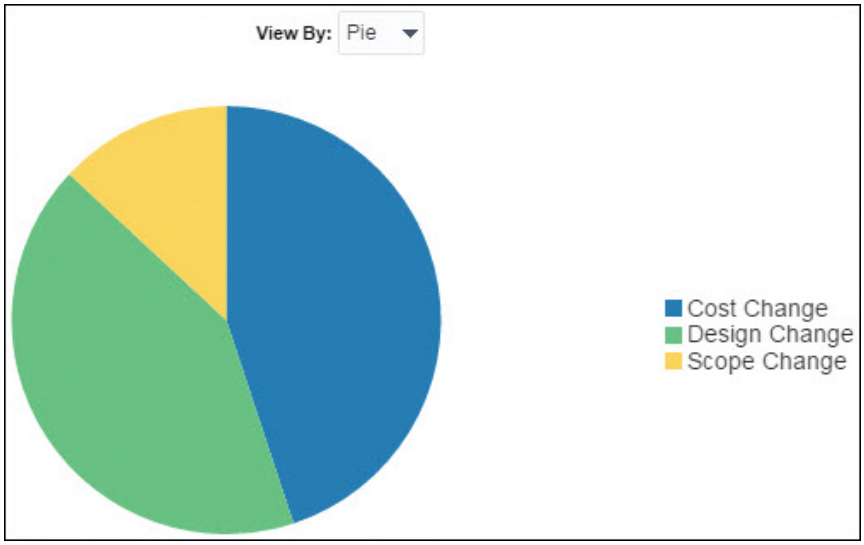
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Company Level Business Process Summary** section.

Subject Area

Business Process

Approved Change Orders by Reason Section



View By: Table

Business Process Name	Status	Reason	# Of BP Records	Amount
Change Orders	Approved	Cost Change	1	$141,000
		Design Change	1	$131,840
		Scope Change	2	$41,000

Purpose

Depending on the selection, the pie chart and table show amounts for each Change Order broken down by Change Order Reason. The pivot table contains the following columns:

- Business Process Name
- Status
- Reason
- # of BP Records
- Amount

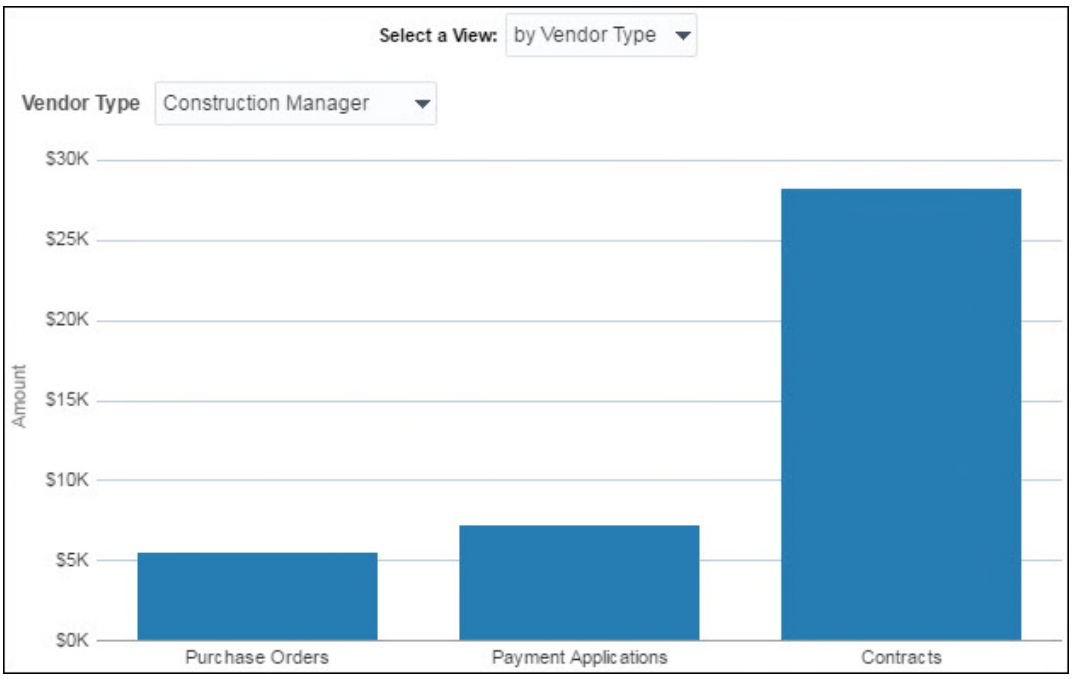
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Approved Change Orders By Reason** section.

Subject Area

Business Process

Vendor Summary Section



Purpose

The bar graph displays amounts for each Vendor Summary item by Vendor Type or Vendor Name. The x-axis shows Vendor Summary items or Vendor Names, and the y-axis shows amounts.

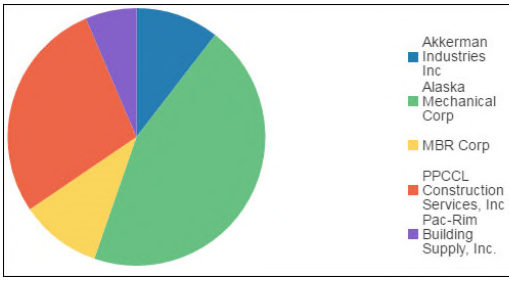
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Vendor Summary** section.

Subject Area

Business Process

Total Commitments > 300k by Vendor Section



Vendor Name	Amount
Alaska Mechanical Corp	$5,942,700
PPCCL Construction Services, Inc	$3,720,515
Akkerman Industries Inc	$1,386,096
MBR Corp	$1,350,863
Pac-Rim Building Supply, Inc.	$851,200

Purpose

The pie chart and table show amounts for each Vendor business process. The pivot table contains the following columns:

- Vendor Name
- Amount

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Total Commitments > 300k by Vendor** section.

Subject Area

Business Process

Contract Summary by Vendor Section

Vendor Name	Vendor Id	Vendor Type	Project Name	Link to Project	Record Number	Title	Link to BP	Amount
Akkerman Industries Inc	00148	General Contractors - EPC	City Center	Link to Project	CON-001	Core Structure Rebuild 1	Link to BP Record	$199,041
					CON-002	Core Structure Rebuild Mods	Link to BP Record	$37,740
			EtoU	Link to Project	CON-001	Core Structure Rebuild 1	Link to BP Record	$229,863
					CON-002	Core Structure Rebuild 2	Link to BP Record	$229,863
					CON-003	Core Structure Rebuild 1	Link to BP Record	$229,863
					CON-004	Core Structure Rebuild 2	Link to BP Record	$229,863
			Remodel-Refurbish Building	Link to Project	CON-001	Core Structure Rebuild	Link to BP Record	$229,863
Akkerman Industries Inc Total								$1,386,096
Alaska Mechanical Corp	00167	General Contractors - EPC	Alaska University - Anchorage	Link to Project	CON-001	Site Construction	Link to BP Record	$3,879,700
					CON-003	Plumbing and HVAC	Link to BP Record	$1,672,000

Purpose

The pivot table shows a summary of the contracts for each Vendor. It contains the following columns:

- Vendor Name

- Vendor Id
- Vendor Type
- Project Name
- Link to Project
- Record Number
- Title
- Amount

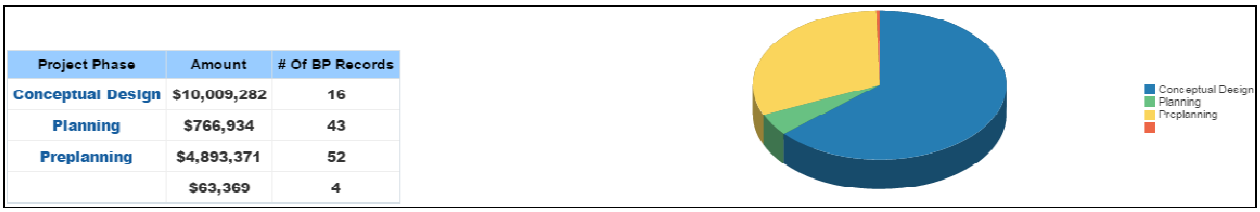
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Contract Summary by Vendor** section.

Subject Area

Business Process

Commitments by Project Phase Section



Project Phase	Amount	# Of BP Records
Conceptual Design	$10,009,282	16
Planning	$766,934	43
Preplanning	$4,893,371	52
	$63,369	4

Purpose

The table and pie chart show amounts for Change Order and Contract business processes broken down by Project Phase. The table contains the following columns:

- Project Phase
- Amount
- # of BP Records

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Commitments by Project Phase** section.

Subject Area

Business Process

Top 10 Workflows by Duration Section

Project Id	Project Name	Record Number	Title	Workflow Name	Setup Name	Workflow Start Date	Workflow Duration DD:HH:MM
EPC-6533	Hospital Building - Hopkins	CHREQ-0003	Weatherproofing Exterior	RFI - Change Request	RFI Triggered	1/8/2015 10:51:46 AM	580:21:40
EPC-6533	Hospital Building - Hopkins	CHREQ-0004	Weatherproofing Exterior	RFI - Change Request	RFI Triggered	1/8/2015 10:51:47 AM	580:21:40
EtoU	EtoU	CON-001	Core Structure Rebuild 1	Contract Approval	Contract Approval	1/23/2015 10:15:23 PM	565:10:16
EtoU	EtoU	CON-002	Core Structure Rebuild 2	Contract Approval	Contract Approval	1/23/2015 10:15:29 PM	565:10:16
OBI-001	City Center	INT-BA-001	Initial Budget	Budget Approval WF	Budget Approvals	1/28/2015 3:03:55 AM	561:05:28

Purpose

The chart shows Workflow duration sorted by Project Name.

The table shows open Workflows sorted by duration. The table contains the following columns:

- Project Id
- Project Name
- Record Number
- Title
- Workflow Name
- Setup Name
- Workflow Start Date
- Workflow Duration DD:HH:MM

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Top 10 Project Workflows by Duration** section.

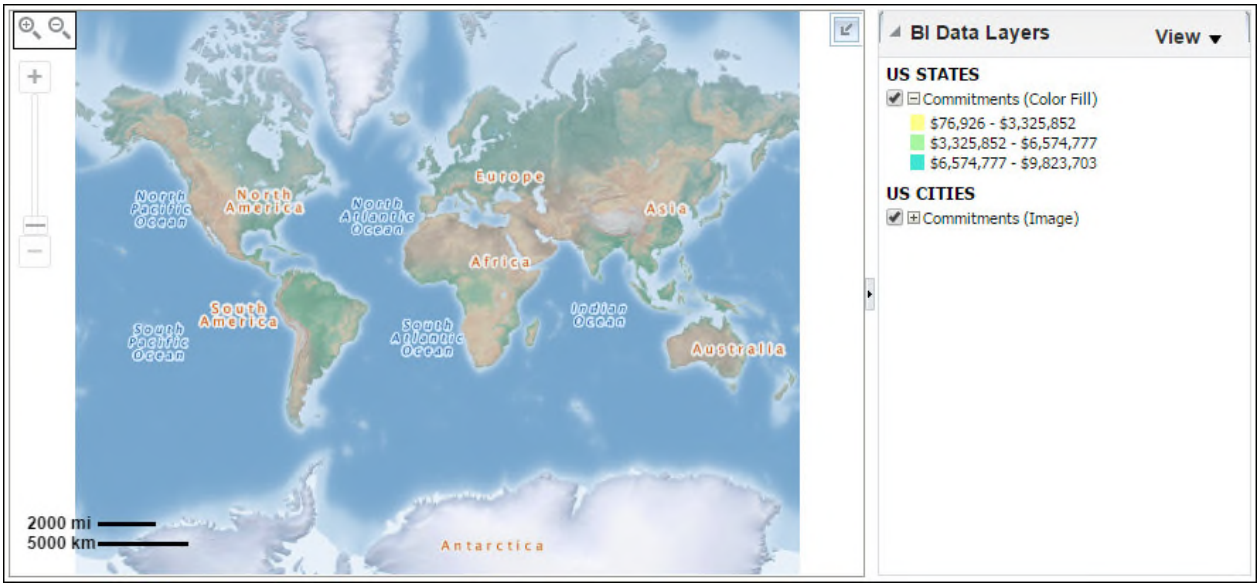
Subject Area

Business Process

Location Page

This page shows business process data by geographic location.

Commitments by City, State Section



Purpose

The map shows Commitments by geographic location. Hover over a highlighted area to show details for that area. Use the control to zoom in to view details by city.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **Location** page.
4) On the **Location** page, expand the **Commitments by City, State** section.

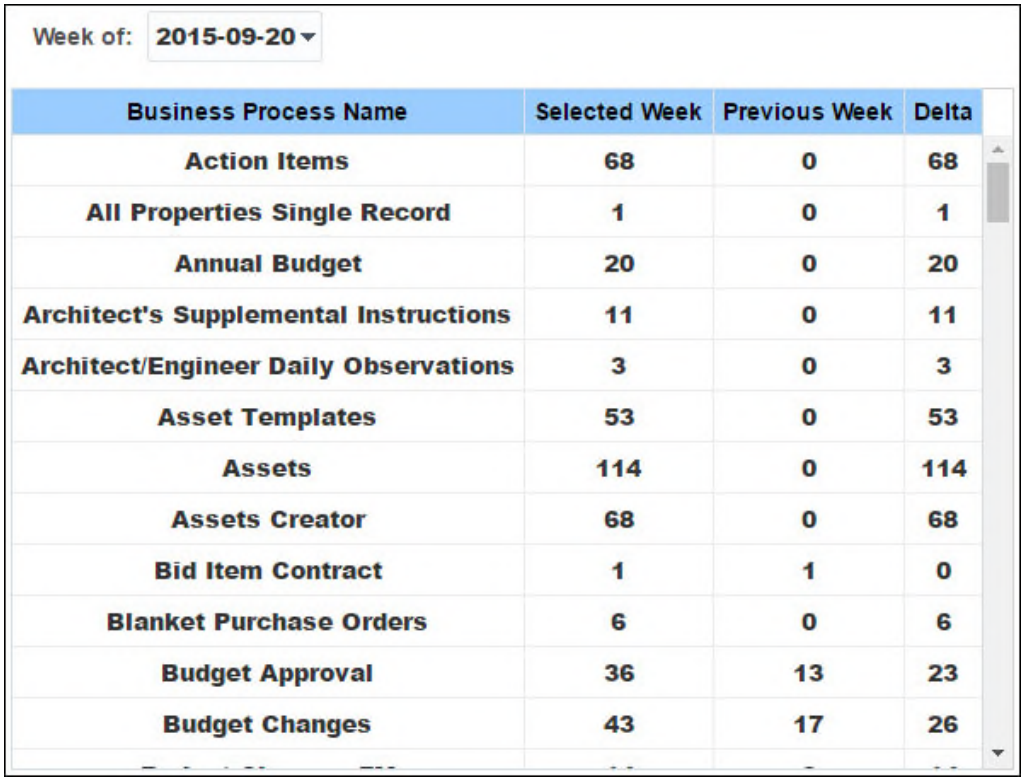
Subject Area

Business Process

History Page

This page shows business process history analyses.

Historical Business Process Counts Section



Week of: 2015-09-20

Business Process Name	Selected Week	Previous Week	Delta
Action Items	68	0	68
All Properties Single Record	1	0	1
Annual Budget	20	0	20
Architect's Supplemental Instructions	11	0	11
Architect/Engineer Daily Observations	3	0	3
Asset Templates	53	0	53
Assets	114	0	114
Assets Creator	68	0	68
Bid Item Contract	1	1	0
Blanket Purchase Orders	6	0	6
Budget Approval	36	13	23
Budget Changes	43	17	26

Purpose

The table shows the record counts for each Business Process for the selected and previous week. It shows columns for:

- Business Process Name
- Selected Week (number of records)
- Previous Week (number of records)
- Delta (selected week - previous week)

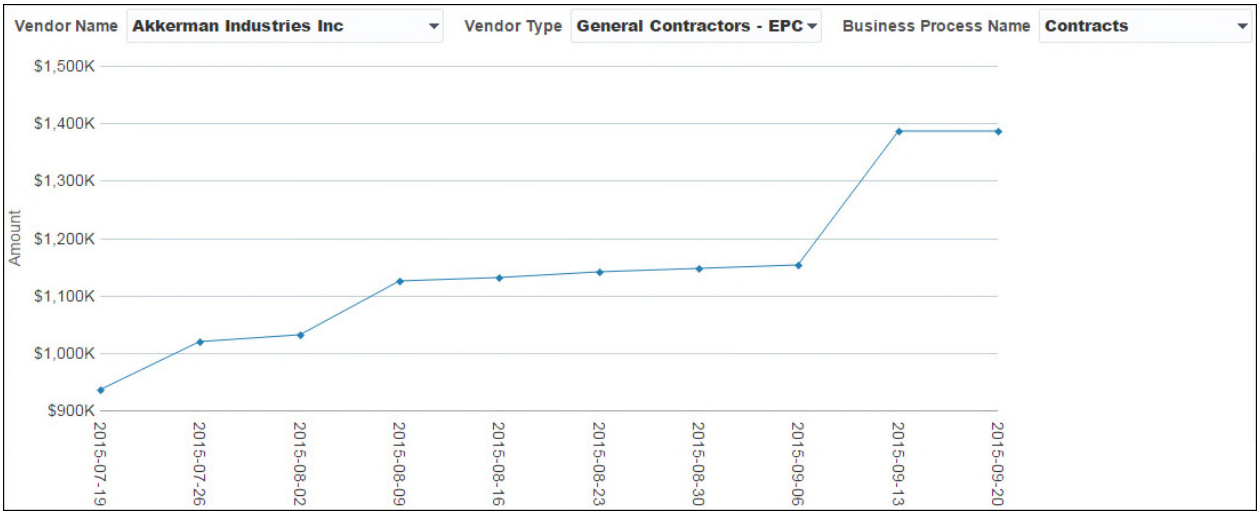
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **History** page.
4) On the **History** page, expand the **Historical Business Process Counts** section.

Subject Area

Business Process History

Historical Amounts by Vendor Section



Purpose

The line chart shows the weekly amounts of the business processes for the selected Vendor Name, Vendor Type, and Business Process Name.

The x-axis shows weeks. The y-axis shows amounts.

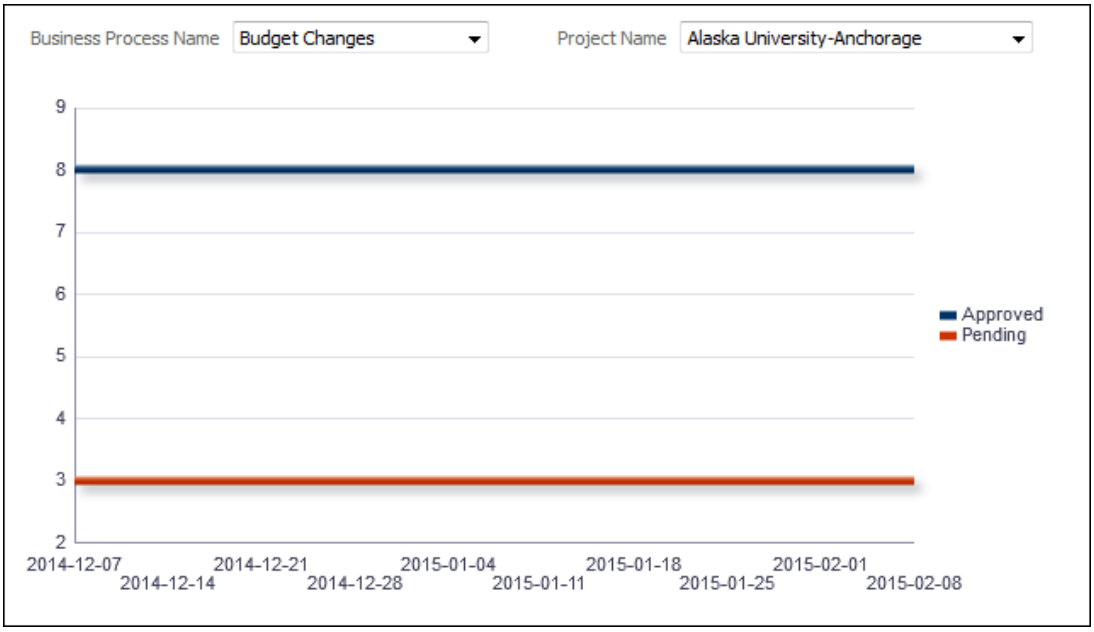
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **History** page.
4) On the **History** page, expand the **Historical Amounts by Vendor** section.

Subject Area

Business Process History

Weekly Business Process Trend by Project and Count Section



Purpose

The line chart shows weekly record counts for the selected Business Process and Project. It contains two lines: One for Approved business processes; the other for Pending business processes.

The x-axis shows weeks. The y-axis shows counts.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **History** page.
4) On the **History** page, expand the **Weekly Business Process Trend by Project and Count** section.

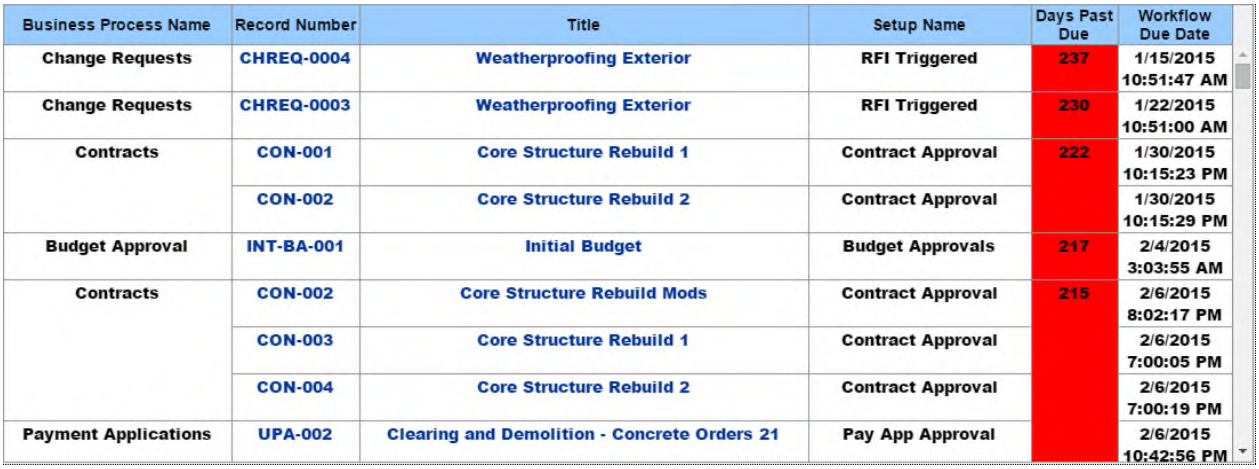
Subject Area

Business Process History

Workflow Page

This page shows business process workflow analyses.

Past Due Workflows Section



Business Process Name	Record Number	Title	Setup Name	Days Past Due	Workflow Due Date
Change Requests	CHREQ-0004	Weatherproofing Exterior	RFI Triggered	237	1/15/2015 10:51:47 AM
Change Requests	CHREQ-0003	Weatherproofing Exterior	RFI Triggered	230	1/22/2015 10:51:00 AM
Contracts	CON-001	Core Structure Rebuild 1	Contract Approval	222	1/30/2015 10:15:23 PM
	CON-002	Core Structure Rebuild 2	Contract Approval		1/30/2015 10:15:29 PM
Budget Approval	INT-BA-001	Initial Budget	Budget Approvals	217	2/4/2015 3:03:55 AM
Contracts	CON-002	Core Structure Rebuild Mods	Contract Approval	215	2/6/2015 8:02:17 PM
	CON-003	Core Structure Rebuild 1	Contract Approval		2/6/2015 7:00:05 PM
	CON-004	Core Structure Rebuild 2	Contract Approval		2/6/2015 7:00:19 PM
Payment Applications	UPA-002	Clearing and Demolition - Concrete Orders 21	Pay App Approval		2/6/2015 10:42:56 PM

Purpose

The table contains Business Processes that are overdue for completion. The table contains the following columns:

- Business Process Name
- Record Number
- Title
- Setup Name
- Days Past Due
- Workflow Due Date

Subject Area

Business Process

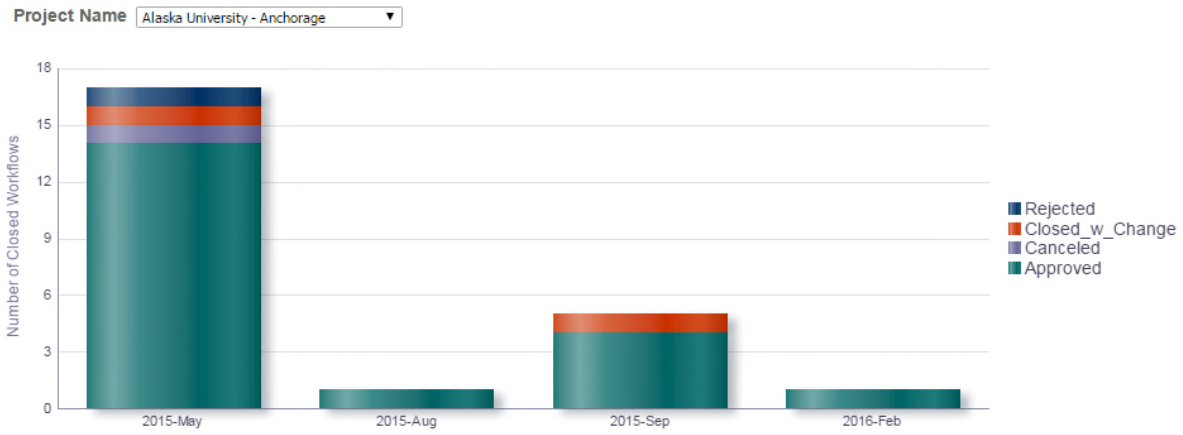
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **Workflow** page.
4) On the **Workflow** page, expand the **Past Due Workflows** section.

Subject Area

Business Process

Completed BP Workflows by Month Section



Purpose

The chart shows completed BP workflows sorted by Project Name. The date is represented on the x-axis, and the number of closed workflows is represented on the y-axis. The chart legend indicates the number of closed workflows that are Rejected, Closed with Change, Cancelled, and Approved. The Project data represented in the chart can be selected in the Project Name menu.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **Workflow** page.
4) On the **Workflow** page, expand the **Completed BP Workflows by Month** section.

Subject Area

Business Process

Steps Past Due by Project Section

Project Name	Record Number	Title	Setup Name	Step Name	Task Assignee	Step Completion Policy	Step Status	Task Due Date	Days Past Due
Hospital Building - Hopkins	CHREQ-0003	Weatherproofing Exterior	RFI Triggered	Contractor Proposal	Kay Contractor	Single	Not Started	01/11/2015 04:56 PM	241
	CHREQ-0004	Weatherproofing Exterior	RFI Triggered	Contractor Proposal	Jim Contractor	Single	Not Started	01/11/2015 07:15 PM	241
EtoU	CON-001	Core Structure Rebuild 1	Contract Approval	Approval	Sam Rickels	Single	Not Started	01/27/2015 02:48 AM	225
	CON-002	Core Structure Rebuild 2	Contract Approval	Approval	Sam Rickels	Single	Not Started	01/27/2015 01:08 AM	225
City Center	INT-BA-001	Initial Budget	Budget Approvals	Approval	Sam Rickels	Single	Not Started	01/31/2015 10:44 AM	221
EtoU	CON-004	Core Structure Rebuild 2	Contract Approval	Approval	Sam Rickels	Single	Not Started	02/02/2015 11:05 PM	219
City Center	CON-002	Core Structure Rebuild Mods	Contract Approval	Approval	Sam Rickels	Single	Not Started	02/03/2015 08:31 AM	218
City Center	UPA-002	Clearing and Demolition - Concrete Orders 21	Pay App Approval	Approval	Sam Rickels	Single	Not Started	02/05/2015 05:40 PM	216
EtoU	CON-003	Core Structure Rebuild 1	Contract Approval	Approval	Sam Rickels	Single	Not	02/05/2015	216

Purpose

The table shows which Steps that are past due, sorted by Project. The table contains the following columns:

- Project Name
- Record Number
- Title
- Setup Name
- Step Name
- Task Assignee
- Step Completion Policy
- Step Status
- Task Due Date
- Days Past Due

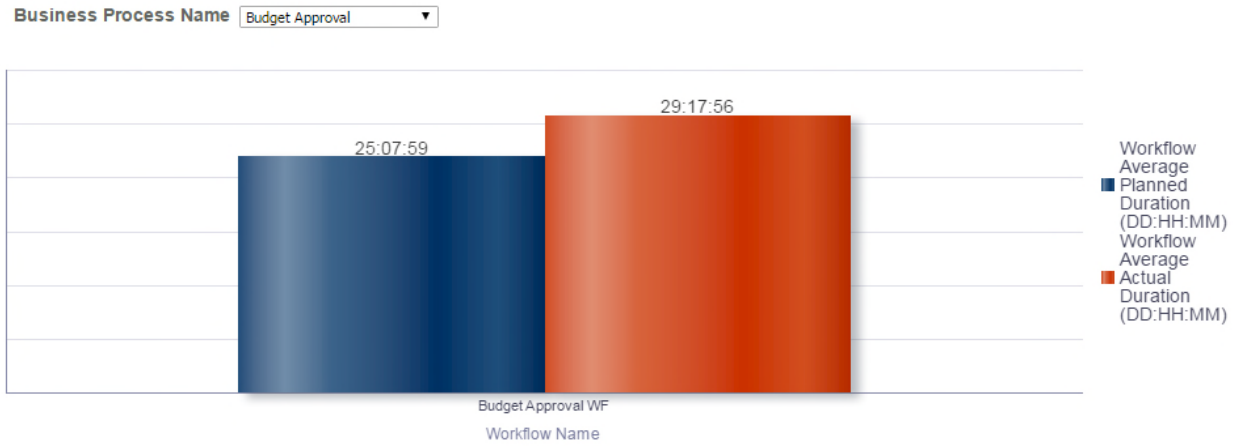
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **Workflow** page.
4) On the **Workflow** page, expand the **Steps Past Due by Project** section.

Subject Area

Business Process

Planned vs. Actual Workflow Duration Section



Purpose

The chart compares the Workflow Average Planned Duration (DD:HH:MM) to Workflow Average Actual Duration (DD:HH:MM). The workflow data represented in the chart can be selected in the Business Process Name menu.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **Workflow** page.
4) On the **Workflow** page, expand the **Planned vs. Actual Workflow Duration** section.

Subject Area

Business Process

Revisited Workflow Steps Section

Project Id	Project Name	Record Number	Title	Setup Name	Step Sequence	Step Name	Step Start Date	Step End Date
COM-9881	Remodel- Refurbish Building	CON-001	Core Structure Rebuild	Contract Approval	0	Creation	04/27/2015 09:40 PM	04/27/2015 09:40 PM
					1	Approval	04/27/2015 09:40 PM	04/27/2015 09:53 PM
					2	Revision	04/27/2015 09:53 PM	04/27/2015 09:54 PM
					3	Approval	04/27/2015 09:54 PM	04/27/2015 09:55 PM
EC02016	Alaska University - Anchorage	BC-002	Framing and Woodwork	Budget Change	0	Creation	05/18/2015 12:28 PM	05/18/2015 12:28 PM
					1	Approval	05/18/2015 12:28 PM	05/18/2015 12:50 PM
					2	Revision	05/18/2015 12:50 PM	05/18/2015 01:32 PM
					3	Approval	05/18/2015 01:32 PM	05/18/2015 01:48 PM
		BC-003	Specialty Entrances	Budget Change	0	Creation	05/18/2015 12:28 PM	05/18/2015 12:28 PM

1st step revisit | 2nd step revisit | Step revisited 3 times or more

Purpose

The Revisited Workflow Steps table shows projects and their respective steps. The table contains the following columns:

- Project Id
- Project Name
- Record Number
- Title
- Setup Name
- Step Sequence
- Step Name
- Step Start Date
- Step End Date

The steps are color coded to indicate how many times each step has been revisited:

- White: The step has not been revisited.
- Yellow: The step has been revisited once.
- Orange: The step has been revisited twice.

- Red: The step has been revisited 3 times or more.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **Workflow** page.
4) On the **Workflow** page, expand the **Revisited Workflow Steps** section.

Subject Area

Business Process

Top 10 Open Workflows by Duration Section

Project Id	Project Name	Record Number	Title	Workflow Name	Setup Name	Workflow Start Date	Workflow Duration DD:HH:MM
EPC-6533	Hospital Building - Hopkins	CHREQ-0003	Weatherproofing Exterior	RFI - Change Request	RFI Triggered	1/8/2015 10:51:46 AM	580:21:40
EPC-6533	Hospital Building - Hopkins	CHREQ-0004	Weatherproofing Exterior	RFI - Change Request	RFI Triggered	1/8/2015 10:51:47 AM	580:21:40
EtoU	EtoU	CON-001	Core Structure Rebuild 1	Contract Approval	Contract Approval	1/23/2015 10:15:23 PM	565:10:16
EtoU	EtoU	CON-002	Core Structure Rebuild 2	Contract Approval	Contract Approval	1/23/2015 10:15:29 PM	565:10:16
OBI-001	City Center	INT-BA-001	Initial Budget	Budget Approval WF	Budget Approvals	1/28/2015 3:03:55 AM	561:05:28

Purpose

The chart shows Workflow duration sorted by Project Name.

The table shows open Workflows sorted by duration. The table contains the following columns:

- Project Id
- Project Name
- Record Number
- Title
- Workflow Name
- Setup Name
- Workflow Start Date
- Workflow Duration DD:HH:MM

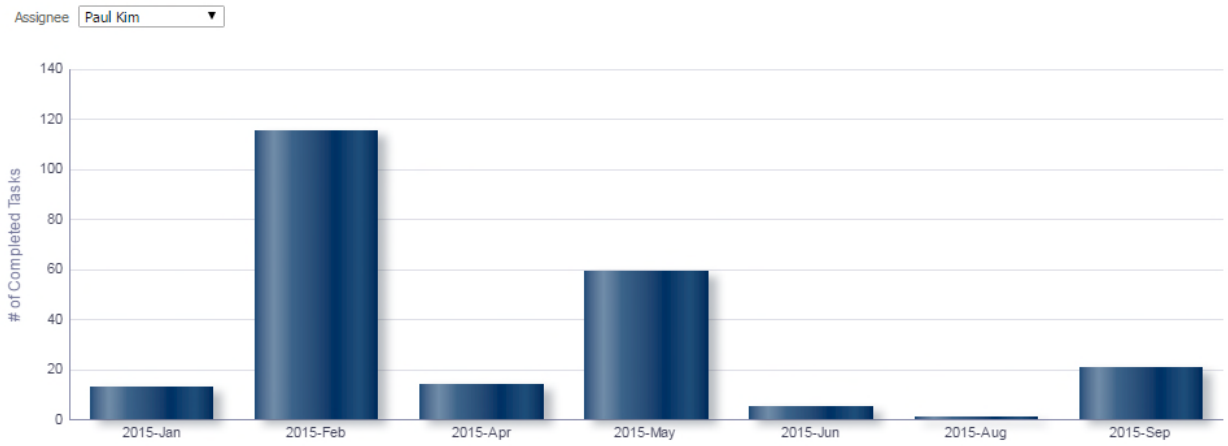
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **Workflow** page.
4) On the **Workflow** page, expand the **Top 10 Open Workflows by Duration** section.

Subject Area

Business Process

Completed Tasks by Month Section



Purpose

The Completed Tasks by Month table shows the month and year on the x-axis and the number of completed tasks on the y-axis. The assignee data represented in the chart can be selected in the Assignee menu.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **Workflow** page.
4) On the **Workflow** page, expand the **Completed Tasks by Month** section.

Subject Area

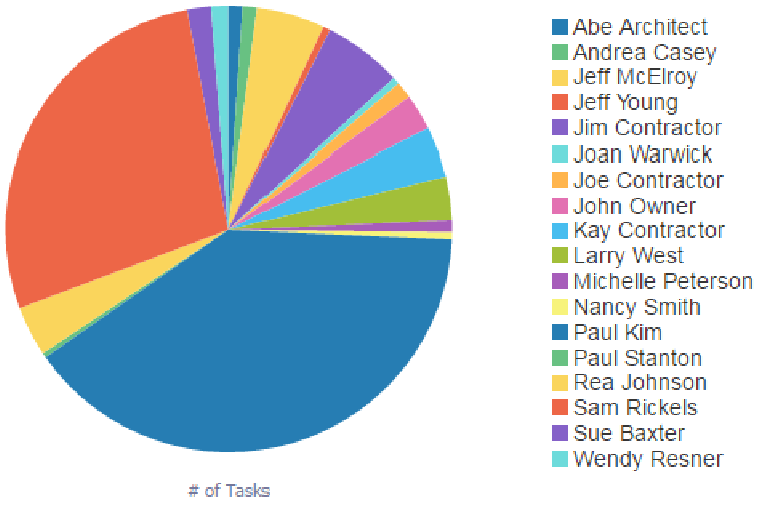
Business Process

Task Assignee Details Section

Task Assignee Status Count

Task Status **Completed**

Assignee	# of Tasks
Abe Architect	6
Andrea Casey	6
Jeff McElroy	28
Jeff Young	3
Jim Contractor	33
Joan Warwick	3
Joe Contractor	7
John Owner	15
Kay Contractor	21
Larry West	18
Michelle Peterson	5
Nancy Smith	3



Task Assignee Counts and Percents

Assignee	Total Tasks	Completed Tasks	Non Response Rate	Completed Tasks (Late)	Late Response Rate
Jim Contractor	34	33	2.9%	2	5.9%
Joan Warwick	3	3	0.0%	0	0.0%
Joe Contractor	11	7	36.4%	0	0.0%
John Owner	25	15	40.0%	4	16.0%
Kay Contractor	26	21	19.2%	0	0.0%
Larry West	18	18	0.0%	1	5.6%
Matt Owner	11	0	100.0%	0	0.0%
Melissa Sanchez	12	0	100.0%	0	0.0%

Purpose

The Task Status Table shows assignees and the number of assigned tasks.

The Task Assignee Status Count chart shows Number of Tasks, sorted by Assignee.

The Task Assignee Counts and Percents table shows the progress of each Assignee towards assigned tasks. The table contains the following columns:

- Assignee
- Total Tasks
- Completed Tasks
- Non Response Rate
- Completed Tasks (Late)
- Late Response Rate

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Business Processes**.
3) On the **Business Processes** dashboard, click the **Workflow** page.
4) On the **Workflow** page, expand the **Task Assignee Details** section.

Subject Area

Business Process

Cash Flow Dashboard

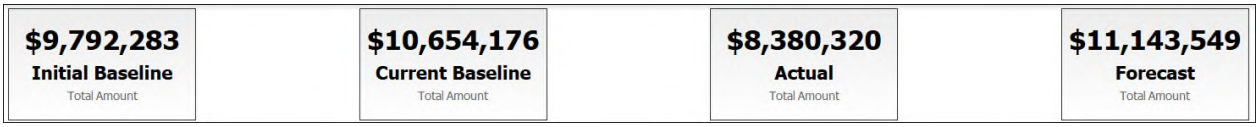
The Cash Flow dashboard uses data from Primavera Unifier.

It enables you to view aggregated cost sheet data across projects and cost codes, including comparisons of actuals vs. forecast and forecast vs. baseline. You can easily slice the data by various dimensions, including location, project owner, and portfolio.

Primavera Analytics supports the following Unifier picker and data picker elements which can be configured in the Unifier > Administration Mode > Analytics > Business Processes option:

- BP Picker
- User Picker
- Shell Picker
- Space Picker
- BP Data Picker
- Shell Data Picker
- User Data Picker

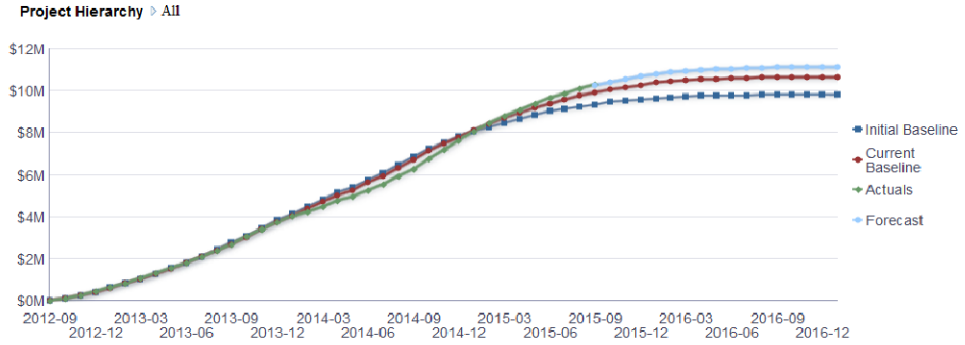
Overview Page



This page shows cash flow data, including comparisons of actuals vs. forecast, and forecast vs. baseline. It contains the following narratives:

- **Initial Baseline** shows the total of the Initial Baselines for all cash flows.
- **Current Baseline** shows the total of the Current Baselines for all cash flows.
- **Actual** shows the total of the Actuals for all cash flows.
- **Forecast** shows the total of the Forecasts for all cash flows.

Cash Flow Summary by Project Section



Use the **right-click** mouse menu in the Project Hierarchy table below to filter data (e.g., **Keep Only**). Filtering the hierarchy table automatically updates the Cash Flow Summary table and chart. To return to the default view, select **Clear My Customization** from the Dashboard's **Page Options** drop-down menu.

Project Hierarchy
All
▷ All Initiatives
▷ Groupo ADS
▷ Millennium Corporation

	Periodic				Cumulative			
Year Name	Initial Baseline	Current Baseline	Actuals	Forecast	Initial Baseline	Current Baseline	Actuals	Forecast
2012	$419,659	$412,838	$421,175	$427,880	$419,659	$412,838	$421,175	
2013	$3,402,052	$3,317,005	$3,315,304	$3,394,757	$3,821,711	$3,729,843	$3,736,478	
2014	$3,980,838	$4,053,909	$3,913,218	$4,012,845	$7,802,549	$7,783,752	$7,649,696	
2015	$1,783,595	$2,489,098	$2,655,193	$2,831,801	$9,586,144	$10,272,850	$10,304,889	$10,667,282
2016	$206,139	$381,326	$0	$466,267	$9,792,283	$10,654,176		$11,133,549
2017	$0	$0	$0	$10,000	$9,792,283	$10,654,176		$11,143,549

Purpose

The line graph shows lines for:

- Initial Baseline (Cumulative)
- Current Baseline (Cumulative)
- Actuals (Cumulative)
- Forecast (Cumulative)

The x-axis shows months. The y-axis shows cash flow values.

The pivot table contains columns for:

- Year Name
- Periodic

- Initial Baseline
- Current Baseline
- Actuals
- Forecast

- Cumulative
  - Initial Baseline
  - Current Baseline
  - Actuals
  - Forecast

Right-click on Project Hierarchy elements in the Project Filter pivot table and select **Keep Only** to filter the contents of the pivot table and line graph.

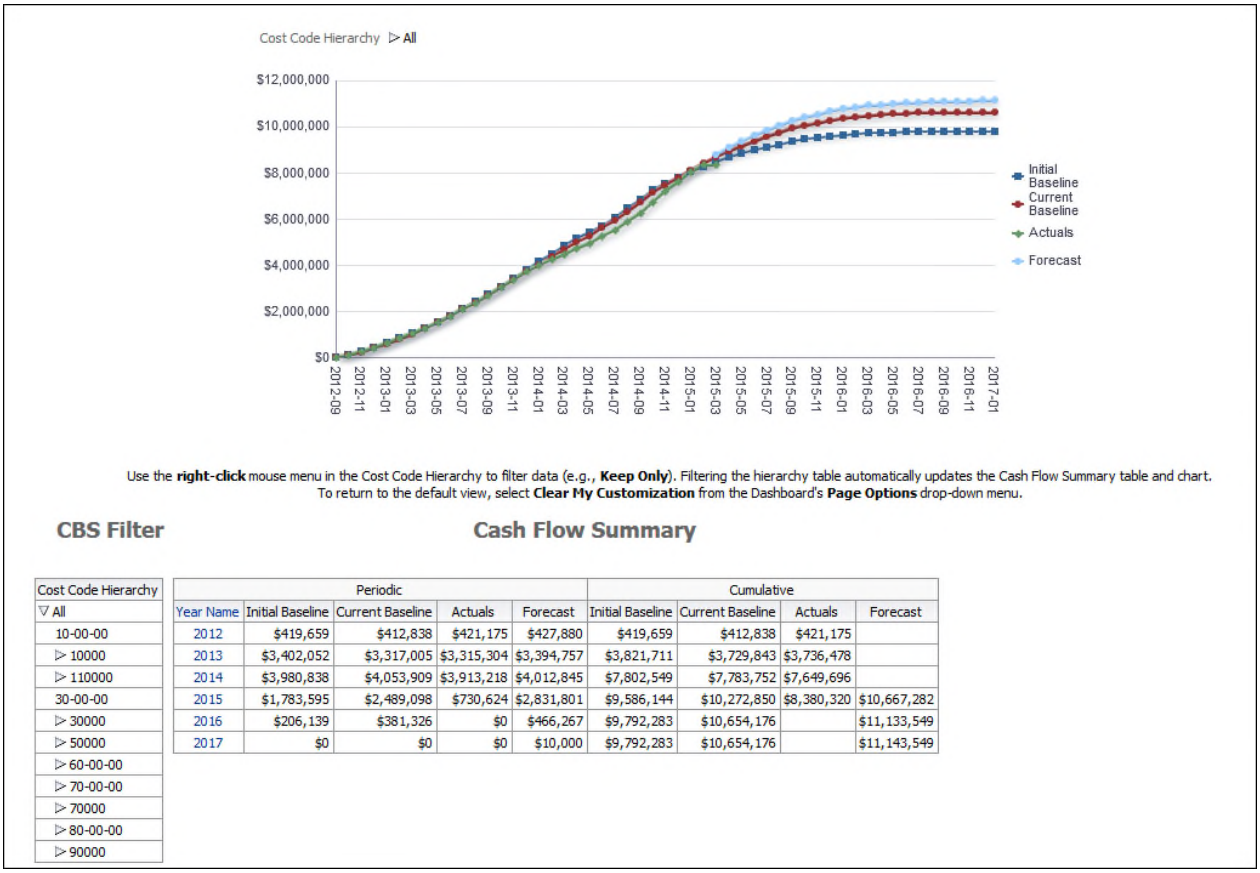
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Cash Flow**.
3) On the **Cash Flow** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Cash Flow Summary by Project** section.

Subject Area

Cash Flow

Cash Flow Summary by CBS Section



Use the **right-click** mouse menu in the Cost Code Hierarchy to filter data (e.g., **Keep Only**). Filtering the hierarchy table automatically updates the Cash Flow Summary table and chart.
To return to the default view, select **Clear My Customization** from the Dashboard's **Page Options** drop-down menu.

CBS Filter

Cost Code Hierarchy
▽ All
10-00-00
▷ 10000
▷ 110000
30-00-00
▷ 30000
▷ 50000
▷ 60-00-00
▷ 70-00-00
▷ 70000
▷ 80-00-00
▷ 90000

Cash Flow Summary

	Periodic				Cumulative			
Year Name	Initial Baseline	Current Baseline	Actuals	Forecast	Initial Baseline	Current Baseline	Actuals	Forecast
2012	$419,659	$412,838	$421,175	$427,880	$419,659	$412,838	$421,175	
2013	$3,402,052	$3,317,005	$3,315,304	$3,394,757	$3,821,711	$3,729,843	$3,736,478	
2014	$3,980,838	$4,053,909	$3,913,218	$4,012,845	$7,802,549	$7,783,752	$7,649,696	
2015	$1,783,595	$2,489,098	$730,624	$2,831,801	$9,586,144	$10,272,850	$8,380,320	$10,667,282
2016	$206,139	$381,326	$0	$466,267	$9,792,283	$10,654,176		$11,133,549
2017	$0	$0	$0	$10,000	$9,792,283	$10,654,176		$11,143,549

Purpose

The line chart shows lines for:

- Initial Baseline (Cumulative)
- Current Baseline (Cumulative)
- Actuals (Cumulative)
- Forecast (Cumulative)

The x-axis shows months. The y-axis shows cash flow values.

The pivot table contains columns for:

- Year Name
- Periodic
  - Initial Baseline
  - Current Baseline
  - Actuals
  - Forecast
- Cumulative
  - Initial Baseline

- Current Baseline
- Actuals
- Forecast

Right-click on Project Hierarchy elements in the Project Filter pivot table and select **Keep Only** to filter the contents of the pivot table and line chart.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Cash Flow**.
3) On the **Cash Flow** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Cash Flow Summary by CBS** section.

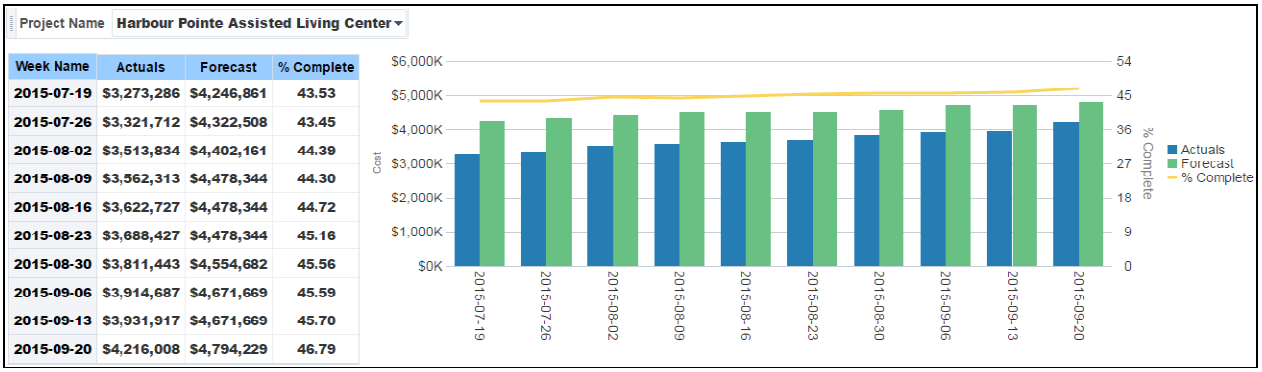
Subject Area

Cash Flow

History Page

This page shows cash flow history analyses.

Actual vs Forecast Weekly Trend Section



Purpose

The pivot table shows weekly details for the selected project. It shows columns for:

- Week Name
- Actuals
- Forecast
- % Complete ((Actuals / (Actuals + Forecast)) * 100)

The line-bar chart shows bars for Actuals and Forecast for the selected project. The line represents Percent Complete.

The x-axis shows weeks. The y-axis for the bars (on the left) shows cash flow values. The y-axis for the line (on the right) shows percentages.

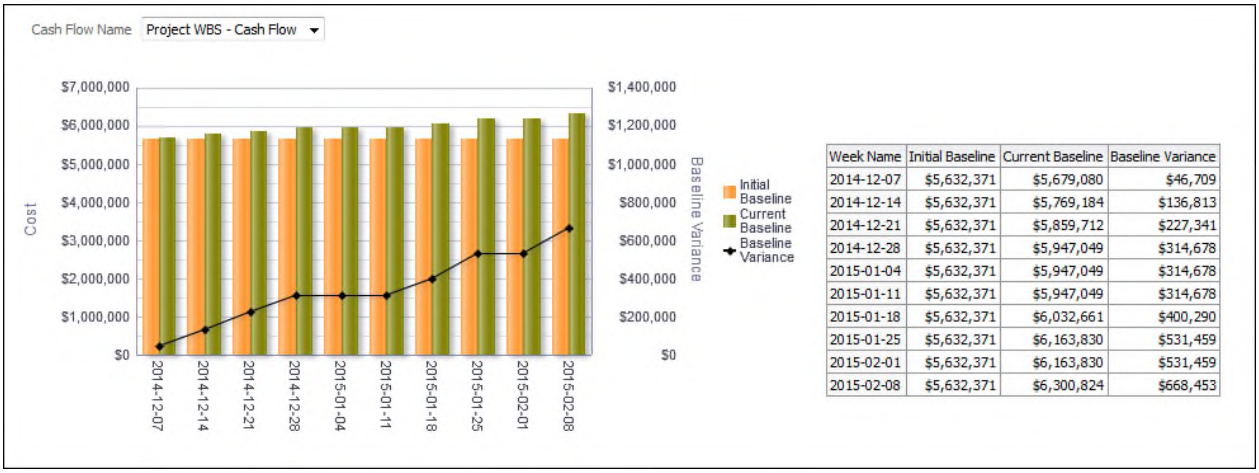
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Cash Flow**.
3) On the **Cash Flow** dashboard, click the **History** page.
4) On the **History** page, expand the **Actual vs Forecast Weekly Trend** section.

Subject Area

Cash Flow History

Baseline Variance Weekly Trend Section



Week Name	Initial Baseline	Current Baseline	Baseline Variance
2014-12-07	$5,632,371	$5,679,080	$46,709
2014-12-14	$5,632,371	$5,769,184	$136,813
2014-12-21	$5,632,371	$5,859,712	$227,341
2014-12-28	$5,632,371	$5,947,049	$314,678
2015-01-04	$5,632,371	$5,947,049	$314,678
2015-01-11	$5,632,371	$5,947,049	$314,678
2015-01-18	$5,632,371	$6,032,661	$400,290
2015-01-25	$5,632,371	$6,163,830	$531,459
2015-02-01	$5,632,371	$6,163,830	$531,459
2015-02-08	$5,632,371	$6,300,824	$668,453

Purpose

The line-bar chart shows bars for Initial Baseline and Current Baseline for the selected cash flow. The line represents Budget Variance.

The x-axis shows weeks. The y-axis for the bars (on the left) shows cash flow values. The y-axis for the line (on the right) shows baseline variance values.

The pivot table shows weekly details for the selected cash flow. It shows columns for:

- Week Name
- Initial Baseline
- Current Baseline
- Baseline Variance (Current Baseline - Initial Baseline)

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Cash Flow**.
3) On the **Cash Flow** dashboard, click the **History** page.
4) On the **History** page, expand the **Baseline Variance Weekly Trend** section.

Subject Area

Cash Flow History

Cost Sheet Dashboard

The Cost Sheet dashboard uses data from Primavera Unifier.

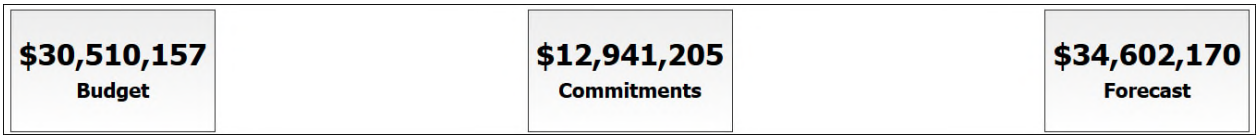
It enables you to view aggregated cost sheet data across projects and cost codes, including a comparison of original and revised budget details, cost data by geographic location, and cost history analyses. You can easily slice the data by various dimensions, including location, project owner, and portfolio.

Primavera Analytics supports the following Unifier picker and data picker elements which can be configured in the Unifier > Administration Mode > Analytics > Business Processes option:

- BP Picker
- User Picker
- Shell Picker
- Space Picker
- BP Data Picker
- Shell Data Picker
- User Data Picker

Overview Page

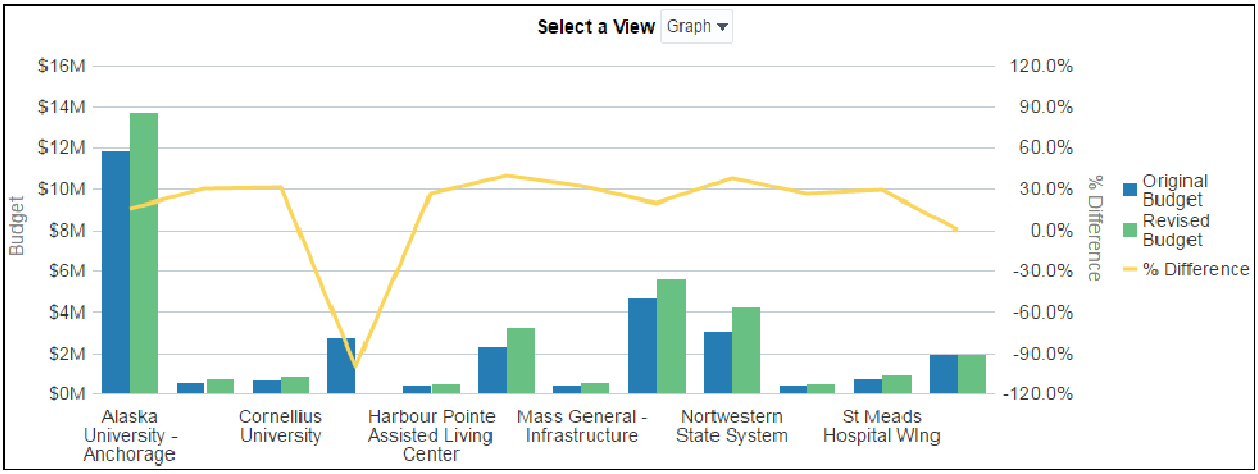
This page shows cost data, including a comparison of original and revised budget details.



This dashboard provides the following narratives:

- **Budget** shows the total of the Budget cost sheet column.
- **Commitments** shows the total of the Commitments cost sheet column.
- **Forecast** shows the total of the Forecast cost sheet column.

Original and Revised Budgets Section



Purpose

The line-bar chart shows bars for Original Budget and Revised Budget. The line represents the difference between Original Budget and Revised Budget shown as a percentage.

The x-axis shows projects. The y-axis for the bars (on the left) shows cost sheet values. The y-axis for the line (on the right) shows percentages.

The table contains columns for:

- Project Name (root-level)
- Original Budget
- Revised Budget
- % Difference (((Revised Budget - Original Budget) / Original Budget) * 100)

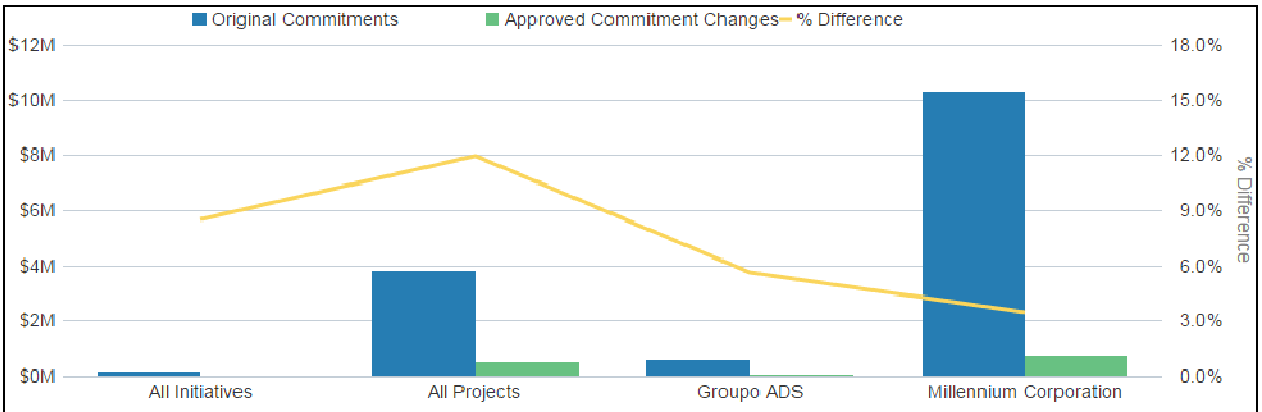
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Cost Sheet**.
3) On the **Cost Sheet** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Original and Revised Budgets** section.

Subject Area

Cost Sheet

Original and Revised Commitments Section



Project Name (Root Level)	Original Commitments	Approved Commitment Changes	% Difference
All Initiatives	$169,300	$34,356	8.5%
All Projects	$3,790,732	$479,826	11.9%
Groupo ADS	$586,790	$66,139	5.7%
Millennium Corporation	$10,221,173	$728,343	3.5%

Purpose

The line-bar chart shows bars for Original Commitments and Approved Commitment Changes. The line represents the difference between Original Commitments and Revised Commitments shown as a percentage.

The x-axis shows root-level projects. The y-axis for the bars (on the left) shows cost sheet values. The y-axis for the line (on the right) shows percentages.

The table contains columns for:

- Project Name (root-level)
- Original Commitments
- Approved Commitment Changes
- % Difference (((Approved Commitment Changes - Original Commitments) / Original Commitments) * 100)

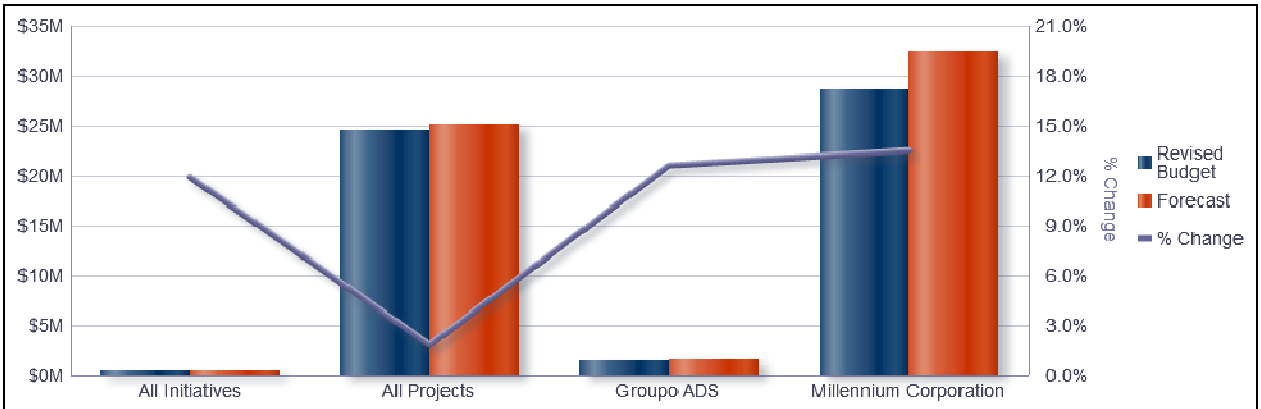
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Cost Sheet**.
3) On the **Cost Sheet** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Original and Revised Commitments** section.

Subject Area

Cost Sheet

Budget vs. Forecast Section



Project Name (Root Level)	Revised Budget	Forecast	% Change
All Initiatives	$487,095	$545,167	11.9%
All Projects	$24,550,131	$24,988,930	1.8%
Groupo ADS	$1,449,530	$1,632,313	12.6%
Millennium Corporation	$28,573,532	$32,424,689	13.5%

Purpose

The line-bar chart shows bars for Revised Budget and Forecast. The line represents the change between Revised Budget and Forecast shown as a percentage.

The x-axis shows root-level projects. The y-axis for the bars (on the left) shows cost sheet values. The y-axis for the line (on the right) shows percentages.

The table contains columns for:

- Project Name (root-level)
- Revised Budget
- Forecast
- % Change (((Forecast - Revised Budget) / Revised Budget) * 100)

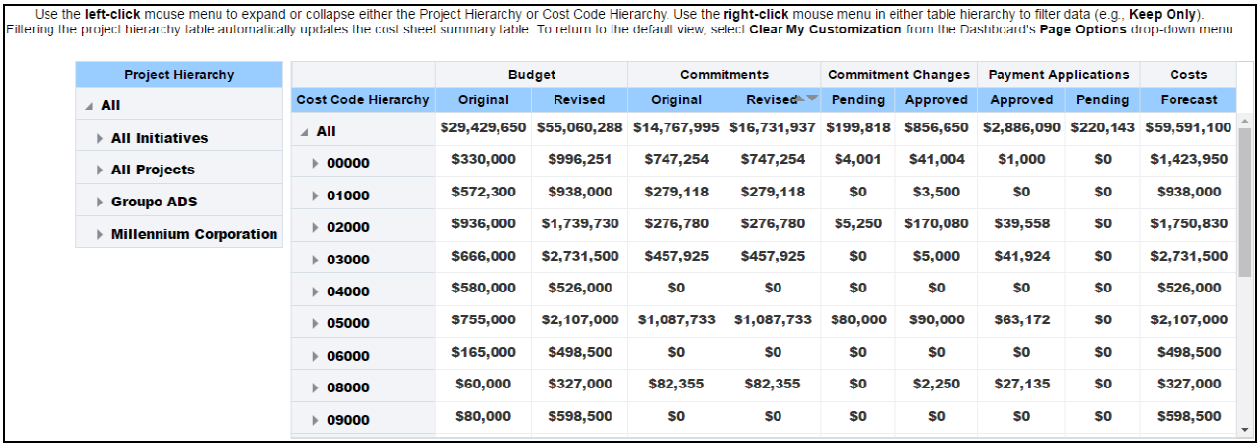
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Cost Sheet**.
3) On the **Cost Sheet** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Budget vs. Forecast** section.

Subject Area

Cost Sheet

Cost Sheet Summary Section



Project Hierarchy
All
All Initiatives
All Projects
Groupo ADS
Millennium Corporation

	Budget		Commitments		Commitment Changes		Payment Applications		Costs
Cost Code Hierarchy	Original	Revised	Original	Revised	Pending	Approved	Approved	Pending	Forecast
All	$29,429,650	$55,060,288	$14,767,995	$16,731,937	$199,818	$856,650	$2,886,090	$220,143	$59,591,100
00000	$330,000	$996,251	$747,254	$747,254	$4,001	$41,004	$1,000	$0	$1,423,950
01000	$572,300	$938,000	$279,118	$279,118	$0	$3,500	$0	$0	$938,000
02000	$936,000	$1,739,730	$276,780	$276,780	$5,250	$170,080	$39,558	$0	$1,750,830
03000	$666,000	$2,731,500	$457,925	$457,925	$0	$5,000	$41,924	$0	$2,731,500
04000	$580,000	$526,000	$0	$0	$0	$0	$0	$0	$526,000
05000	$755,000	$2,107,000	$1,087,733	$1,087,733	$80,000	$90,000	$83,172	$0	$2,107,000
06000	$165,000	$498,500	$0	$0	$0	$0	$0	$0	$498,500
08000	$60,000	$327,000	$82,355	$82,355	$0	$2,250	$27,135	$0	$327,000
09000	$80,000	$598,500	$0	$0	$0	$0	$0	$0	$598,500

Purpose

The pivot table contains columns for:

- CBS Hierarchy
- Budget
  - Original
  - Revised
- Commitments
  - Original
  - Revised
- Commitment Changes
  - Pending
  - Approved
- Payment Applications
  - Approved
  - Pending
- Costs
  - Forecast

Right-click on Project Hierarchy elements in the left pivot table and select **Keep Only** to filter the contents of the pivot table on the right.

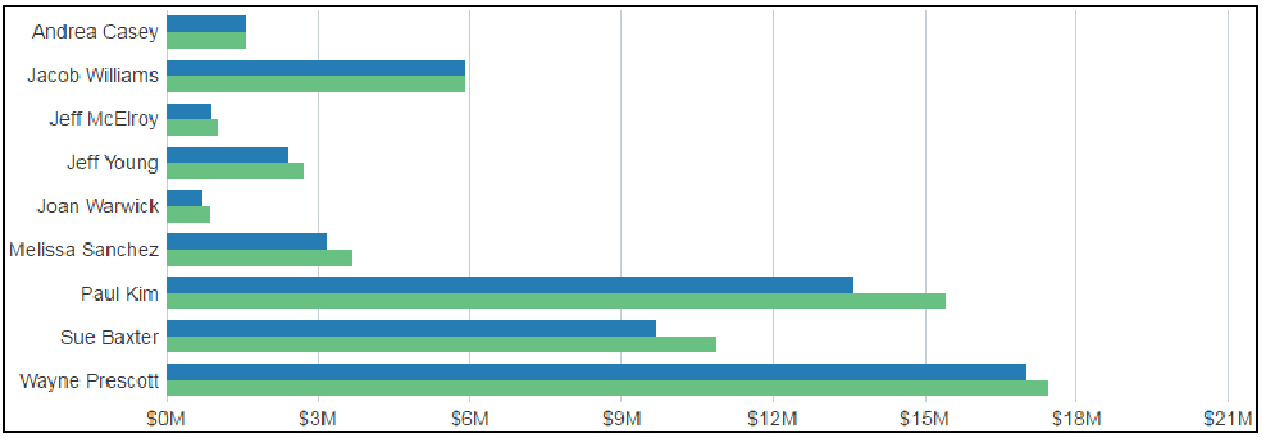
Location

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

Subject Area

Cost Sheet

Budget by Owner Section



Purpose

The bar chart shows bars for Revised Budget and Forecast cost sheet values by Project Owner.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Cost Sheet**.
3) On the **Cost Sheet** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Budget by Owner** section.

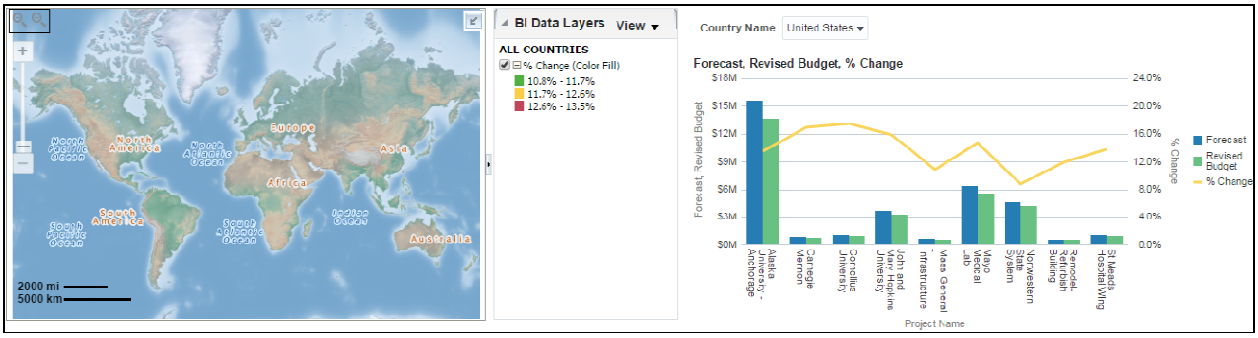
Subject Area

Cost Sheet

Location Page

This page shows cost data by geographic location.

Revised Budget by Location Section



Purpose

The map shows Revised Budget percentages by geographic location. Hover over a highlighted area to show details for that area. Use the control to zoom in details by state and city.

The line-bar chart shows bars for Forecast Budget and Revised Budget for projects in the selected country. The line represents the difference between Forecast Budget and Revised Budget shown as a percentage. The x-axis shows projects. The y-axis for the bars (left) shows cost sheet values. The y-axis for the line (right) shows percentages.

Location

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

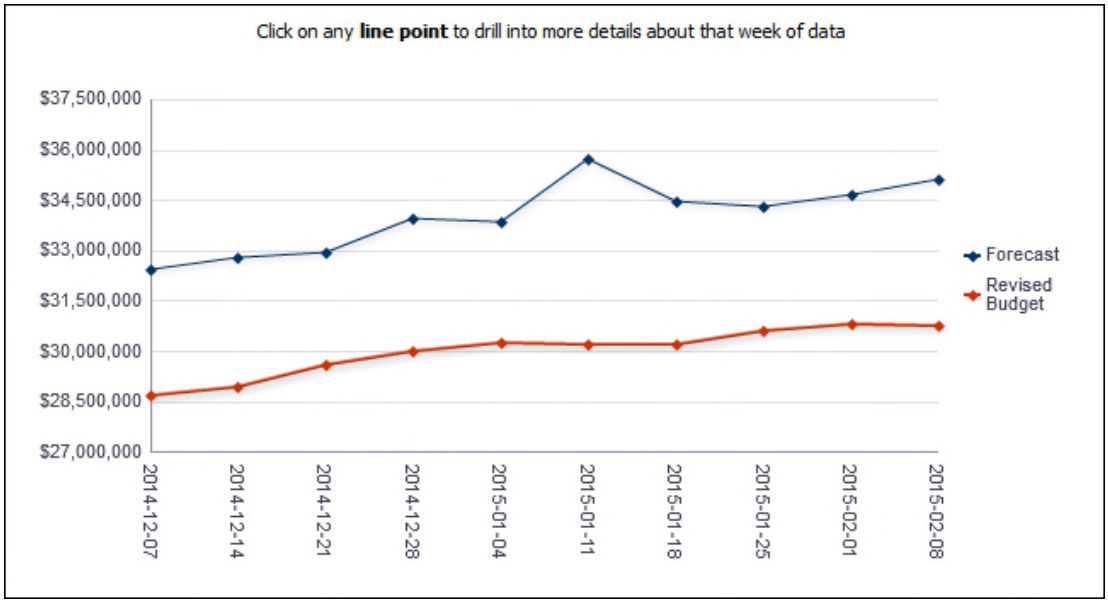
Subject Area

Cost Sheet

History Page

This page shows cost history analyses.

Revised Budget vs. Forecast Weekly Trend Section



Purpose

The line chart shows weekly cost sheet values for Forecast and Revised Budget.

The x-axis shows weeks. The y-axis shows values.

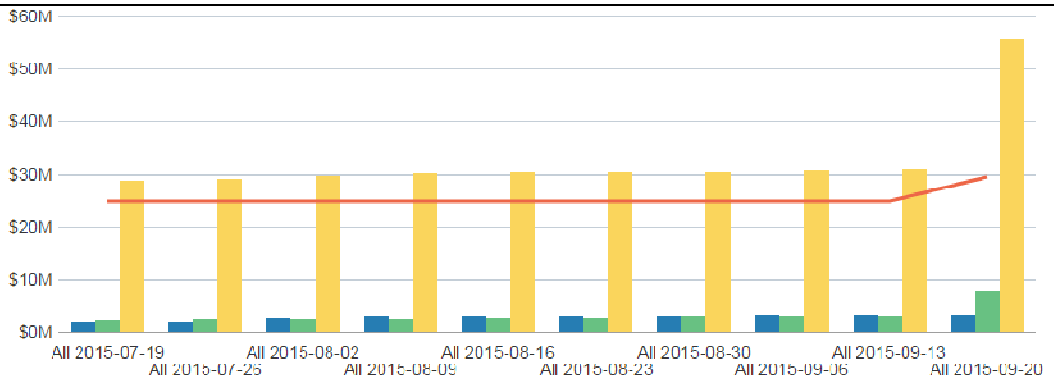
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Cost Sheet**.
3) On the **Cost Sheet** dashboard, click the **History** page.
4) On the **History** page, expand the **Revised Budget vs. Forecast Weekly Trend** section.

Subject Area

Cost Sheet History

Budget Section



Project Hierarchy	Week Name	Original Budget	Pending Budget Revisions	Approved Budget Revisions	Revised Budget	Budget Variance	Weekly Difference
All	2015-07-19	$24,802,350	$1,783,851	$2,086,850	$28,673,051	$3,870,701	
	2015-07-26	$24,802,350	$1,847,943	$2,270,093	$28,920,386	$4,118,036	$247,335
	2015-08-02	$24,802,350	$2,472,989	$2,322,813	$29,598,152	$4,795,802	$677,766
	2015-08-09	$24,802,350	$2,791,448	$2,422,296	$30,016,094	$5,213,744	$417,942
	2015-08-16	$24,802,350	$2,867,320	$2,592,366	$30,262,036	$5,459,686	$245,942
	2015-08-23	$24,802,350	$2,759,297	$2,628,130	$30,189,777	$5,387,427	-$72,259
	2015-08-30	$24,802,350	$2,698,765	$2,721,692	$30,222,807	$5,420,457	$33,030
	2015-09-06	$24,802,350	$2,922,540	$2,862,200	$30,587,090	$5,784,740	$364,283
	2015-09-13	$24,802,350	$3,128,243	$2,885,271	$30,815,864	$6,013,514	$228,774
	2015-09-20	$29,429,650	$3,096,833	$7,579,833	$55,319,316	$25,889,666	$24,503,452

Purpose

The line-bar chart shows bars for Pending Budget Revisions, Approved Budget Revisions, and Revised Budget by week. The line represents Original Budget.

The pivot table shows weekly budget cost sheet values. It contains columns for:

- Project Hierarchy
- Week Name
- Original Budget
- Pending Budget Revisions
- Approved Budget Revisions
- Revised Budget
- Budget Variance (Revised Budget - Original Budget)
- Weekly Difference (Revised Budget for current week - Revised Budget for previous week)

Location

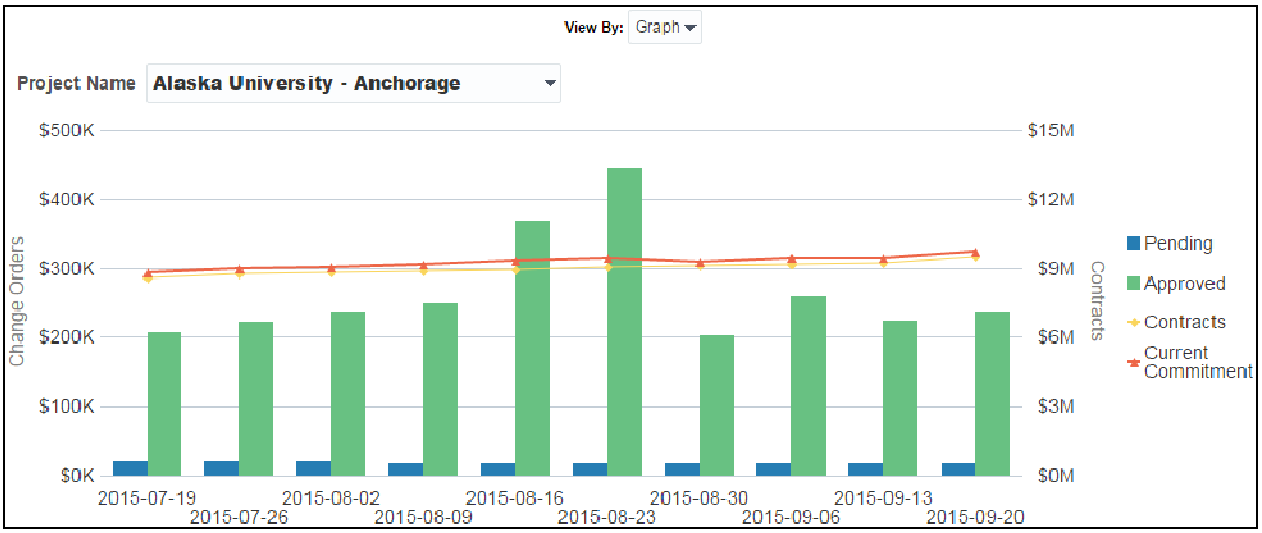
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Cost Sheet**.
3) On the **Cost Sheet** dashboard, click the **History** page.

4) On the **History** page, expand the **Budget** section.

Subject Area

Cost Sheet History

Contracts Section



Purpose

The line-bar chart shows weekly contract cost sheet values. The bars show Pending and Approved amounts. The lines represent Contracts and Current Commitments.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Cost Sheet**.
3) On the **Cost Sheet** dashboard, click the **History** page.
4) On the **History** page, expand the **Contracts** section.

Subject Area

Cost Sheet History

Cost Summary Section

	Costs			
Date Hierarchy	Revised Budget	Revised Commitments	Approved Spends	Forecast
Total	$324,604,573	$128,842,033	$7,739,766	$365,267,245
2015	$324,604,573	$128,842,033	$7,739,766	$365,267,245

Purpose

The pivot table shows cost sheet values rolled up to the levels expanded in the Date Hierarchy. It contains columns for:

- Date Hierarchy
- Costs
  - Revised Budget
  - Revised Commitments
  - Approved Spends
  - Forecast

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Cost Sheet**.
3) On the **Cost Sheet** dashboard, click the **History** page.
4) On the **History** page, expand the **Cost Summary** section.

Subject Area

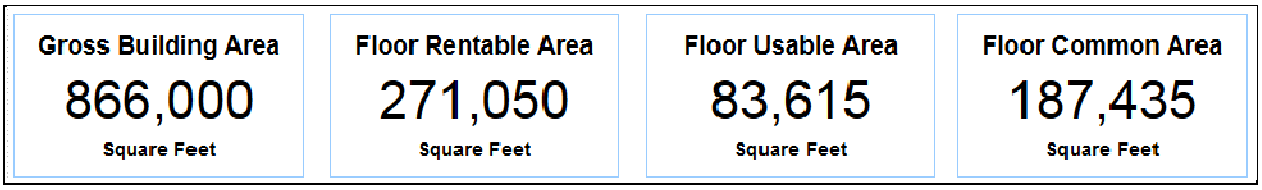
Cost Sheet History

Facilities and Real Estate Dashboard

The Facilities and Real Estate dashboard uses data from Primavera Unifier.

Overview Page

This page shows facilities and real estate data from Primavera Unifier, including custom facts and dimensions for buildings, levels, and spaces.



It contains the following narratives:

- Gross Building Area
- Floor Rentable Area
- Floor Usable Area
- Floor Common Area

You can drill down to get details for all narratives.

Space by Location Section

Purpose

The map shows space by geographic location. Hover over a highlighted area to show details for that area. Use the control to zoom in details by state and city.

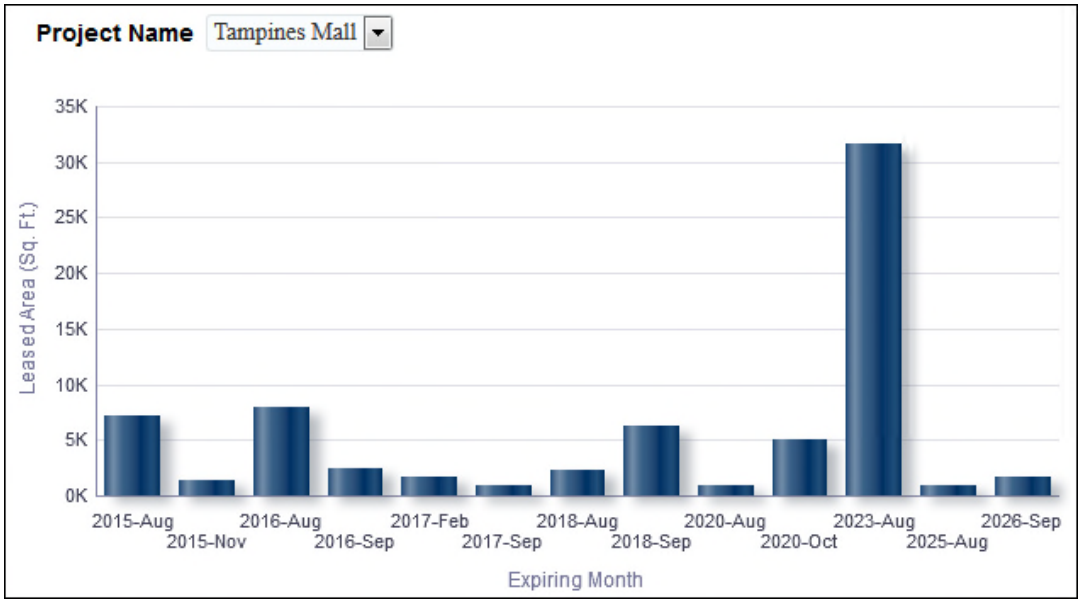
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Space by Location** section.

Subject Area

Space Management

Lease Expirations Section



Purpose

The bar graph show expiring leased area for the selected project. You can drill down to get details for each month.

The x-axis shows the expiring month. The y-axis shows expiring leased area in square feet.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Lease Expirations** section.

Subject Area

Business Process

Rent by Building

Project Name	Current Monthly Rent	Rent with Multiplier	Delta
555 Main St	$0	$0	$0
BUILDING-01	$1,844	$1,866	$22
Dragon Home	$0	$0	$0
Embassy - Singapore	$21,082	$21,335	$253
Raffles City	$1,374,276	$1,390,767	$16,491
Tampines Mall	$6,384,657	$6,461,273	$76,616
WAREHOUSE-00	$34,640	$35,056	$416
Grand Total	**$7,816,499**	**$7,910,297**	**$93,798**

What-if Rent Multiplier (%) 1.2 Apply Reset

Purpose

The table contains columns for:

- Building
- Current Monthly Rent
- Rent with Multiplier
- Delta

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Rent by Building** section.

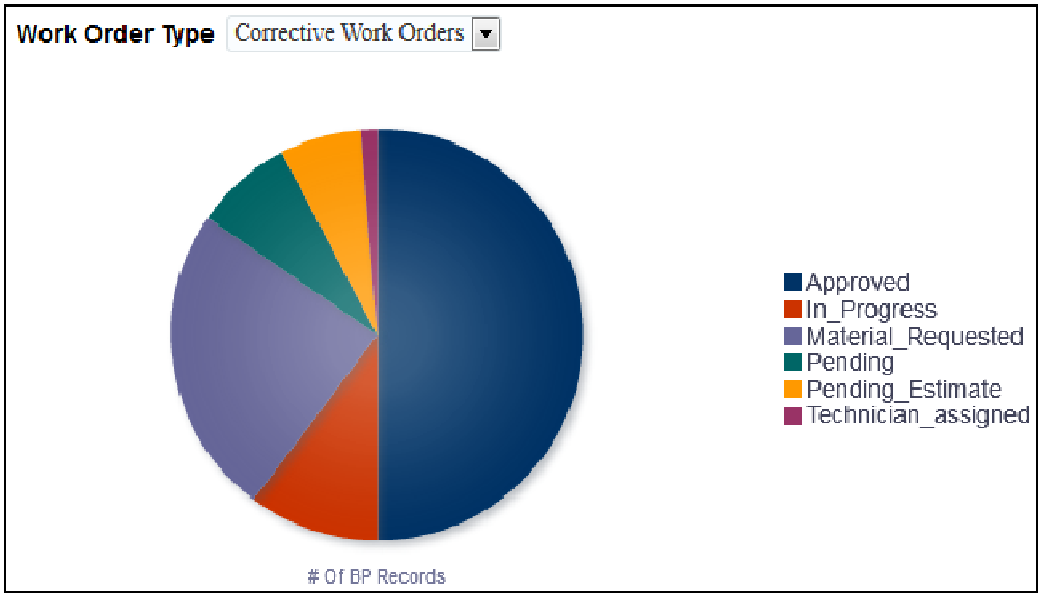
Subject Area

Space Management

Space Management History

Cost Sheet

Work Order by Status Section



Purpose

The pie chart shows record counts for each status of the selected work order type.

Location

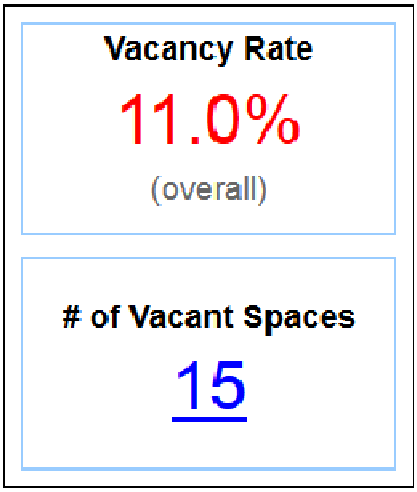
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Work Order by Status** section.

Subject Area

Business Process

Space Management Page

This page shows space management level and space details.

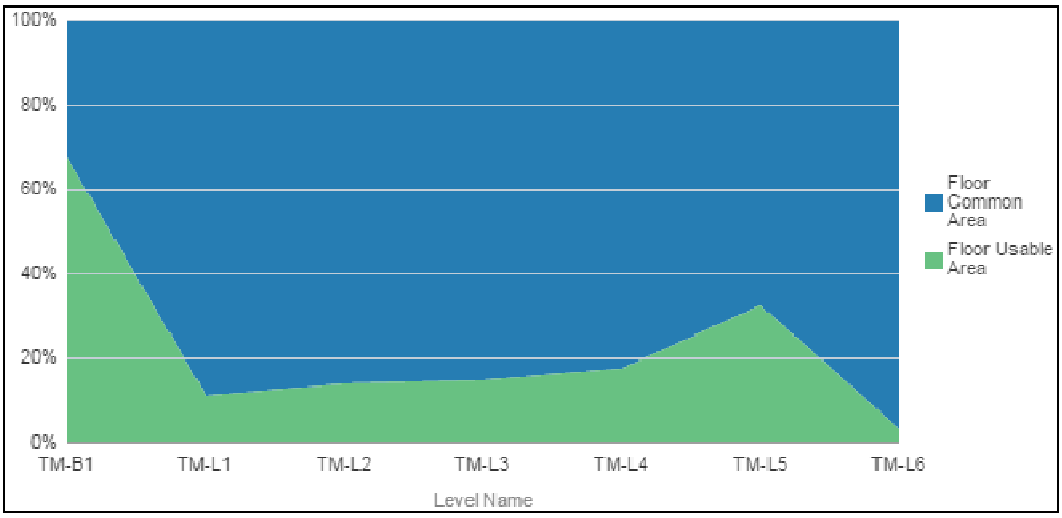


It provides the following narratives:

- Vacancy Rate
- # of Vacant Spaces

You can drill down to get details for both narratives.

Floor Rentable Area Section



Purpose

The stacked area chart displays rentable area for each floor broken down by Usable Area and Common Area. The x-axis shows the Level Name. The y-axis shows percentages.

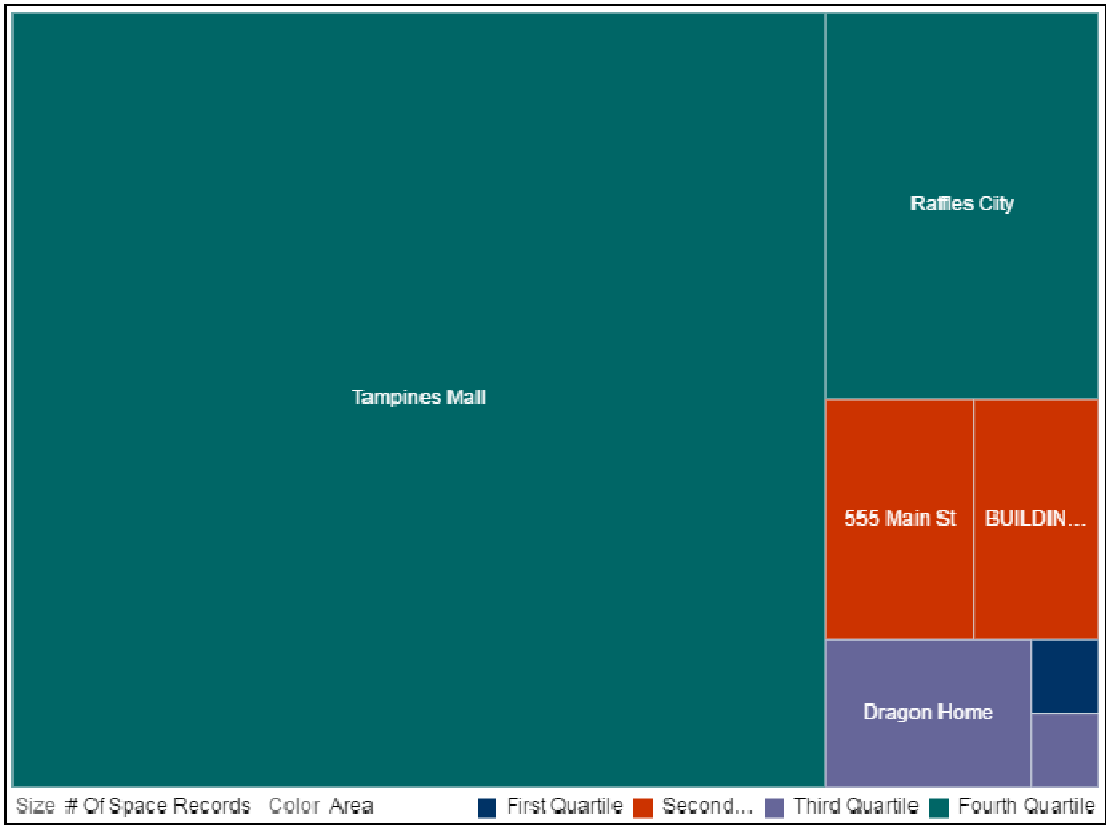
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Space Management** page.
4) On the **Space Management** page, expand the **Floor Rentable Area** section.

Subject Area

Space Management

Area by Space Type Section



Purpose

The tree map displays area by space type broken down by building name, number of space records, and area.

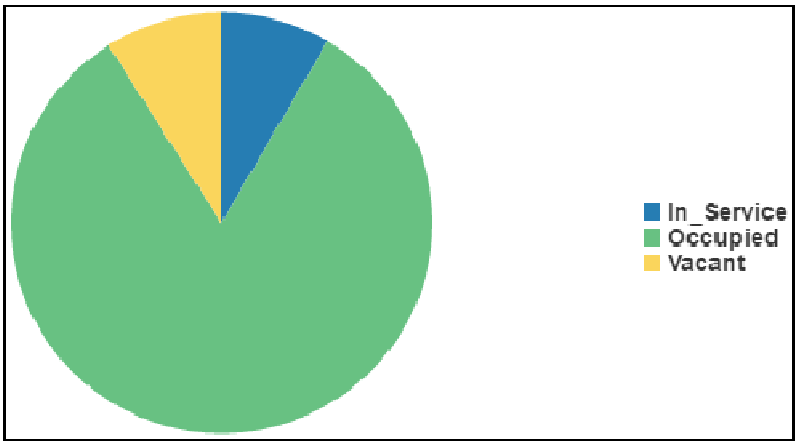
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Space Management** page.
4) On the **Space Management** page, expand the **Area by Space Type** section.

Subject Area

Space Management

Spaces by Level Status Section



Purpose

The pie chart displays spaces by level status broken down by level status and number of space records.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Space Management** page.
4) On the **Space Management** page, expand the **Spaces by Level Status** section.

Subject Area

Space Management

Space by Assigned Department Section

Assigned Department **Human Resources**

Building	Space Type Name	Space Name	Area	Unit of Measure	Monthly Rent
BUILDING-01	Usable Space		1,500	Sq ft	$0
Tampines Mall	Usable Space	Exec Office	600	Sq ft	$2,893
		Test Cube	500	Sq ft	$0
		Test Cube 2	500	Sq ft	$0
		Test Cube 3	500	Sq ft	$0

Purpose

The table shows space for the selected Assigned Department, and contains columns for:

- Building
- Space Type Name
- Space Name
- Area
- Unit of Measure
- Monthly Rent

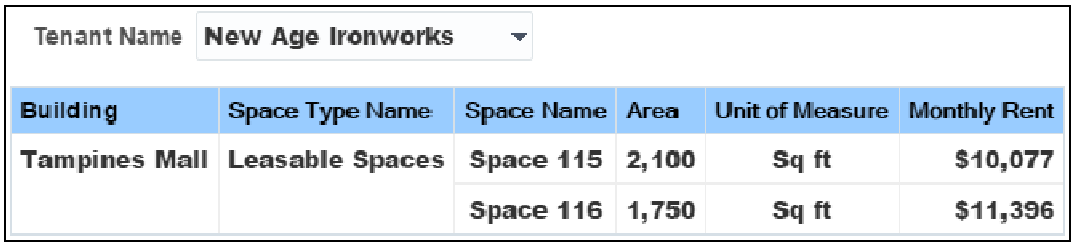
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Space Management** page.
4) On the **Space Management** page, expand the **Space by Assigned Department** section.

Subject Area

Space Management

Space by Tenant Section



Building	Space Type Name	Space Name	Area	Unit of Measure	Monthly Rent
Tampines Mall	Leasable Spaces	Space 115	2,100	Sq ft	$10,077
		Space 116	1,750	Sq ft	$11,396

Purpose

The pivot table shows space for the selected Tenant Name, and contains columns for:

- Building
- Space Type Name
- Space Name
- Area
- Unit of Measure
- Monthly Rent

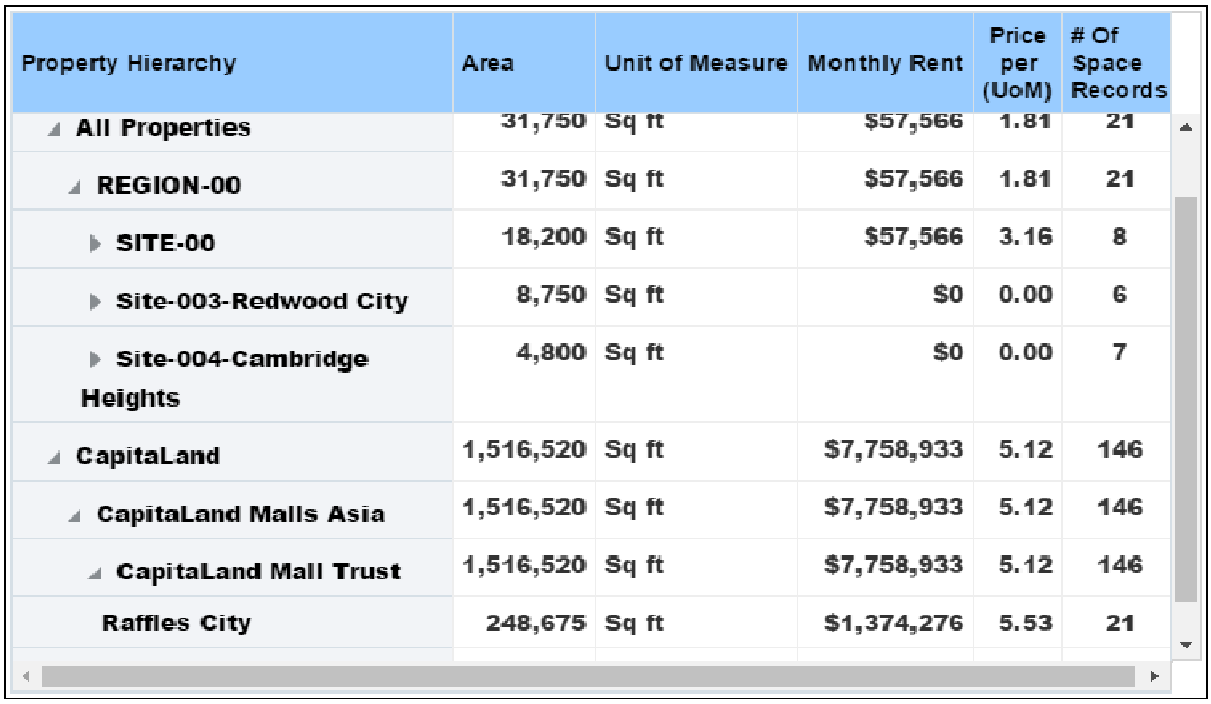
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Space Management** page.
4) On the **Space Management** page, expand the **Space by Tenant** section.

Subject Area

Space Management

Rent & Records by Property Hierarchy Section



Property Hierarchy	Area	Unit of Measure	Monthly Rent	Price per (UoM)	# Of Space Records
All Properties	31,750	Sq ft	$57,566	1.81	21
REGION-00	31,750	Sq ft	$57,566	1.81	21
SITE-00	18,200	Sq ft	$57,566	3.16	8
Site-003-Redwood City	8,750	Sq ft	$0	0.00	6
Site-004-Cambridge Heights	4,800	Sq ft	$0	0.00	7
CapitaLand	1,516,520	Sq ft	$7,758,933	5.12	146
CapitaLand Malls Asia	1,516,520	Sq ft	$7,758,933	5.12	146
CapitaLand Mall Trust	1,516,520	Sq ft	$7,758,933	5.12	146
Raffles City	248,675	Sq ft	$1,374,276	5.53	21

Purpose

The pivot table contains columns for:

- Area
- Unit of Measure
- Monthly Rent
- Price per (UoM)
- # of Space Records

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Space Management** page.
4) On the **Space Management** page, expand the **Rents & Records by Property Hierarchy** section.

Subject Area

Space Management

Building Owners and Managers Association (BOMA) Section

View By: Usable Areas

Building: Tampines Mall

					Usable Areas						
Level Name	Gross Building Area	Gross Measured Area	Major Vert Pen.	Floor Rentable Area	Office Area	Store Area	Building Common Area	Floor Usable Area	Floor Common Area	Floor R/U Ratio	Combined R/U Ratio
TM-B1	123,000	43,000	500	42,500	25,100	800	2,873	28,773	13,727	1.48	2.68
TM-L1	120,000	41,500	500	41,000	1,125	550	2,873	4,548	36,452	9.01	16.35
TM-L2	128,000	42,000	250	41,750	2,225	750	2,873	5,848	35,902	7.14	12.95
TM-L3	125,000	42,000	250	41,750	2,550	750	2,873	6,173	35,577	6.76	12.27
TM-L4	125,000	35,000	250	34,750	2,550	650	2,873	6,073	28,677	5.72	10.38
TM-L5	125,000	35,000	450	34,550	2,550	650	8,000	11,200	23,350	3.08	5.60
TM-L6	120,000	35,000	250	34,750	500	200	300	1,000	33,750	34.75	63.04
Grand Total	**866,000**	**273,500**	**2,450**	**271,050**	**36,600**	**4,350**	**22,665**	**63,615**	**207,435**	**4.26**	**7.73**

Purpose

The pivot table shows Building Owners and Managers Association (BOMA) details for the selected building. It includes columns for:

- Level Name
- Gross Building Area
- Gross Measured Area
- Major Vert Pen.
- Floor Rentable Area
- Useable Areas
  - Office Area
  - Store Area
  - Building Common Area
- Floor Useable Area
- Floor Common Area
- Floor R/U Ratio
- Combined R/U Ratio

Location

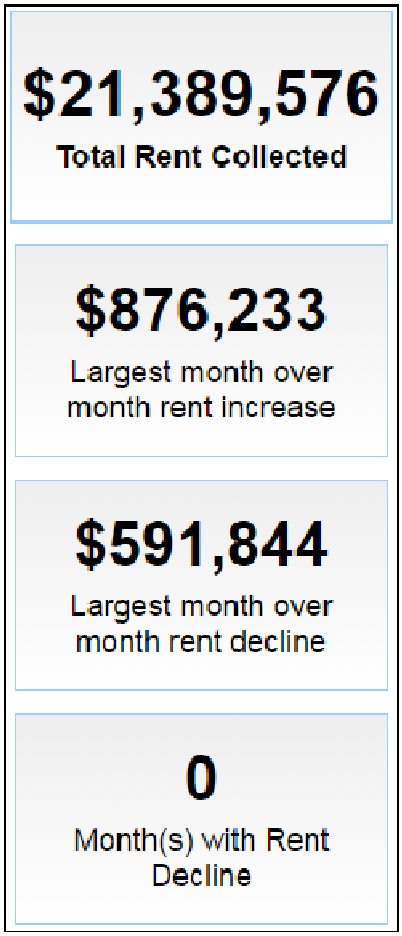
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Space Management** page.
4) On the **Space Management** page, expand the **Building Owners and Managers Association (BOMA)** section.

Subject Area

Space Management

Space Management History Page

This page shows historical space management level and space details.



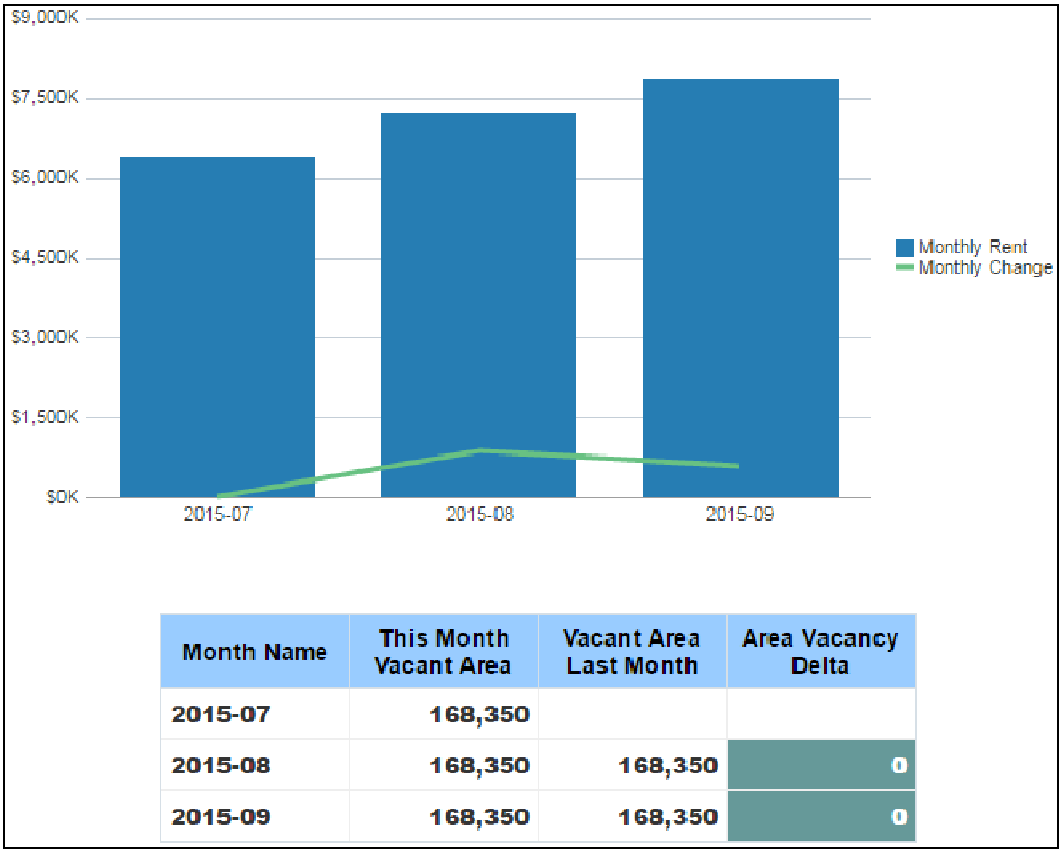
It provides the following narratives:

- Total Rent Collected
- Largest month over month rent increase
- Largest month over month rent decline
- Month(s) with Rent Decline

You can drill down to get details for the following narratives:

- Largest month over month rent increase
- Month(s) with Rent Decline

Rent & Area History Section



Month Name	This Month Vacant Area	Vacant Area Last Month	Area Vacancy Delta
2015-07	168,350		
2015-08	168,350	168,350	0
2015-09	168,350	168,350	0

Purpose

The line-bar chart displays rent history broken down by month name and monthly rent. The x-axis shows the year and month. The y-axis shows the cost of the monthly rent.

The pivot table shows area history details for the selected building. It includes columns for:

- Month Name
- This Month Vacant Area
- Vacant Area Last Month
- Area Vacancy Delta

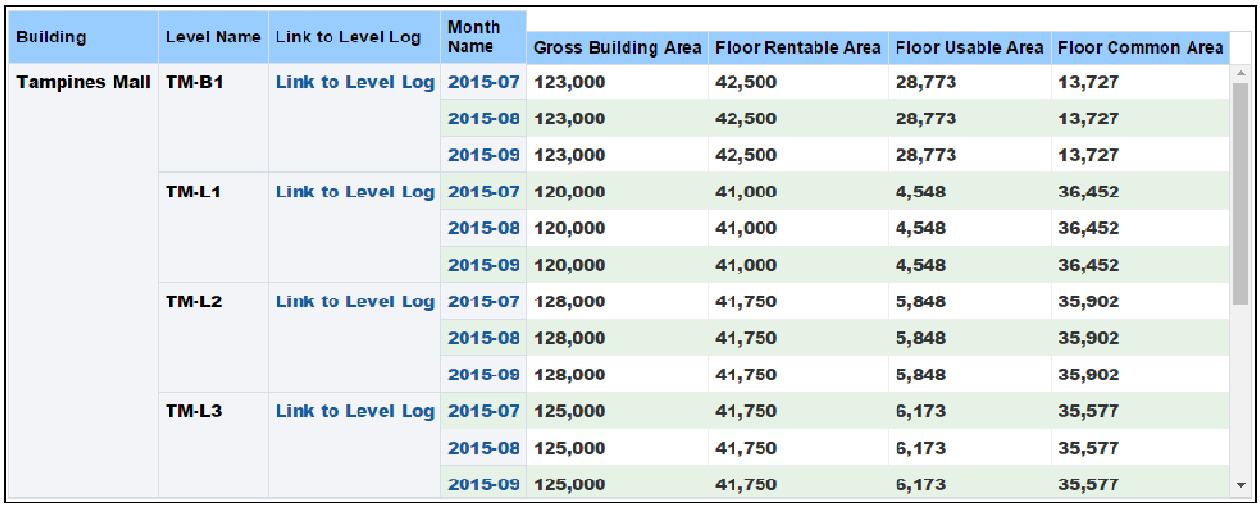
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Space Management History** page.
4) On the **Space Management History** page, expand the **Rent & Area History** section.

Subject Area

Space Management History

Level Summary History Section



Building	Level Name	Link to Level Log	Month Name	Gross Building Area	Floor Rentable Area	Floor Usable Area	Floor Common Area
Tampines Mall	TM-B1	Link to Level Log	2015-07	123,000	42,500	28,773	13,727
			2015-08	123,000	42,500	28,773	13,727
			2015-09	123,000	42,500	28,773	13,727
	TM-L1	Link to Level Log	2015-07	120,000	41,000	4,548	36,452
			2015-08	120,000	41,000	4,548	36,452
			2015-09	120,000	41,000	4,548	36,452
	TM-L2	Link to Level Log	2015-07	128,000	41,750	5,848	35,902
			2015-08	128,000	41,750	5,848	35,902
			2015-09	128,000	41,750	5,848	35,902
	TM-L3	Link to Level Log	2015-07	125,000	41,750	6,173	35,577
			2015-08	125,000	41,750	6,173	35,577
			2015-09	125,000	41,750	6,173	35,577

Purpose

The pivot table shows level summary history details for the selected building. It includes columns for:

- Building
- Level Name
- Link to Level Log
- Month Name
- Gross Building Area
- Floor Rentable Area
- Floor Useable Area
- Floor Common Area

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Space Management History** page.
4) On the **Space Management History** page, expand the **Level Summary History** section.

Subject Area

Space Management History

BOMA Sheet by Month Section

View by: Usable Area

Building: Tampines Mall Month Name: 2015-07

					Usable Areas						
Level Name	Gross Building Area	Gross Measured Area	Major Vert Pen.	Floor Rentable Area	Office Area	Store Area	Bldg. Common Area	Floor Usable Area	Floor Common Area	Floor R/U Ratio	Comb. R/U Ratio
TM-B1	123,000	43,000	500	42,500	25,100	800	2,873	28,773	13,727	1.48	2.68
TM-L1	120,000	41,500	500	41,000	1,125	550	2,873	4,548	36,452	9.01	16.35
TM-L2	128,000	42,000	250	41,750	2,225	750	2,873	5,848	35,902	7.14	12.95
TM-L3	125,000	42,000	250	41,750	2,550	750	2,873	6,173	35,577	6.76	12.27
TM-L4	125,000	35,000	250	34,750	2,550	650	2,873	6,073	28,677	5.72	10.38
TM-L5	125,000	35,000	450	34,550	2,550	650	8,000	11,200	23,350	3.08	5.60
TM-L6	120,000	35,000	250	34,750	500	200	300	1,000	33,750	34.75	63.04
Grand Total	**866,000**	**273,500**	**2,450**	**271,050**	**36,600**	**4,350**	**22,665**	**63,615**	**207,435**	**4.26**	**7.73**

Purpose

The pivot table shows BOMA details by month for the selected building. It includes columns for:

- Level Name
- Gross Building Area
- Gross Measured Area
- Major Vert Pen.
- Floor Rentable Area
- Useable Areas
  - Office Area
  - Store Area
  - Building Common Area
- Floor Useable Area
- Floor Common Area
- Floor R/U Ratio
- Combination R/U Ratio

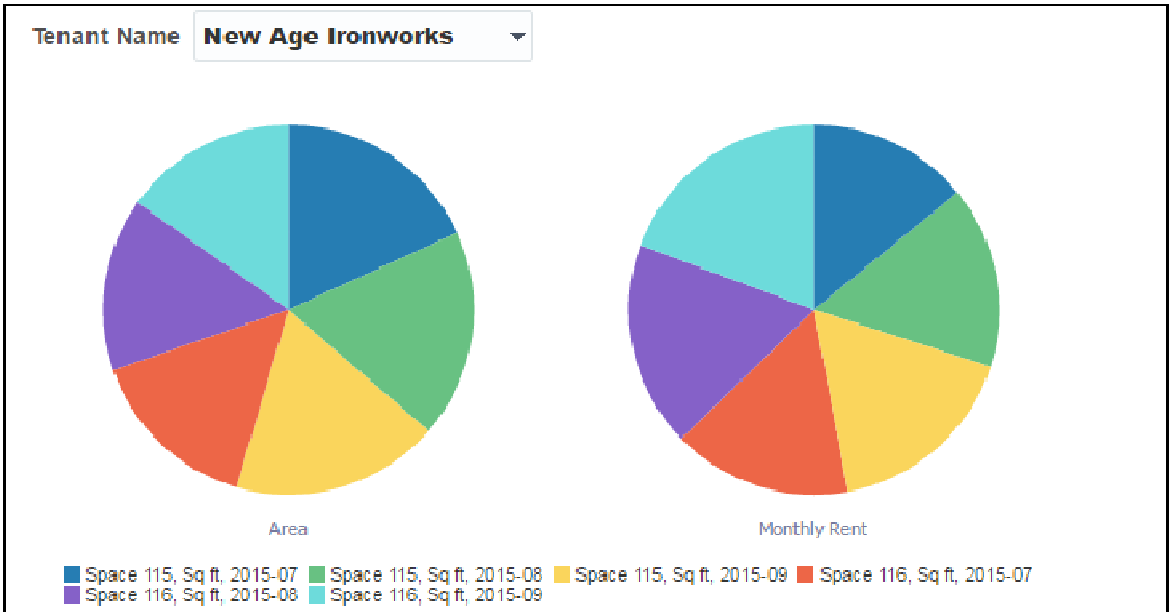
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Space Management History** page.
4) On the **Space Management History** page, expand the **BOMA Sheet by Month** section.

Subject Area

Space Management History

Space History by Tenant Section



Building	Space Type Name	Space Name	Unit of Measure	Month Name	Area	Monthly Rent
Tampines Mall	Leasable Spaces	Space 115	Sq ft	2015-07	2,100	$8,299
				2015-08	2,100	$9,387
				2015-09	2,100	$10,077
		Space 116	Sq ft	2015-07	1,750	$9,229
				2015-08	1,750	$10,592
				2015-09	1,750	$11,396

Purpose

The pie chart on the left displays the selected tenant's area broken down by building, space type name, space name, unit of measure, month name, and area. The pie chart on the right shows the selected tenant's monthly rent broken down by building, space type name, space name, unit of measure, month name, and monthly rent.

The pivot table shows space history details for the selected building. It includes columns for:

- Building
- Space Type Name
- Space Name
- Unit of Measure

- Month Name
- Area
- Monthly Rent

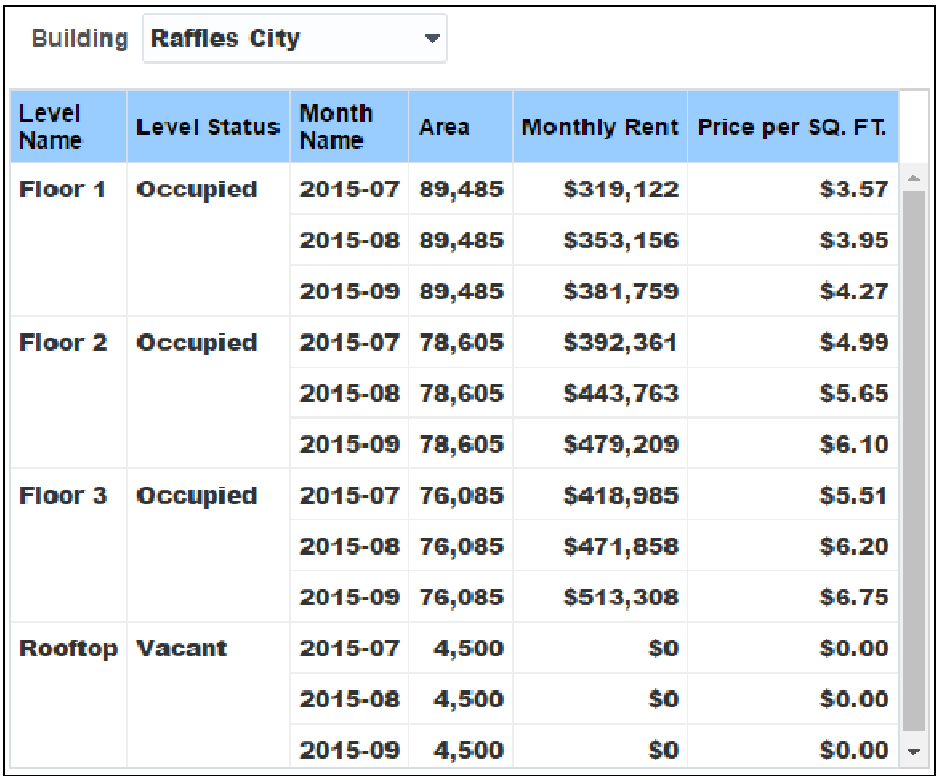
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Space Management History** page.
4) On the **Space Management History** page, expand the **Space History by Tenant** section.

Subject Area

Space Management History

Historical Rents by Building Section



Level Name	Level Status	Month Name	Area	Monthly Rent	Price per SQ. FT.
Floor 1	Occupied	2015-07	89,485	$319,122	$3.57
		2015-08	89,485	$353,156	$3.95
		2015-09	89,485	$381,759	$4.27
Floor 2	Occupied	2015-07	78,605	$392,361	$4.99
		2015-08	78,605	$443,763	$5.65
		2015-09	78,605	$479,209	$6.10
Floor 3	Occupied	2015-07	76,085	$418,985	$5.51
		2015-08	76,085	$471,858	$6.20
		2015-09	76,085	$513,308	$6.75
Rooftop	Vacant	2015-07	4,500	$0	$0.00
		2015-08	4,500	$0	$0.00
		2015-09	4,500	$0	$0.00

Purpose

The pivot table shows historical rents details for the selected building. It includes columns for:

- Level Name
- Level Status
- Month Name
- Area
- Monthly Rent

- Price per Square Ft.

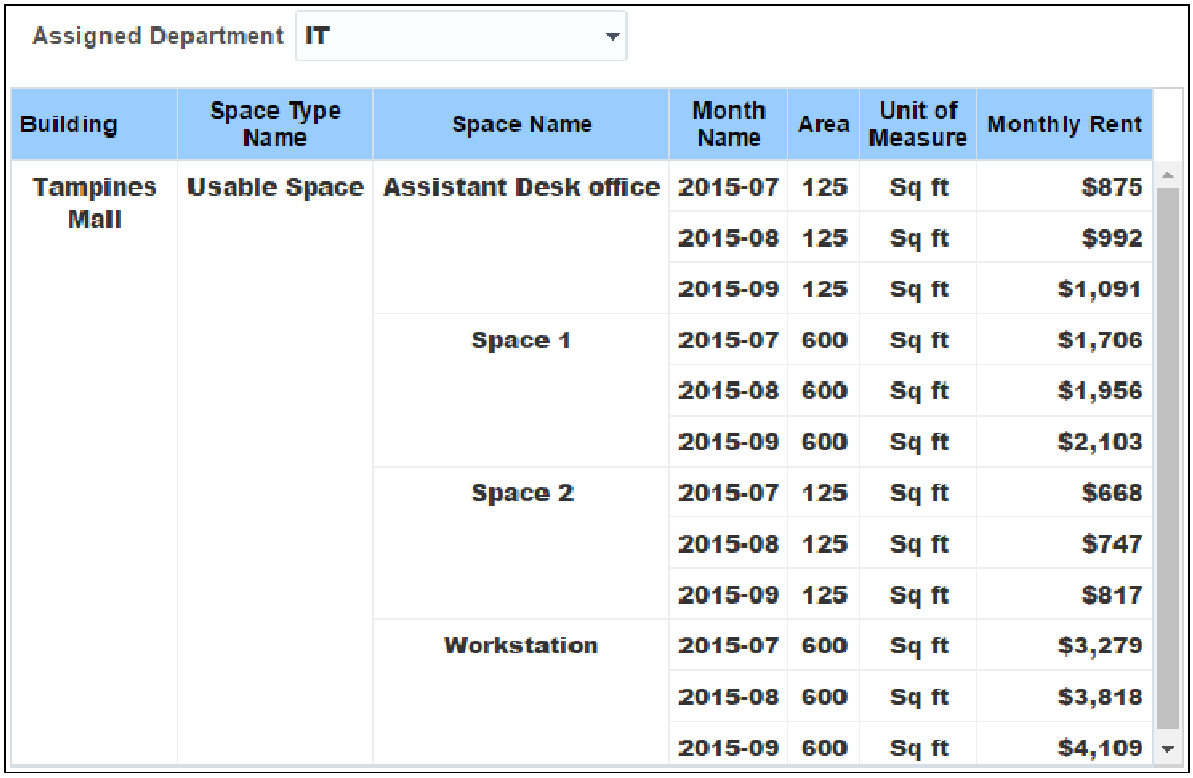
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Space Management History** page.
4) On the **Space Management History** page, expand the **Historical Rents by Building** section.

Subject Area

Space Management History

Historical Rent by Department Section



Building	Space Type Name	Space Name	Month Name	Area	Unit of Measure	Monthly Rent
Tampines Mall	Usable Space	Assistant Desk office	2015-07	125	Sq ft	$875
			2015-08	125	Sq ft	$992
			2015-09	125	Sq ft	$1,091
		Space 1	2015-07	600	Sq ft	$1,706
			2015-08	600	Sq ft	$1,956
			2015-09	600	Sq ft	$2,103
		Space 2	2015-07	125	Sq ft	$668
			2015-08	125	Sq ft	$747
			2015-09	125	Sq ft	$817
		Workstation	2015-07	600	Sq ft	$3,279
			2015-08	600	Sq ft	$3,818
			2015-09	600	Sq ft	$4,109

Purpose

The pivot table shows historical rent details for the selected department. It includes columns for:

- Building
- Space Type Name
- Space Name
- Month Name
- Area
- Unit of Measure

- Monthly Rent

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Space Management History** page.
4) On the **Space Management History** page, expand the **Historical Rent by Department** section.

Subject Area

Space Management History

Cost Sheet Page

This page shows cost sheet details. Expand the Leases and Budget sections to view the following:

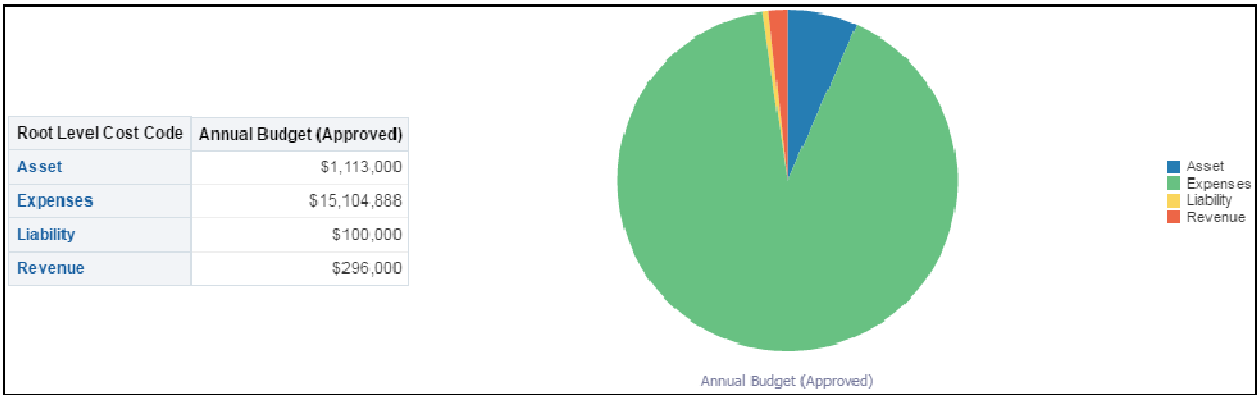
It provides the following narratives:

- Leases
  - Lease Amend. Requests
  - Lease Invoices
  - Lease Payments
  - Leases
- Budget
  - Annual Budget
  - Budget Changes

You can drill down to get details for the following narratives:

- Leases
  - Leases
- Budget
  - Annual Budget

Approved Budget by Root Cost Code Section



Purpose

The pie chart on the right displays details of the annual budget (approved). It is broken down by the root level cost code: asset, expenses, liability, and revenue.

The table on the left shows the approved budget by root level cost code details for the selected building.

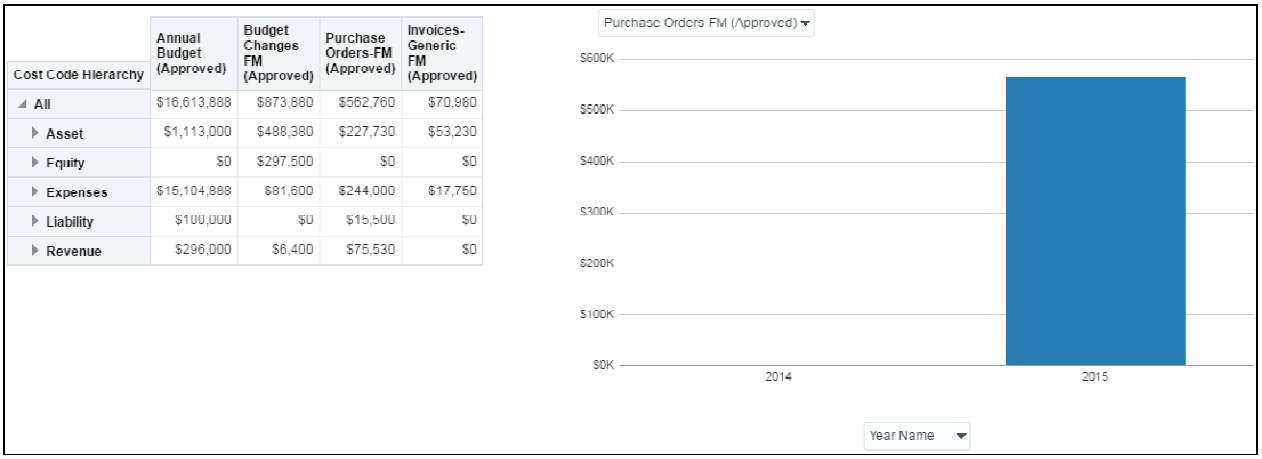
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Cost Sheet** page.
4) On the **Cost Sheet** page, expand the **Approved Budget by Root Cost Code** section.

Subject Area

Cost Sheet

Cost Sheet Section



Purpose

Depending on the selection, the bar graph on the right displays annual budget (approved), budget changes-FM (approved), purchase orders-FM (approved), or invoices-generic-FM (approved) details. Depending on the selection, the x-axis represents the year, quarter, or month name. The y-axis represents the cost.

The pivot table to the left displays the cost code hierarchy. You can view the hierarchy and break down of each cost code: asset, equity, expenses, liability, and revenue.

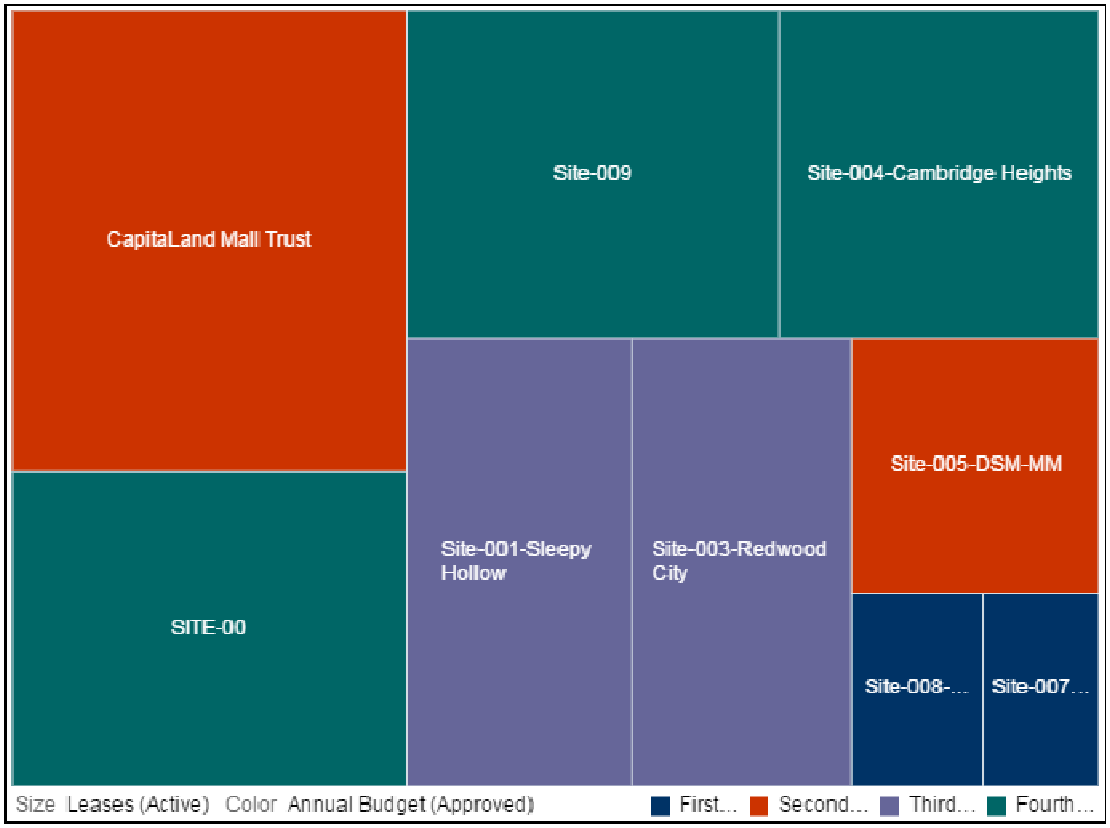
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Cost Sheet** page.
4) On the **Cost Sheet** page, expand the **Cost Sheet** section.

Subject Area

Cost Sheet

Lease and Budget by Building Section



Purpose

The tree map displays lease and budget details by building name. It is broken down by project hierarchy name level, lease (active) amount, and the annual budget (approved).

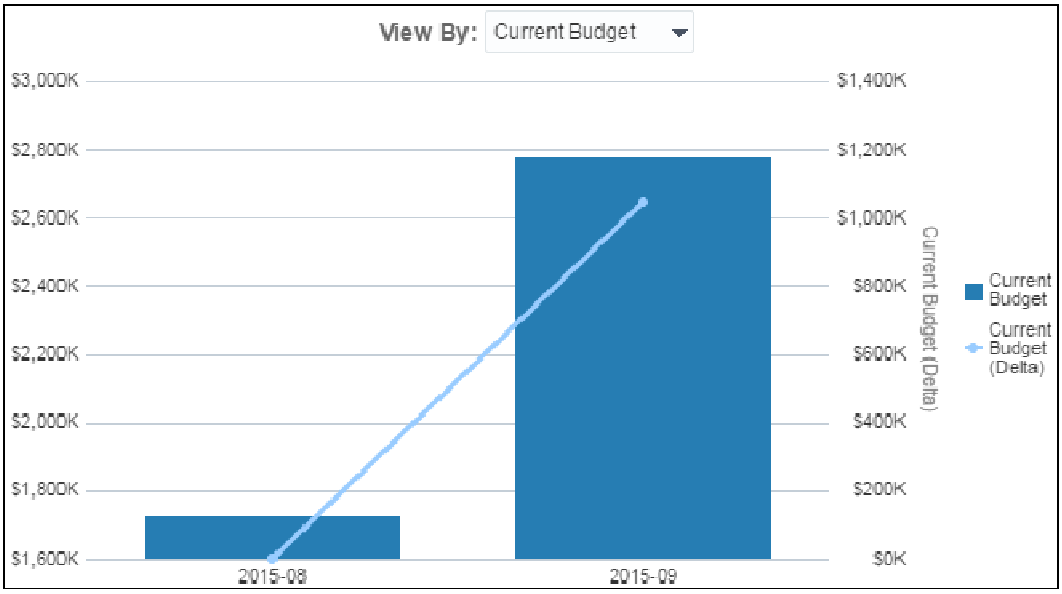
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Cost Sheet** page.
4) On the **Cost Sheet** page, expand the **Lease and Budget by Building** section.

Subject Area

Cost Sheet

Budget by Month Section



Purpose

Depending on the selection, the line-bar chart displays details of the current, revised, or remaining budget by month. It is broken down by month name and the current budget. The x-axis shows the month name . The y-axis shows the current budget.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Facilities and Real Estate**.
3) On the **Facilities and Real Estate** dashboard, click the **Cost Sheet** page.
4) On the **Cost Sheet** page, expand the **Budget by Month** section.

Subject Area

Cost Sheet

Portfolio Analysis Dashboard

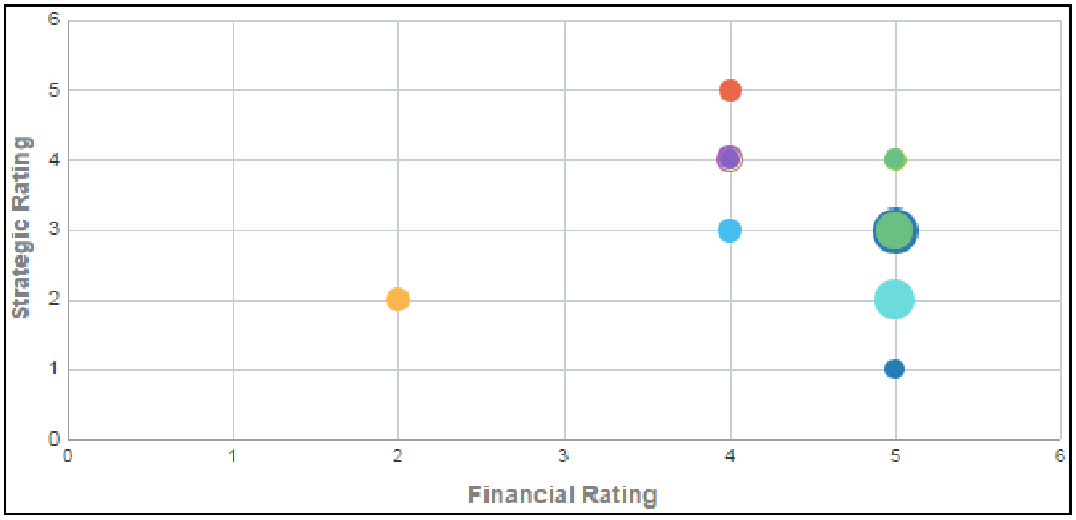
The Portfolio Analysis dashboard uses data from P6 EPPM.

It 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

The bubble chart 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.

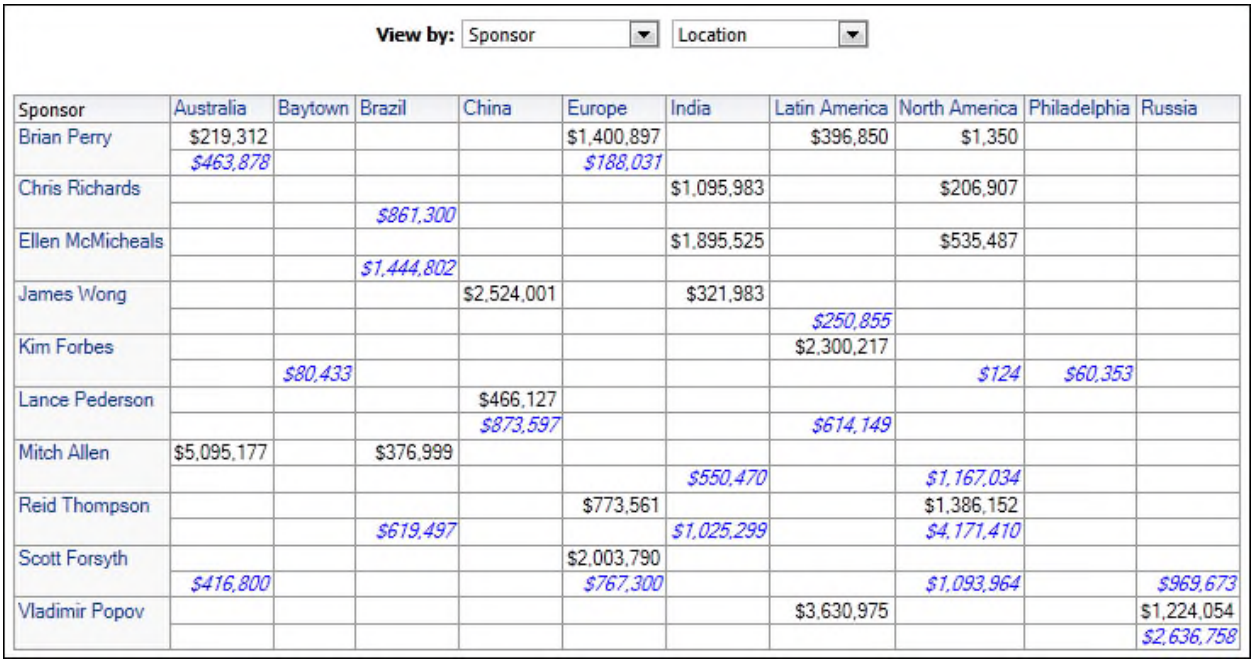
Location

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

Subject Area

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

The 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 displayed in black text.

Location

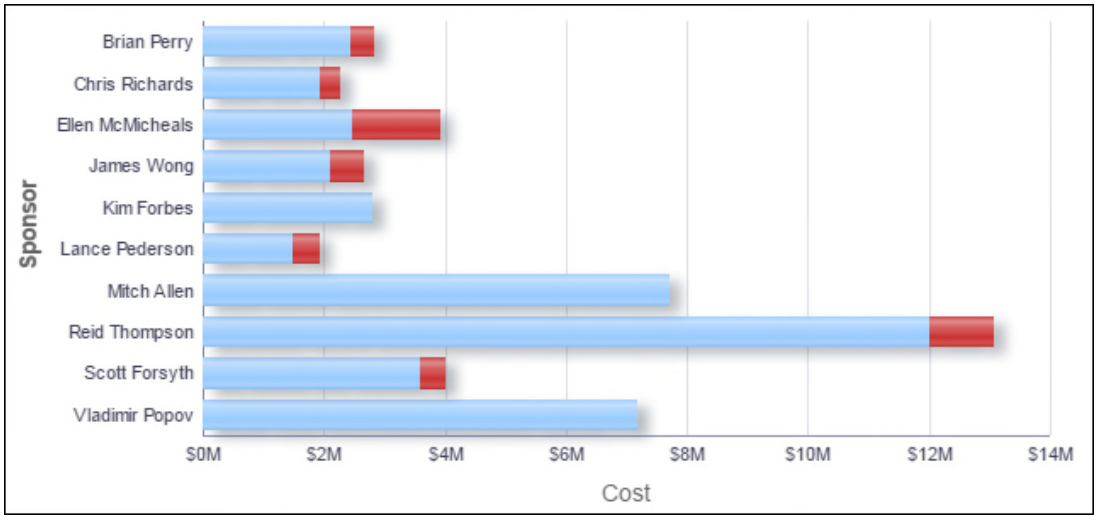
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Portfolio Analysis**.

3) On the **Portfolio Analysis** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Proposed vs. Committed Cost** section.

Subject Area

Activity

Project Performance by Sponsor Section



Purpose

The bar chart 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.

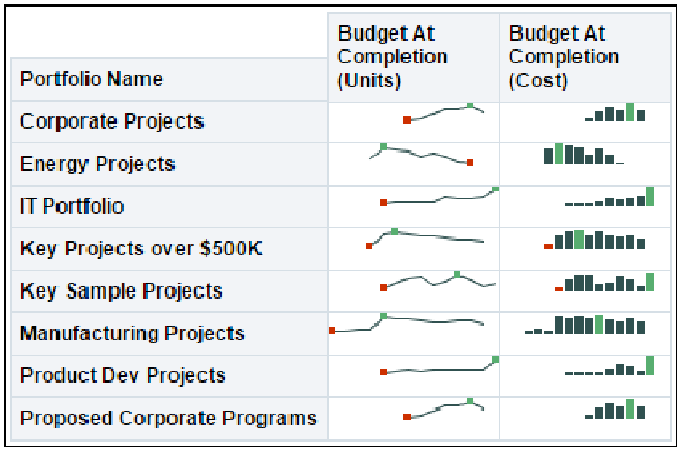
Location

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 Area

Activity

Budget at Completion by Portfolio Section



Portfolio Name	Budget At Completion (Units)	Budget At Completion (Cost)
Corporate Projects		
Energy Projects		
IT Portfolio		
Key Projects over $500K		
Key Sample Projects		
Manufacturing Projects		
Product Dev Projects		
Proposed Corporate Programs		

Purpose

The table displays portfolio budget at completion (units) and budget at completion (cost) 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 **Budget at Completion by Portfolio** section.

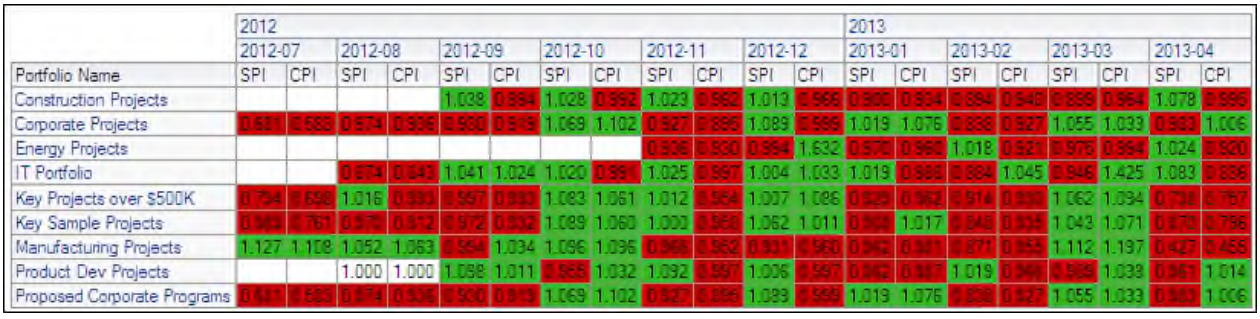
Subject Area

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



	2012												2013							
	2012-07		2012-08		2012-09		2012-10		2012-11		2012-12		2013-01		2013-02		2013-03		2013-04	
Portfolio Name	SPI	CPI	SPI	CPI	SPI	CPI	SPI	CPI	SPI	CPI	SPI	CPI	SPI	CPI	SPI	CPI	SPI	CPI	SPI	CPI
Construction Projects					1.038	0.894	1.028	0.992	1.023	0.962	1.013	0.966	0.900	0.934	0.884	0.940	0.859	0.964	1.078	0.995
Corporate Projects	0.681	0.583	0.974	0.936	0.980	0.915	1.069	1.102	0.927	0.896	1.089	0.986	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	0.962	1.018	0.921	0.978	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	0.983	0.884	1.045	0.946	1.425	1.083	0.886
Key Projects over $500K	0.794	0.698	1.016	0.933	0.957	0.933	1.083	1.061	1.012	0.964	1.007	1.086	0.929	0.962	0.914	0.930	1.062	1.094	0.758	0.767
Key Sample Projects	0.961	0.761	0.979	0.912	0.972	0.932	1.089	1.060	1.000	0.968	1.052	1.011	0.968	1.017	0.946	0.935	1.043	1.071	0.870	0.798
Manufacturing Projects	1.127	1.108	1.052	1.063	0.994	1.034	1.096	1.096	0.968	0.982	0.931	0.960	0.942	0.981	0.871	0.954	1.112	1.197	0.427	0.458
Product Dev Projects			1.000	1.000	1.038	1.011	0.985	1.032	1.032	0.997	1.006	0.997	0.942	0.987	1.019	0.949	0.989	1.039	0.961	1.014
Proposed Corporate Programs	0.681	0.583	0.974	0.936	0.980	0.915	1.069	1.102	0.927	0.896	1.089	0.986	1.019	1.076	0.838	0.927	1.055	1.033	0.983	1.006

Purpose

The pivot table shows CPI and SPI per month for each portfolio. CPIs and SPIs lower than 1.000 are highlighted in red; 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 Area

Activity

Portfolio View Section

	Cost				Units (hours)			
Portfolio Name	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

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

The pivot table contains 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.

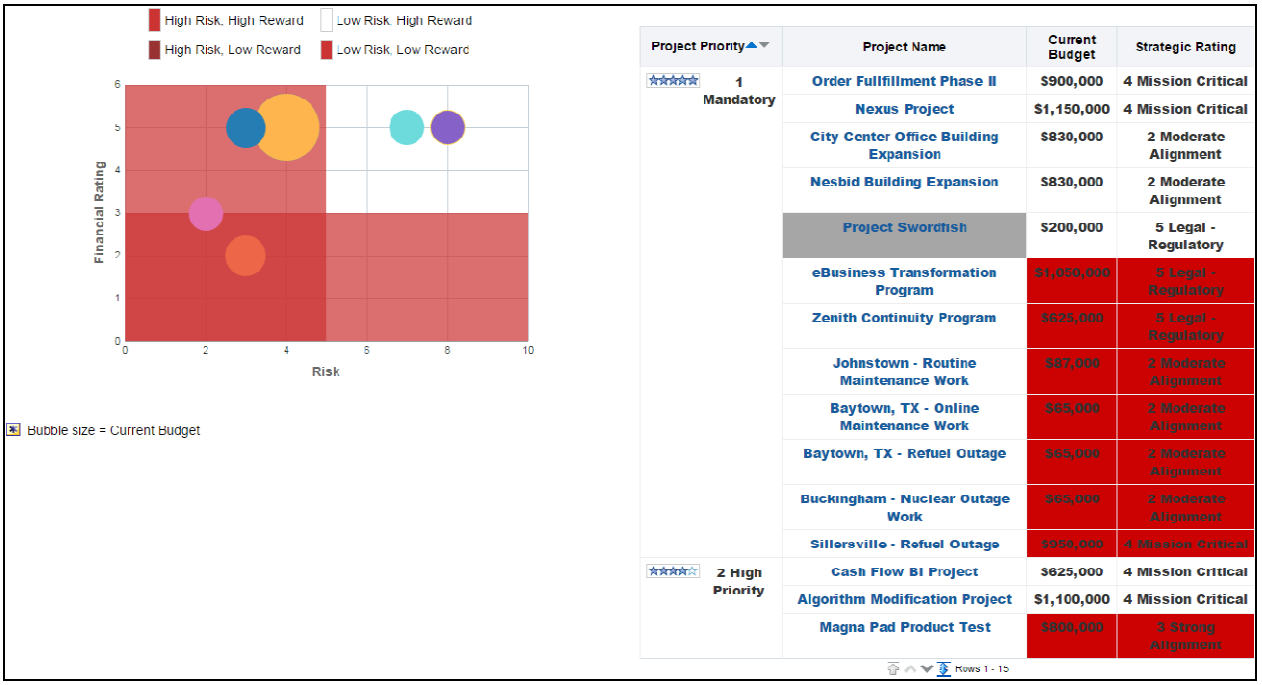
Subject Area

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



Project Priority	Project Name	Current Budget	Strategic Rating
1 Mandatory	Order Fullfillment Phase II	$900,000	4 Mission Critical
	Nexus Project	$1,150,000	4 Mission Critical
	City Center Office Building Expansion	$830,000	2 Moderate Alignment
	Nesbid Building Expansion	$830,000	2 Moderate Alignment
	Project Swordfish	$200,000	5 Legal - Regulatory
	eBusiness Transformation Program	$1,050,000	5 Legal - Regulatory
	Zenith Continuity Program	$625,000	5 Legal - Regulatory
	Johnstown - Routine Maintenance Work	$87,000	2 Moderate Alignment
	Baytown, TX - Online Maintenance Work	$65,000	2 Moderate Alignment
	Baytown, TX - Refuel Outage	$65,000	2 Moderate Alignment
	Buckingham - Nuclear Outage Work	$65,000	2 Moderate Alignment
	Sillersville - Refuel Outage	$950,000	4 Mission Critical
2 High Priority	Cash Flow BI Project	$625,000	4 Mission Critical
	Algorithm Modification Project	$1,100,000	4 Mission Critical
	Magna Pad Product Test	$800,000	3 Strong Alignment

Rows 1 - 15

Purpose

The bubble chart plots projects according to their financial rating and risk. Bubbles in the red quadrant of the bubble chart have a low financial rating (reward) and a high risk; 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.

The pivot table groups projects according to their priority. The pivot table contains 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).

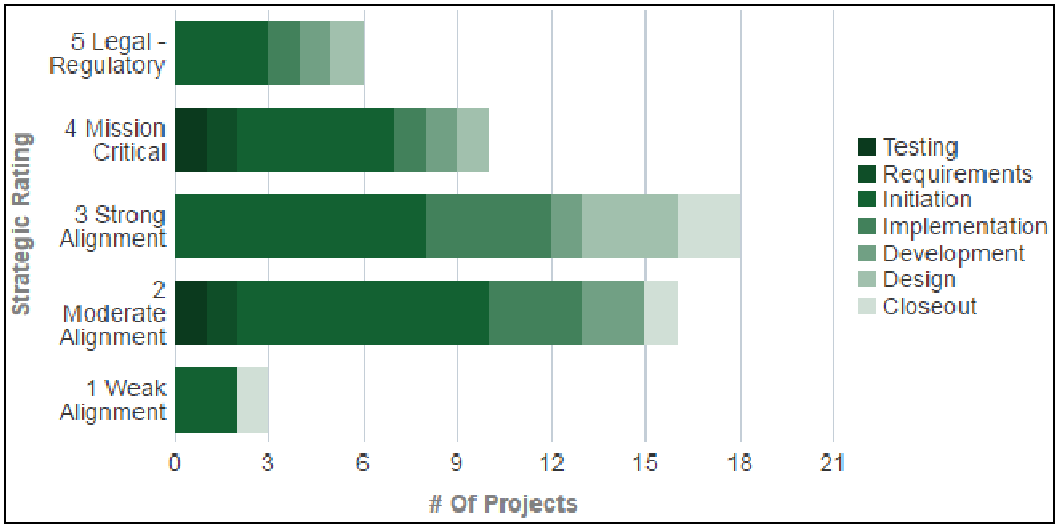
Location

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 Area

Activity

Project Initiation Section



Purpose

The bar chart 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

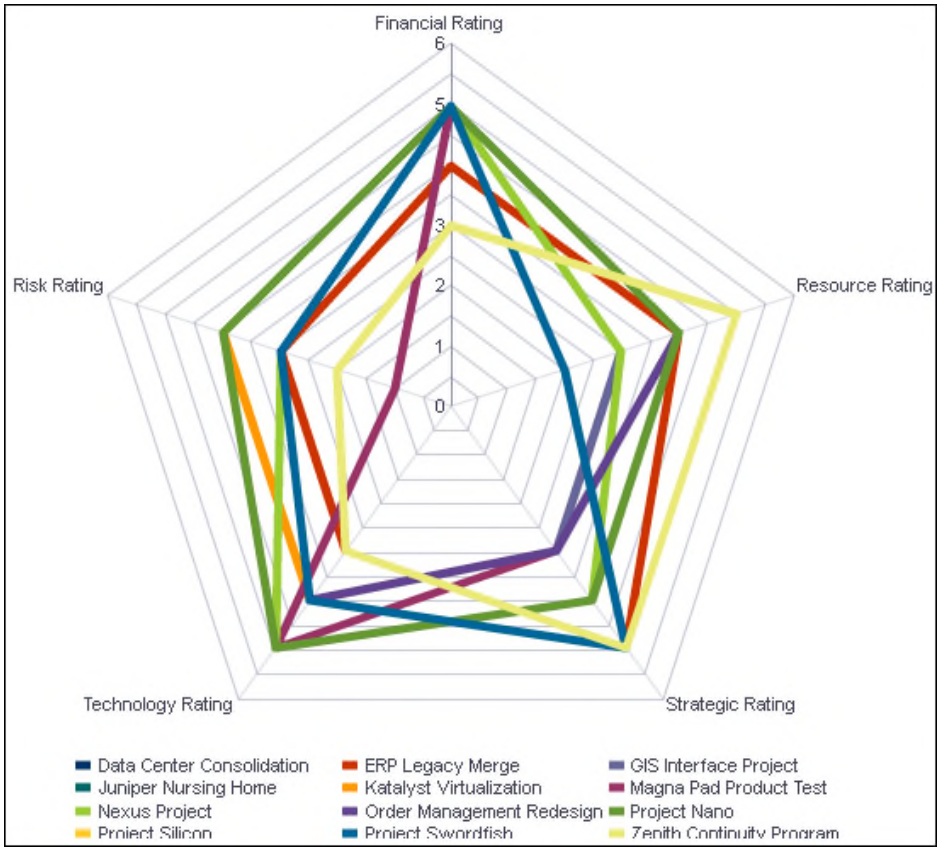
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Portfolio Analysis**.

3) On the **Portfolio Analysis** dashboard, click the **Prioritization** page.
4) On the **Prioritization** page, expand the **Project Initiation** section.

Subject Area

Activity

Rating Section



Purpose

The radar chart shows project code ratings per project.

Each colored line on the chart 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 Area

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 Fullfillment 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

The 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 contains 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.

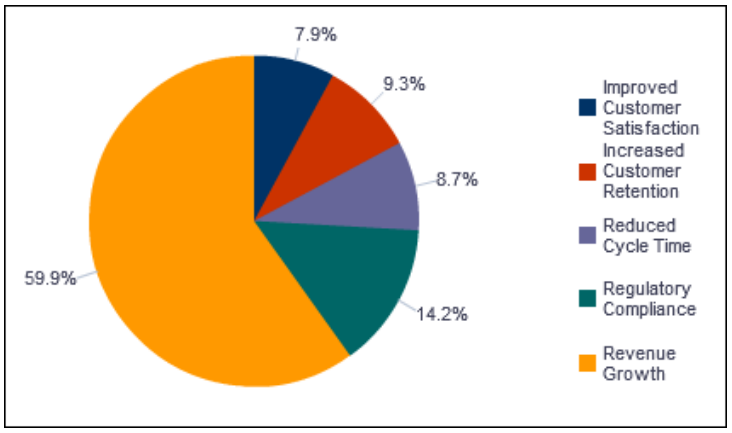
Subject Area

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

The 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

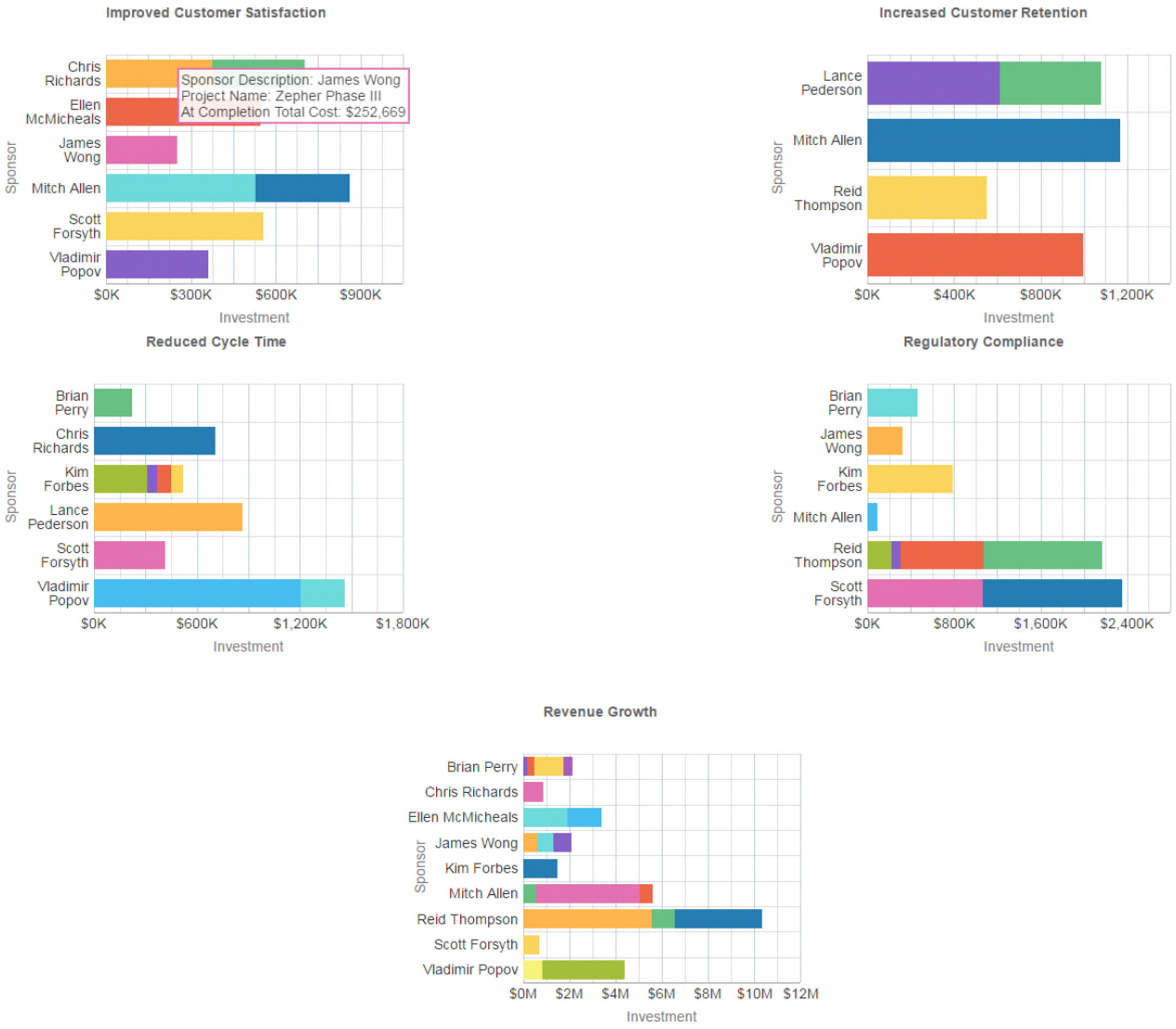
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Portfolio Analysis**.

3) On the **Portfolio Analysis** dashboard, click the **Objectives** page.
4) On the **Objectives** page, expand the **Investment by Strategic Objective** section.

Subject Area

Activity

Project Performance by Strategic Objective Section



Purpose

The Improved Customer Satisfaction, Increased Customer Retention, Reduced Cycle Time, Regulatory Compliance, and Revenue Growth stacked bar charts show the investment amount for projects grouped by sponsor name. Each chart 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 Area

Activity

Project Earned Value Dashboard for P6 EPPM

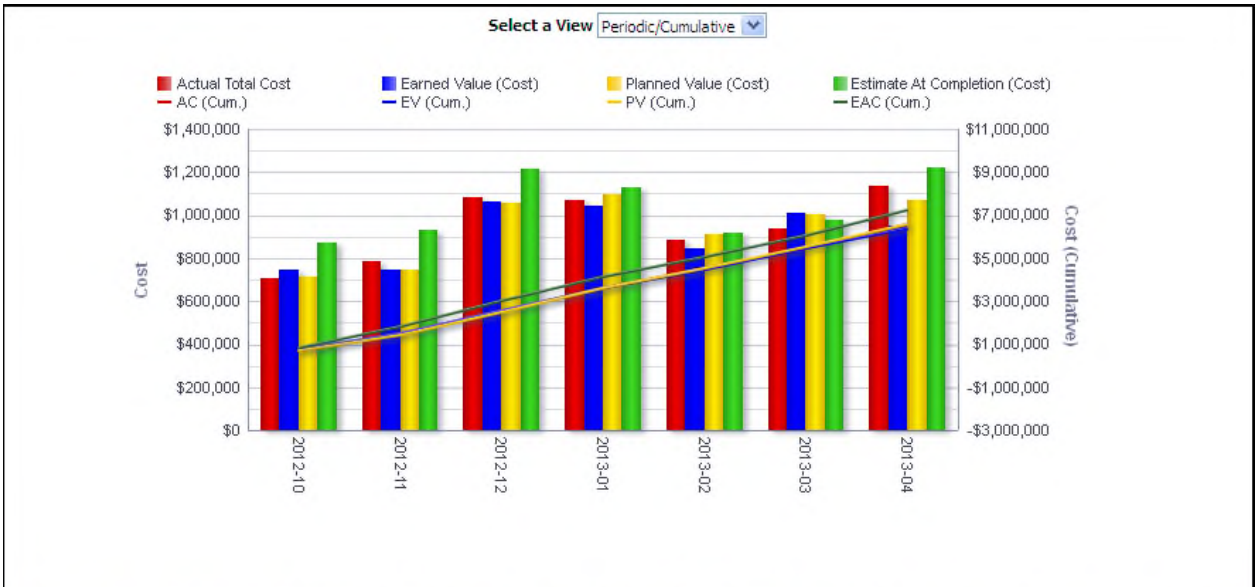
The Project Earned Value dashboard gives an overview of the earned value status of your projects, including SPI and CPI. This dashboard is available for:

- P6 EPPM
- Unifier

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 displays. The available views are:

- Periodic/Cumulative
- Periodic
- Cumulative

The line-bar chart 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 chart 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).

The pivot table breaks down cost data by year, quarter, and month. Depending on the selected view, the table contains 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)

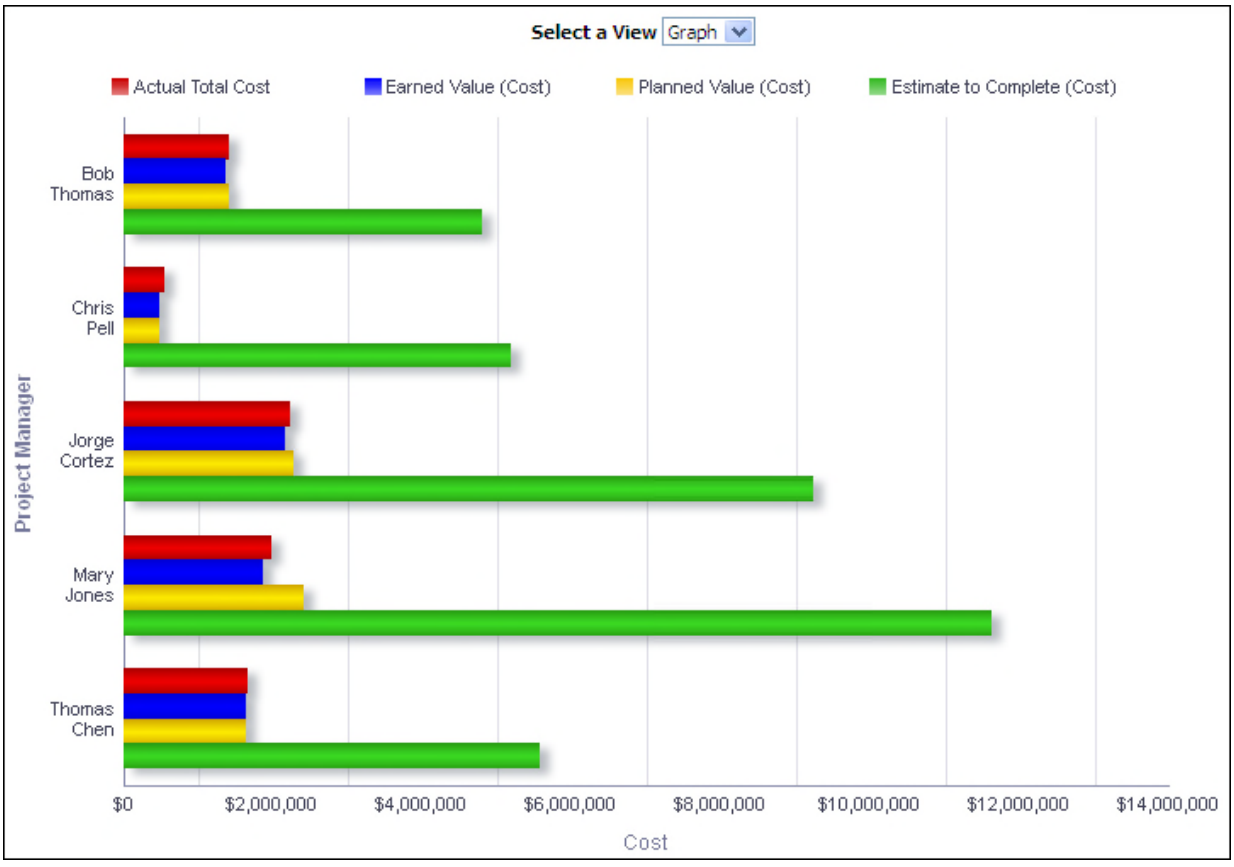
Location

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 Area

Activity

Project Earned Value Breakdown Section



Purpose

Use the **Select a View** list to determine whether this cost information displays as a bar chart or table. Regardless of the view chosen, the data is the same.

The bar chart 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.

The 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.

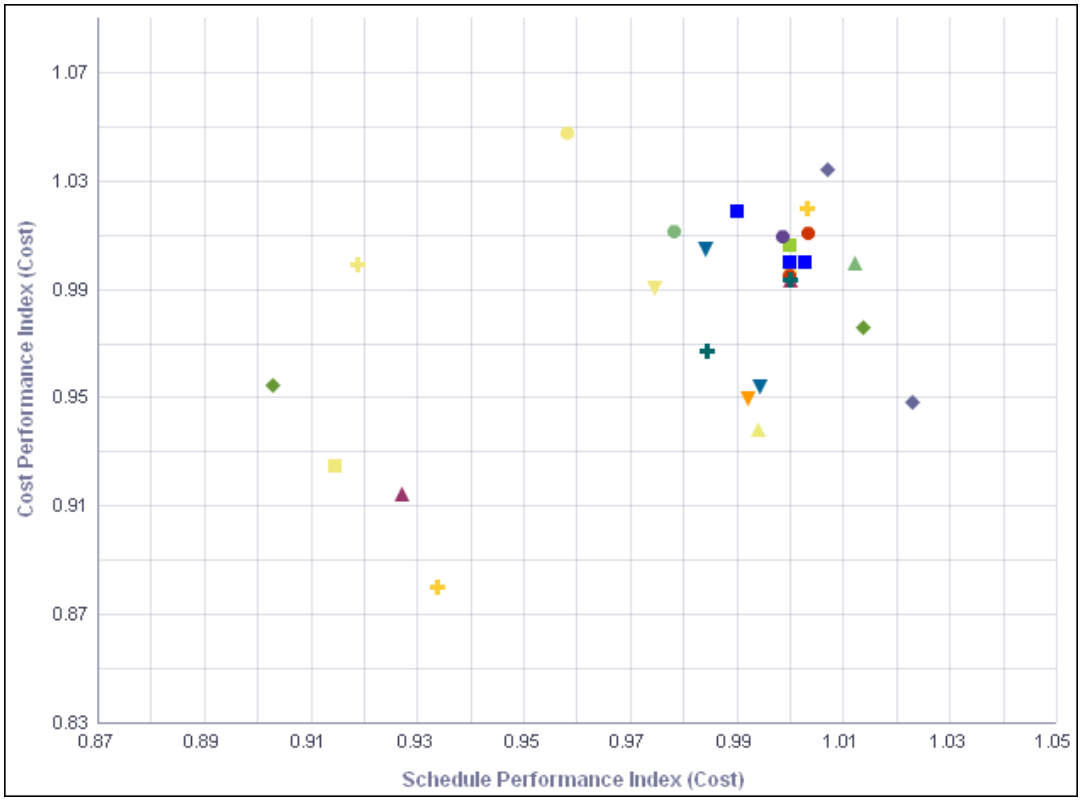
Subject Area

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

The scatter chart plots each project 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.

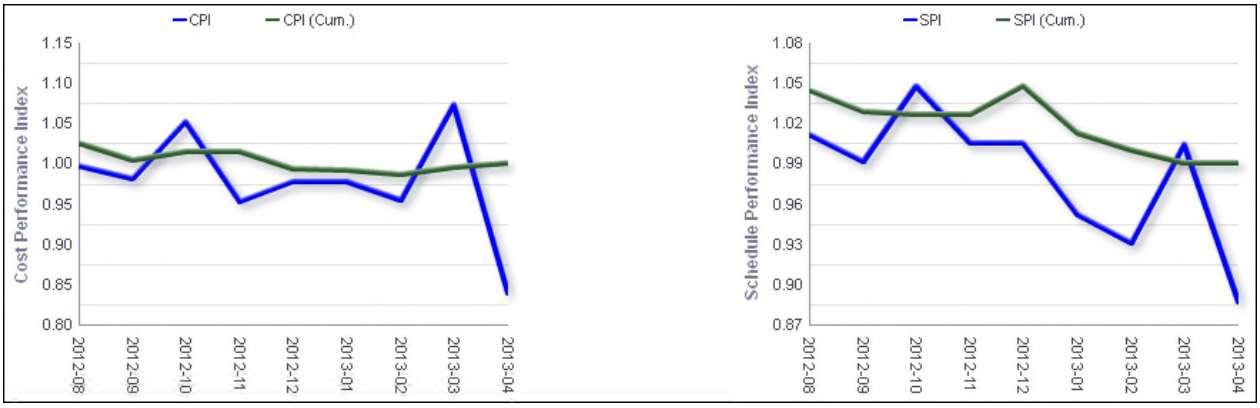
Location

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 Area

Activity

CPI/SPI Section



Purpose

This section shows:

- A line chart which plots the CPI and Cumulative CPI by month.
- A line chart 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.

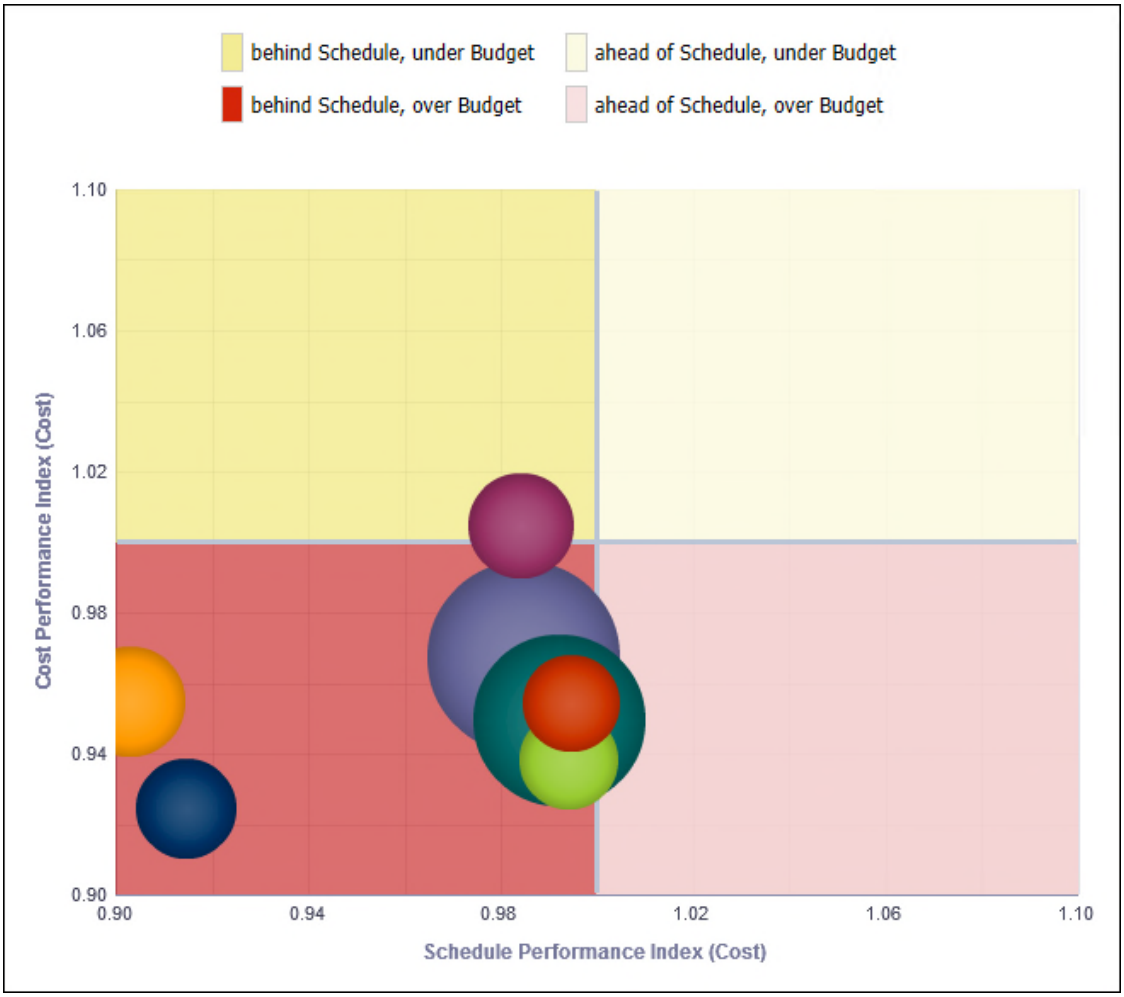
Location

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 Area

Activity

Performance Index Section



Purpose

The bubble chart 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.

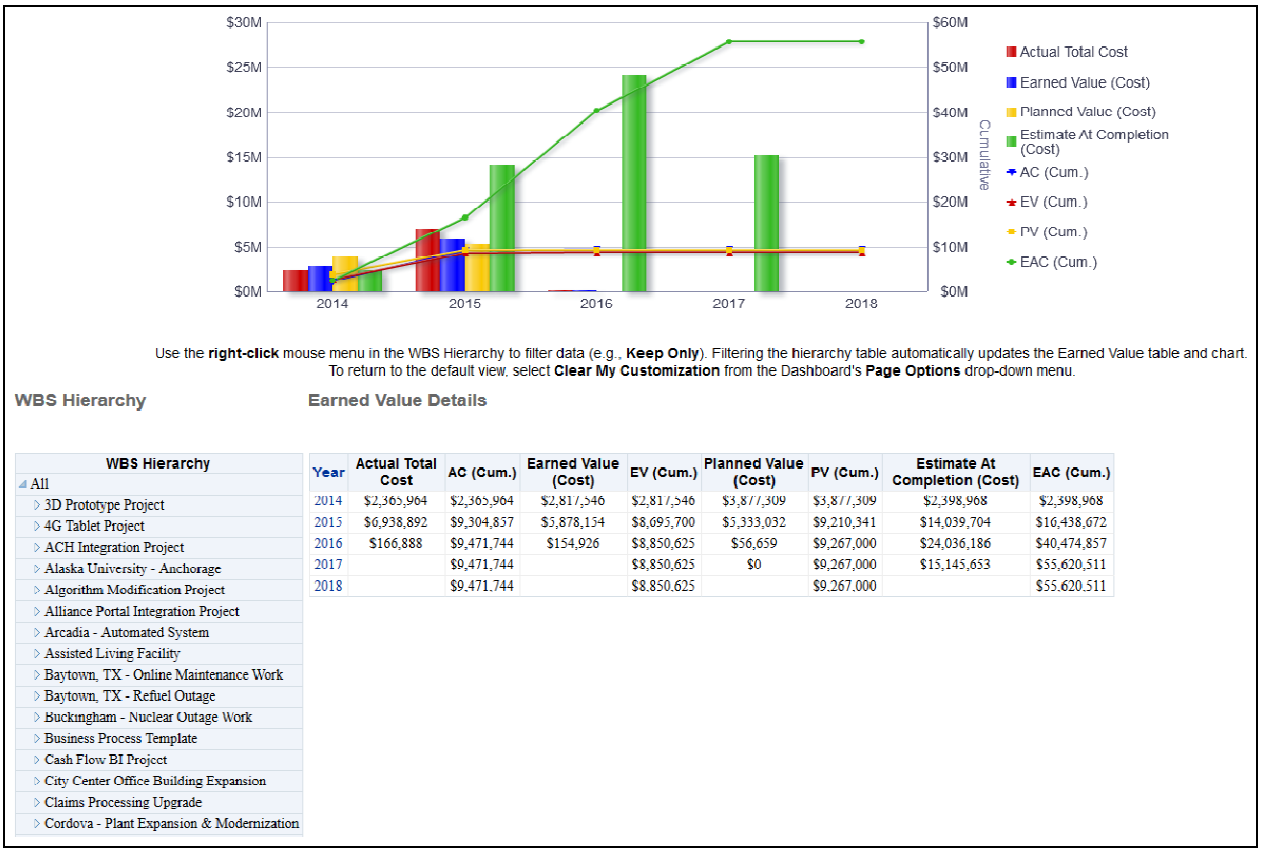
Subject Area

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



Use the **right-click** mouse menu in the WBS Hierarchy to filter data (e.g., **Keep Only**). Filtering the hierarchy table automatically updates the Earned Value table and chart. To return to the default view, select **Clear My Customization** from the Dashboard's **Page Options** drop-down menu.

WBS Hierarchy

WBS Hierarchy
All
3D Prototype Project
4G Tablet Project
ACH Integration Project
Alaska University - Anchorage
Algorithm Modification Project
Alliance Portal Integration Project
Arcadia - Automated System
Assisted Living Facility
Baytown, TX - Online Maintenance Work
Baytown, TX - Refuel Outage
Buckingham - Nuclear Outage Work
Business Process Template
Cash Flow BI Project
City Center Office Building Expansion
Claims Processing Upgrade
Cordova - Plant Expansion & Modernization

Earned Value Details

Year	Actual Total Cost	AC (Cum.)	Earned Value (Cost)	EV (Cum.)	Planned Value (Cost)	PV (Cum.)	Estimate At Completion (Cost)	EAC (Cum.)
2014	$2,365,964	$2,365,964	$2,817,546	$2,817,546	$3,877,309	$3,877,309	$2,398,968	$2,398,968
2015	$6,938,892	$9,304,857	$5,878,154	$8,695,700	$5,333,032	$9,210,341	$14,039,704	$16,438,672
2016	$166,888	$9,471,744	$154,926	$8,850,625	$56,659	$9,267,000	$24,036,186	$40,474,857
2017		$9,471,744		$8,850,625	$0	$9,267,000	$15,145,653	$55,620,511
2018		$9,471,744		$8,850,625		$9,267,000		$55,620,511

Purpose

The bar graph and pivot table break projects down by WBS. It shows cost and cumulative values for:

- Actual Cost
- Earned Value
- Planned Value
- Estimate At Completion

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 Area

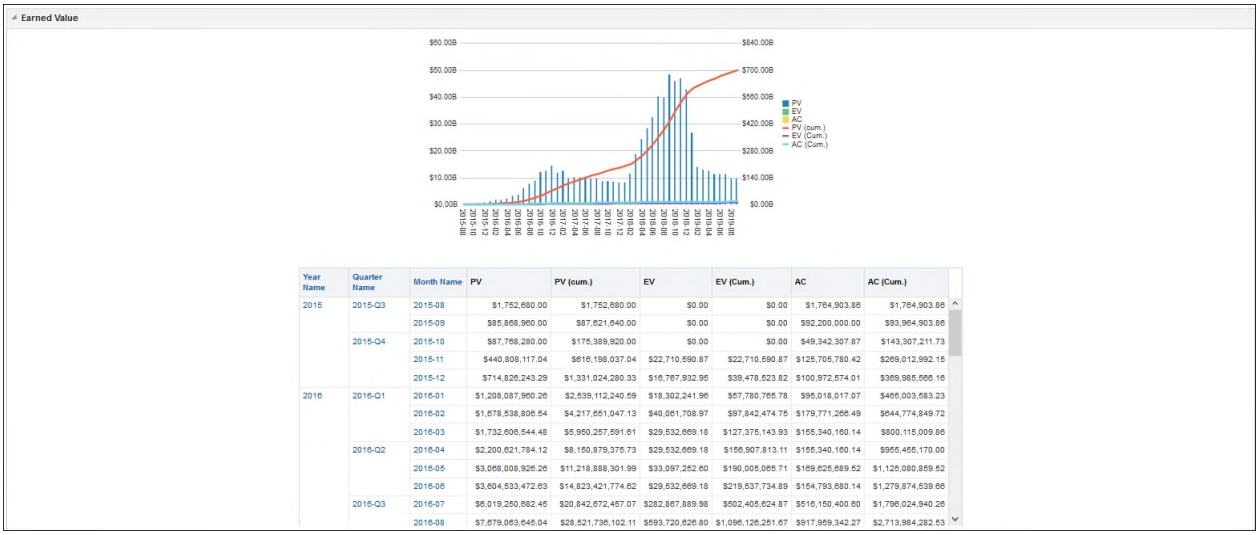
Activity

Project Earned Value Dashboard for Unifier

Unifier 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	PV	PV (cum.)	EV	EV (Cum.)	AC	AC (Cum.)
2015	2015-Q3	2015-08	$1,752,680.00	$1,752,680.00	$0.00	$0.00	$1,764,903.86	$1,764,903.86
		2015-09	$85,868,960.00	$87,621,640.00	$0.00	$0.00	$92,200,000.00	$93,964,903.86
	2015-Q4	2015-10	$87,768,280.00	$175,389,920.00	$0.00	$0.00	$49,342,307.87	$143,307,211.73
		2015-11	$440,808,117.04	$616,198,037.04	$22,710,590.87	$22,710,590.87	$125,705,780.42	$269,012,992.15
		2015-12	$714,826,243.29	$1,331,024,280.33	$16,767,932.95	$39,478,523.82	$100,972,574.01	$369,985,566.16
2016	2016-Q1	2016-01	$1,208,087,960.26	$2,539,112,240.59	$18,302,241.96	$57,780,765.78	$95,018,017.07	$465,003,583.23
		2016-02	$1,678,538,806.54	$4,217,651,047.13	$40,061,708.97	$97,842,474.75	$179,771,266.49	$644,774,849.72
		2016-03	$1,732,606,544.48	$5,950,257,591.61	$29,532,669.18	$127,375,143.93	$155,340,160.14	$800,115,009.86
	2016-Q2	2016-04	$2,200,621,784.12	$8,150,879,375.73	$29,532,669.18	$156,907,813.11	$155,340,160.14	$955,455,170.00
		2016-05	$3,068,008,926.26	$11,218,888,301.99	$33,097,252.60	$190,005,065.71	$169,626,689.52	$1,125,080,859.52
		2016-06	$3,604,533,472.63	$14,823,421,774.62	$29,532,669.18	$219,537,734.89	$154,793,680.14	$1,279,874,539.66
	2016-Q3	2016-07	$6,019,250,682.45	$20,842,672,457.07	$282,867,889.98	$502,405,624.87	$516,150,400.60	$1,796,024,940.26
		2016-08	$7,679,063,645.04	$28,521,736,102.11	$593,720,626.80	$1,096,126,251.67	$917,959,342.27	$2,713,984,282.53

Purpose

The line-bar chart shows cost information:

- 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 chart 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).

The pivot table breaks down cost data by year, quarter, and month. Depending on the Filter criteria, the table contains columns for:

- Year Name
- Quarter Name
- Month Name
- Planned Value (Cost)
- Planned Value (Cumulative)
- Earned Value (Cost)
- Earned Value (Cumulative)
- Actual Total Cost
- Actual Cost (Cumulative) /

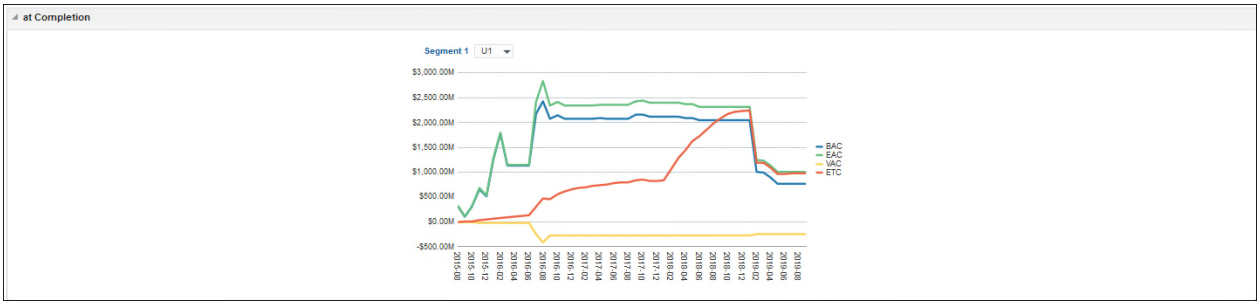
Location

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

Subject Area

Activity

Earned Value at Completion Section



Purpose

Select a value from the **Segment** list to view <TBD>

Location

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

CPI/SPI Page

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

CPI/SPI Section

Purpose

This section shows:

- A line chart which plots the CPI and Cumulative CPI by month.
- A line chart 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.

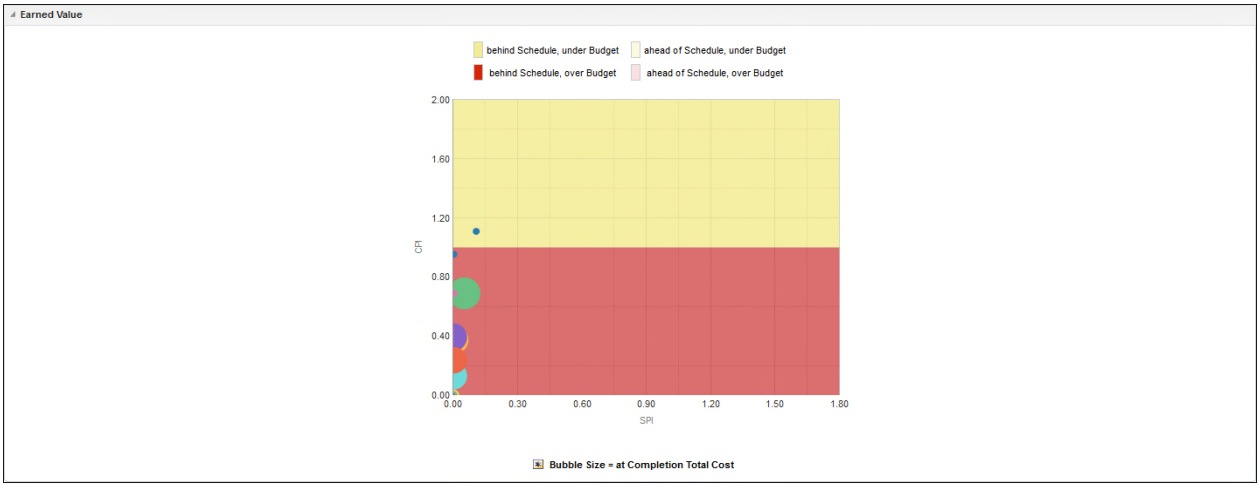
Location

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

Subject Area

Activity

Performance Index Section



Purpose

The bubble chart 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 **Unifier**, and then click the **CPI/SPI** page.
4) On the **CPI/SPI** page, expand the **Earned Value** section.

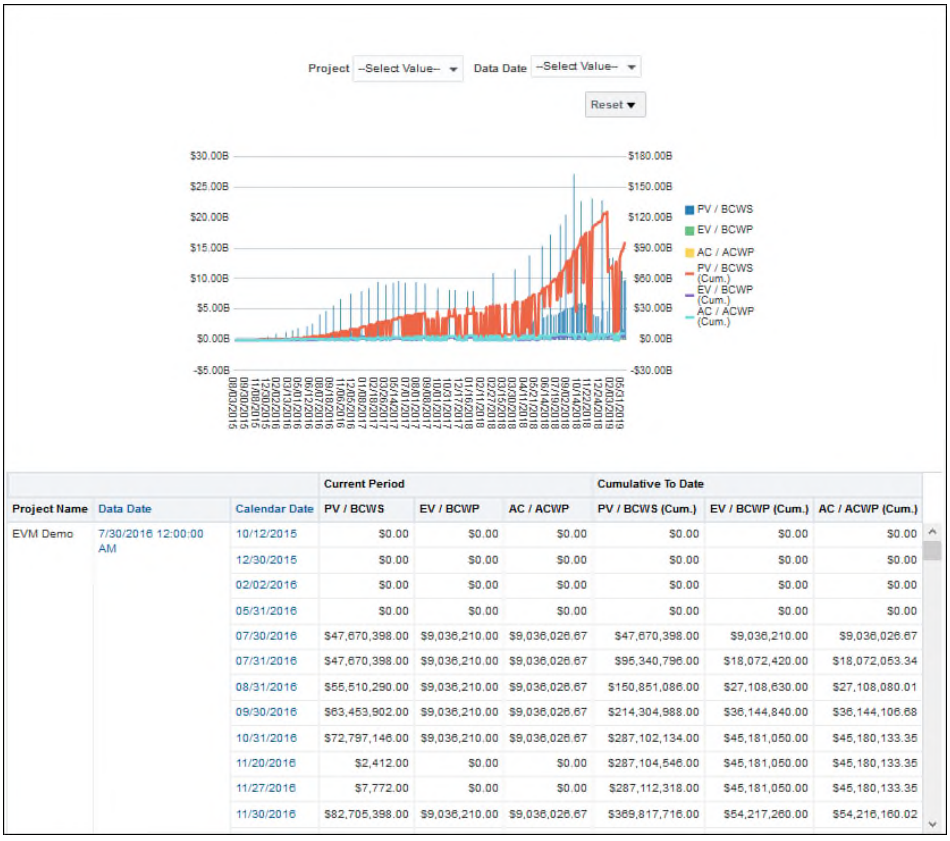
Subject Area

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 Project and Data Date



			Current Period			Cumulative To Date		
Project Name	Data Date	Calendar Date	PV / BCWS	EV / BCWP	AC / ACWP	PV / BCWS (Cum.)	EV / BCWP (Cum.)	AC / ACWP (Cum.)
EVM Demo	7/30/2016 12:00:00 AM	10/12/2015	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
		12/30/2015	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
		02/02/2016	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
		05/31/2016	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
		07/30/2016	$47,670,398.00	$9,036,210.00	$9,036,026.67	$47,670,398.00	$9,036,210.00	$9,036,026.67
		07/31/2016	$47,670,398.00	$9,036,210.00	$9,036,026.67	$95,340,796.00	$18,072,420.00	$18,072,053.34
		08/31/2016	$55,510,290.00	$9,036,210.00	$9,036,026.67	$150,851,086.00	$27,108,630.00	$27,108,080.01
		09/30/2016	$63,453,902.00	$9,036,210.00	$9,036,026.67	$214,304,988.00	$36,144,840.00	$36,144,106.68
		10/31/2016	$72,797,146.00	$9,036,210.00	$9,036,026.67	$287,102,134.00	$45,181,050.00	$45,180,133.35
		11/20/2016	$2,412.00	$0.00	$0.00	$287,104,546.00	$45,181,050.00	$45,180,133.35
		11/27/2016	$7,772.00	$0.00	$0.00	$287,112,318.00	$45,181,050.00	$45,180,133.35
		11/30/2016	$82,705,398.00	$9,036,210.00	$9,036,026.67	$369,817,716.00	$54,217,260.00	$54,216,160.02

Purpose

Select a **Project Name** and a **Data Date** to view a bar graph and the costs and cumulative values for

- Actual Cost
- Earned Value
- Planned Value
- Estimate At Completion

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 **Unifier** and then click the **Detailed Earned Value** page.
4) On the **Detailed Earned Value** page, expand the **Detailed Earned Value by WBS** section.

Subject Area

Activity

Project Health Dashboard

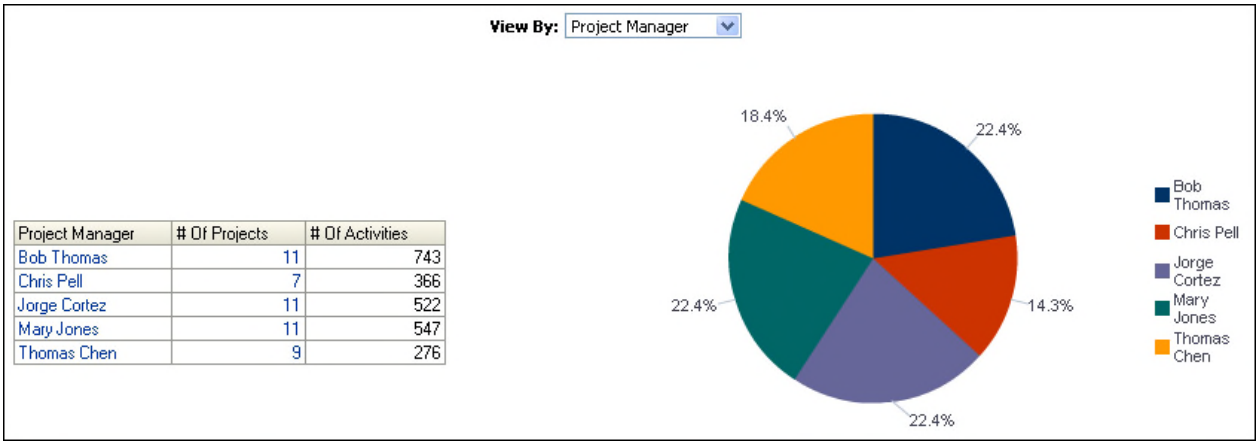
The Project Health dashboard uses data from P6 EPPM.

It 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



Project Manager	# Of Projects	# Of Activities
Bob Thomas	11	743
Chris Pell	7	366
Jorge Cortez	11	522
Mary Jones	11	547
Thomas Chen	9	276

Purpose

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

- Project Manager
- Financial Rating
- Location
- Priority
- Sponsor
- Strategic Objective
- Strategic Rating

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

The 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 chart to see more detailed information, including the number of projects assigned to the code value.

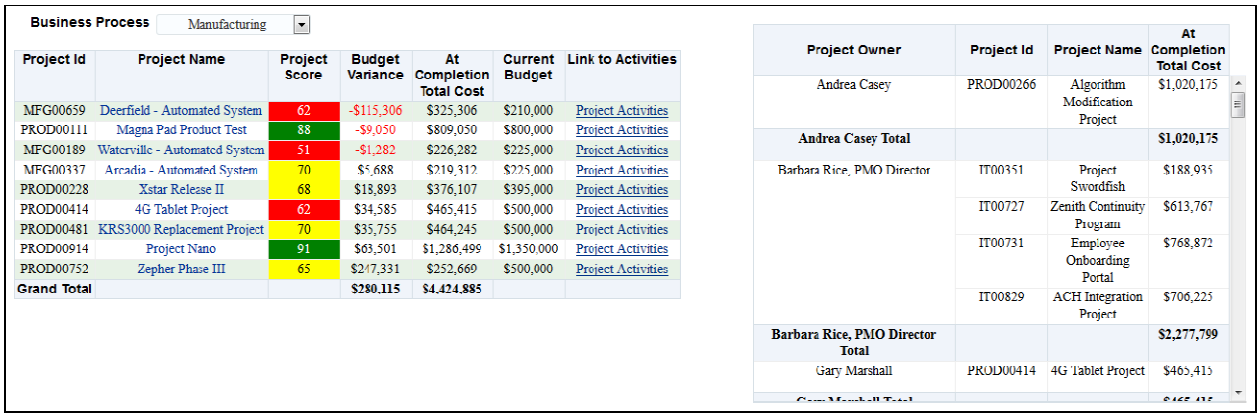
Location

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 Area

Activity

Overall Project Health Section



Business Process: Manufacturing

Project Id	Project Name	Project Score	Budget Variance	At Completion Total Cost	Current Budget	Link to Activities
MFG00659	Deerfield - Automated System	62	-$115,306	$325,306	$210,000	Project Activities
PROD00111	Magna Pad Product Test	88	-$9,050	$809,050	$800,000	Project Activities
MFG00189	Waterville - Automated System	51	-$1,282	$226,282	$225,000	Project Activities
MFG00337	Arcadia - Automated System	70	$5,688	$219,312	$225,000	Project Activities
PROD00228	Xstar Release II	68	$18,893	$376,107	$395,000	Project Activities
PROD00414	4G Tablet Project	62	$34,585	$465,415	$500,000	Project Activities
PROD00481	KRS3000 Replacement Project	70	$35,755	$464,245	$500,000	Project Activities
PROD00914	Project Nano	91	$63,501	$1,286,499	$1,350,000	Project Activities
PROD00752	Zepher Phase III	65	$247,331	$252,669	$500,000	Project Activities
Grand Total			**$280,115**	**$4,424,885**		

Project Owner	Project Id	Project Name	At Completion Total Cost
Andrea Casey	PROD00266	Algorithm Modification Project	$1,020,175
Andrea Casey Total			**$1,020,175**
Barbara Rice, PMO Director	IT00351	Project Swordfish	$188,935
	IT00727	Zenith Continuity Program	$613,767
	IT00731	Employee Onboarding Portal	$768,872
	IT00829	ACH Integration Project	$706,225
Barbara Rice, PMO Director Total			**$2,277,799**
Gary Marshall	PROD00414	4G Tablet Project	$465,415

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

The business process pivot table contains 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.

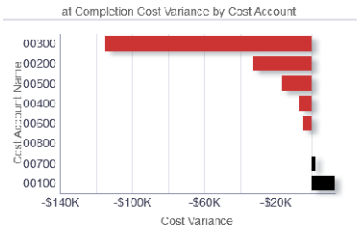
Location

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 Area

Activity

Cost Account Section



	2014			2015			2016			2017		
Cost Account Name	Planned Cost	At Completion Cost	Cost Variance	Planned Cost	At Completion Cost	Cost Variance	Planned Cost	At Completion Cost	Cost Variance	Planned Cost	At Completion Cost	Cost Variance
00100				$405,836	$693,832	$12,404	$997,026	$997,026	$0	$183,062	$183,062	$0
00200	$1,208,017	$935,795	$2[illegible],021	$2,441,003	$2,227,572	-$245,970	$7,740,742	$7,740,742	-$0	$10,042,518	$10,043,518	$0
00300	$720,695	$723,219	-$2,524	$2,550,998	$2,563,224	-$12,226	$2,740,338	$2,740,338	$0	$562,314	$562,314	$0
00400	$914,008	$71,093	$842,915	$1,488,499	$2,338,458	-$849,959	$2,530,314	$2,530,314	$0	$581,286	$581,286	$0
00500	$541,370	$212,470	$328,900	$343,339	$639,422	-$346,034	$1,320,379	$1,320,379	$0	$1,400,077	$1,400,077	$0
00600				$74[illegible],595	$746,697	-$5,101	$769,590	$769,590	$0	$94,874	$94,874	$0
00700	$166,699	$72,970	$93,729	$91,713			$941,520	$941,520	$0	$430,105	$430,105	$0
00800				$339,696	$339,936	-$290	$2,744,375	$2,744,375	$0	$1,021,324	$1,021,324	$0

Purpose

The bar chart 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.

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

- Cost Account Name
- Planned Cost
- At Completion Cost
- Cost Variance

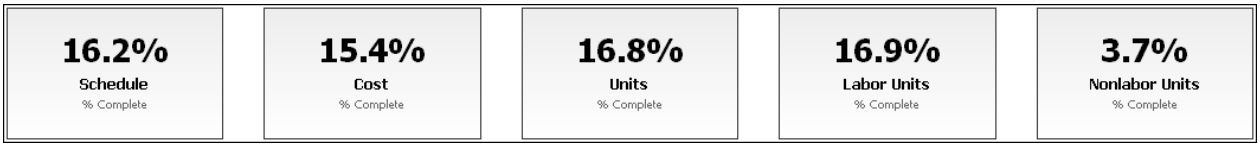
Location

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 Area

Resource Assignment

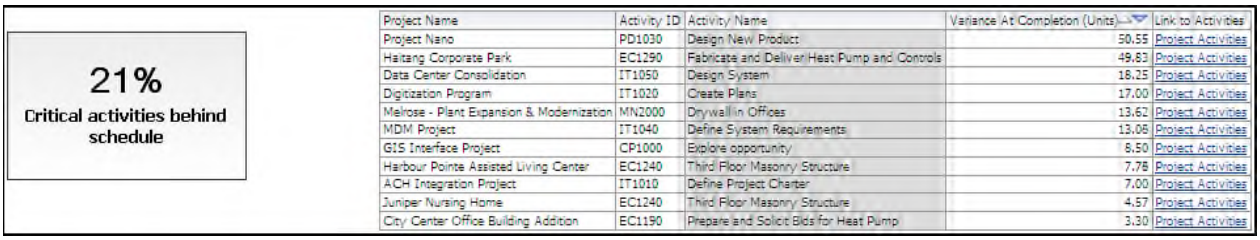
Schedule Page



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. It contains the following narratives:

- **Schedule** shows the percentage of activities that are complete in all projects.
- **Cost** shows the percentage of the total cost for activities that are complete in all projects.
- **Units** shows the percentage of units that are complete in all projects.
- **Labor Units** shows the percentage of labor units that are complete in all projects.
- **Nonlabor Units** 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	13.06	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

Purpose

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

The 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. The table contains columns for:

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

Location

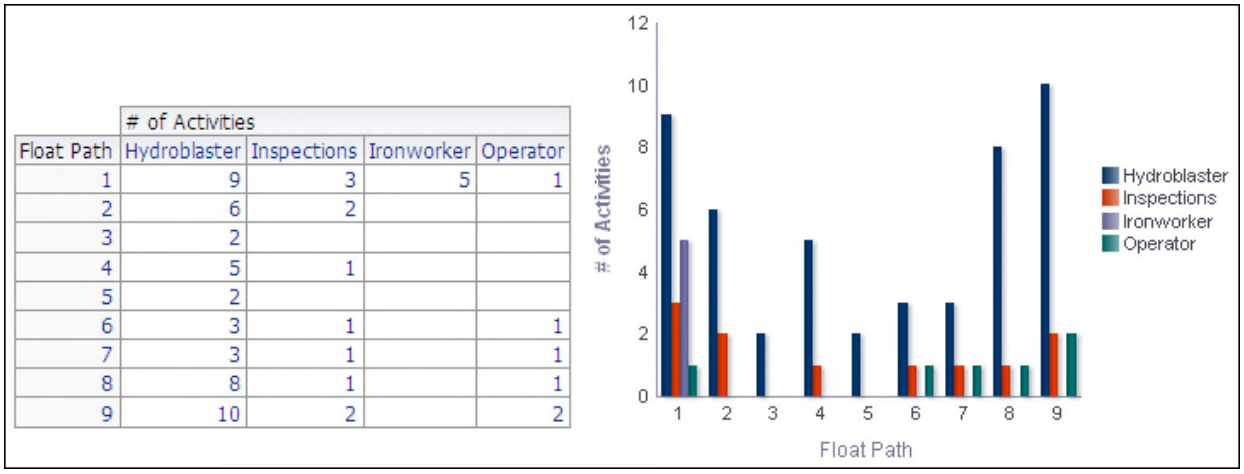
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.

3) On the **Project Health** dashboard, click the **Schedule** page.
4) On the **Schedule** page, expand the **Critical Activities behind Schedule** section.

Subject Area

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

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

The bar chart 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.

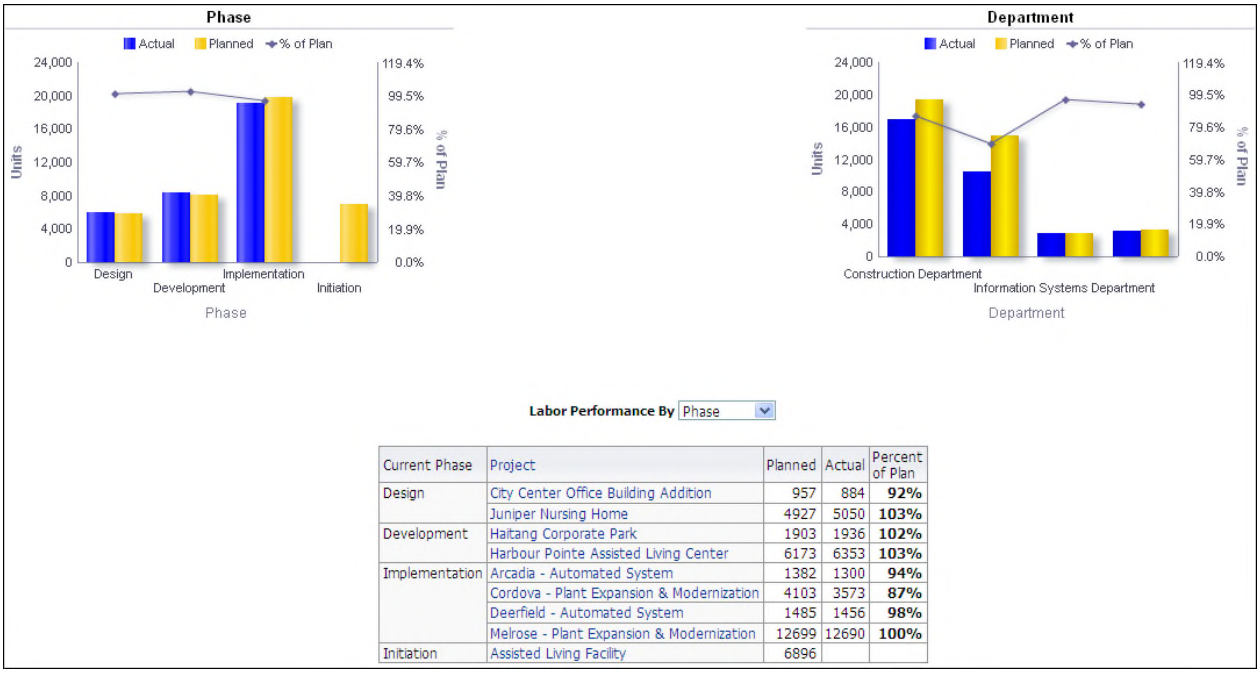
Location

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 Area

Activity

Labor Performance Section



Current Phase	Project	Planned	Actual	Percent of Plan
Design	City Center Office Building Addition	957	884	**92%**
	Juniper Nursing Home	4927	5050	**103%**
Development	Haitang Corporate Park	1903	1936	**102%**
	Harbour Pointe Assisted Living Center	6173	6353	**103%**
Implementation	Arcadia - Automated System	1382	1300	**94%**
	Cordova - Plant Expansion & Modernization	4103	3573	**87%**
	Deerfield - Automated System	1485	1456	**98%**
	Melrose - Plant Expansion & Modernization	12699	12690	**100%**
Initiation	Assisted Living Facility	6896		

Purpose

The Phase and Department line-bar charts show data for activities assigned to the Phase and Department activity codes. Both of these line-bar charts 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 chart shows Phase code values. The x-axis of the Department line-bar chart shows Department code values. On both line-bar charts the y-axis for the bars, on the left, shows labor Units. On both line-bar charts 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 contains 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

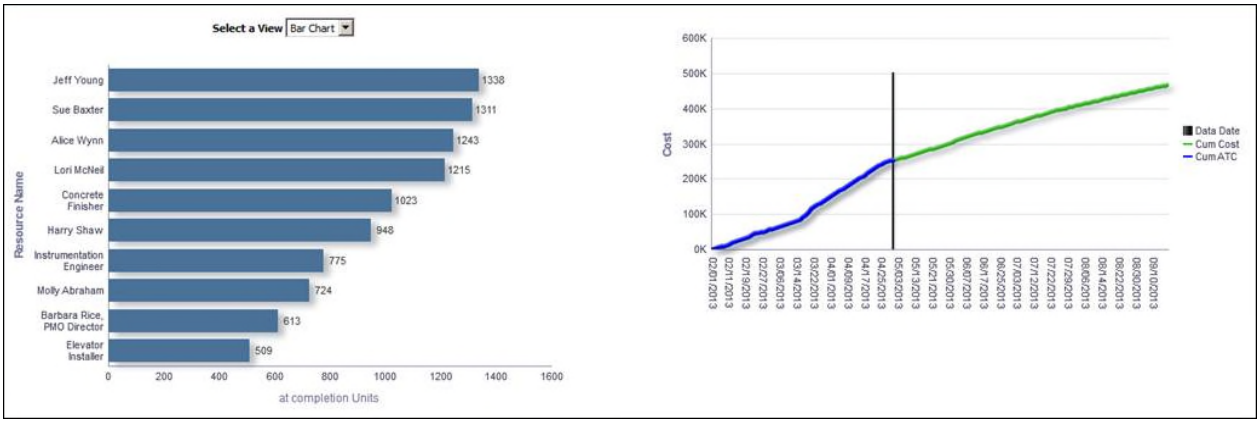
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Schedule** page.

4) On the **Schedule** page, expand the **Labor Performance** section.

Subject Area

Activity

Completion Section



Purpose

Use the Select a View list to determine whether the At Completion Units for a resource displays in a bar chart or pie chart.

The bar chart shows the ten resources that had the highest At Completion Units for that year. The x-axis shows the At Completion Units. The y-axis shows Resource Name.

The pie chart 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.

The line chart shows the cost for various dates.

The x-axis shows the month, day, and year. The vertical bar on the chart 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 Area

Resource Assignment

Percent Complete Analysis Section

	Overall % Complete				Cost % Complete				Units % Complete	
Project Name	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

		% Complete					
Project Id	Date	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. The table contains 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. The table contains columns for:

- Project ID
- Date

- Cost (% Complete)
- Units (% Complete)
- Schedule (% Complete)
- Performance (% Complete)
- Labor Cost (% Complete)
- Labor Units (% Complete)

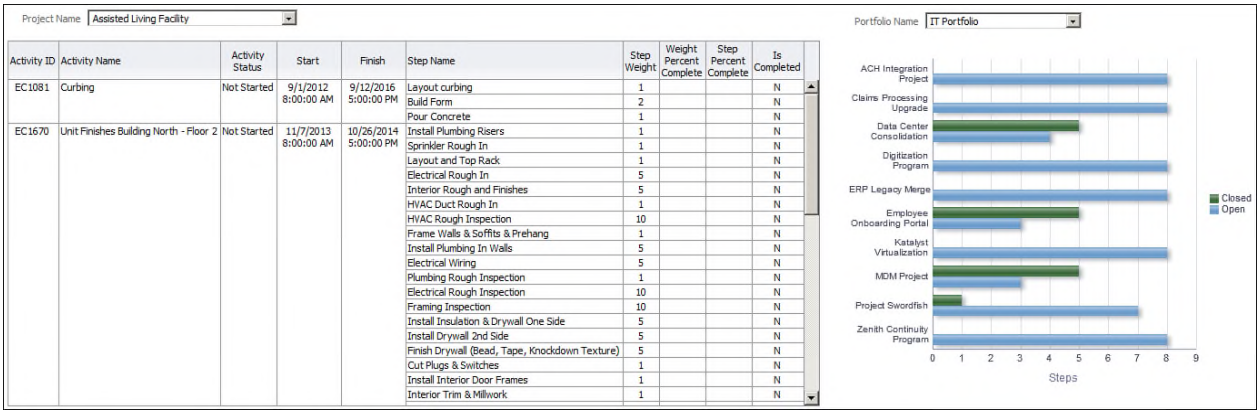
Location

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 Area

Activity

Activity Steps Section



Activity ID	Activity Name	Activity Status	Start	Finish	Step Name	Step Weight	Weight Percent Complete	Step Percent Complete	Is Completed
EC1081	Curbing	Not Started	9/1/2012 8:00:00 AM	9/12/2016 5:00:00 PM	Layout curbing	1			N
					Build Form	2			N
					Pour Concrete	1			N
EC1670	Unit Finishes Building North - Floor 2	Not Started	11/7/2013 8:00:00 AM	10/26/2014 5:00:00 PM	Install Plumbing Risers	1			N
					Sprinkler Rough In	1			N
					Layout and Top Rack	1			N
					Electrical Rough In	5			N
					Interior Rough and Finishes	5			N
					HVAC Duct Rough In	1			N
					HVAC Rough Inspection	10			N
					Frame Walls & Soffits & Prehang	1			N
					Install Plumbing In Walls	5			N
					Electrical Wiring	5			N
					Plumbing Rough Inspection	1			N
					Electrical Rough Inspection	10			N
					Framing Inspection	10			N
					Install Insulation & Drywall One Side	5			N
					Install Drywall 2nd Side	5			N
					Finish Drywall (Bead, Tape, Knockdown Texture)	5			N
					Cut Plugs & Switches	1			N
					Install Interior Door Frames	1			N
					Interior Trim & Millwork	1			N

Purpose

The table shows activity step details for the project selected in the Project Name drop-down. The table contains columns for:

- Activity ID
- Activity Name
- Activity Status
- Activity Start Date
- Activity Finish Date
- Step Name
- Step Weight
- Weight Percent Complete
- Step Percent Completes
- Is Completed

The bar chart shows the count of open and closed activity steps by project for the portfolio selected in the Portfolio Name drop-down.

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 **Activity Steps** section.

Subject Area

Activity

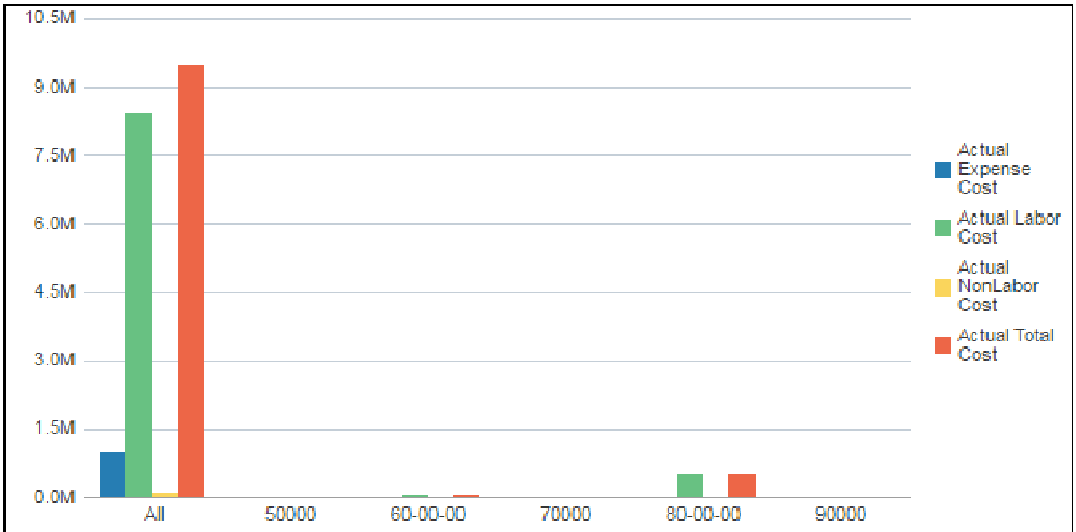
Cost Page

This page shows the cost trends of your project, the cost breakdown by different variables, and the different types of costs your projects incur. It contains the following narratives:

- **Total Cost** shows what the total cost of the selected projects or portfolios will be at completion.
- **Labor Cost** shows what the total labor cost of the selected projects or portfolios will be at completion.
- **Nonlabor Cost** shows what the total nonlabor cost of the selected projects or portfolios will be at completion.
- **Material Cost** shows what the total material cost of the selected projects or portfolios will be at completion.
- **Expense Cost** shows what the total expense cost of the selected projects or portfolios will be at completion.

Use the filters to determine what information displays in the narratives. If no filters are applied, these narratives show data for all projects and portfolios.

Code Cost Hierarchy Section



Cost Code Hierarchy	Actual Expense Cost	Actual Labor Cost	Actual NonLabor Cost	Actual Total Cost
All	$972,165	$8,414,779	$84,800	$9,471,744
50000		$19,200		$19,200
60-00-00		$52,816		$52,816
70000				
80-00-00		$501,554		$501,554
90000	$1,276	$5,060		$6,336

Purpose

The bar graph displays actual cost details for each cost code. It is broken down by:

- Actual Expense Cost
- Actual Labor Cost
- Actual NonLabor Cost
- Actual Total Cost

The x-axis shows the cost code. The y-axis shows the cost.

You can drill-down each cost code by selecting it on the x-axis or the table.

The table shows the cost code hierarchy broken down by actual expense cost, actual labor cost, actual nonlabor cost, and actual total cost. You can expand each cost code for additional details.

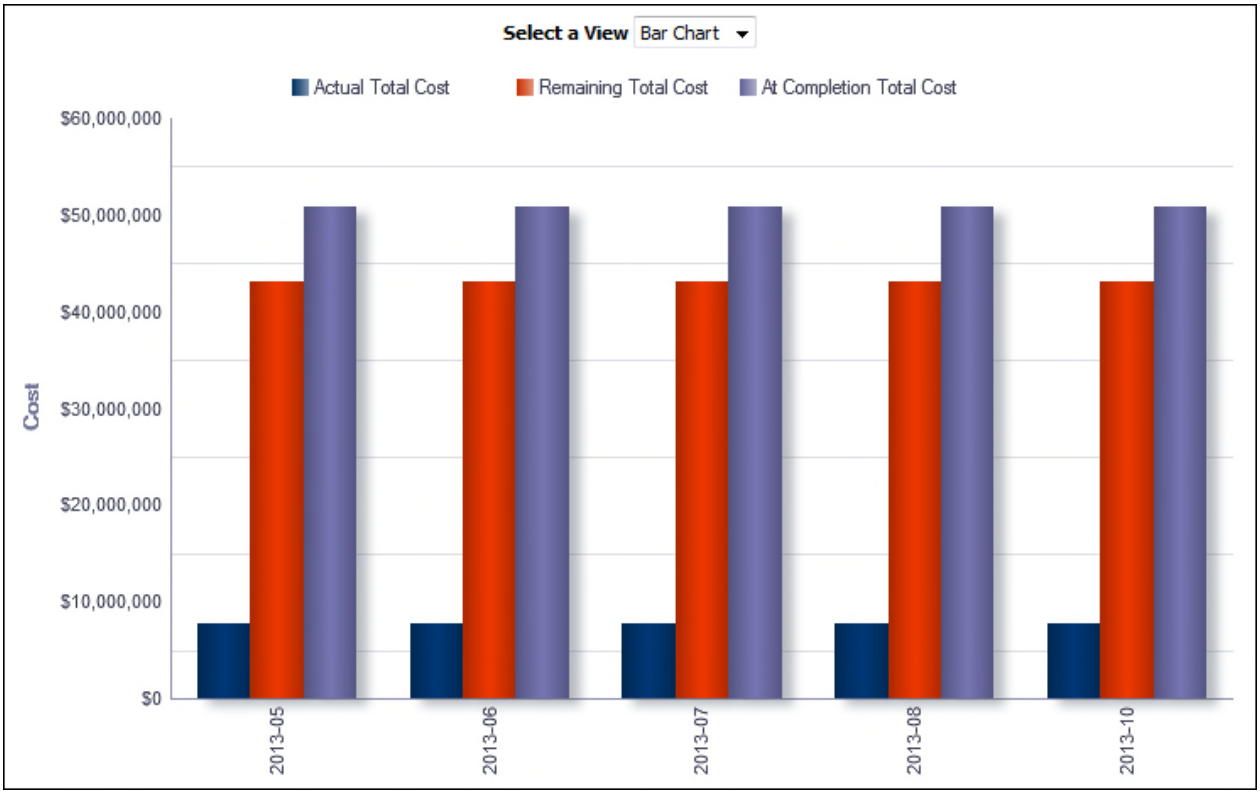
Location

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 Code Hierarchy** section.

Subject Area

Activity

Cost Trend Section



Purpose

Use the Select a View list to determine whether cost information displays as a bar chart, line chart, or table.

The bar chart 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.

The line chart 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.

The 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

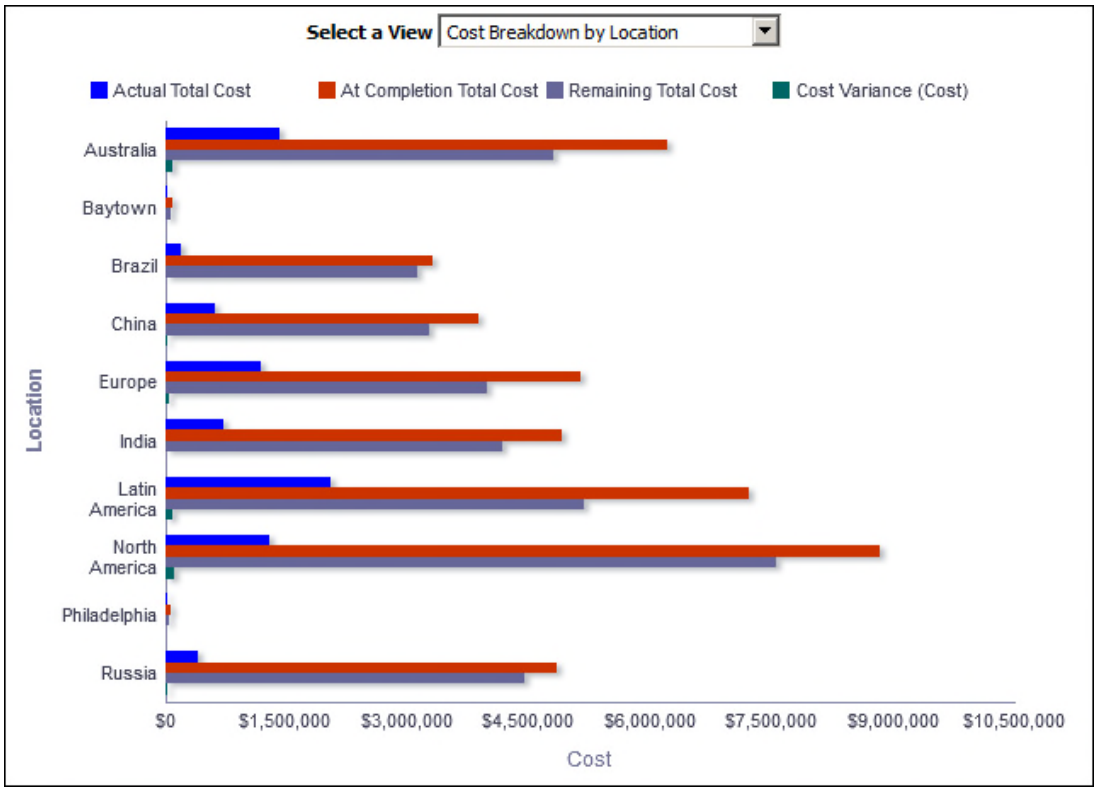
Location

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 Area

Project History

Project Cost Breakdown Section



Purpose

Use the Select a View list to determine how cost and project code information displays. Depending on the selection, the view displays as a 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 bar charts break data down by the Location, Project Manager, and Sponsor project codes respectively. The bar charts 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)

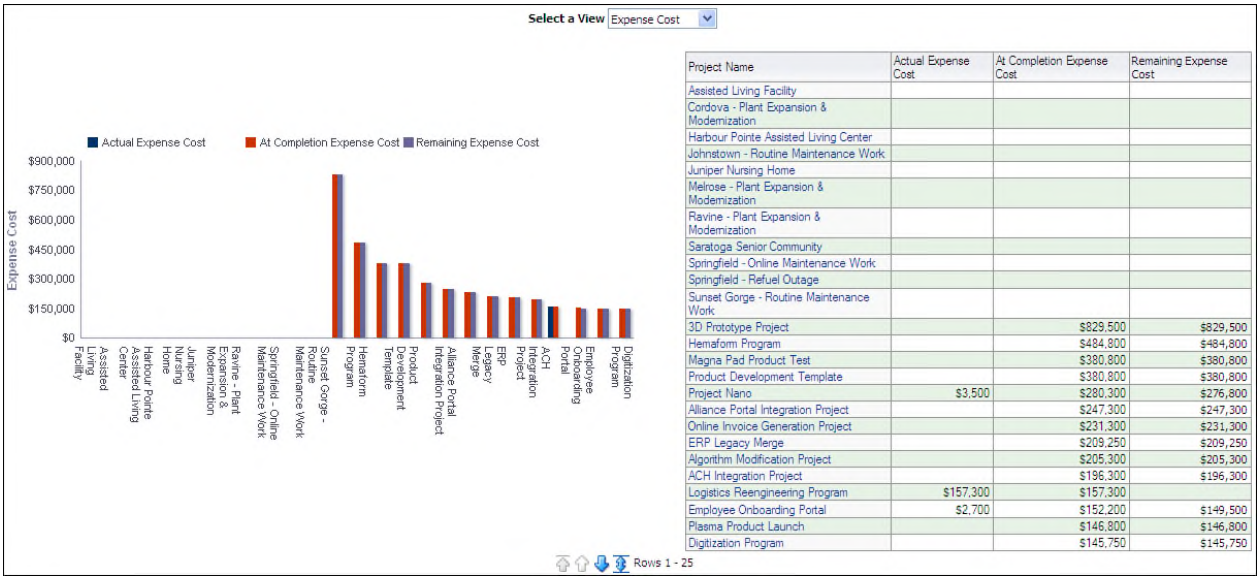
Location

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 Area

Activity

Cost by Type Section



Project Name	Actual Expense Cost	At Completion Expense Cost	Remaining Expense Cost
Assisted Living Facility			
Cordova - Plant Expansion & Modernization			
Harbour Pointe Assisted Living Center			
Johnstown - Routine Maintenance Work			
Juniper Nursing Home			
Melrose - Plant Expansion & Modernization			
Ravine - Plant Expansion & Modernization			
Saratoga Senior Community			
Springfield - Online Maintenance Work			
Springfield - Refuel Outage			
Sunset Gorge - Routine Maintenance Work			
3D Prototype Project		$829,500	$829,500
Hemaform Program		$484,800	$484,800
Magna Pad Product Test		$380,800	$380,800
Product Development Template		$380,800	$380,800
Project Nano	$3,500	$280,300	$276,800
Alliance Portal Integration Project		$247,300	$247,300
Online Invoice Generation Project		$231,300	$231,300
ERP Legacy Merge		$209,250	$209,250
Algorithm Modification Project		$205,300	$205,300
ACH Integration Project		$196,300	$196,300
Logistics Reengineering Program	$157,300	$157,300	
Employee Onboarding Portal	$2,700	$152,200	$149,500
Plasma Product Launch		$146,800	$146,800
Digitization Program		$145,750	$145,750

Purpose

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

- Expense Cost
- Labor Cost
- Nonlabor Cost
- Material Cost
- Total Cost

The bar chart 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 chart, 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 chart to see specific data. The table contains columns for the same data broken down by project name.

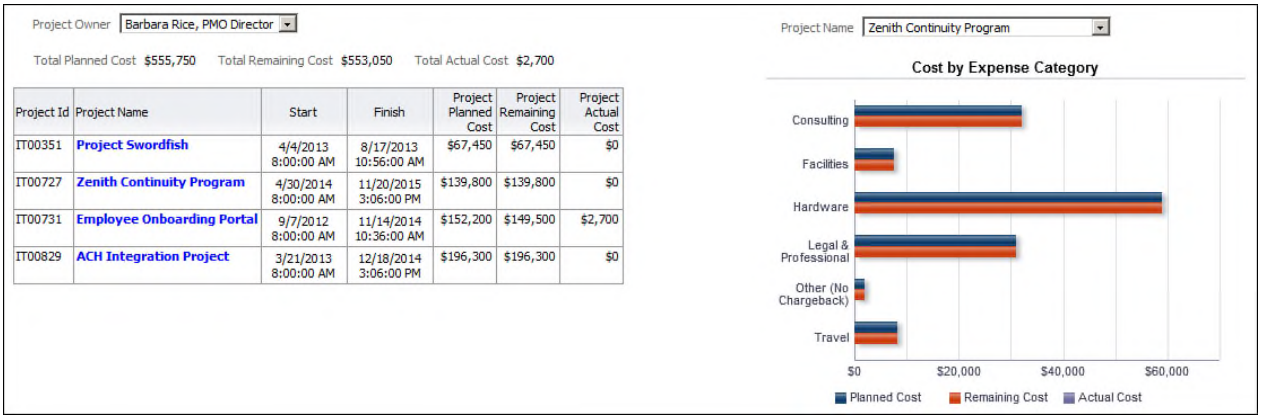
Location

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 Area

Activity

Expenses Section



Purpose

The table shows expense details by project for the Project Owner selected in the drop-down. The sums by project owner of the expense costs are shown above the table. The table contains columns for:

- Project ID
- Project Name
- Project Start Date
- Project Finish Date
- Project Planned Expense Cost
- Project Remaining Expense Cost
- Project Actual Expense Cost

The bar chart shows the expense costs by expense category for the project selected in the Project Name drop-down. It is also master-detail linked to the table; the chart displays data for a project based on the Project Name that is clicked on in the table.

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 **Expenses** section.

Subject Area

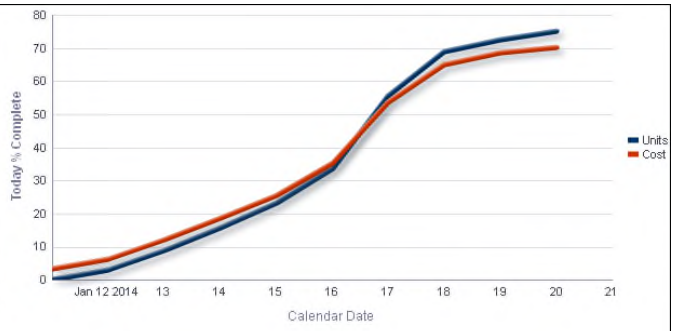
Activity

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.

The 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)

The line chart 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 **History** page.
4) On the **History** page, expand the **% Complete History** section.

Subject Area

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 contains 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).

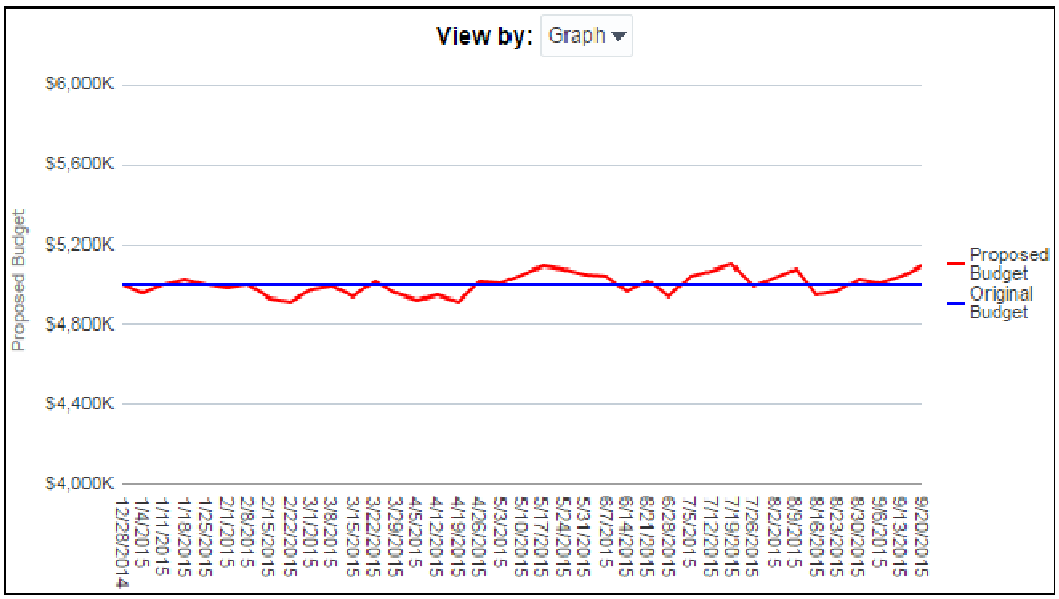
Location

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

Subject Area

Project History

Proposed Budget (Project Cost UDF) History Section



Purpose

The chart shows progression of changes between Proposed Budget and Original Budget, sorted by date.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **History** page.
4) On the **History** page, expand the **Proposed Budget (Project Cost UDF) History** section.

Subject Area

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

The 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

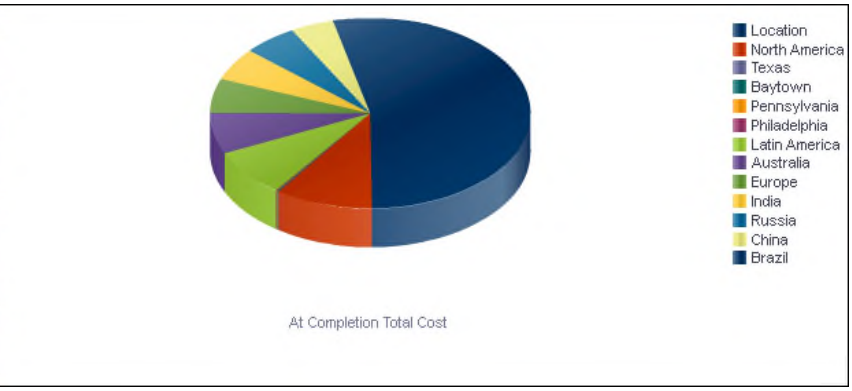
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Location** page.
4) On the **Location** page, expand the **At Completion Total Cost by Location** section.

Subject Area

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



Purpose

The 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.

The pie chart reflects the data shown in the pivot table and will change with the table.

The 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.

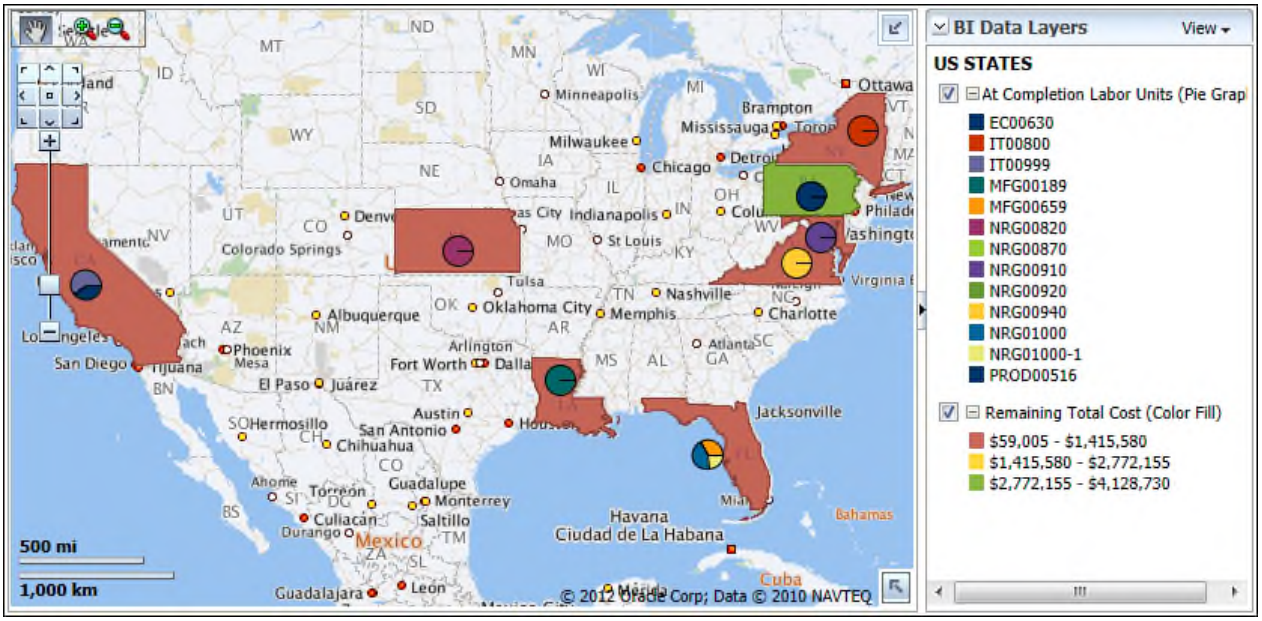
Location

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 Area

Activity

At Completion Labor Units by State Section



Purpose

The 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 charts 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 chart 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.

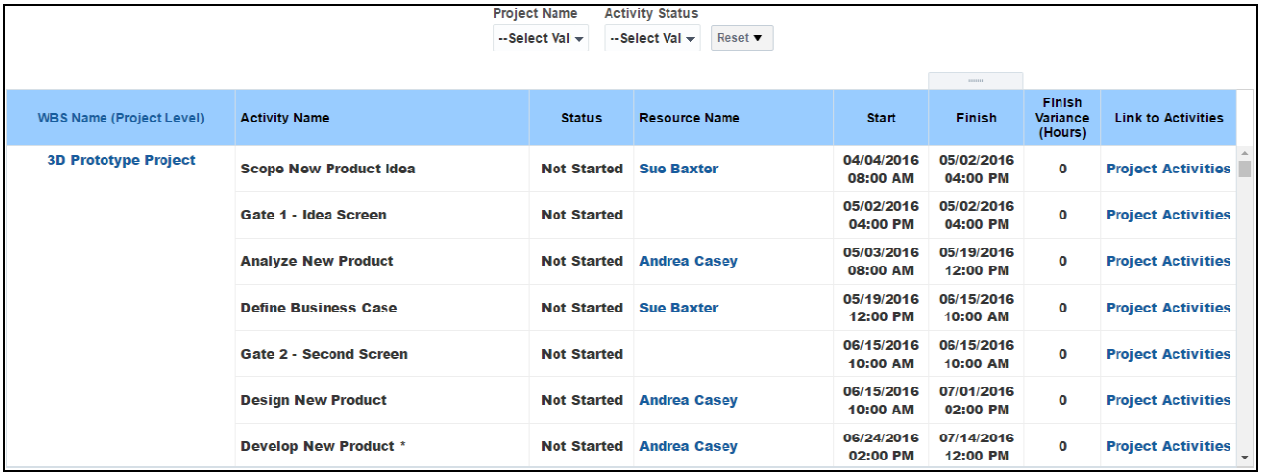
Subject Area

Activity

Activity Worksheet Page

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

Activity Worksheet Section



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	04/04/2016 08:00 AM	05/02/2016 04:00 PM	0	Project Activities
	Gate 1 - Idea Screen	Not Started		05/02/2016 04:00 PM	05/02/2016 04:00 PM	0	Project Activities
	Analyze New Product	Not Started	Andrea Casey	05/03/2016 08:00 AM	05/19/2016 12:00 PM	0	Project Activities
	Define Business Case	Not Started	Sue Baxter	05/19/2016 12:00 PM	06/15/2016 10:00 AM	0	Project Activities
	Gate 2 - Second Screen	Not Started		06/15/2016 10:00 AM	06/15/2016 10:00 AM	0	Project Activities
	Design New Product	Not Started	Andrea Casey	06/15/2016 10:00 AM	07/01/2016 02:00 PM	0	Project Activities
	Develop New Product *	Not Started	Andrea Casey	06/24/2016 02:00 PM	07/14/2016 12:00 PM	0	Project Activities

Purpose

The 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 contains 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 Area

Activity

Assessment Page

This page shows a schedule health assessment for your portfolio.

Schedule Assessment Overview

Portfolio Name	Missing Logic	Negative Lags	Lags	Long Lags	FS Rel.	Hard Contraints	Soft Contraints	Large Float	Negative Float	Large Durations	Invalid Progress	Resource / Cost	Late Activities	BEI
Construction Projects	1.2%	12.7%	16.4%	0.5%	83.1%	0.0%	2.9%	64.6%	0.0%	25.2%	0.0%	0.0%	0.0%	69.0%
Corporate Projects	0.0%	6.0%	0.0%	0.0%	92.9%	0.0%	0.0%	0.0%	0.0%	5.7%	0.0%	8.6%	0.0%	12.3%
Energy Projects	4.5%	0.0%	1.2%	0.0%	88.4%	0.0%	5.6%	29.0%	5.2%	0.1%	0.0%	0.0%	0.0%	50.9%
IT Portfolio	0.7%	7.3%	0.0%	0.0%	92.6%	0.0%	0.0%	0.8%	0.0%	22.1%	0.0%	0.0%	100.0%	73.1%
Key Projects over $500K	0.4%	8.2%	12.2%	1.5%	88.9%	0.0%	2.0%	40.1%	0.0%	13.1%	0.0%	1.4%	0.0%	44.2%
Key Sample Projects	0.0%	0.8%	5.6%	1.2%	92.4%	0.0%	9.3%	24.1%	10.4%	1.1%	0.0%	0.0%	0.0%	5.8%
Manufacturing Projects	0.0%	0.8%	17.4%	3.7%	90.1%	0.0%	0.4%	38.8%	0.0%	3.0%	0.0%	0.0%	0.0%	33.8%
Product Dev Projects	0.0%	8.0%	0.0%	0.0%	92.3%	0.0%	0.0%	2.7%	7.1%	7.7%	0.0%	12.3%	100.0%	0.0%
Proposals for Next Year	0.0%	7.4%	0.0%	0.0%	92.6%	0.0%	0.0%	0.0%	0.0%	11.8%	0.0%	23.5%	0.0%	
Proposed Corporate Programs	0.0%	6.0%	0.0%	0.0%	92.9%	0.0%	0.0%	0.0%	0.0%	5.7%	0.0%	8.6%	0.0%	12.3%

Location

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

Subject Area

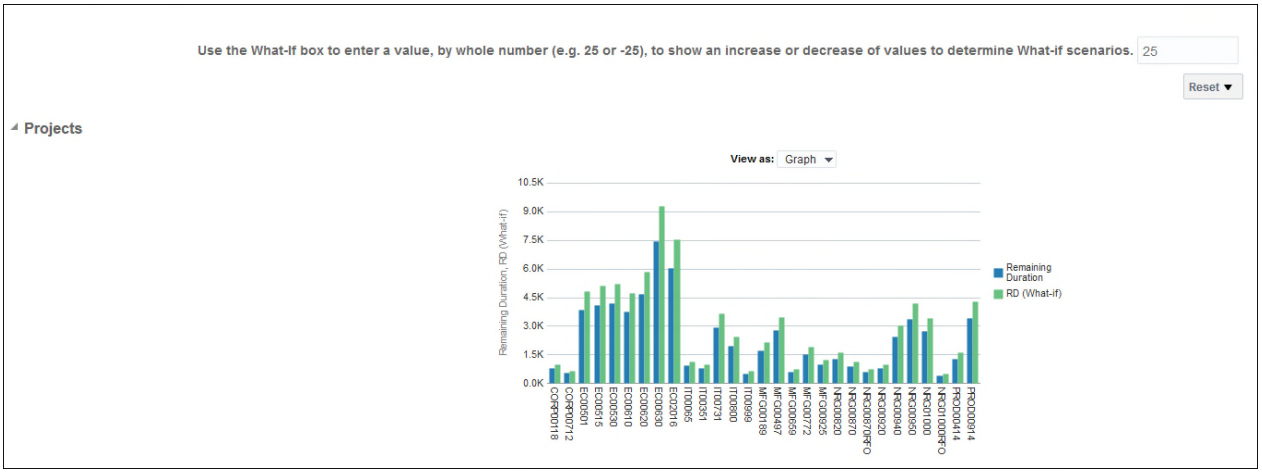
Activity

What If Page

This page shows a "what-if" scenario for your portfolio for Projects, Activities and Resource Assignments. The information can be reviewed in a graph or table format.

In the **What if** field, enter a numerical value to see effect of the change to your portfolio.

What-if Projects Section



Purpose

Review and compare data between the current scenario and a "what-if" scenario for projects in a graph or table format.

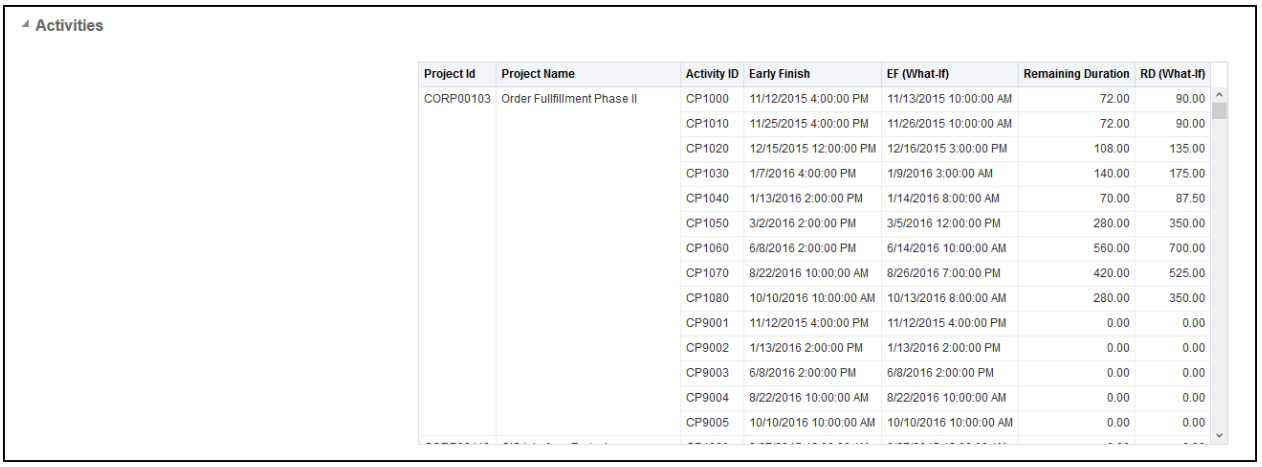
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **What-if** page.
4) On the **What-if** page, expand the **Projects** section.

Subject Area

Project

What-if Activities Section



Project Id	Project Name	Activity ID	Early Finish	EF (What-If)	Remaining Duration	RD (What-If)
CORP00103	Order Fullfillment Phase II	CP1000	11/12/2015 4:00:00 PM	11/13/2015 10:00:00 AM	72.00	90.00
		CP1010	11/25/2015 4:00:00 PM	11/26/2015 10:00:00 AM	72.00	90.00
		CP1020	12/15/2015 12:00:00 PM	12/16/2015 3:00:00 PM	108.00	135.00
		CP1030	1/7/2016 4:00:00 PM	1/9/2016 3:00:00 AM	140.00	175.00
		CP1040	1/13/2016 2:00:00 PM	1/14/2016 8:00:00 AM	70.00	87.50
		CP1050	3/2/2016 2:00:00 PM	3/5/2016 12:00:00 PM	280.00	350.00
		CP1060	6/8/2016 2:00:00 PM	6/14/2016 10:00:00 AM	560.00	700.00
		CP1070	8/22/2016 10:00:00 AM	8/26/2016 7:00:00 PM	420.00	525.00
		CP1080	10/10/2016 10:00:00 AM	10/13/2016 8:00:00 AM	280.00	350.00
		CP9001	11/12/2015 4:00:00 PM	11/12/2015 4:00:00 PM	0.00	0.00
		CP9002	1/13/2016 2:00:00 PM	1/13/2016 2:00:00 PM	0.00	0.00
		CP9003	6/8/2016 2:00:00 PM	6/8/2016 2:00:00 PM	0.00	0.00
		CP9004	8/22/2016 10:00:00 AM	8/22/2016 10:00:00 AM	0.00	0.00
		CP9005	10/10/2016 10:00:00 AM	10/10/2016 10:00:00 AM	0.00	0.00

Purpose

Review and compare data between the current scenario and a "what-if" scenario for activities.

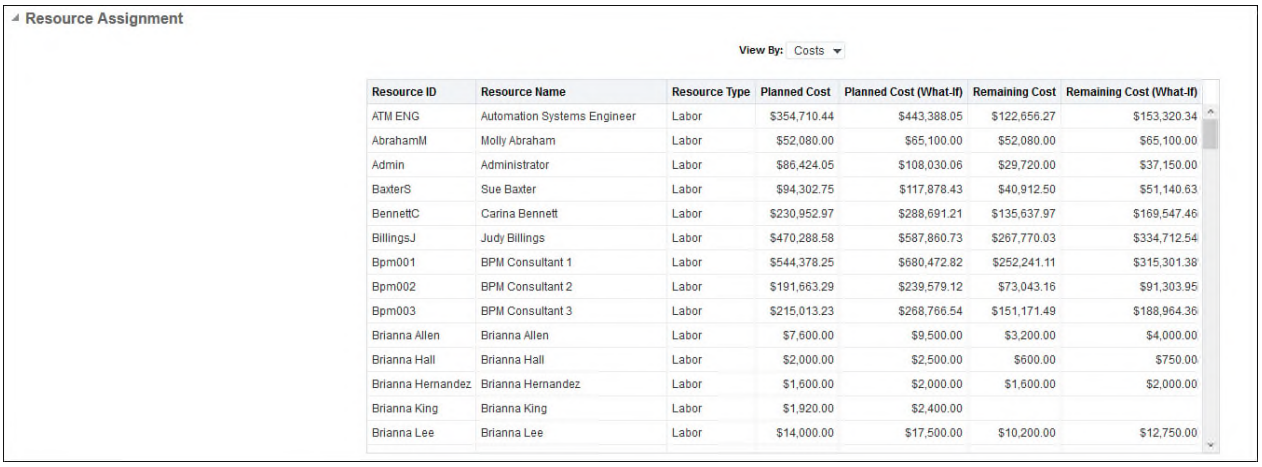
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **What-if** page.
4) On the **What-if** page, expand the **Activities** section.

Subject Area

Activity

What-If Resource Assignment Section



Resource ID	Resource Name	Resource Type	Planned Cost	Planned Cost (What-If)	Remaining Cost	Remaining Cost (What-If)
ATM ENG	Automation Systems Engineer	Labor	$354,710.44	$443,388.05	$122,656.27	$153,320.34
AbrahamM	Molly Abraham	Labor	$52,080.00	$65,100.00	$52,080.00	$65,100.00
Admin	Administrator	Labor	$86,424.05	$108,030.06	$29,720.00	$37,150.00
BaxterS	Sue Baxter	Labor	$94,302.75	$117,878.43	$40,912.50	$51,140.63
BennettC	Carina Bennett	Labor	$230,952.97	$288,691.21	$135,637.97	$169,547.46
BillingsJ	Judy Billings	Labor	$470,288.58	$587,860.73	$267,770.03	$334,712.54
Bpm001	BPM Consultant 1	Labor	$544,378.25	$680,472.82	$252,241.11	$315,301.38
Bpm002	BPM Consultant 2	Labor	$191,663.29	$239,579.12	$73,043.16	$91,303.95
Bpm003	BPM Consultant 3	Labor	$215,013.23	$268,766.54	$151,171.49	$188,964.36
Brianna Allen	Brianna Allen	Labor	$7,600.00	$9,500.00	$3,200.00	$4,000.00
Brianna Hall	Brianna Hall	Labor	$2,000.00	$2,500.00	$600.00	$750.00
Brianna Hernandez	Brianna Hernandez	Labor	$1,600.00	$2,000.00	$1,600.00	$2,000.00
Brianna King	Brianna King	Labor	$1,920.00	$2,400.00		
Brianna Lee	Brianna Lee	Labor	$14,000.00	$17,500.00	$10,200.00	$12,750.00

Purpose

Review and compare data between the current scenario and a "what-if" scenario for resource assignment in terms of *Costs* or *Units*.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **What-if** page.
4) On the **What-if** page, expand the **Resource Assignment** section.

Subject Area

Resource Assignment

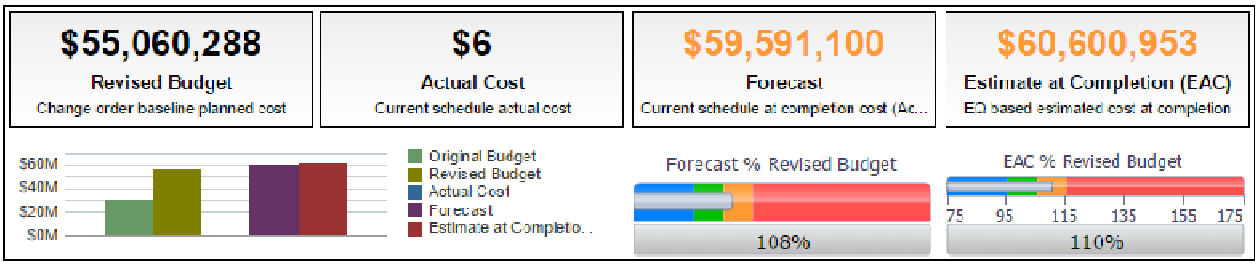
Project Performance Measurement

The Project Performance Measurement dashboard uses data from P6 EPPM and Primavera Unifier.

Overview Page

This page provides a summary of cost, earned quantity, and earned duration for all the projects selected by the filter. In addition, a table of the projects selected is displayed with drill-down links to the project pages in P6 EPPM and Primavera Unifier.

Cost Section



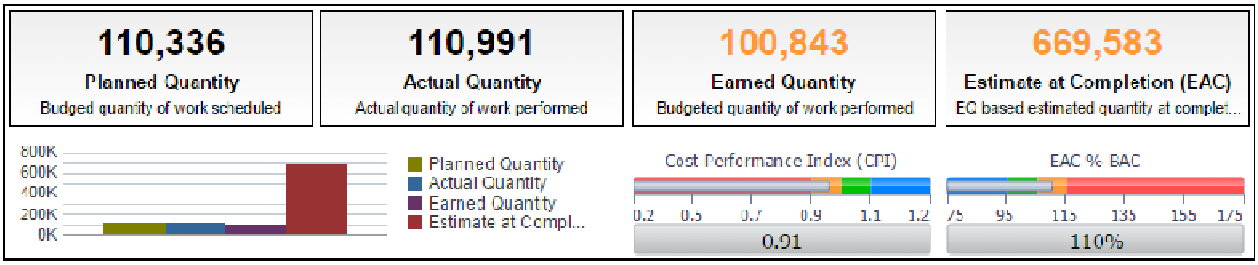
Location

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

Subject Area

Cost Sheet/Activity

Earned Quantity Section



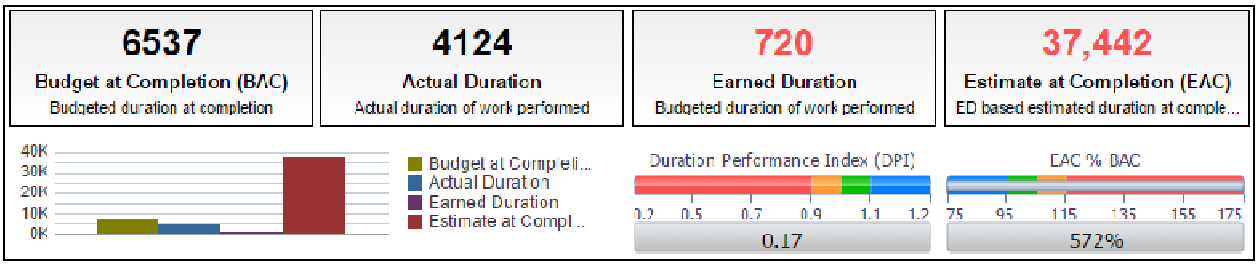
Location

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

Subject Area

Cost Sheet/Activity

Earned Duration Section



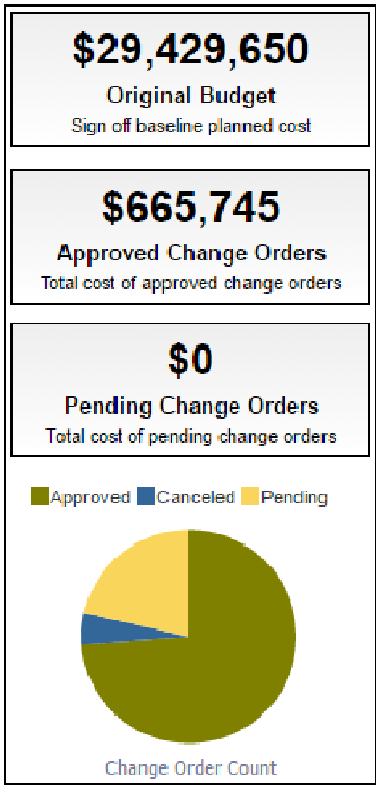
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Performance Measurement**.
3) On the **Project Performance Measurement** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **EArned Duration** section.

Subject Area

Activity

Original Budget & Change Section



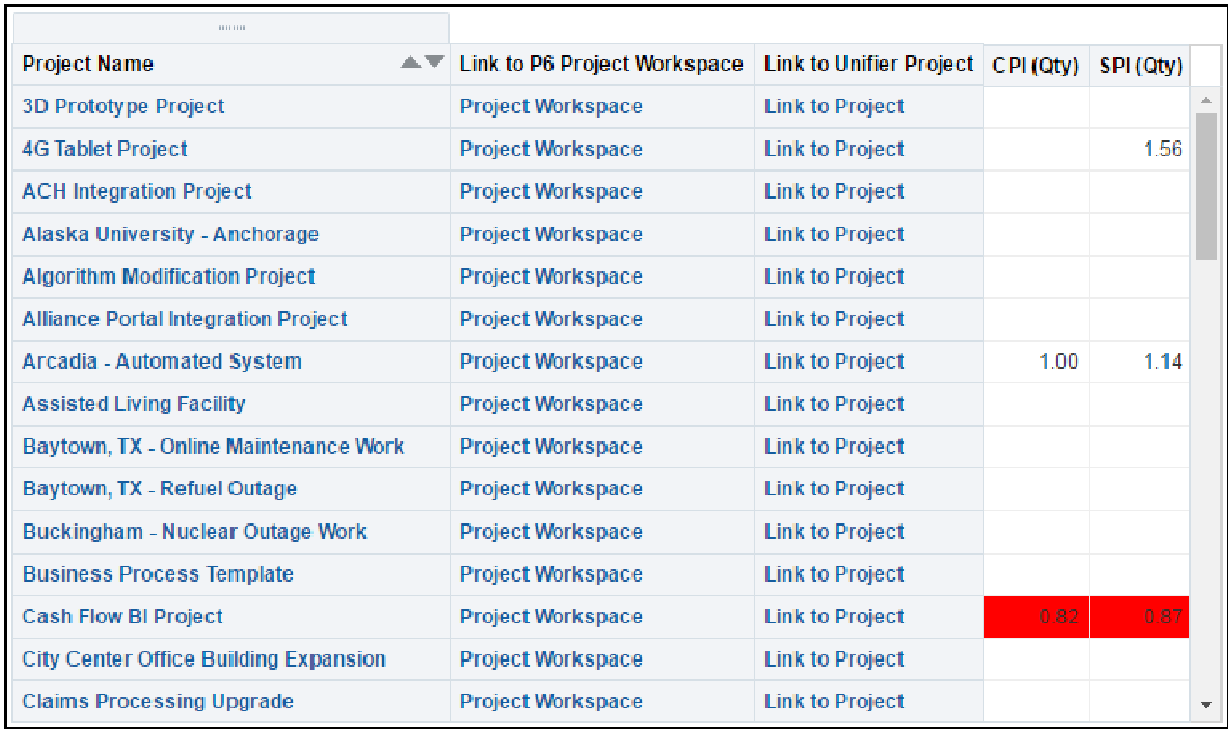
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Performance Measurement**.
3) On the **Project Performance Measurement** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Original Budget & Change** section.

Subject Area

Cost Sheet/Business Process

Overview Table Section



Project Name	Link to P6 Project Workspace	Link to Unifier Project	CPI (Qty)	SPI (Qty)
3D Prototype Project	Project Workspace	Link to Project		
4G Tablet Project	Project Workspace	Link to Project		1.56
ACH Integration Project	Project Workspace	Link to Project		
Alaska University - Anchorage	Project Workspace	Link to Project		
Algorithm Modification Project	Project Workspace	Link to Project		
Alliance Portal Integration Project	Project Workspace	Link to Project		
Arcadia - Automated System	Project Workspace	Link to Project	1.00	1.14
Assisted Living Facility	Project Workspace	Link to Project		
Baytown, TX - Online Maintenance Work	Project Workspace	Link to Project		
Baytown, TX - Refuel Outage	Project Workspace	Link to Project		
Buckingham - Nuclear Outage Work	Project Workspace	Link to Project		
Business Process Template	Project Workspace	Link to Project		
Cash Flow BI Project	Project Workspace	Link to Project	0.82	0.87
City Center Office Building Expansion	Project Workspace	Link to Project		
Claims Processing Upgrade	Project Workspace	Link to Project		

Location

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

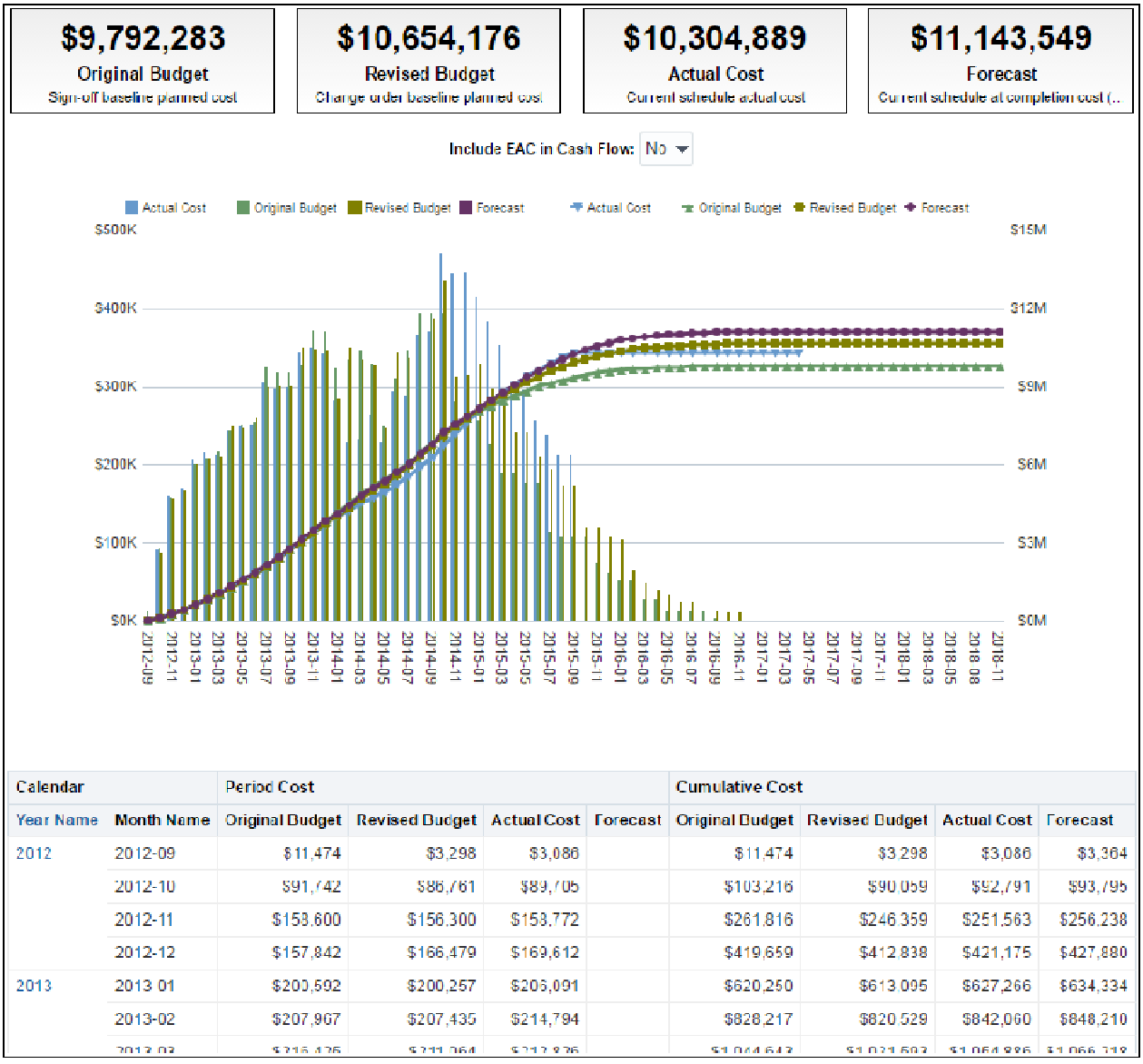
Subject Area

Activity/Cost Sheet

Cost Page

This page provides detailed cash flow information along with performance to plan, forecast, and estimate to complete information. The information is summarized for the projects selected by the filter.

Cash Flow Section



Calendar		Period Cost				Cumulative Cost			
Year Name	Month Name	Original Budget	Revised Budget	Actual Cost	Forecast	Original Budget	Revised Budget	Actual Cost	Forecast
2012	2012-09	$11,474	$3,298	$3,086		$11,474	$3,298	$3,086	$3,364
	2012-10	$91,742	$86,761	$89,705		$103,216	$90,059	$92,791	$93,795
	2012-11	$153,600	$156,300	$153,772		$261,816	$246,359	$251,563	$256,238
	2012-12	$157,842	$166,479	$169,612		$419,659	$412,838	$421,175	$427,880
2013	2013-01	$200,592	$200,257	$205,091		$620,250	$613,095	$627,266	$634,334
	2013-02	$207,967	$207,435	$214,794		$828,217	$820,529	$842,060	$848,210
	2013-03	$216,426	$211,264	$212,836		$1,044,643	$1,031,793	$1,054,896	$1,066,718

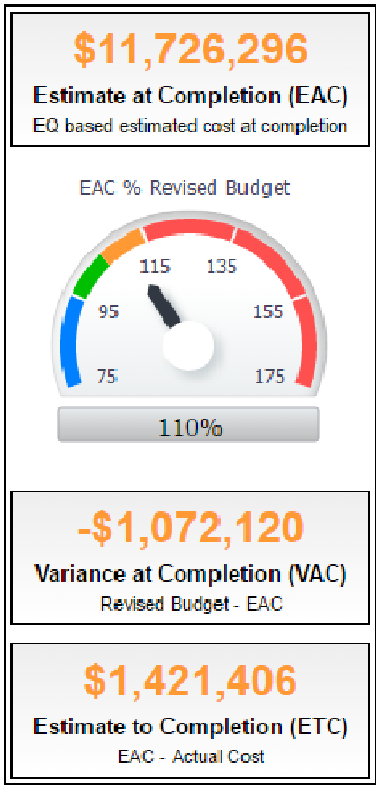
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Performance Measurement**.
3) On the **Project Performance Measurement** dashboard, click the **Cost** page.
4) On the **Cost** page, expand the **Cash Flow** section.

Subject Area

Cash Flow/Activity

EAC Section



Location

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

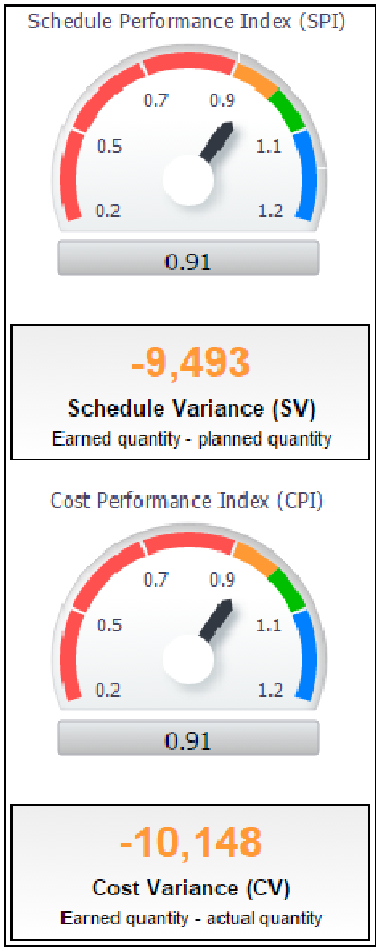
Subject Area

Cash Flow/Activity

Earned Quantity Page

This page displays a detailed S curve and project earned quantity values for all the projects selected by the filter.

SPI & CPI Section



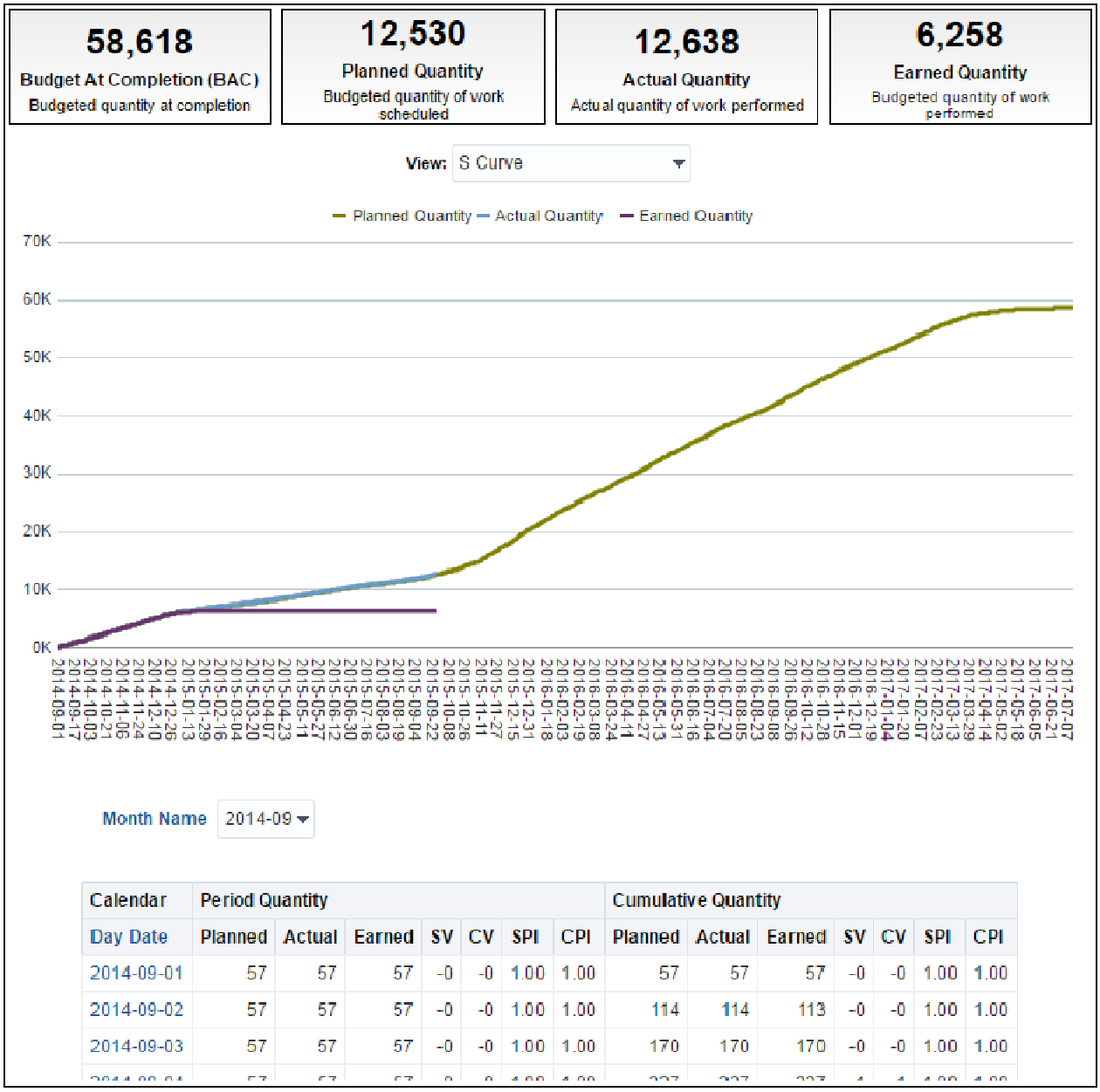
Location

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

Subject Area

Activity

S Curve Section



Calendar	Period Quantity							Cumulative Quantity						
Day Date	Planned	Actual	Earned	SV	CV	SPI	CPI	Planned	Actual	Earned	SV	CV	SPI	CPI
2014-09-01	57	57	57	-0	-0	1.00	1.00	57	57	57	-0	-0	1.00	1.00
2014-09-02	57	57	57	-0	-0	1.00	1.00	114	114	113	-0	-0	1.00	1.00
2014-09-03	57	57	57	-0	-0	1.00	1.00	170	170	170	-0	-0	1.00	1.00

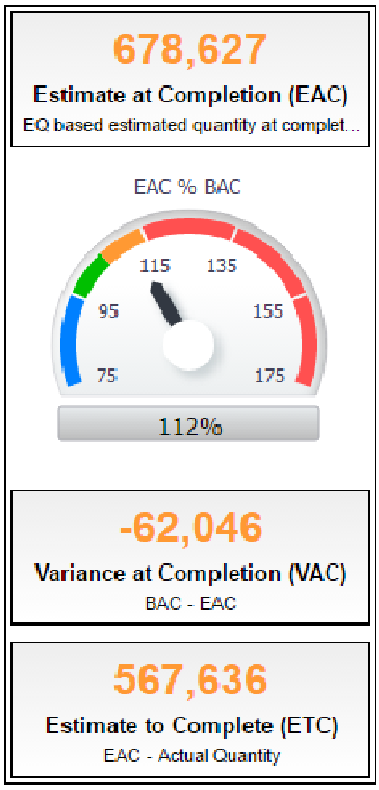
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Performance Measurement**.
3) On the **Project Performance Measurement** dashboard, click the **Earned Quantity** page.
4) On the **Earned Quantity** page, expand the **S Curve** section.

Subject Area

Activity

EAC Section



Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Performance Measurement**.
3) On the **Project Performance Measurement** dashboard, click the **Earned Quantity** page.
4) On the **Earned Quantity** page, expand the **EAC** section.

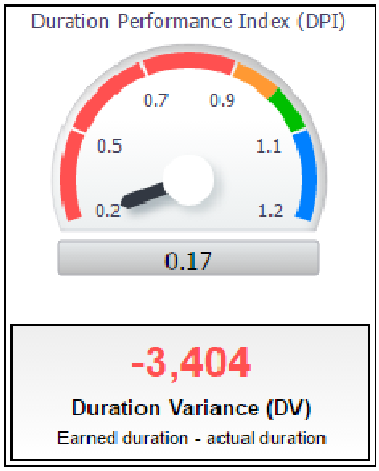
Subject Area

Activity

Earned Duration Page

This page displays a detailed S curve for the earned duration of all the projects selected by the filter.

DPI Section



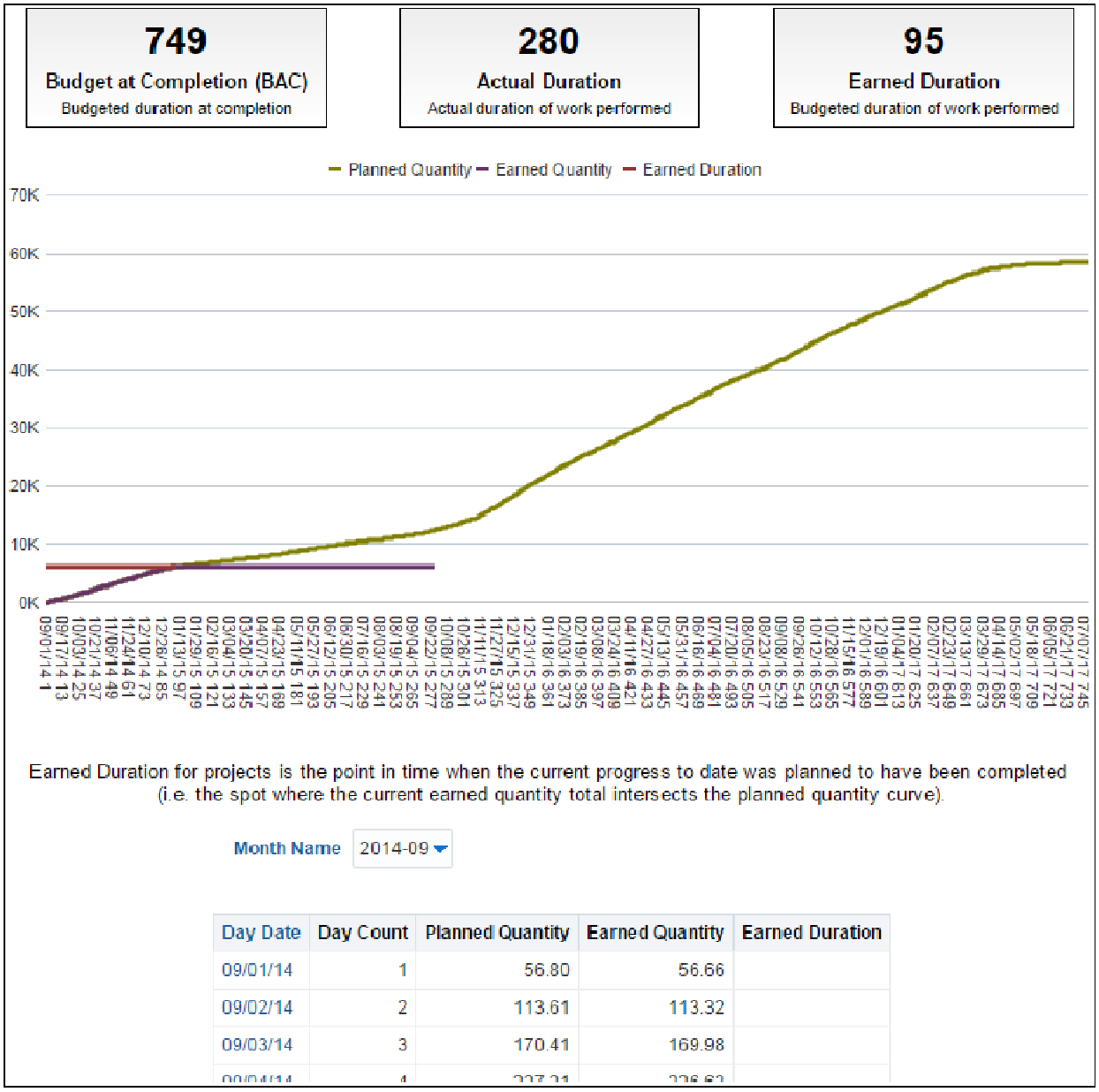
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Performance Measurement**.
3) On the **Project Performance Measurement** dashboard, click the **Earned Duration** page.
4) On the **Earned Duration** page, expand the **DPI** section.

Subject Area

Activity

S Curve Section



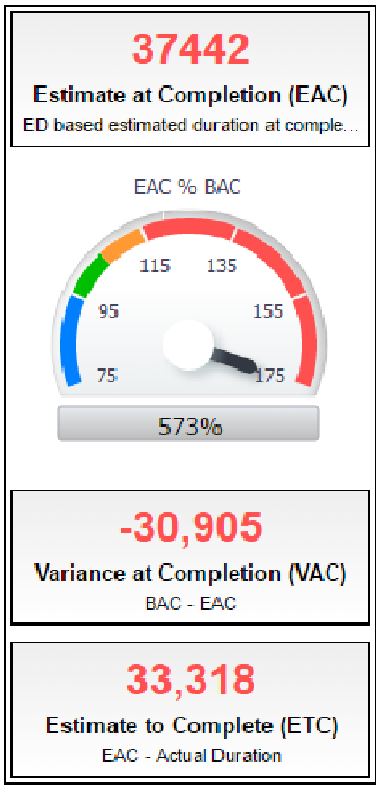
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Performance Measurement**.
3) On the **Project Performance Measurement** dashboard, click the **Earned Duration** page.
4) On the **Earned Duration** page, expand the **S Curve** section.

Subject Area

Activity

EAC Section



Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Performance Measurement**.
3) On the **Project Performance Measurement** dashboard, click the **Earned Duration** page.
4) On the **Earned Duration** page, expand the **EAC** section.

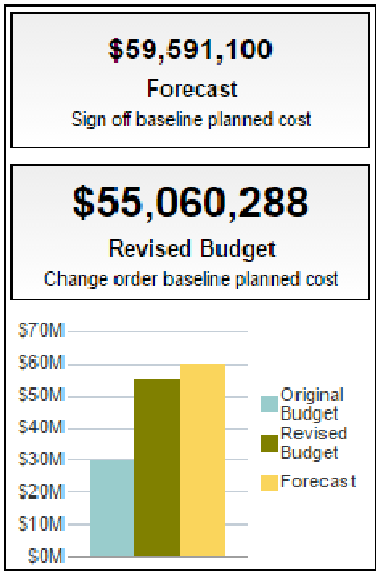
Subject Area

Activity

Change Orders Page

This page displays change order details, including original and revised budget information.

Original & Revised Budget Section



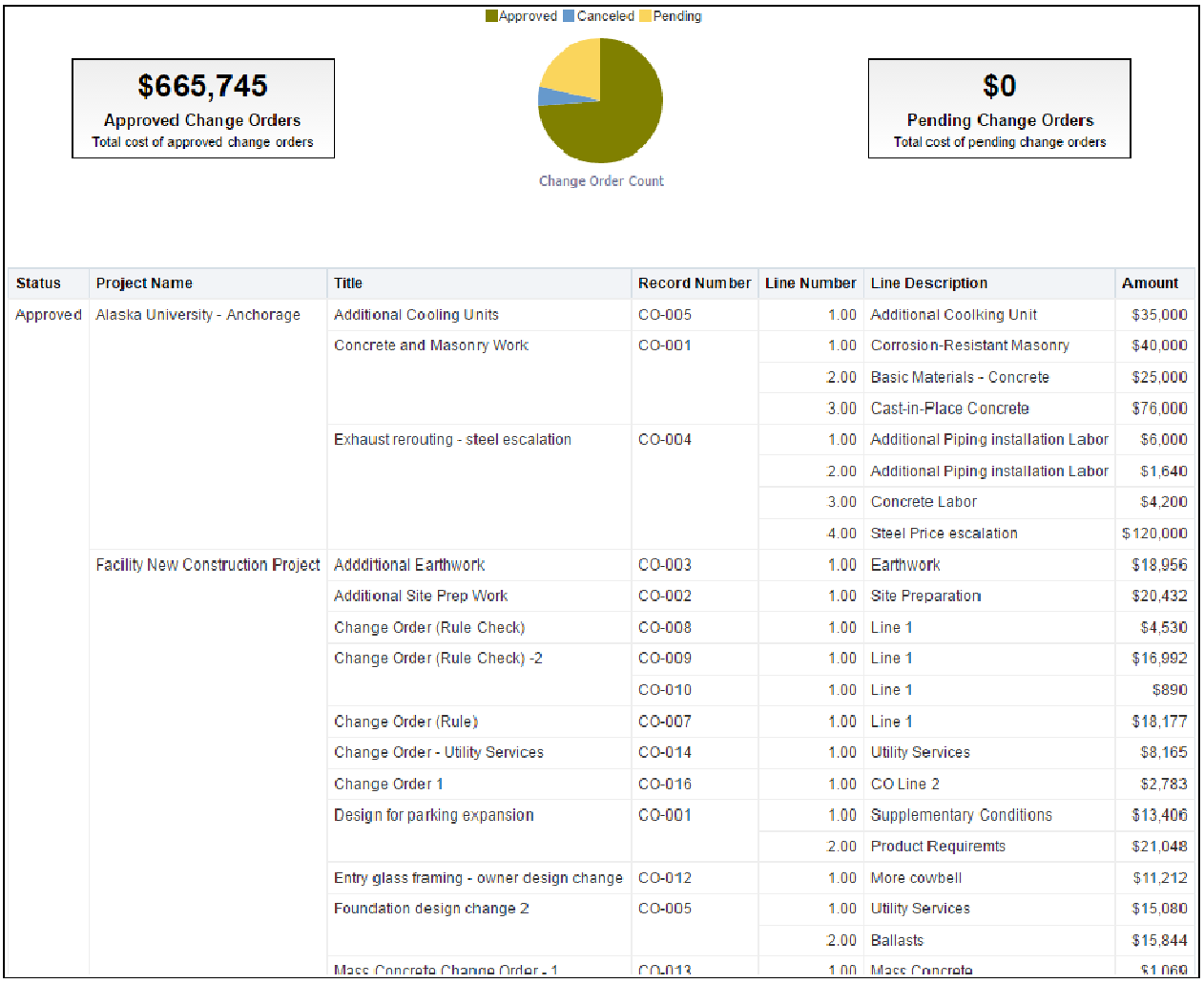
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Performance Measurement**.
3) On the **Project Performance Measurement** dashboard, click the **Change Orders** page.
4) On the **Change Orders** page, expand the **Original & Revised Budget** section.

Subject Area

Cost Sheet

Change Orders Section



Status	Project Name	Title	Record Number	Line Number	Line Description	Amount
Approved	Alaska University - Anchorage	Additional Cooling Units	CO-005	1.00	Additional Coolking Unit	$35,000
		Concrete and Masonry Work	CO-001	1.00	Corrosion-Resistant Masonry	$40,000
				2.00	Basic Materials - Concrete	$25,000
				3.00	Cast-in-Place Concrete	$76,000
		Exhaust rerouting - steel escalation	CO-004	1.00	Additional Piping installation Labor	$6,000
				2.00	Additional Piping installation Labor	$1,640
				3.00	Concrete Labor	$4,200
				4.00	Steel Price escalation	$120,000
	Facility New Construction Project	Addditional Earthwork	CO-003	1.00	Earthwork	$18,956
		Additional Site Prep Work	CO-002	1.00	Site Preparation	$20,432
		Change Order (Rule Check)	CO-008	1.00	Line 1	$4,530
		Change Order (Rule Check) -2	CO-009	1.00	Line 1	$16,992
			CO-010	1.00	Line 1	$890
		Change Order (Rule)	CO-007	1.00	Line 1	$18,177
		Change Order - Utility Services	CO-014	1.00	Utility Services	$8,165
		Change Order 1	CO-016	1.00	CO Line 2	$2,783
		Design for parking expansion	CO-001	1.00	Supplementary Conditions	$13,406
				2.00	Product Requiremts	$21,048
		Entry glass framing - owner design change	CO-012	1.00	More cowbell	$11,212
		Foundation design change 2	CO-005	1.00	Utility Services	$15,080
				2.00	Ballasts	$15,844
		Mass Concrete Change Order - 1	CO-013	1.00	Mass Concrete	$1,069

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Performance Measurement**.
3) On the **Project Performance Measurement** dashboard, click the **Change Orders** page.
4) On the **Change Orders** page, expand the **Change Orders** section.

Subject Area

Business Process

Activity Details Page

This page displays activity-level earned duration and earned quantity information for the projects selected by the filter.

Activity Performance Table Section

Project Name	Activity Name	Activity Status	Baseline Project Duration	Actual Duration	Earned Duration	Estimated Duration at Completion	Estimated Days Late / (Early)	SPI (Qty)	CPI (Qty)	Planned Quantity	Earned Quantity	Schedule Variance (Qty)	Actual Quantity	Cost Variance (Qty)	ETC (Qty)	BAC (Qty)	EAC (Qty)	Variance At Completion (Qty)
Arcadia - Automated System	Approve System Design	Completed	40.00	32.00	32.00	40.00	0.00	1.00	1.00	80.00	80.00	-0.00	74.00	6.00		80.00	74.00	6.00
	Automatic Operation Ready	Completed	8.00	8.00														
	Award Contract for System Controller	Completed	8.00	8.00	8.00	8.00	-0.00	1.00	1.00	8.00	8.00	0.00	8.00	0.00		8.00	8.00	0.00
	Award Contract for Temp Control Equipment	Completed	8.00	16.00	16.00	16.00	8.00	1.00	1.00	10.00	10.00	0.00	10.00	0.00		10.00	10.00	0.00
	Calibrate Robot Controller & Power Up	Completed	8.00	8.00					1.33	0.00	8.00	8.00	6.00	2.00		8.00	6.00	2.00
	Debug Software	Completed	48.00	48.00					1.00	0.00	48.00	48.00	48.00	0.00		48.00	48.00	0.00
	Define System Requirements	Completed	112.00	104.00	104.00	112.00	-0.00	1.00	1.01	160.00	160.00	0.00	166.00	2.00		160.00	166.00	2.00
	Fabricate & Deliver Temp Control Equipment	Completed	136.00	136.00	136.00	136.00	0.00	1.00	1.04	170.00	170.00	0.00	164.00	6.00		170.00	164.00	6.00
	Fabricate and Deliver System Controller	Completed	192.00	192.00	192.00	192.00	0.00	1.00	1.03	144.00	144.00	0.00	140.00	4.00		144.00	140.00	4.00
	Install Bar Rails	Completed	32.00	32.00	32.00	32.00	0.00	1.00	1.07	32.00	32.00	-0.00	30.00	2.00		32.00	30.00	2.00
	Install Electrical Power	Completed	115.00	128.00	128.00	128.00	13.00	1.00	0.92	115.00	115.00	0.00	125.00	-10.00		115.00	125.00	-10.00
	Install Processor/Software/Data Tapes	Completed	24.00	24.00					0.80	0.00	12.00	12.00	15.00	3.00		12.00	15.00	3.00
	Install Robot Base	Completed	116.20	104.00	104.00	116.20	-0.00	1.00	1.25	5.00	5.00	0.00	4.00	1.00		5.00	4.00	1.00
	Install System & Misc. Components	Completed	120.00	104.00	104.00	120.00	-0.00	1.00	0.96	80.00	80.00	0.00	83.00	-3.00		80.00	83.00	-3.00
	Install System Controller	Completed	100.00	96.00	96.00	100.00	0.00	1.00	1.03	64.00	64.00	0.00	62.00	2.00		64.00	62.00	2.00
	Install Temperature Control Equipment	Completed	231.22	208.00	208.00	231.22	0.00	1.00	1.03	505.02	505.02	-0.00	491.00	14.02		505.02	491.00	14.02
	Installation Begins	Completed	0.00	0.00														
	Load System Software	Completed	8.00	8.00					1.00	0.00	16.00	16.00	16.00	0.00		16.00	16.00	0.00

Location

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

Subject Area

Activity

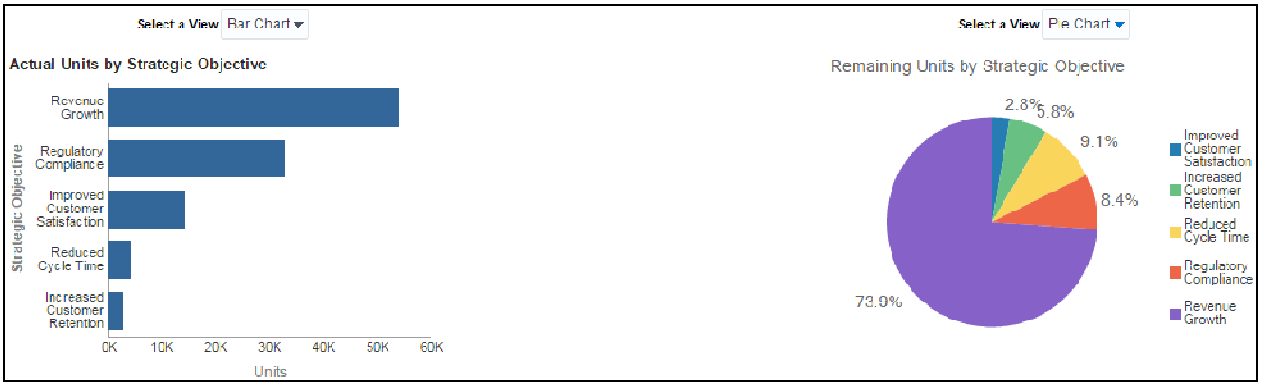
Resource Analysis Dashboard

The Resource Analysis dashboard uses data from P6 EPPM.

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

Overview Page

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 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).

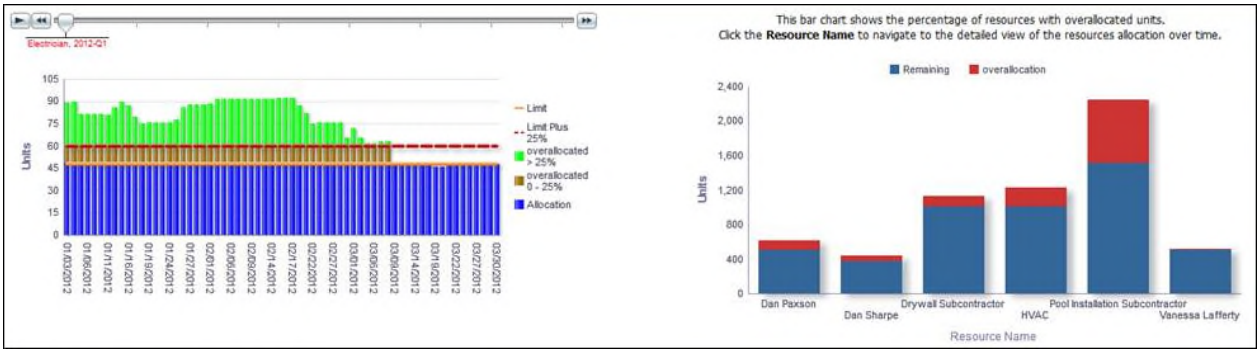
Location

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 Area

Resource Assignment

Resource Allocation Section



Purpose

The bar chart shows how resource 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.

The stacked bar chart 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.

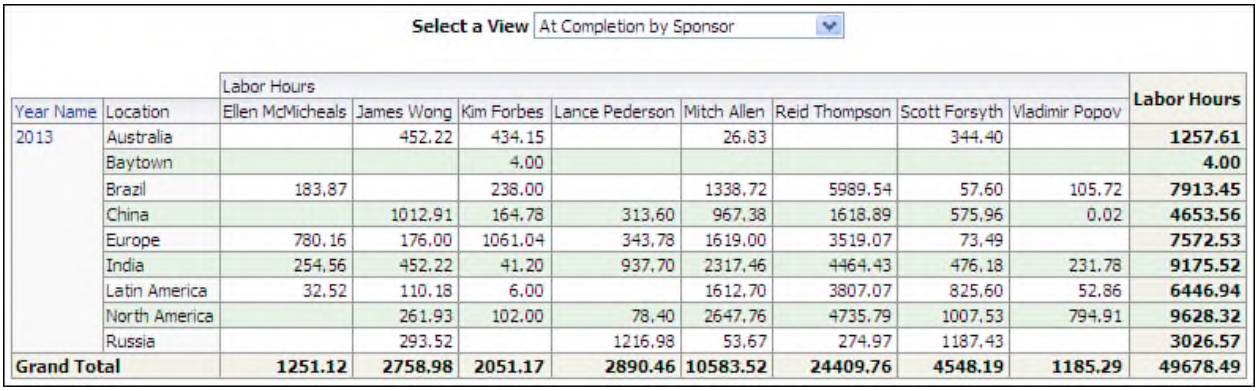
Location

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 Area

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

The 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.

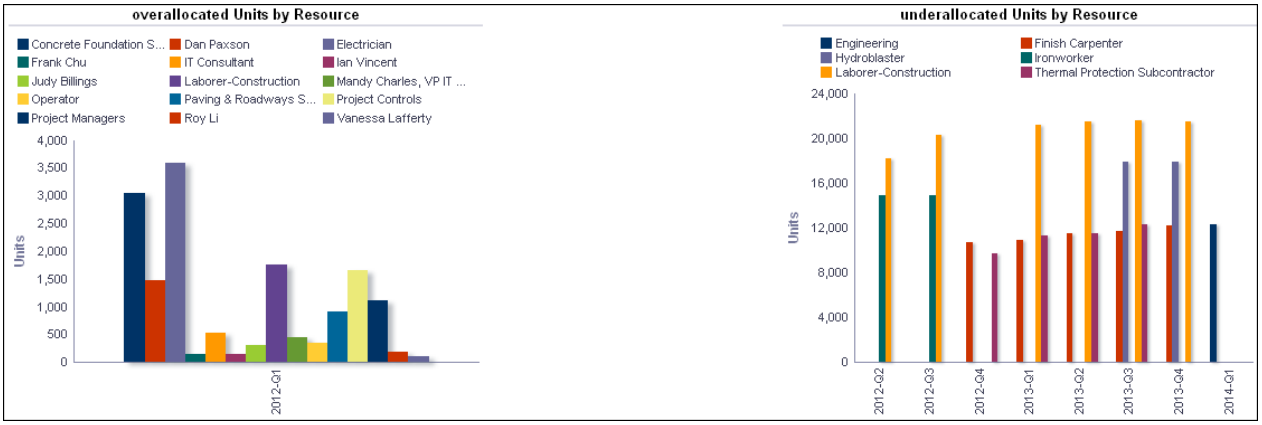
Location

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 Area

Resource Assignment

Over/Under Allocation Section



Purpose

The analysis shows Overallocated Units By Resource and Underallocated Units By Resource bar charts.

The Overallocated Units By Resource bar chart 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 chart.

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 bar chart 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 chart.

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 Area

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

The 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).

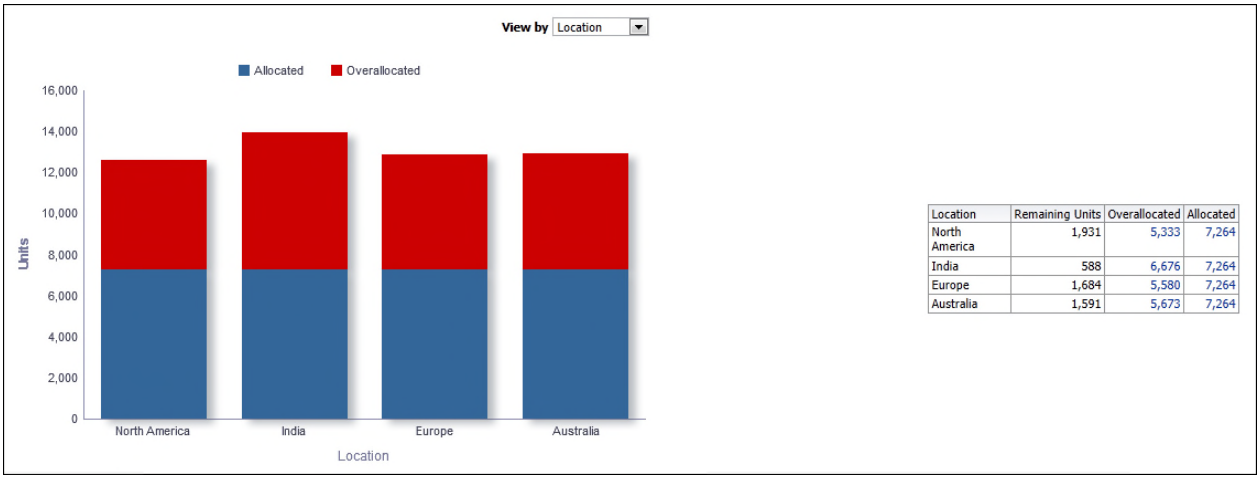
Location

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 Area

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

The stacked bar chart 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.

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

The table contains columns for:

- Remaining Units
- Overallocated
- Allocated

Table rows are determined by the View by list selection.

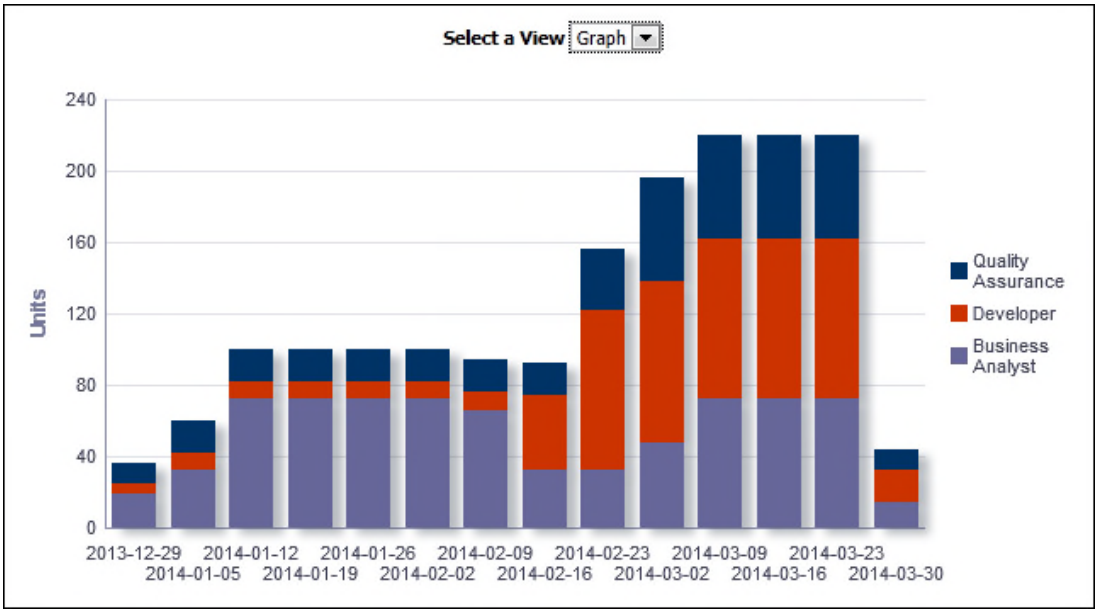
Location

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 Area

Resource Utilization

Hours by Role Section



Purpose

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

- Business Analyst
- Developer
- Quality Assurance

The x-axis 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.

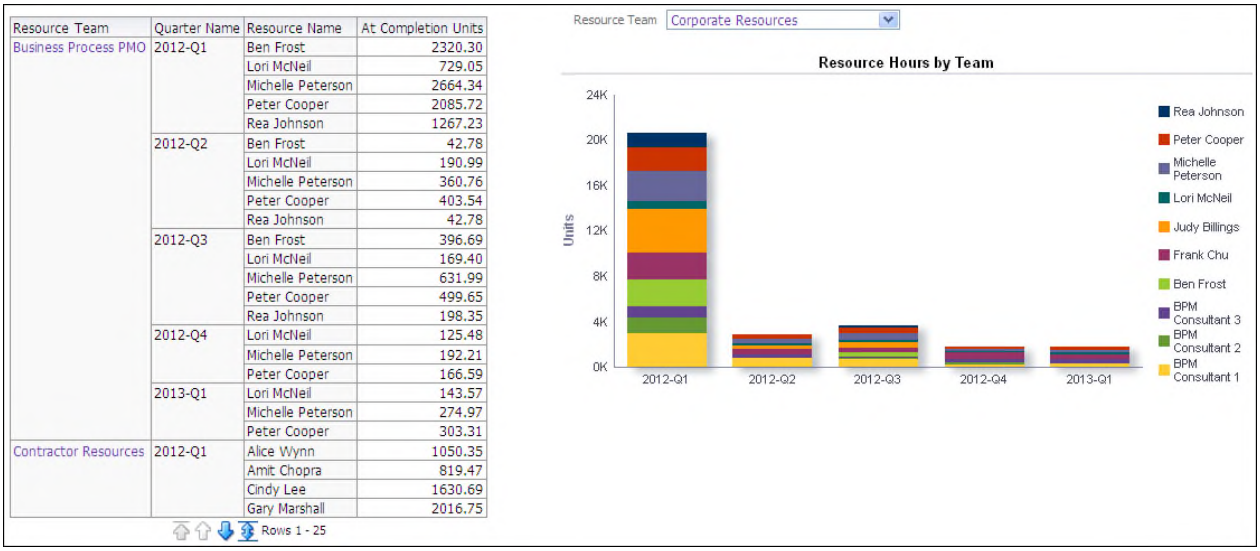
Location

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 Area

Resource Assignment

Total Hours by Team Section



Resource Team	Quarter Name	Resource Name	At Completion Units
Business Process PMO	2012-Q1	Ben Frost	2320.30
		Lori McNeil	729.05
		Michelle Peterson	2664.34
		Peter Cooper	2085.72
		Rea Johnson	1267.23
	2012-Q2	Ben Frost	42.78
		Lori McNeil	190.99
		Michelle Peterson	360.76
		Peter Cooper	403.54
		Rea Johnson	42.78
	2012-Q3	Ben Frost	396.69
		Lori McNeil	169.40
		Michelle Peterson	631.99
		Peter Cooper	499.65
		Rea Johnson	198.35
	2012-Q4	Lori McNeil	125.48
		Michelle Peterson	192.21
		Peter Cooper	166.59
	2013-Q1	Lori McNeil	143.57
		Michelle Peterson	274.97
		Peter Cooper	303.31
Contractor Resources	2012-Q1	Alice Wynn	1050.35
		Amit Chopra	819.47
		Cindy Lee	1630.69
		Gary Marshall	2016.75

Rows 1 - 25

Purpose

The 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 bar graph. The table has columns for:

- Resource Team
- Quarter Name
- Resource Name
- At Completion Units

The Resource Hours by Team stacked 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.

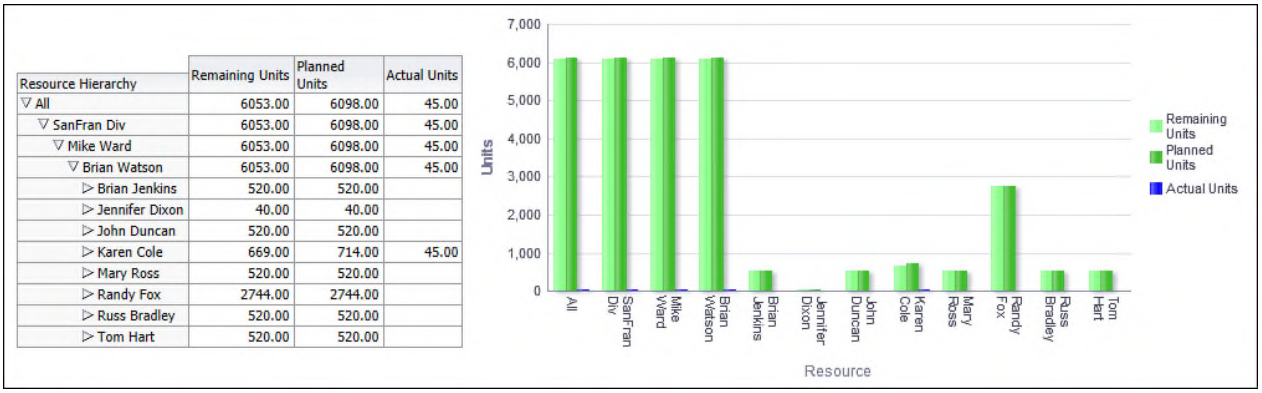
Location

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.

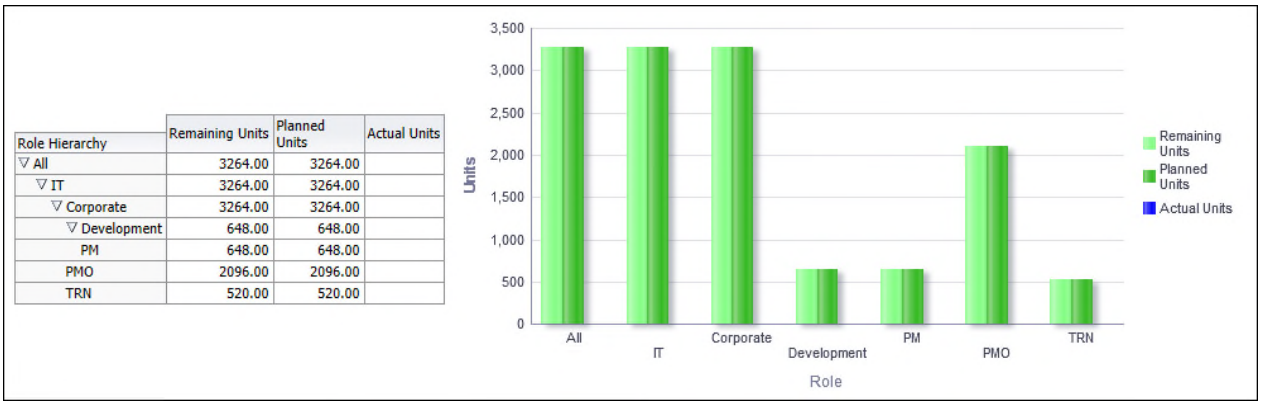
Subject Area

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

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

- Remaining Units
- Planned Units
- Actual Units

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

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

- Remaining Units
- Planned Units
- Actual Units

In the bar chart, 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.

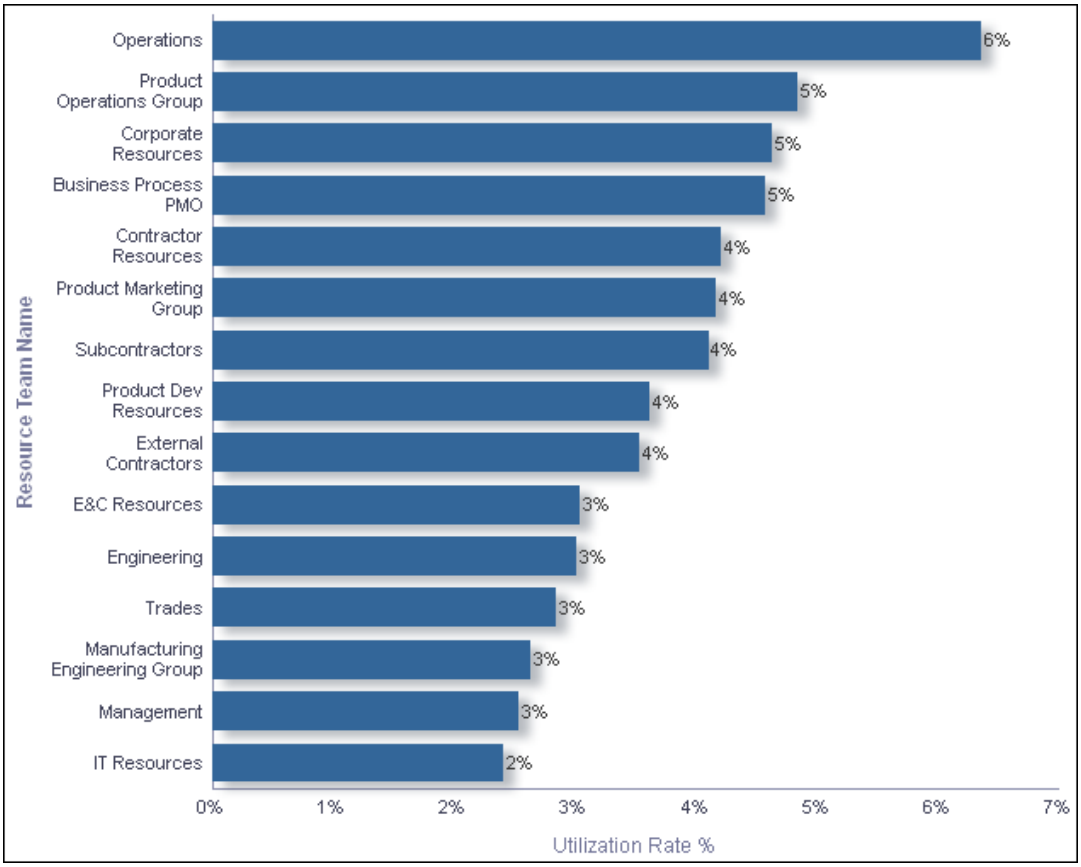
Subject Area

Resource Assignment

Productivity Page

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

Resource Utilization by Team Section



Purpose

The bar chart 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.

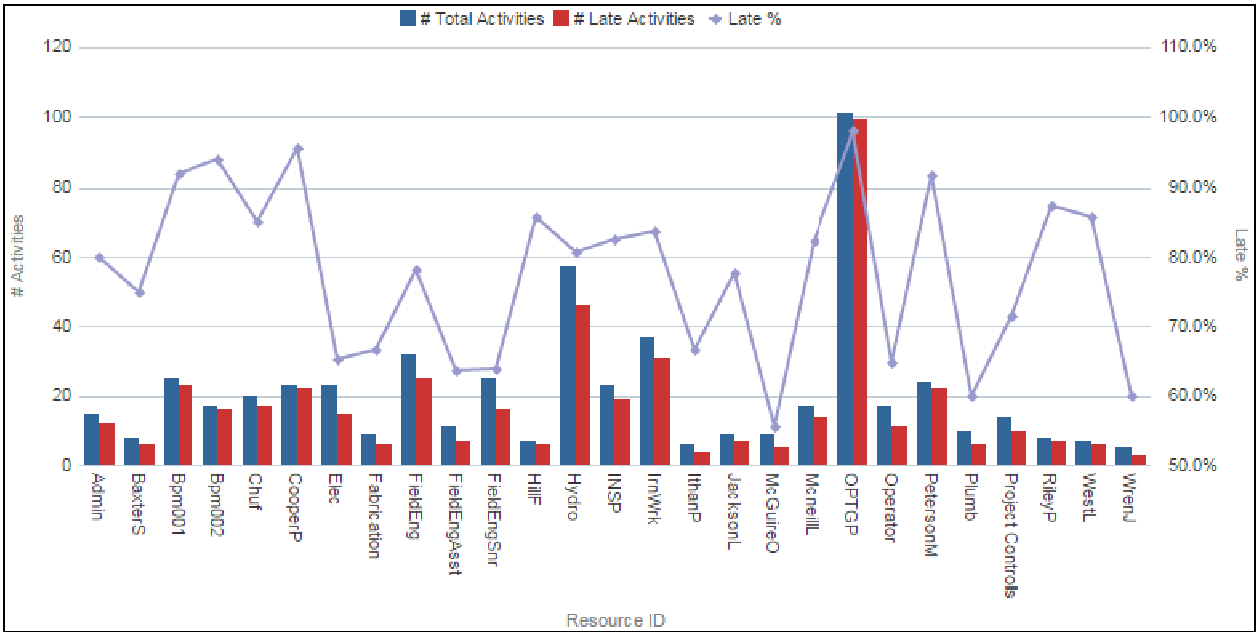
Location

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 Area

Resource Utilization

Poorly Performing Resources Section



Purpose

The line-bar chart displays poorly performing resources broken down by resource ID, number of activities, and late percentage.

The x-axis shows the resource ID. The y-axis for the bars, on the left, shows the number of total and late activities. The y-axis for the lines, on the right, shows late percentage. Hover over and click a bar or a point on a line to drill-down for detailed information.

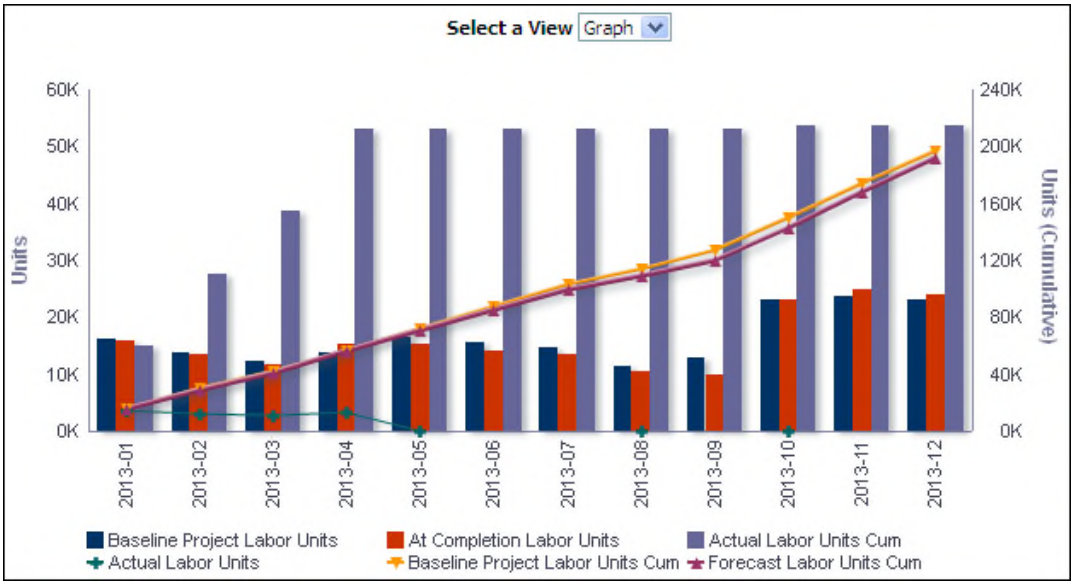
Location

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 **Poorly Performing Resources** section.

Subject Area

Activity

Periodic and Cumulative Labor Units by Month Section



Purpose

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

The line-bar chart 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 contains 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).

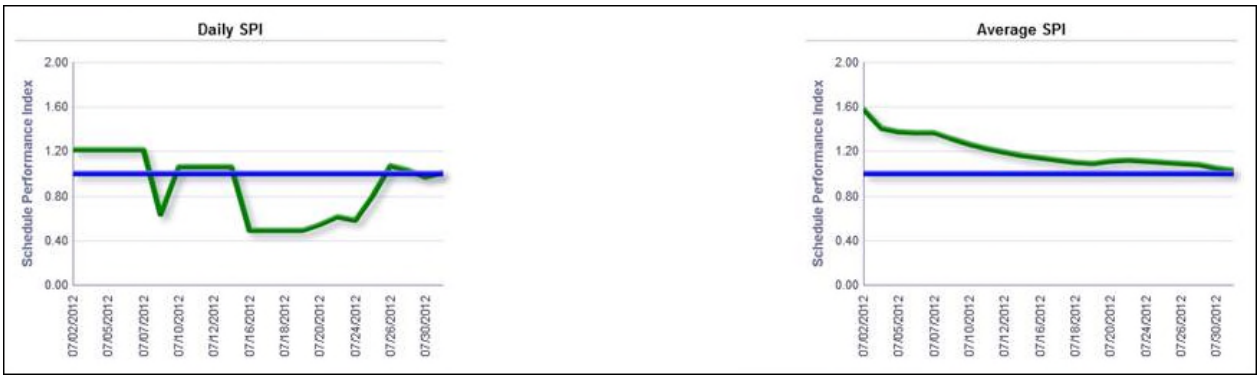
Location

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 Area

Activity

Daily vs. Average SPI by Resource Section



Purpose

The Daily SPI and Average SPI line charts 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 chart. Once the chart exceeds 30 days, the average is of the 30 days prior to the data point.

The x-axis for both charts shows dates. The y-axis for both charts 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.

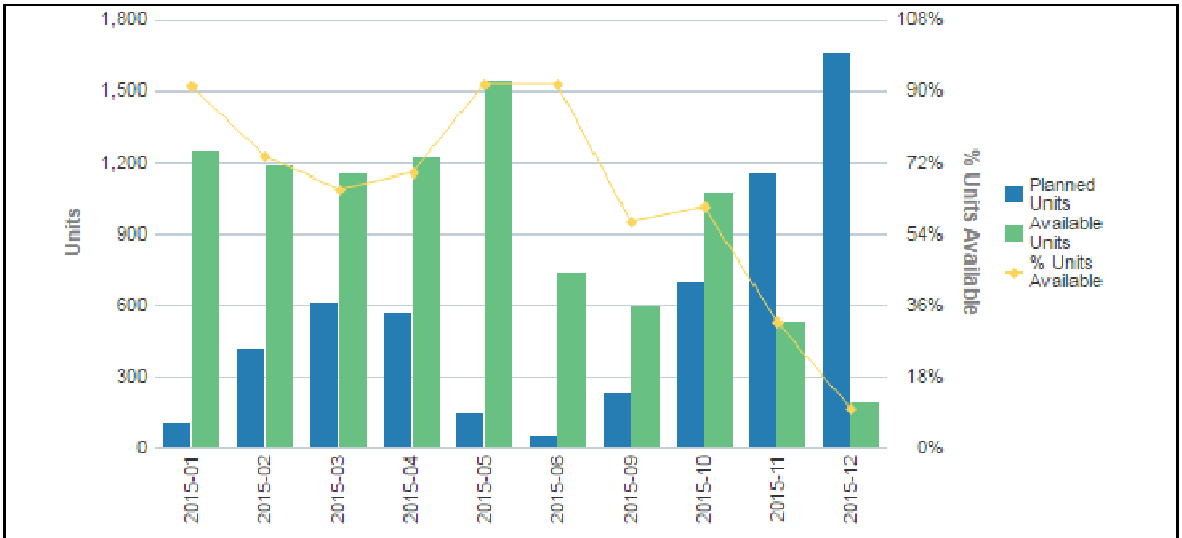
Subject Area

Activity

Utilization Page

This page shows resource availability, utilization, and capacity.

Resource Availability Section



Resource ID Elec Resource Name Electrician

	2015-01	2015-02	2015-03	2015-04	2015-05	2015-06	2015-09	2015-10	2015-11	2015-12
Limit	1360.00	1600.00	1760.00	1760.00	1680.00	800.00	1040.00	1760.00	1680.00	1840.00
Planned Units	102.00	416.00	605.98	565.73	140.01	52.70	228.44	691.42	1149.69	1653.97
Available Units	1244.00	1180.00	1144.11	1219.04	1540.10	733.18	593.76	1068.58	530.31	186.03
% Units Available	91%	74%	65%	69%	92%	92%	57%	61%	32%	10%

Purpose

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

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

Location

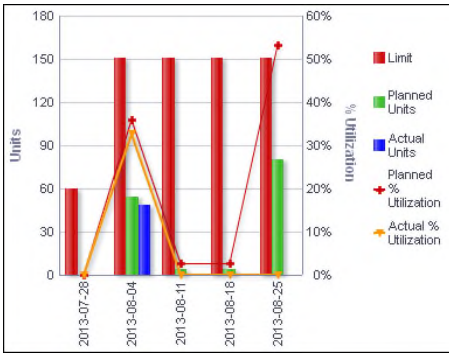
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.

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

Subject Area

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

The line-bar chart 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 chart 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.

The 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.

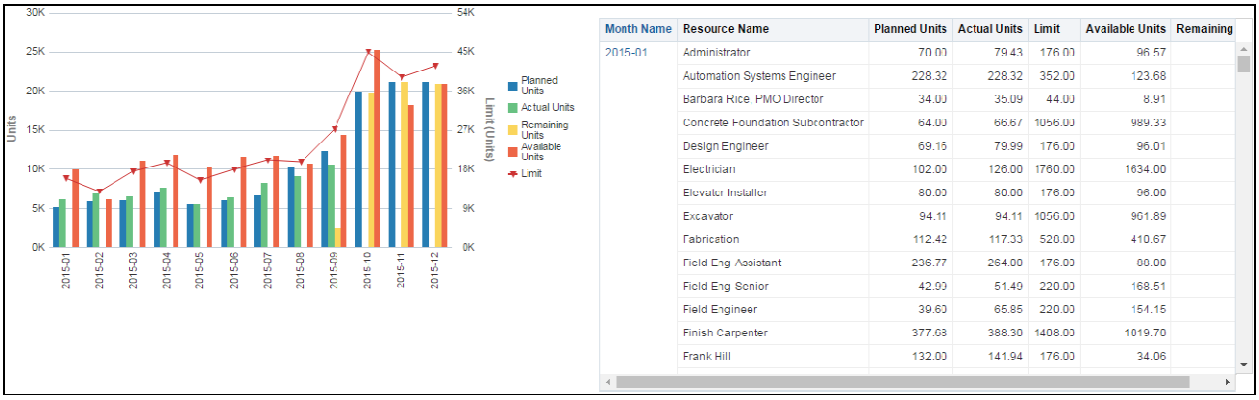
Location

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 Area

Resource Utilization

Capacity Section



Month Name	Resource Name	Planned Units	Actual Units	Limit	Available Units	Remaining
2015-01	Administrator	70.00	79.43	176.00	96.57	
	Automation Systems Engineer	228.32	228.32	352.00	123.68	
	Barbara Rice PMO Director	34.00	35.09	44.00	8.91	
	Concrete Foundation Subcontractor	64.00	66.67	1056.00	989.33	
	Design Engineer	69.15	79.99	176.00	96.01	
	Electrician	102.00	126.00	1760.00	1634.00	
	Elevator Installer	80.00	80.00	176.00	96.00	
	Excavator	94.11	94.11	1056.00	961.89	
	Fabrication	112.42	117.33	528.00	410.67	
	Field Eng Assistant	236.77	264.00	176.00	88.00	
	Field Eng Senior	42.00	51.49	220.00	168.51	
	Field Engineer	39.60	65.85	220.00	154.15	
	Finish Carpenter	377.68	388.30	1408.00	1019.70	
	Frank Hill	132.00	141.94	176.00	34.06	

Purpose

The line-bar chart breaks data for the selected resource down by month. The chart 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.

The pivot table breaks data down by month then resource. For each resource, the pivot table contains 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.

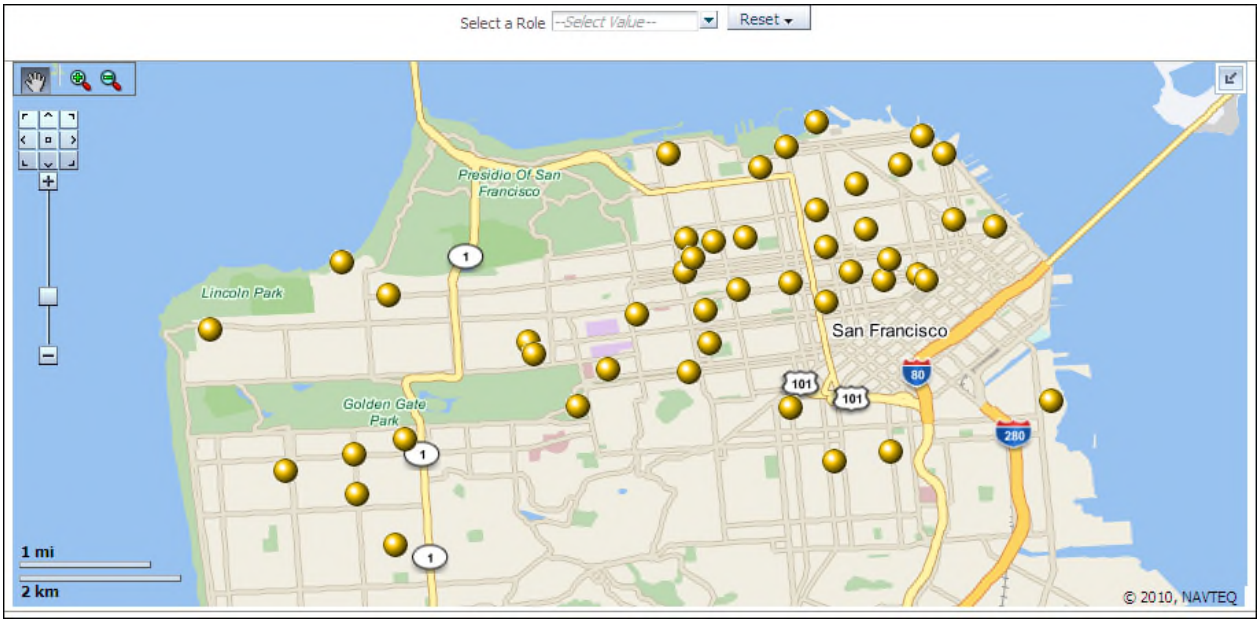
Subject Area

Resource Assignment

Location Page

This page shows location information for resources.

Resource Location by Role Section



Purpose

The 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.

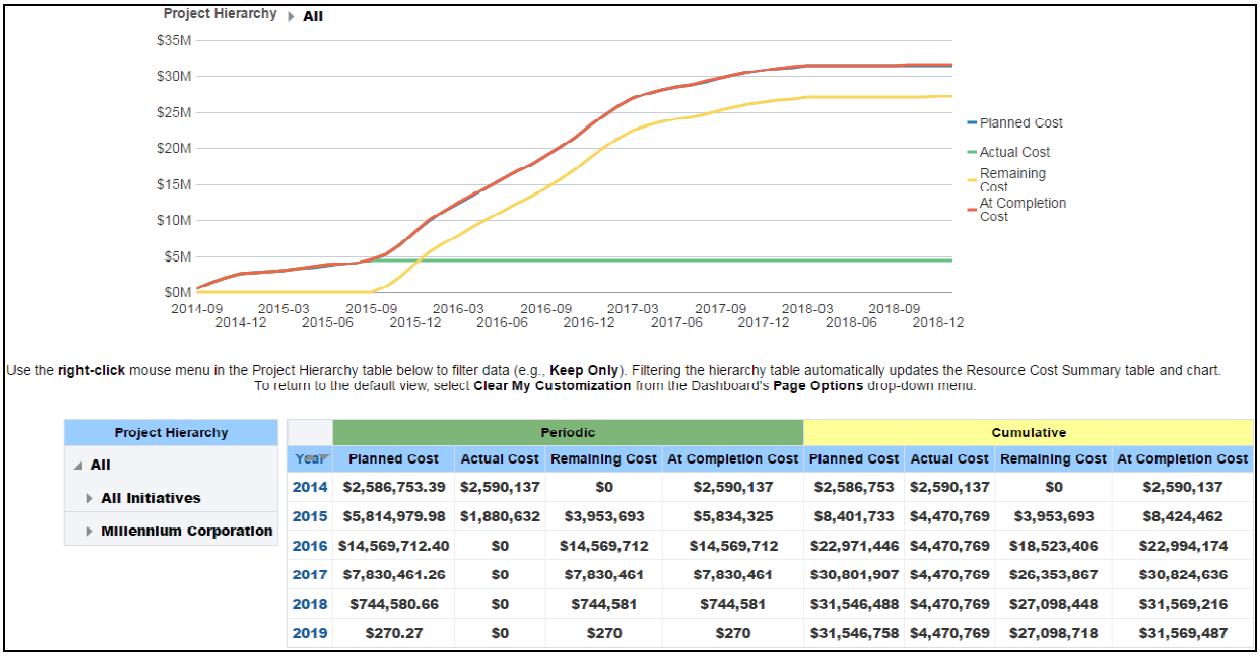
Subject Area

Resource Assignment

Cost Summary Page

This page shows cost summary information for resources. The Cost Summary dashboard uses data from Primavera Unifier.

Cost Summary by Project Section



Use the **right-click** mouse menu in the Project Hierarchy table below to filter data (e.g., **Keep Only**). Filtering the hierarchy table automatically updates the Resource Cost Summary table and chart. To return to the default view, select **Clear My Customization** from the Dashboard's **Page Options** drop-down menu.

Project Hierarchy	Periodic				Cumulative			
	Planned Cost	Actual Cost	Remaining Cost	At Completion Cost	Planned Cost	Actual Cost	Remaining Cost	At Completion Cost
All								
All Initiatives								
Millennium Corporation								
Year								
2014	$2,586,753.39	$2,590,137	$0	$2,590,137	$2,586,753	$2,590,137	$0	$2,590,137
2015	$5,814,979.98	$1,880,632	$3,953,693	$5,834,325	$8,401,733	$4,470,769	$3,953,693	$8,424,462
2016	$14,569,712.40	$0	$14,569,712	$14,569,712	$22,971,446	$4,470,769	$18,523,406	$22,994,174
2017	$7,830,461.26	$0	$7,830,461	$7,830,461	$30,801,907	$4,470,769	$26,353,867	$30,824,636
2018	$744,580.66	$0	$744,581	$744,581	$31,546,488	$4,470,769	$27,098,448	$31,569,216
2019	$270.27	$0	$270	$270	$31,546,758	$4,470,769	$27,098,718	$31,569,487

Purpose

The line chart displays the progression of Planned Cost, Actual Cost, Remaining Cost, and At Completion Cost. The date is represented on the x-axis, and the amount is represented on the y-axis.

The pivot table shows Periodic and Cumulative cost comparisons sorted by year. The table contains the following columns:

- Year
- Planned Cost
- Actual Cost
- Remaining Cost
- At Completion Cost

The data in this section can be filtered by Project Hierarchy.

Location

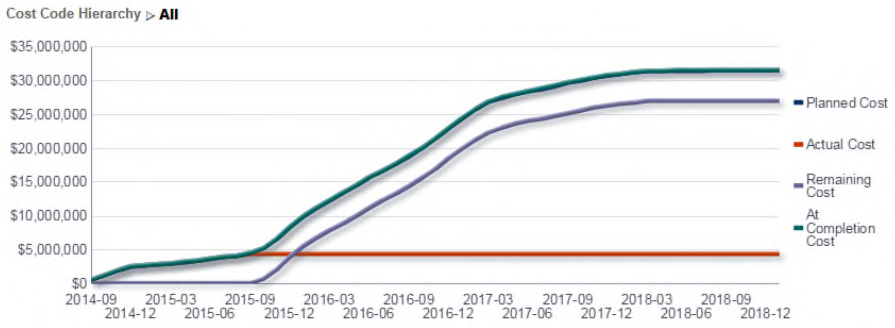
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.
3) On the **Resource Analysis** dashboard, click the **Cost Summary** page.

4) On the **Cost Summary** page, expand the **Cost Summary by CBS** section.

Subject Area

Resource Cost Summary

Cost Summary by CBS Section



Use the **right-click** mouse menu in the Cost Code Hierarchy table below to filter data (e.g., **Keep Only**). Filtering the hierarchy table automatically updates the Resource Cost Summary table and chart. To return to the default view, select **Clear My Customization** from the Dashboard's **Page Options** drop-down menu.

Cost Code Hierarchy		Periodic				Cumulative			
▽ All	Year	Planned Cost	Actual Cost	Remaining Cost	At Completion Cost	Planned Cost	Actual Cost	Remaining Cost	At Completion Cost
▷ 50000	2014	$2,586,753.39	$2,590,137	$0	$2,590,137	$2,586,753	$2,590,137	$0	$2,590,137
▷ 60-00-00	2015	$5,814,979.98	$1,880,632	$3,953,693	$5,834,325	$8,401,733	$4,470,769	$3,953,693	$8,424,462
▷ 70-00-00	2016	$14,569,712.40	$0	$14,569,712	$14,569,712	$22,971,446	$4,470,769	$18,523,406	$22,994,174
▷ 70000	2017	$7,830,461.26	$0	$7,830,461	$7,830,461	$30,801,907	$4,470,769	$26,353,867	$30,824,636
▷ 80-00-00	2018	$744,580.66	$0	$744,581	$744,581	$31,546,488	$4,470,769	$27,098,448	$31,569,216
▷ 90000	2019	$270.27	$0	$270	$270	$31,546,758	$4,470,769	$27,098,718	$31,569,487

Purpose

The chart shows the progression of Planned Cost, Actual Cost, Remaining Cost, and At Completion Cost. Date is represented on the x-axis, and amount is represented on the y-axis.

The table shows Periodic and Cumulative cost comparisons sorted by year. The table contains the following columns:

- Year
- Planned Cost
- Actual Cost
- Remaining Cost
- At Completion Cost

The data in this section can be filtered by Cost Code Hierarchy.

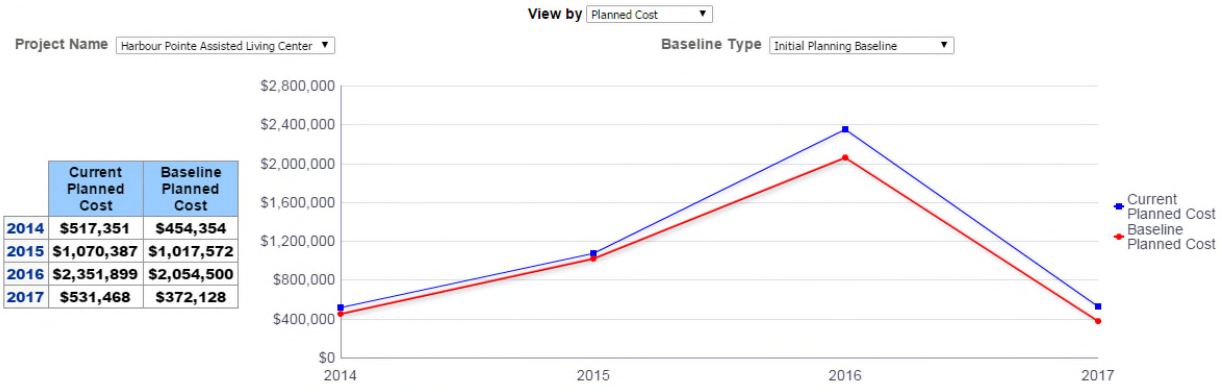
Location

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

Subject Area

Resource Cost Summary

Current vs. Baseline Cost Section



	Current Planned Cost	Baseline Planned Cost
2014	$517,351	$454,354
2015	$1,070,387	$1,017,572
2016	$2,351,899	$2,054,500
2017	$531,468	$372,128

Purpose

The chart shows the progression of Current Planned Cost and Baseline Planned Cost. Year is represented on the x-axis, and amount is represented on the y-axis.

The table shows Current Planned Cost and Baseline Planned Cost comparisons sorted by year.

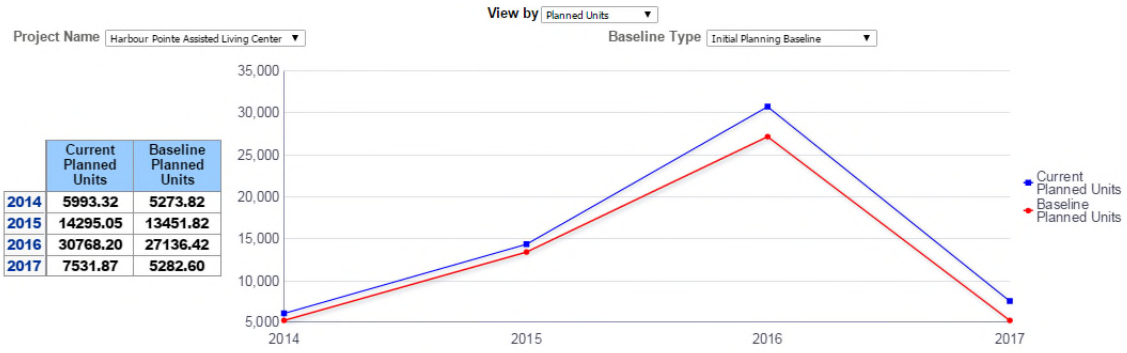
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.
3) On the **Resource Analysis** dashboard, click the **Cost Summary** page.
4) On the **Cost Summary** page, expand the **Current vs. Baseline Cost** section.

Subject Area

Resource Cost Summary

Current vs. Baseline Units Section



	Current Planned Units	Baseline Planned Units
2014	5993.32	5273.82
2015	14295.05	13451.82
2016	30768.20	27136.42
2017	7531.87	5282.60

Purpose

The chart shows the progression of Current Planned Units and Baseline Planned Units. Year is represented on the x-axis, and amount is represented on the y-axis.

The table shows Current Planned Units and Baseline Planned Units comparisons sorted by year.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.
3) On the **Resource Analysis** dashboard, click the **Cost Summary** page.
4) On the **Cost Summary** page, expand the **Current vs. Baseline Units** section.

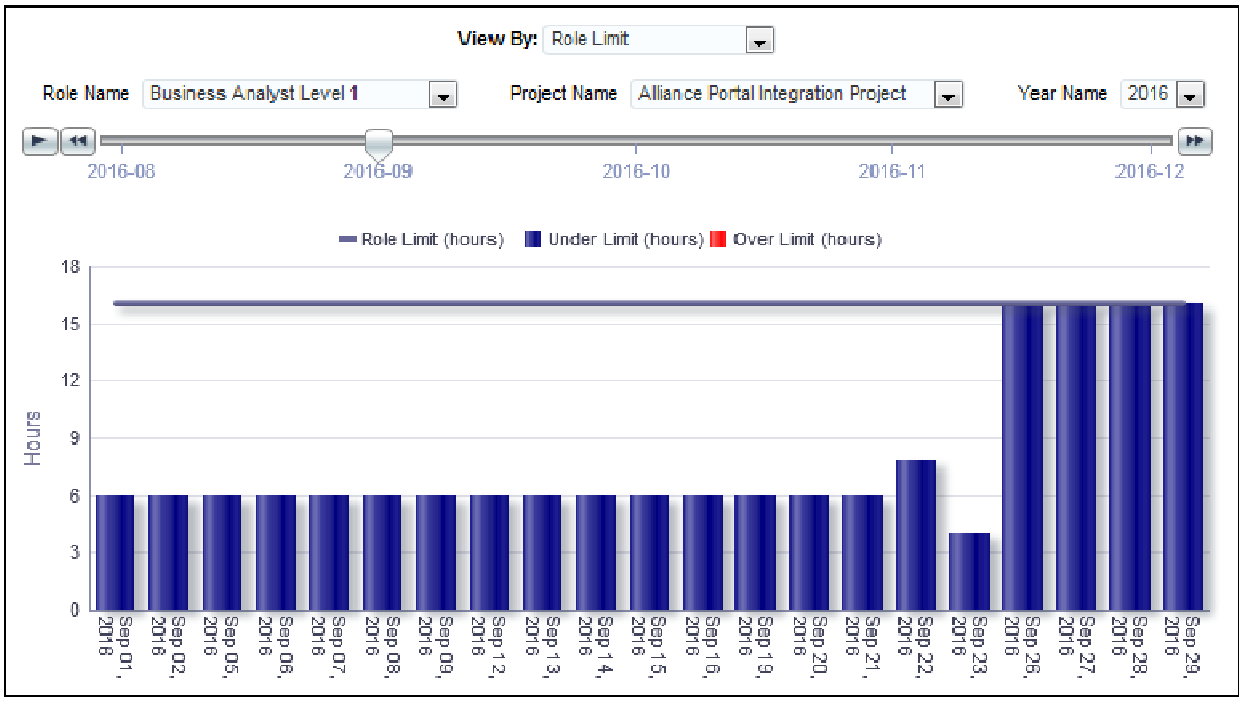
Subject Area

Resource Cost Summary

Role Utilization

This page shows role utilization details for resources.

Role Over Limit



Purpose

The bar chart shows role limit and primary resource limit details by day for the selected role and project. The x-axis shows the days of the selected month. The y-axis shows hours.

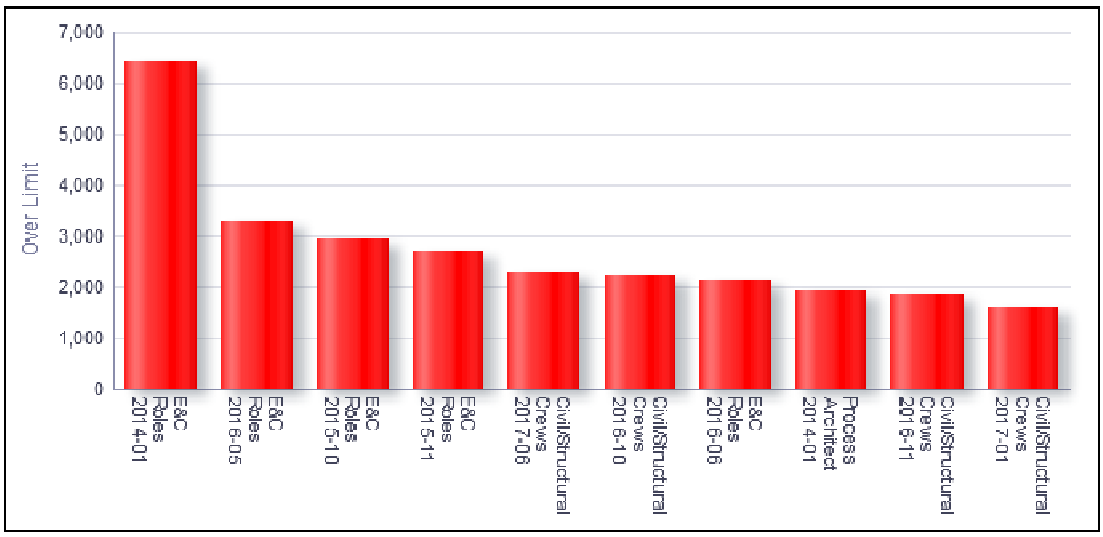
Location

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

Subject Area

Role Utilization

Top 10 Roles Over Limit



Purpose

The bar chart shows the top ten roles over limit. The x-axis shows roles. The y-axis shows units.

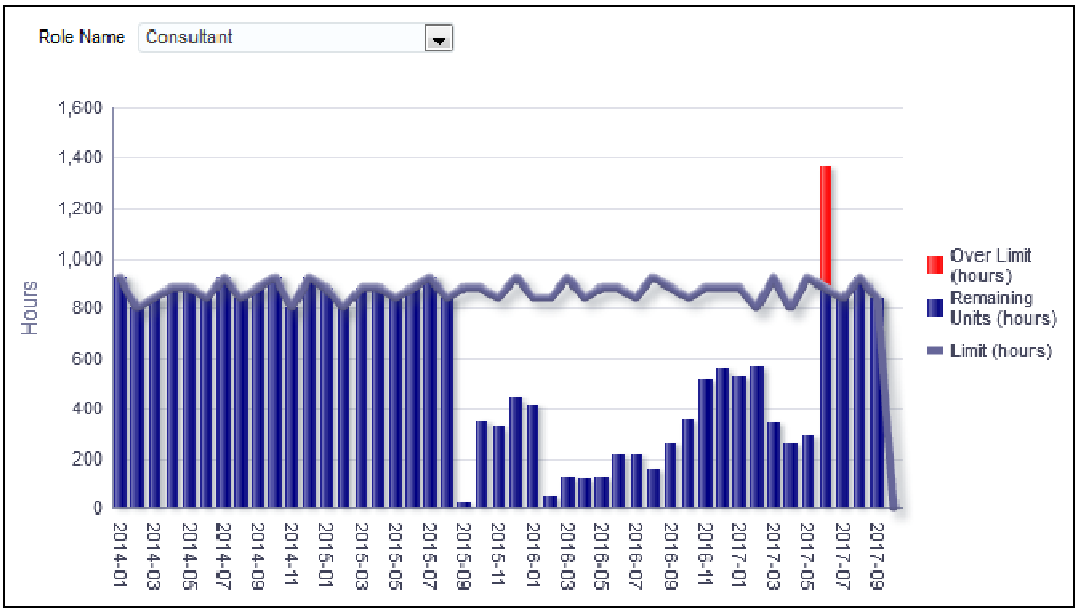
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.
3) On the **Resource Analysis** dashboard, click the **Role Utilization** page.
4) On the **Role Utilization** page, expand the **Top 10 Roles Over Limit** section.

Subject Area

Role Utilization

Role Utilization Over Time



Purpose

The bar chart shows role utilization by month for the selected role. The x-axis shows the month. The y-axis shows hours.

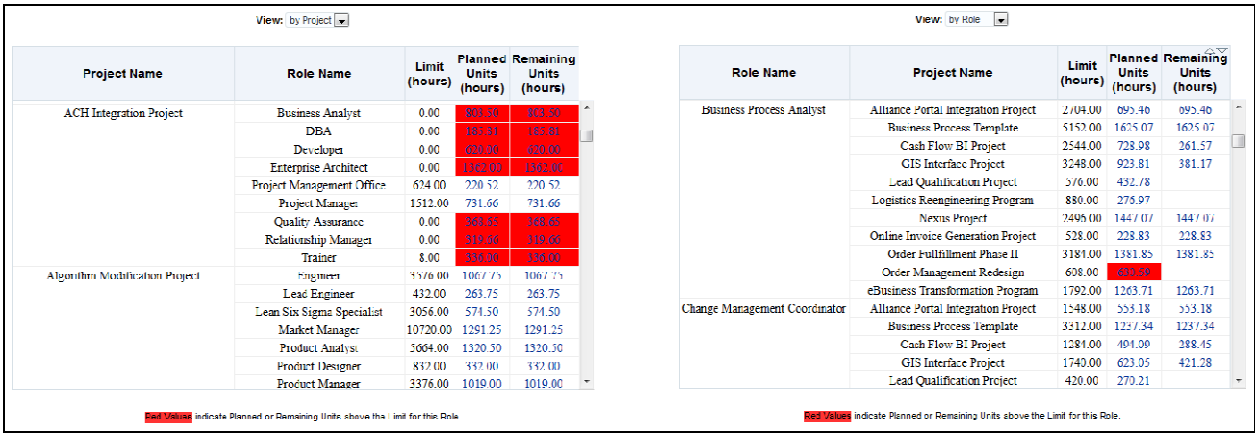
Location

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

Subject Area

Role Utilization

Role Limit by Project



Purpose

The pivot table shows role limit details by project and by role. It contains columns for:

- Project Name
- Role Name
- Limit (hours)
- Planned Units (hours)
- Remaining Units (hours)

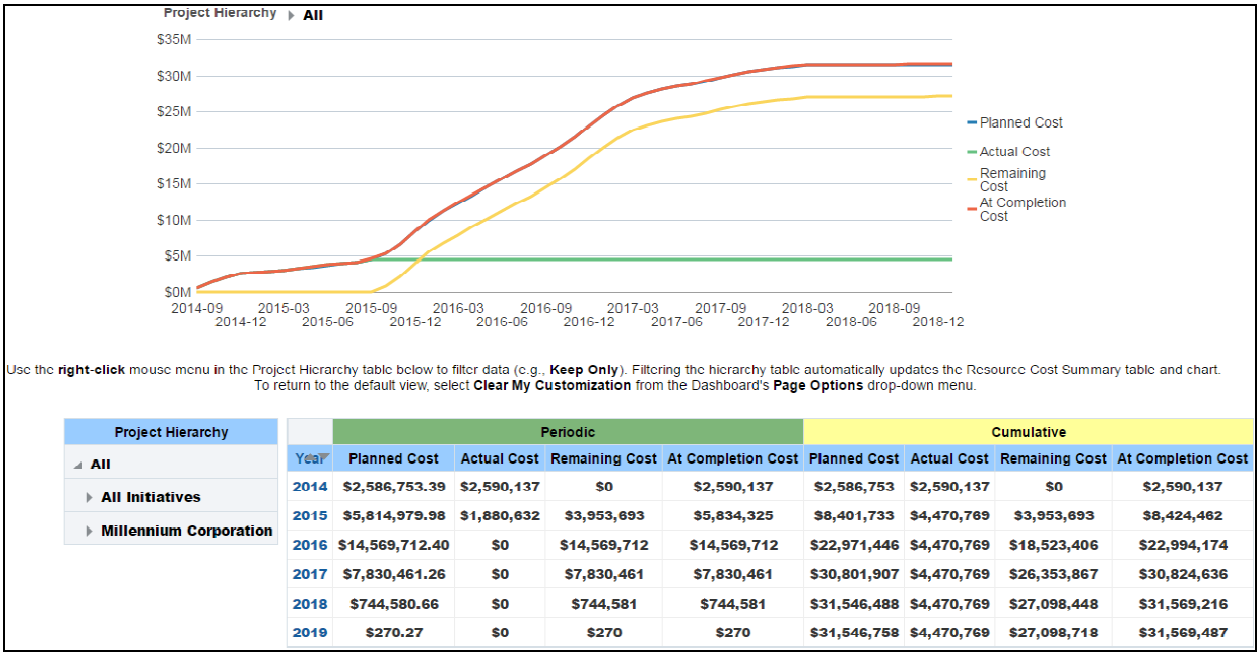
Location

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

Subject Area

Role Utilization

Role Under Limit



Use the **right-click** mouse menu in the Project Hierarchy table below to filter data (e.g., **Keep Only**). Filtering the hierarchy table automatically updates the Resource Cost Summary table and chart. To return to the default view, select **Clear My Customization** from the Dashboard's **Page Options** drop-down menu.

Project Hierarchy
All
All Initiatives
Millennium Corporation

	Periodic				Cumulative			
Year	Planned Cost	Actual Cost	Remaining Cost	At Completion Cost	Planned Cost	Actual Cost	Remaining Cost	At Completion Cost
2014	$2,586,753.39	$2,590,137	$0	$2,590,137	$2,586,753	$2,590,137	$0	$2,590,137
2015	$5,814,979.98	$1,880,632	$3,953,693	$5,834,325	$8,401,733	$4,470,769	$3,953,693	$8,424,462
2016	$14,569,712.40	$0	$14,569,712	$14,569,712	$22,971,446	$4,470,769	$18,523,406	$22,994,174
2017	$7,830,461.26	$0	$7,830,461	$7,830,461	$30,801,907	$4,470,769	$26,353,867	$30,824,636
2018	$744,580.66	$0	$744,581	$744,581	$31,546,488	$4,470,769	$27,098,448	$31,569,216
2019	$270.27	$0	$270	$270	$31,546,758	$4,470,769	$27,098,718	$31,569,487

Purpose

The table shows role limit detail for roles under limit for the selected week. It contains columns for:

- Role ID
- Role Name
- Limit (hours)
- Planned Units (hours)
- Under Limit (hours)

Location

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

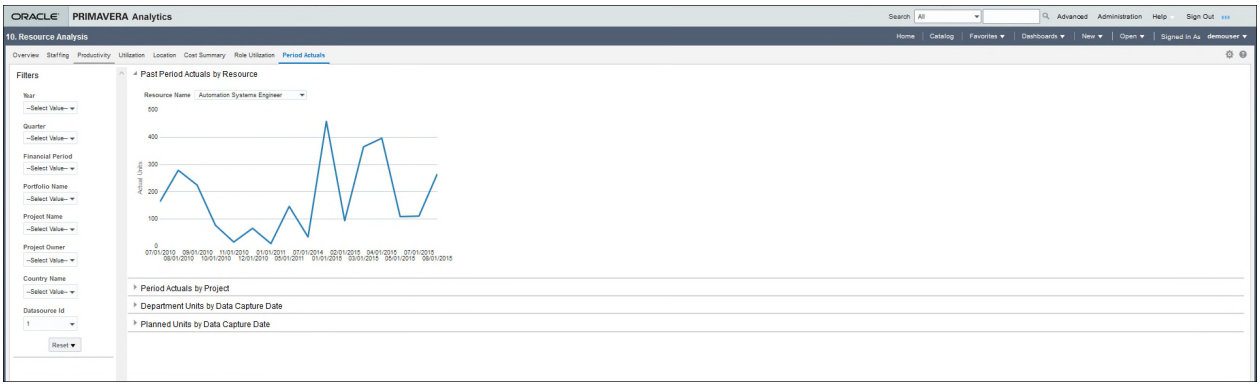
Subject Area

Role Utilization

Period Actuals

This page shows past period actuals for each resource and each project. It also displays the planned and actual units for each department and by data capture date, and planned units by data capture date.

Past Period Actuals by Resource



Purpose

The line graph shows the actual units in past periods for each resource. The x-axis displays the past period data capture dates. The y-axis displays the actual units of the resource.

From the **Resource Name** list, select a resource to review their corresponding past period actuals chart.

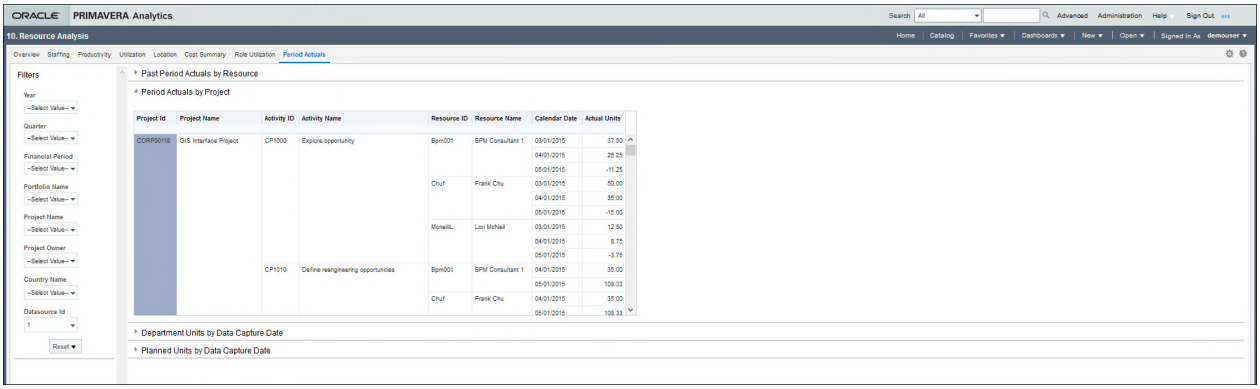
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.
3) On the **Resource Analysis** dashboard, click the **Period Actuals** page.
4) Expand the **Past Period Actuals by Resource** section.

Subject Area

Resource Period Actuals

Period Actuals by Project



Purpose

The Period Actuals by Project section displays the actuals units for each activity performed by a resource in a project. The table provides a snapshot of the resource's history over past periods.

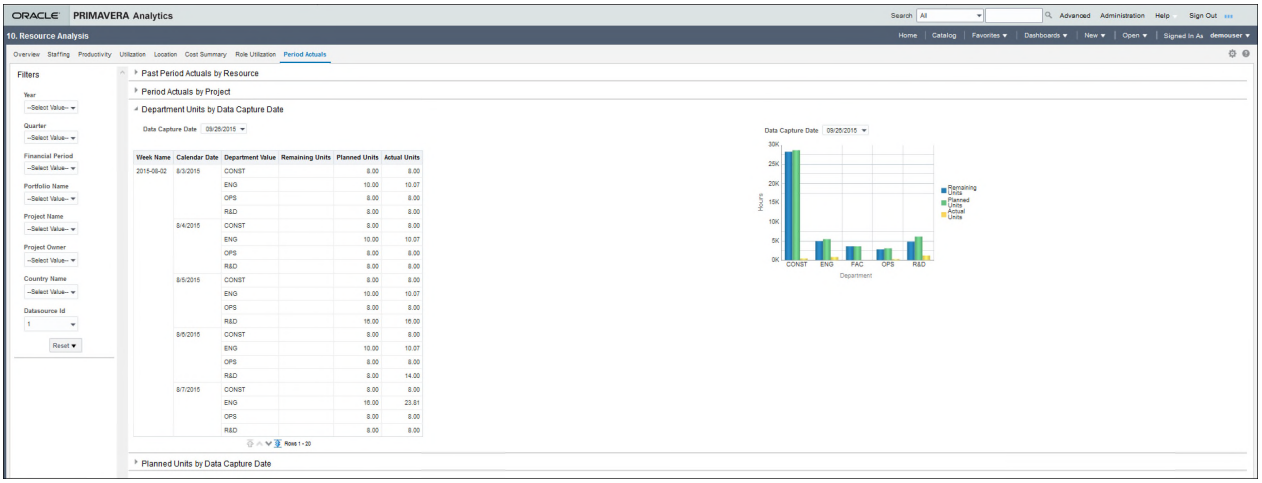
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.
3) On the **Resource Analysis** dashboard, click the **Period Actuals** page.
4) Expand the **Period Actuals by Project** section.

Subject Area

Resource Period Actuals

Department Units by Data Capture Date



Purpose

The Department Units by Data Capture Date section displays the planned units and the actual units of each department based on a data capture date. A data capture date is a snapshot of the data at a specific point in time.

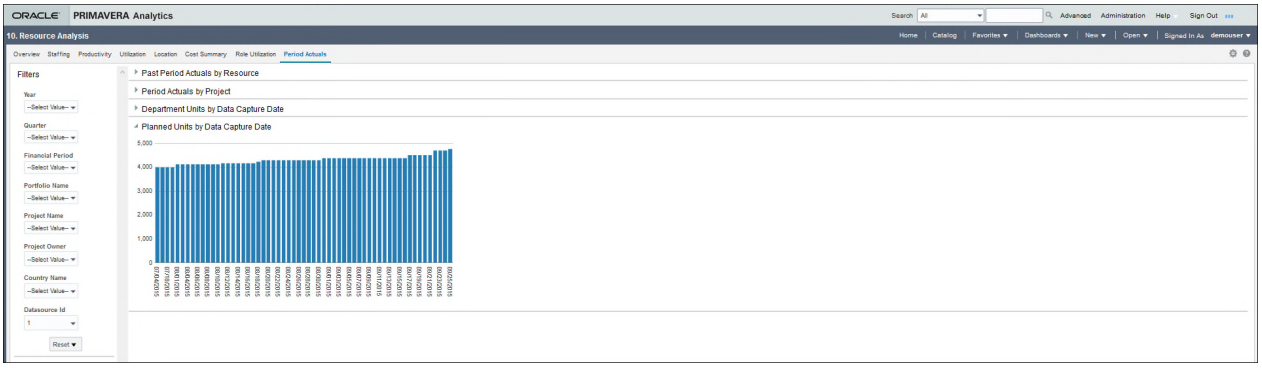
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.
3) On the **Resource Analysis** dashboard, click the **Period Actuals** page.
4) Expand the **Department Units by Data Capture Date** section.

Subject Area

Resource Period Actuals

Planned Units by Data Capture Date



Purpose

The Planned Units by Data Capture Date section displays a bar chart for the planned units for data capture dates over a period of time. A data capture date is a snapshot of the data at a specific point in time. The x-axis displays the data capture dates. The y-axis displays the planned units.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Resource Analysis**.
3) On the **Resource Analysis** dashboard, click the **Period Actuals** page.
4) Expand the **Planned Units by Data Capture Date** section.

Subject Area

Resource Period Actuals

Industry Samples Dashboard

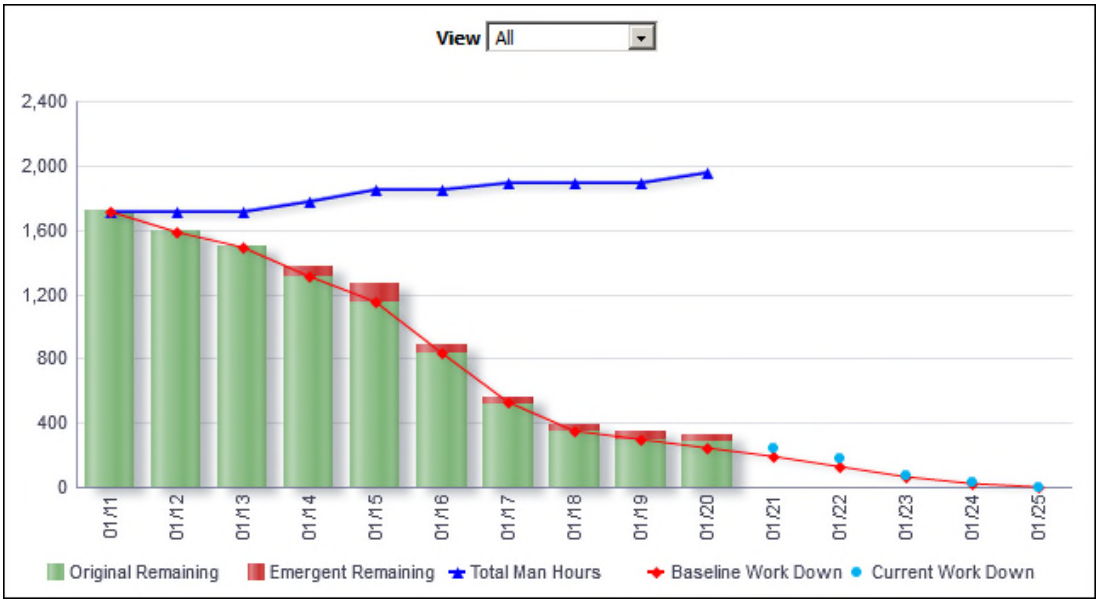
The Industry Samples dashboard uses data from P6 EPPM.

It 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

The line-bar chart 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 chart by resource. The chart will update as the slider is moved.

The line-bar chart 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.

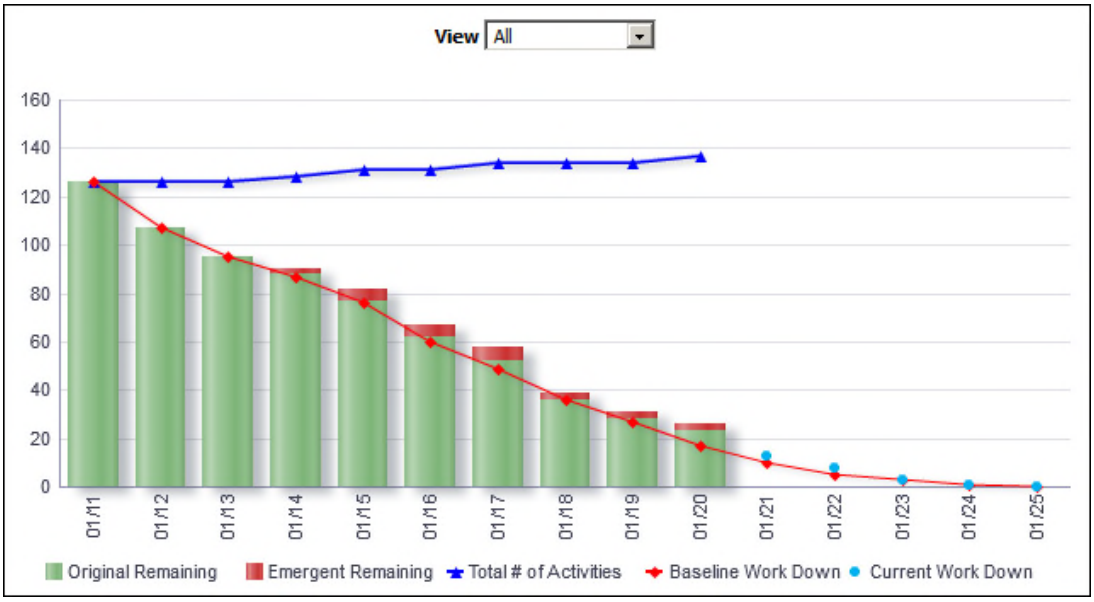
Location

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 Area

Burn Down

Burn Down Counts Section



Purpose

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

Burn Down

Daily Performance Section

		Yesterday's Data						Today's Data	Outage To Date Data				
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
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

The 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.

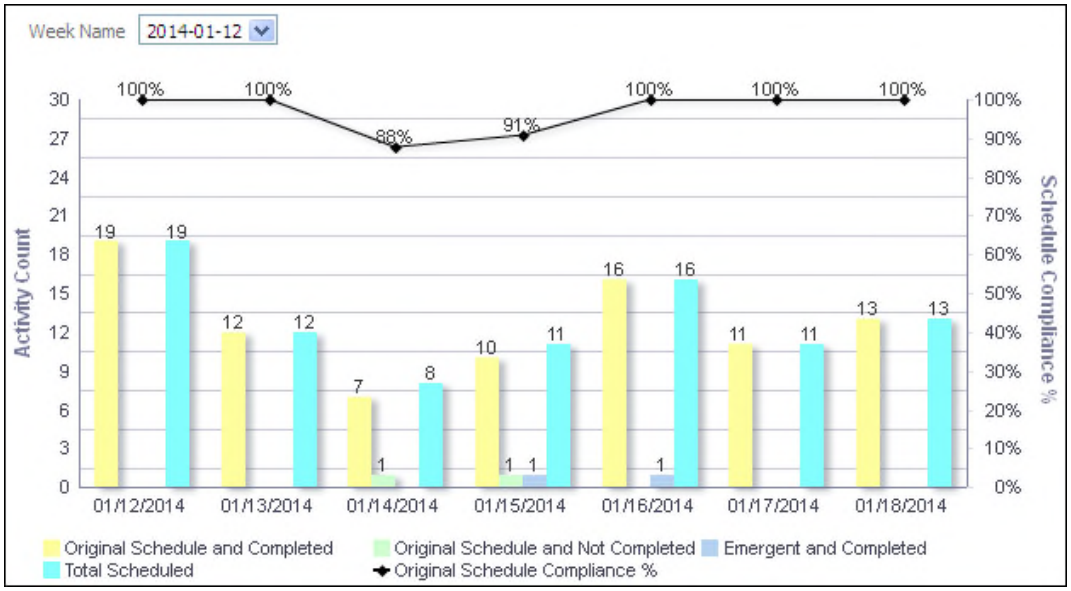
Location

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 Area

Burn Down

Schedule Compliance Section



Purpose

The line-bar chart 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 chart by week using the Week Name list. Click on a bar or point to show the data in a table.

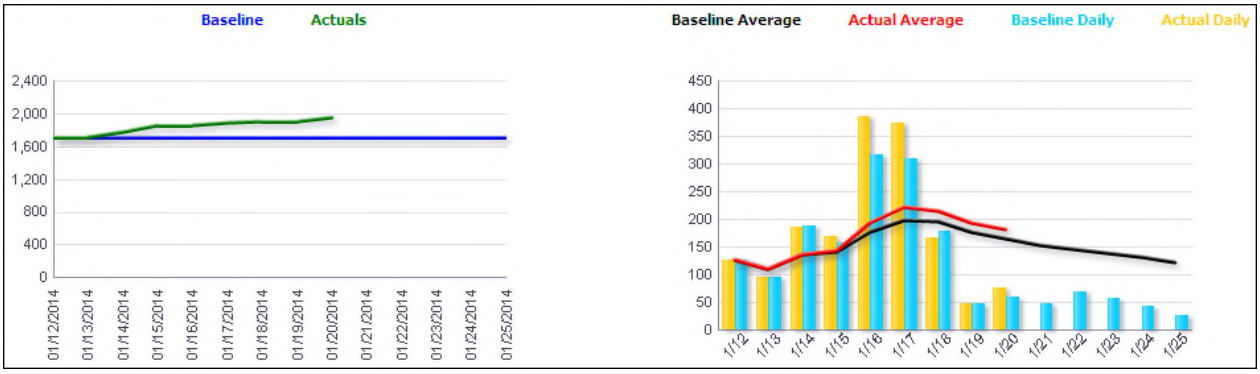
Location

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 Area

Burn Down

Average vs. Baseline (Hours) Section



Purpose

The analysis shows a Baseline, Actuals line chart and a Baseline Average, Actual Average, Baseline Daily, Actual Daily line-bar chart.

The **Baseline, Actuals** line chart 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 chart 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.

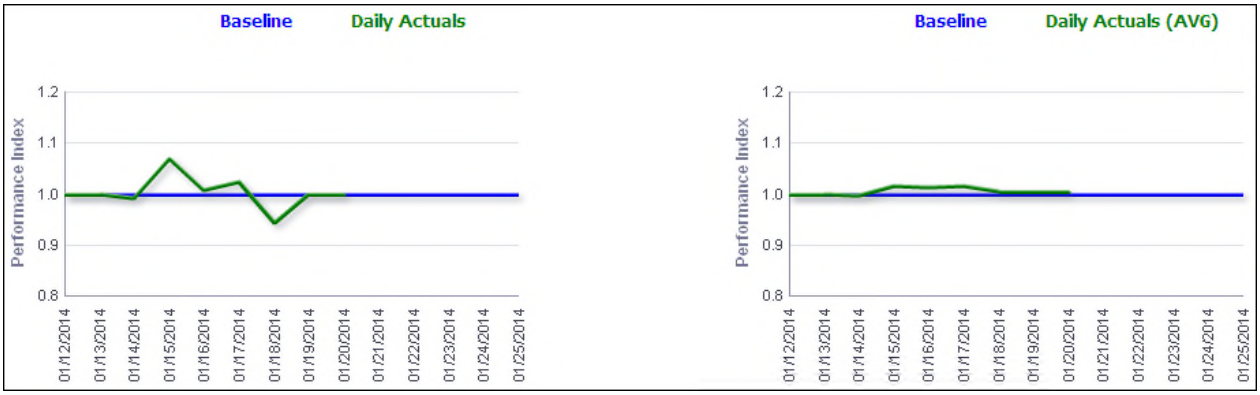
Location

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 Area

Burn Down

Daily Performance Index (Hours) Section



Purpose

The analysis shows Baseline, Daily Actuals and Baseline, Daily Actuals (AVG) line charts.

The **Baseline, Daily Actuals** line chart 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 chart 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 Area

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

The 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

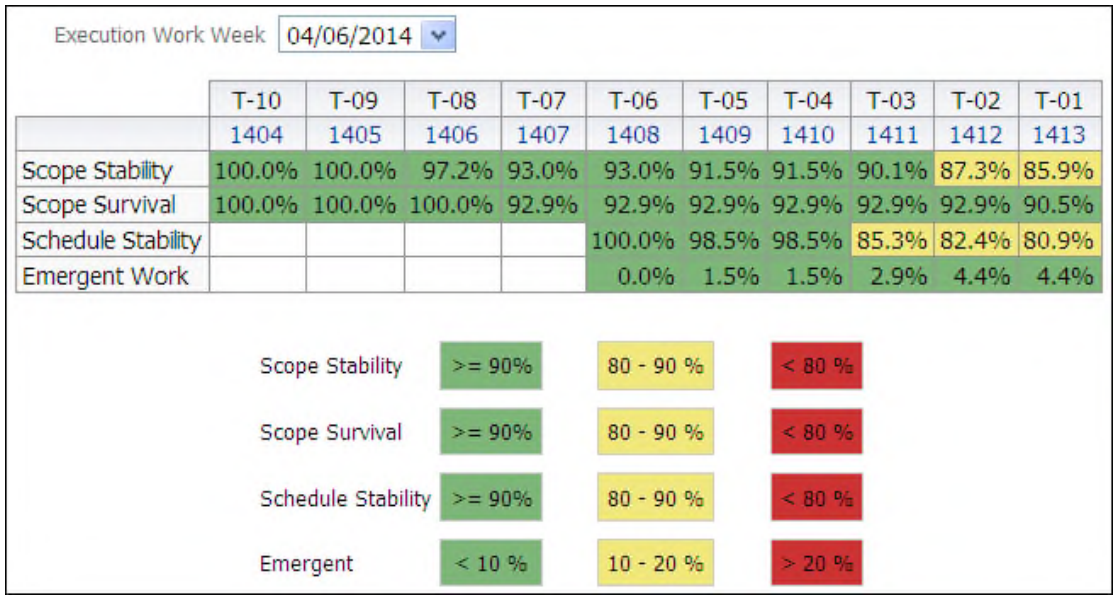
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Industry Standards**.

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 Area

Work Planning

Work Planning T+1 Critique Section



Purpose

The pivot table shows a historical perspective of a particular execution work week, shown in the table as T-00. The 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 Area

Work Planning

On-Line Daily Schedule Adherence - Graded Section

		04/07/2014			04/08/2014			04/09/2014			04/10/2014			04/11/2014					
Team	Grade	Scheduled	Completed	%	Scheduled	Completed	%	Scheduled	Completed	%	Scheduled	Completed	%	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

The pivot table shows schedule adherence, broken down by team. The table contains 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

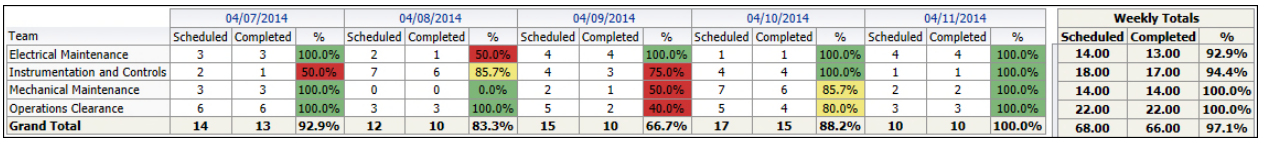
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Industry Standards**.
3) On the **Industry Standards** dashboard, click the **Routine/On-Line Maintenance** page.

4) On the **Routine/On-Line Maintenance** page, expand the **On-Line Daily Schedule Adherence - Graded** section.

Subject Area

Burn Down

On-Line Daily Schedule Adherence - Standard Section



	04/07/2014			04/08/2014			04/09/2014			04/10/2014			04/11/2014			Weekly Totals		
Team	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

The pivot table shows schedule adherence, broken down by team. The table contains 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.

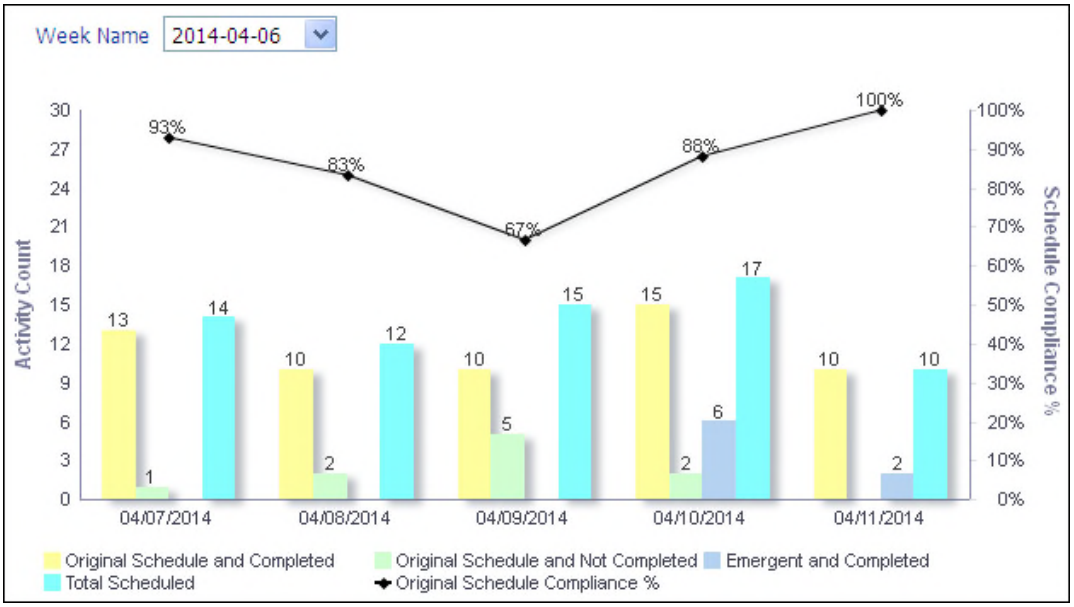
Location

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 Area

Burn Down

Schedule Compliance Section



Purpose

The bar-line chart 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 chart 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 Area

Burn Down

Admin Dashboard

The Admin dashboard uses data from P6 EPPM and Unifier.

It offers a view into the administration of your data source. On this dashboard, you can see information about the ETL (Extract Transform and Load) process and see a list of projects in the data source.

Admin Page

This page shows information about the ETL process for the data source and a list of projects.

ETL Summary by Datasource Section

		Last Run			History			
Datasource Id	Process Id	ETL Start	ETL Finish	ETL Run Time	Total Runs	Avg ETL Run Time	Min ETL Run Time	Max ETL Run Time
2	20150724083923	9/26/2015 6:15:23 PM	9/26/2015 6:32:36 PM	00:17:13	10	00:08:54	00:07:12	00:17:13
1	20150723120516	9/26/2015 9:12:28 PM	9/26/2015 9:31:49 PM	00:19:21	1	00:14:24	00:14:24	00:14:24
3	20151203153807	9/26/2015 10:50:07 PM	9/26/2015 11:04:31 PM	00:14:24	88	00:15:56	00:07:14	00:22:42

Purpose

The table shows information on the last ETL run and ETL history for each data source. The table contains columns for:

- Data source Id
- Process Id
- ETL Start
- ETL Finish
- ETL Run Time
- Total Runs
- Avg ETL Run Time
- Min ETL Run Time
- Max ETL Run Time

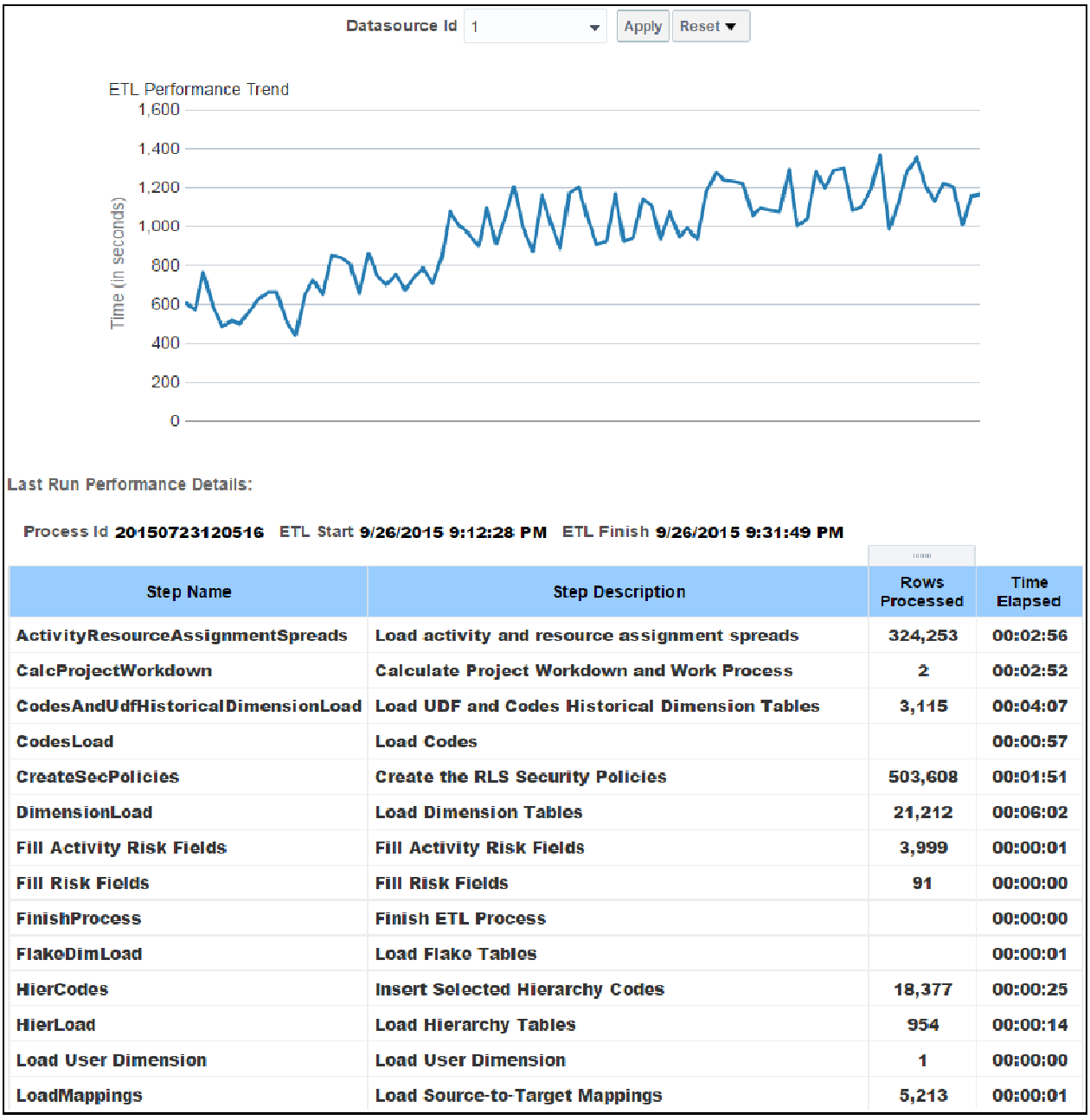
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Admin**.
3) On the **Admin** dashboard, click the **Admin** page.
4) On the **Admin** page, expand the **ETL Summary** section.

Subject Area

Admin

ETL Performance Section



Last Run Performance Details:

Process Id **20150723120516** ETL Start **9/26/2015 9:12:28 PM** ETL Finish **9/26/2015 9:31:49 PM**

Step Name	Step Description	Rows Processed	Time Elapsed
ActivityResourceAssignmentSpreads	Load activity and resource assignment spreads	324,253	00:02:56
CalcProjectWorkdown	Calculate Project Workdown and Work Process	2	00:02:52
CodesAndUdfHistoricalDimensionLoad	Load UDF and Codes Historical Dimension Tables	3,115	00:04:07
CodesLoad	Load Codes		00:00:57
CreateSecPolicies	Create the RLS Security Policies	503,608	00:01:51
DimensionLoad	Load Dimension Tables	21,212	00:06:02
Fill Activity Risk Fields	Fill Activity Risk Fields	3,999	00:00:01
Fill Risk Fields	Fill Risk Fields	91	00:00:00
FinishProcess	Finish ETL Process		00:00:00
FlakeDimLoad	Load Flake Tables		00:00:01
HierCodes	Insert Selected Hierarchy Codes	18,377	00:00:25
HierLoad	Load Hierarchy Tables	954	00:00:14
Load User Dimension	Load User Dimension	1	00:00:00
LoadMappings	Load Source-to-Target Mappings	5,213	00:00:01

Purpose

The line chart shows the trend of ETL run times for the data source selected in the Datasource Id list.

The table shows details for each step of the last ETL run. The Process Id and ETL Start and Finish times are shown above the table. The table contains columns for:

- Step Name

- Step Description
- Rows Processed
- Time Elapsed

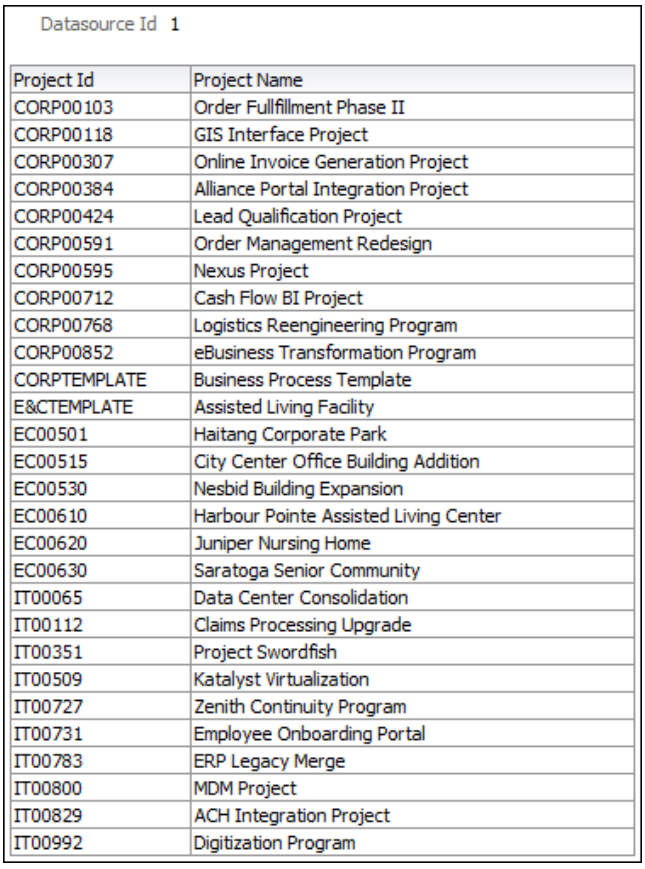
Location

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

Subject Area

Admin

Project List Section



Datasource Id 1

Project Id	Project Name
CORP00103	Order Fullfillment Phase II
CORP00118	GIS Interface Project
CORP00307	Online Invoice Generation Project
CORP00384	Alliance Portal Integration Project
CORP00424	Lead Qualification Project
CORP00591	Order Management Redesign
CORP00595	Nexus Project
CORP00712	Cash Flow BI Project
CORP00768	Logistics Reengineering Program
CORP00852	eBusiness Transformation Program
CORPTEMPLATE	Business Process Template
E&CTEMPLATE	Assisted Living Facility
EC00501	Haitang Corporate Park
EC00515	City Center Office Building Addition
EC00530	Nesbid Building Expansion
EC00610	Harbour Pointe Assisted Living Center
EC00620	Juniper Nursing Home
EC00630	Saratoga Senior Community
IT00065	Data Center Consolidation
IT00112	Claims Processing Upgrade
IT00351	Project Swordfish
IT00509	Katalyst Virtualization
IT00727	Zenith Continuity Program
IT00731	Employee Onboarding Portal
IT00783	ERP Legacy Merge
IT00800	MDM Project
IT00829	ACH Integration Project
IT00992	Digitization Program

Purpose

The table shows a list of the projects for the data source selected in the ETL Performance section Datasource Id list. The table contains columns for:

- Project Id

- Project Name

Location

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

Subject Area

Admin

ETL Parameters Section

Feature	Setting
db.star.partitioned	true
db.star.partitions.by.list	3
db.star.range.partition.months	2
db.star.version	3.3
etl.source.version	83
general.thread.count	5
index.thread.count	5
star.utilization.include.inactive.rsrc	false
sys.daterange.full.begin	01/01/2011
sys.daterange.full.end	04/25/2019
sys.fy.start.day	1
sys.fy.start.month	1
sys.log.level	INFO

Purpose

The table shows information on the ETL parameter configuration for the Primavera Data Warehouse database.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Admin**.
3) On the **Admin** dashboard, click the **Admin** page.
4) On the **Admin** page, expand the **ETL Parameters** section.

Subject Area

Admin

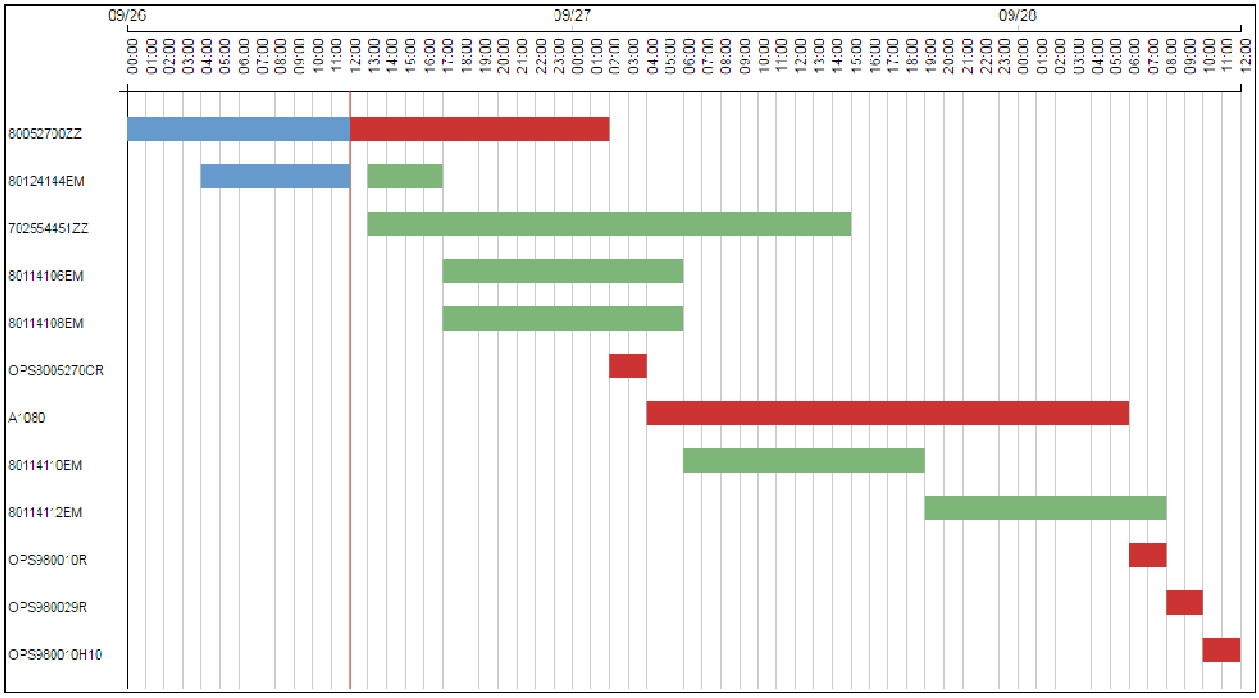
More Dashboard

The analyses on these dashboards contain components and technologies, such as R, d3, and so on, that are considered optional within OAS (Oracle Analytics Server). If an analysis does not appear, there is a missing or incorrect installation of an optional component. Please consult the *Primavera Data Warehouse Installation and Configuration Guide* for information on how to install and configure these optional components.

d3 Dashboard

The analyses on the d3 (Data-Driven Documents) dashboard contains components and technologies that are considered optional within OAS (Oracle Analytics Server). Use this advanced dashboard to manipulate data into visual representations of your analyses. For more information, consult the *Primavera Data Warehouse Installation and Configuration Guide* for instruction on how to install and configure these optional components.

Gantt Chart - Critical Path Lookahead Section



Purpose

Use the Gantt chart to display and help determine the minimum amount of time needed for the completion of a project's activities. The x-axis shows the month, day, and time. The y-axis shows the specific operation within a project.

Location

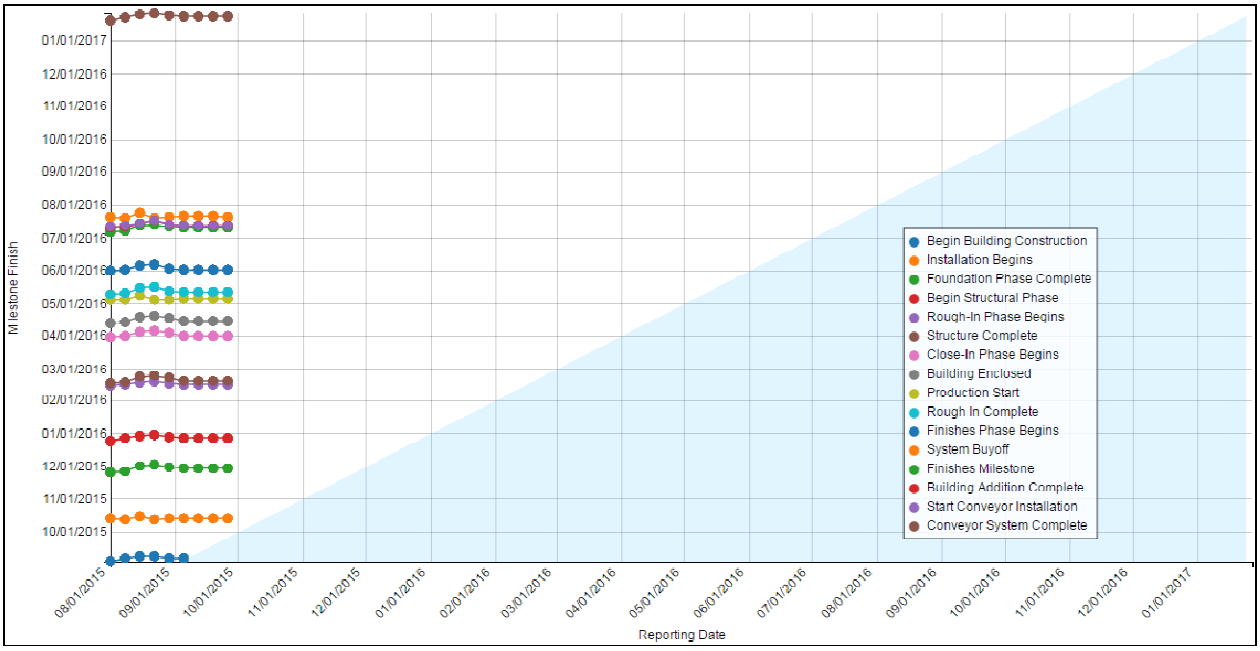
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **More**.

3) On the **More** dashboard, click the **d3** page.
4) On the **d3** page, expand the **Gantt Chart - Critical Path Lookahead** section.

Subject Area

Activity

Milestone Trend Analysis Section



Purpose

Use the trend analysis graph to help forecast milestone finish dates based on past data and analyses. The x-axis shows the reporting date. The y-axis shows the milestone finish date.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **More**.
3) On the **More** dashboard, click the **d3** page.
4) On the **d3** page, expand the **Milestone Trend Analysis** section.

Subject Area

Activity

Aster Chart - Costs by Country Section

Purpose

Use the aster chart to display costs by country. Mouse over each section to view the cost details of each featured country.

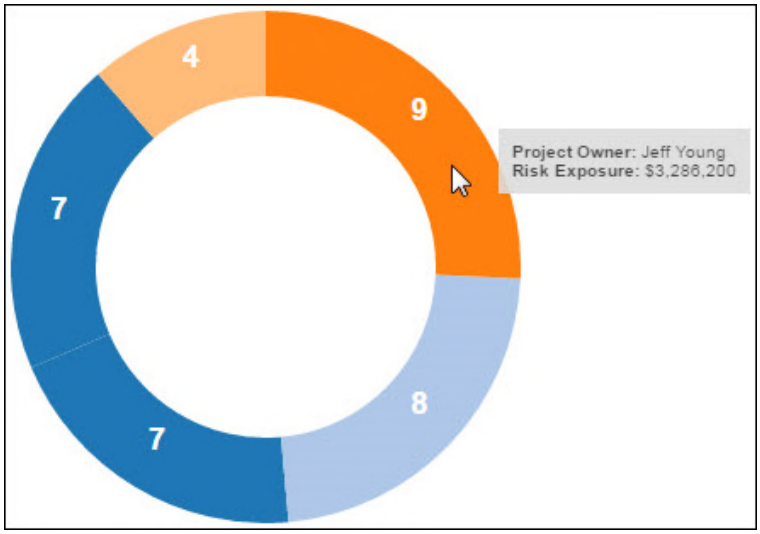
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **More**.
3) On the **More** dashboard, click the **d3** page.
4) On the **d3** page, expand the **Aster Chart - Costs by Country** section.

Subject Area

Activity

Donut Chart - Risks by Project Owner Section



Purpose

Use the donut chart to display risks broken down by project owner. Mouse over each section to view details about the risk's project owner and risk exposure.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **More**.
3) On the **More** dashboard, click the **d3** page.
4) On the **d3** page, expand the **Donut Chart - Risks by Project Owner** section.

Subject Area

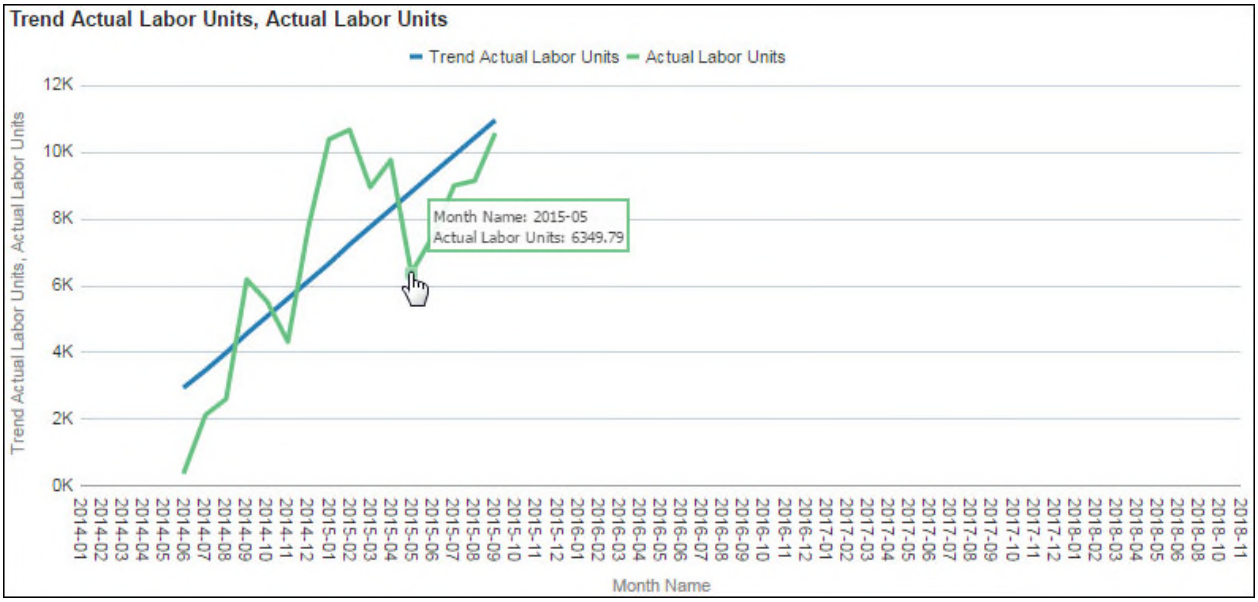
Activity

Advanced Analytics Dashboard

The analyses on the Advanced Analytics dashboard contains components and technologies that are considered optional within OAS (Oracle Analytics Server). Use this advanced dashboard to manipulate data into visual representations of your analyses. For more information, consult the Primavera Data Warehouse Installation and Configuration Guide for instruction on how to install and configure these optional components.

Advanced Analytics Page

Trendline Section



Purpose

Use the line graph to display trendline details. The x-axis shows the month name. The blue y-axis shows trend actual labor units, and the green y-axis shows actual labor units. Click a point on either line to drill-down for more information about a particular month.

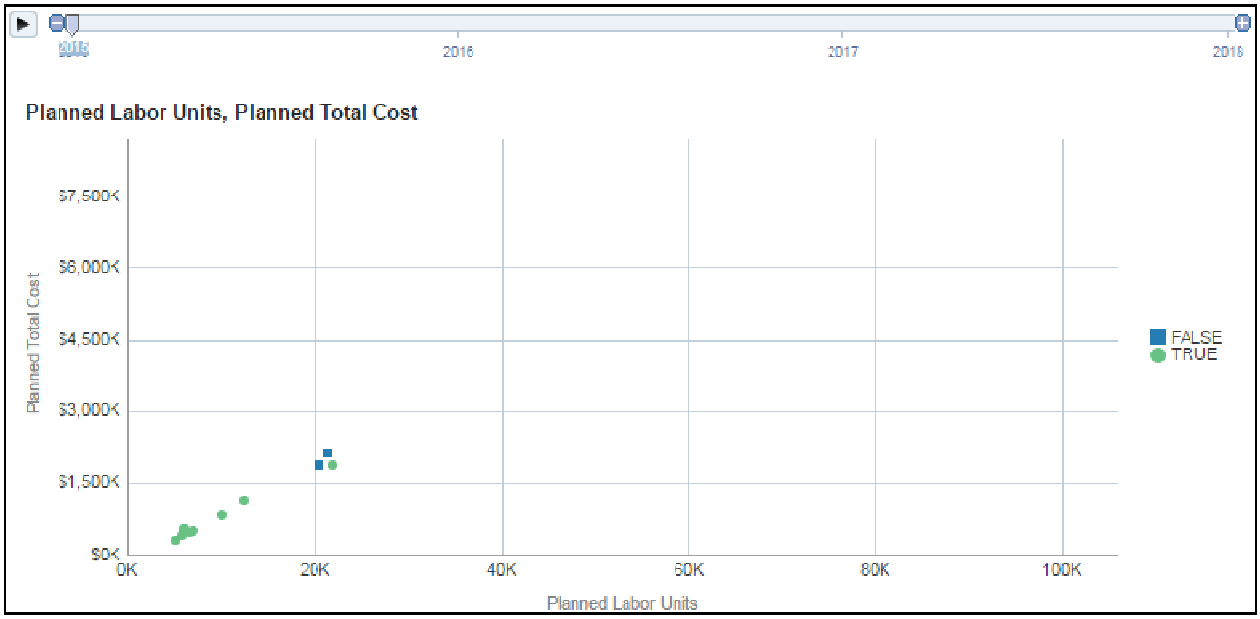
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **More**.
3) On the **More** dashboard, click the **Advanced Analytics** page.
4) On the **Advanced Analytics** page, expand the **Trendline** section.

Subject Area

Activity

Outlier Section



Purpose

Use the outlier scatter plot to identify and display outliers or exceptions within your data; the chart displays this as TRUE (is an outlier) or FALSE (is not an outlier) depending on whether the recorded data is determined to be an outlier . Click on any point in the plot to drill-down for more information.

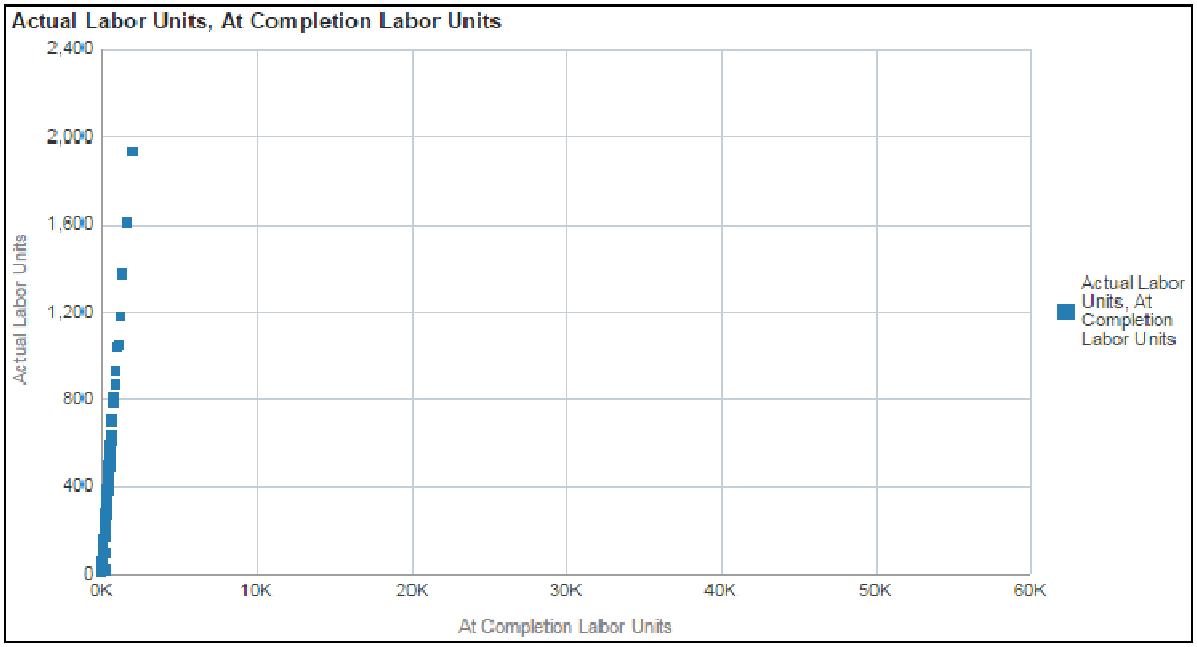
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **More**.
3) On the **More** dashboard, click the **Advanced Analytics** page.
4) On the **Advanced Analytics** page, expand the **Outlier** section.

Subject Area

Activity

Cluster Section



Purpose

Use the cluster analysis to help identify and display data objects that, in the same group (or cluster), are similar to each other, but differ from other data objects in other groups . Click on any point on the plot to drill-down for more information.

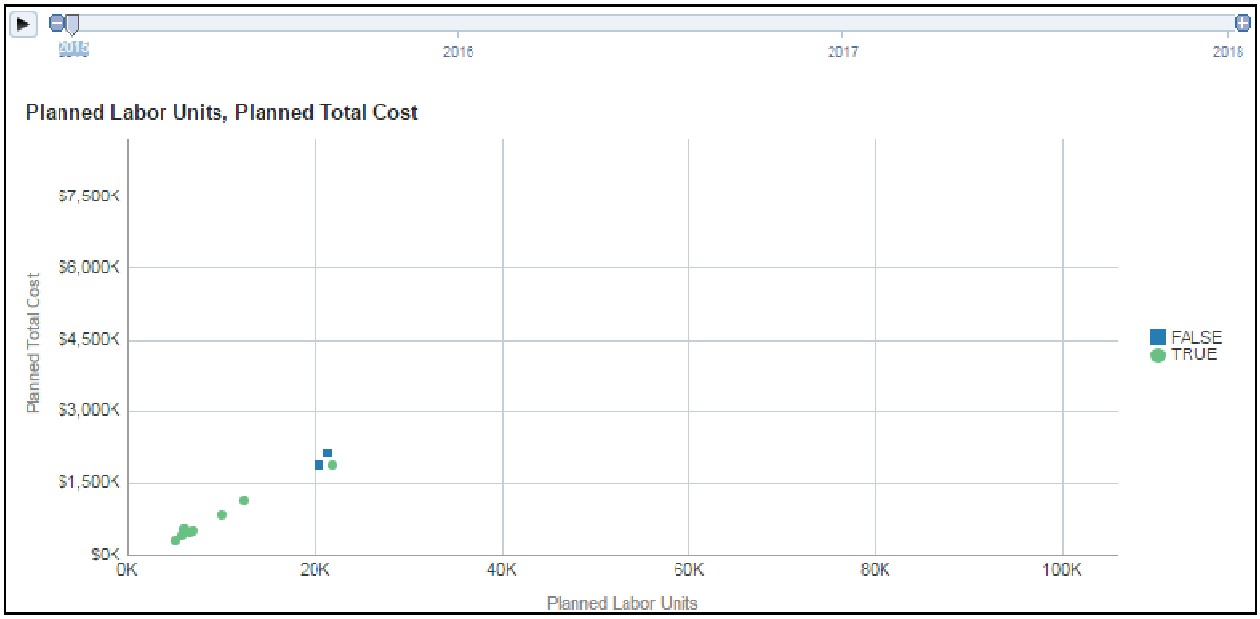
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **More**.
3) On the **More** dashboard, click the **Advanced Analytics** page.
4) On the **Advanced Analytics** page, expand the **Cluster** section.

Subject Area

Activity

Regression Section



Purpose

Use the regression analysis to determine and display correlations and relationships within your data, and to forecast predictions based on existing data. Click on any point on the plot to drill-down for more information.

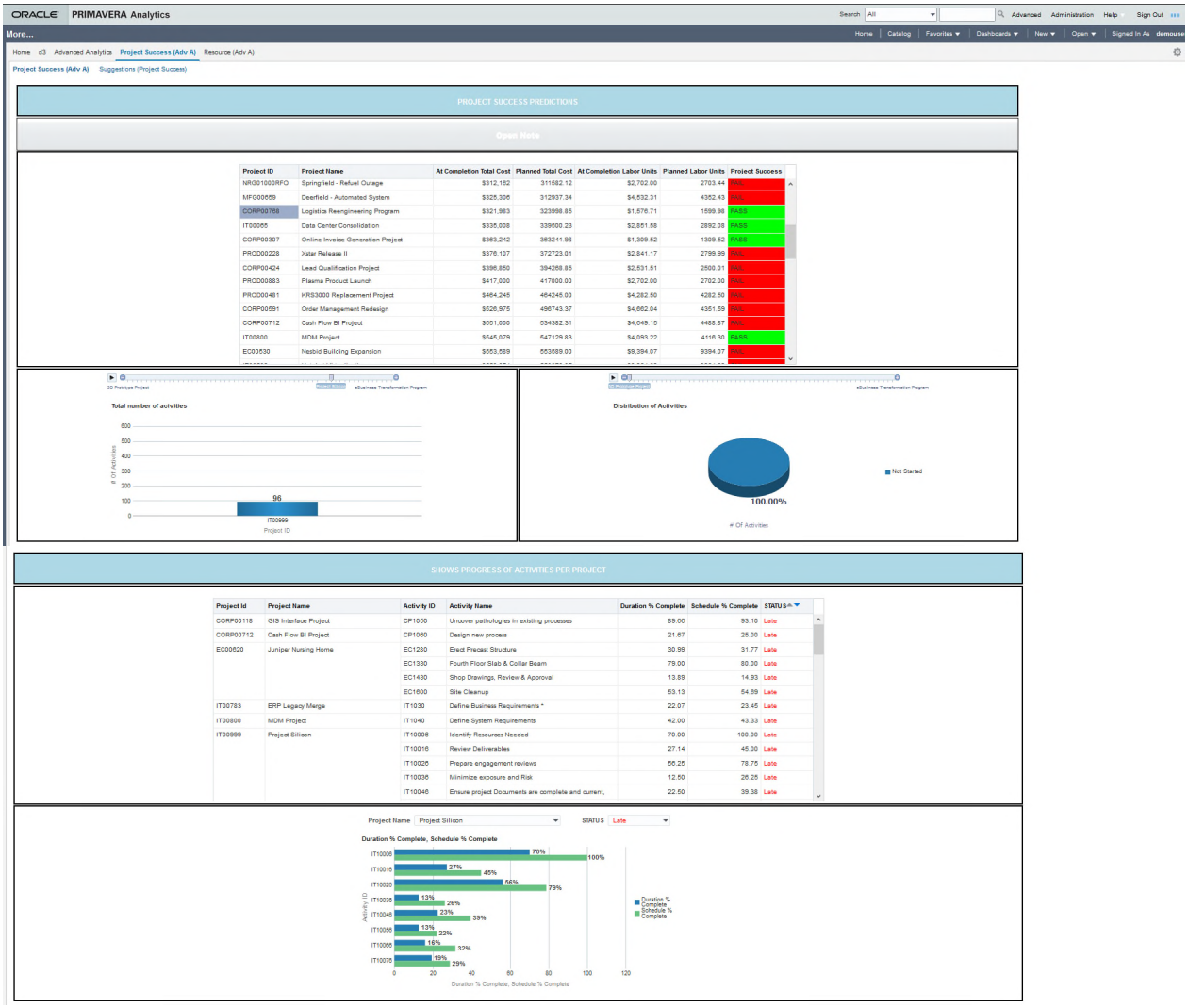
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **More**.
3) On the **More** dashboard, click the **Advanced Analytics** page.
4) On the **Advanced Analytics** page, expand the **Regression** section.

Subject Area

Activity

Project Success (Adv. A) Page



Purpose

Use the Project Success analysis to predict the success or failure of new projects based on the characteristics of successful or failed projects using the assigned values for all completed projects. Click on a project name to see activities graph and the distribution of activities pie chart for the selected project.

In the **Show Progress of Activities per Project** section, view a list of activities with the Duration % complete and Schedule % complete, and their current status.

1) From the Project Name field, select a project.
2) From the Status field, select a project status.

   A bar chart for all the activities in a selected project is displayed. The x-axis displays the Duration % Complete and Schedule % Complete. The y-axis displays the Activity IDs associated with the selected project.

Successful Projects: A project is deemed successful if the following criteria are satisfied:

1) The Completion Cost, Completion Units, Planned Cost, and Planned Units are not null, and
   Completion Cost <= Planned Cost and
   Completion Units <= Planned Units
2) Completion Cost and Planned Cost are not null, and
   Completion Units and Planned Units are null and
   Completion Cost <= Planned Cost
3) Completion Units and Planned Units are not null, and
   Completion Cost and Planned Cost are null and
   Completion Units <= Planned Units

Unsuccessful Projects: A project is deemed unsuccessful if:

- The Completion Cost, Completion Units, Planned Cost, and Planned Units are all null.
- All other cases fail by default.

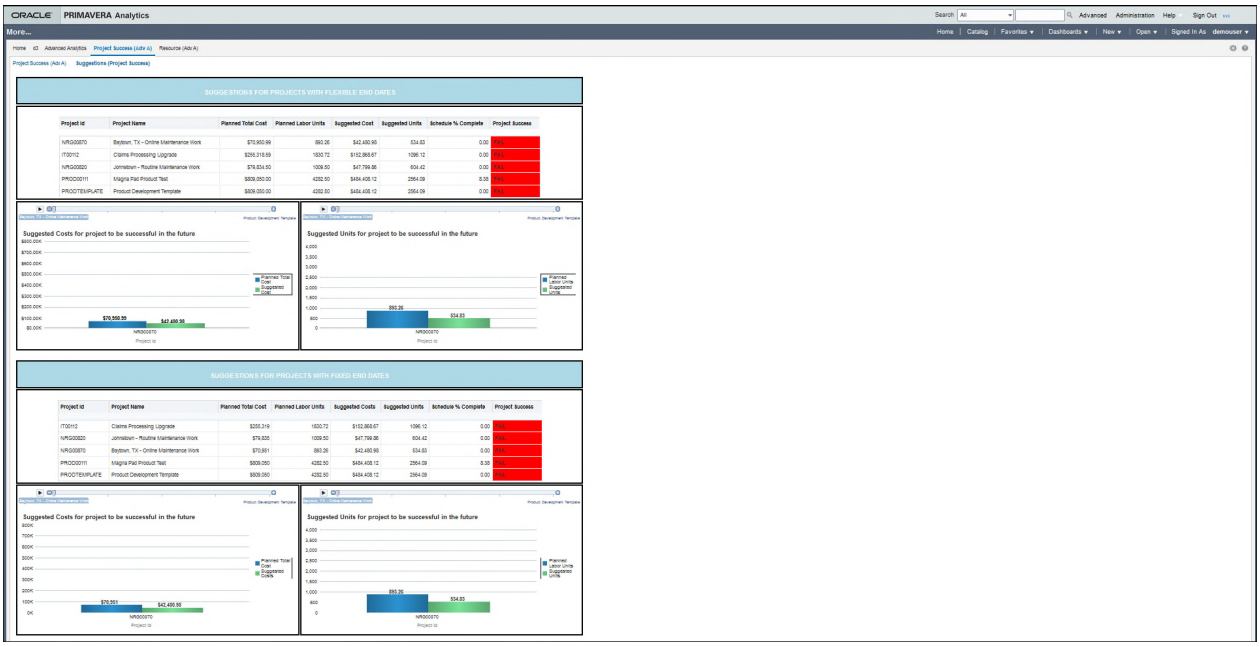
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **More...**.
3) On the **More** dashboard, click the **Project Success (Adv A)** page.

Subject Area

Activity

Suggestions (Project Success) Page



Purpose

Use the Suggestions (Project Success) page to analyze what changes need to be made to make failed projects successful. Bar graphs display the changes proposed to planned units and planned costs for each project ID to ensure a successful outcome in the future.

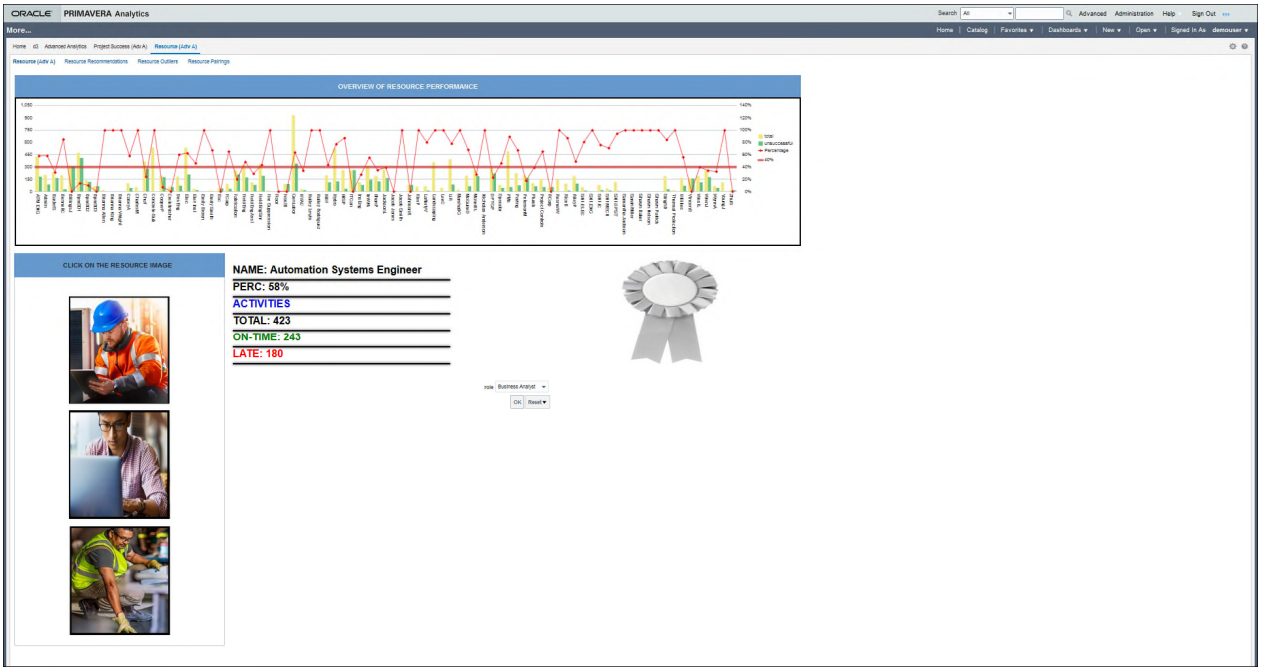
Location

1) On the **Home** page, click the **Dashboards** menu.
2) Under **Primavera**, click **More...**.
3) On the **More** dashboard, click the **Project Success (Adv. A)** page.
4) Click the **Suggestions (Project Success)** page.

Subject Area

Activity

Resources (Adv. A) Page



Purpose

Use the **Resource (Adv A)** page to get a snapshot of the resource's performance based on past projects in a specific role. Click on an image to view the success rate of the resource from past history.

The **Overview of Resource Performance** bar graph displays the number to failed activities and total activities associated with each role. The line graph displays the success rate of the activities as a percent value. The x-axis displays the roles. The y-axis displays the activities on the right, and the success percent values on the left.

To view the performance of multiple resources in a specific role, select a role from the **Role** list and then click **OK**.

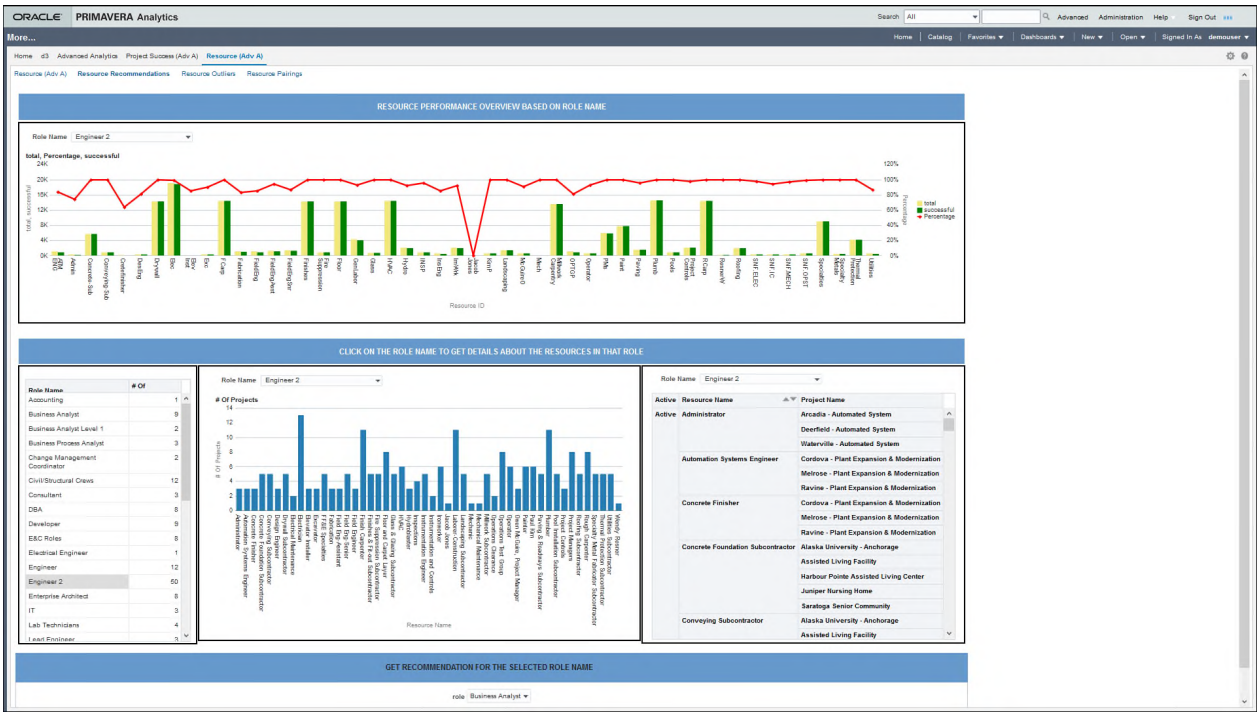
Location

1) On the **Home** page, click the **Dashboards** menu.
2) Under **Primavera**, click **More...**.
3) On the **More** dashboard, click the **Resource (Adv A)** page.

Subject Area

Resource

Resource Recommendations Page



Purpose

Use the Resource Recommendations page to identify and select the best resource for specific roles based on the success rate of a resource's role from past history.

The Resource Performance bar chart compares the total outcomes and the successful outcomes for each Resource ID in a specific role. To view the Resource Performance chart for a specific role, select a role from the **Role Name** list. For example, Engineer 2. The x-axis displays all Resource IDs associated with the selected role. The y-axis displays the total number of successful outcomes from past history. The success rate of each resource ID in a specific role is also calculated and displayed as line graph.

For more details on resources associated with a role, select a role in the **Role Name** table. For example, *Engineer 2*. A bar graph is generated that displays the total number of projects associated with each resource in the selected role. Additionally, the projects worked on by each resource is also listed.

To get a resource recommended for a role, select a role in the **Get Recommendation for the Selected Role Name** section.

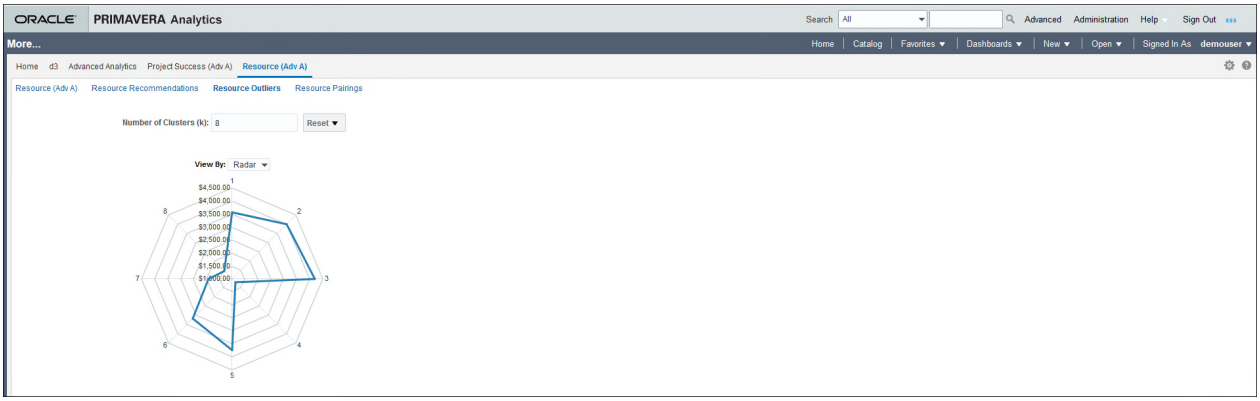
Location

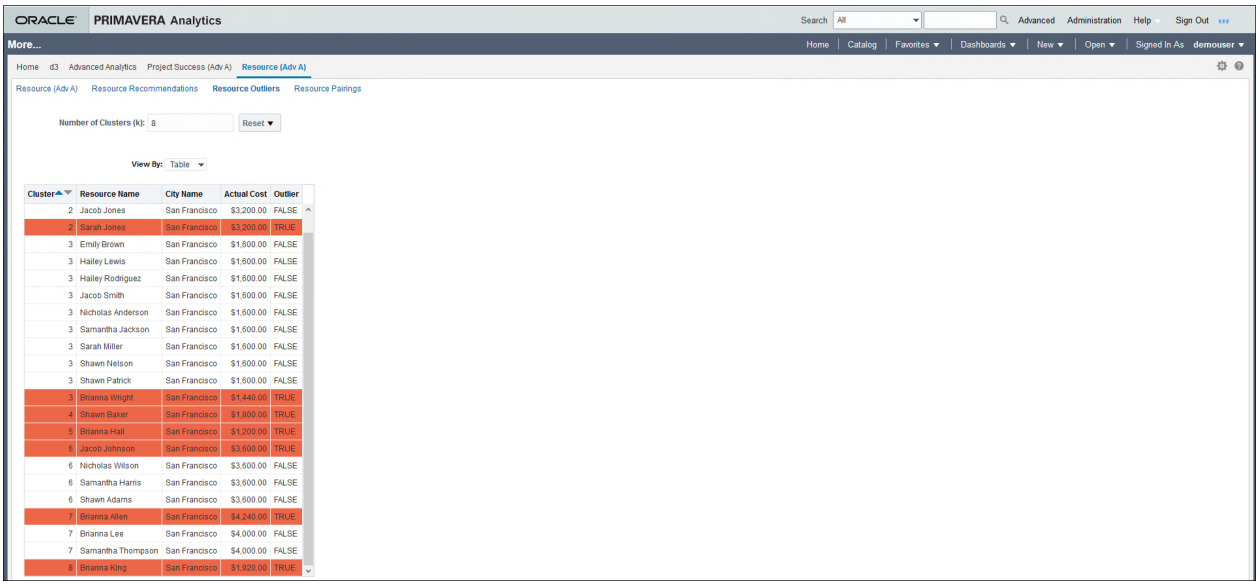
1) On the **Home** page, click the **Dashboards** menu.
2) Under **Primavera**, click **More...**.
3) On the **More** dashboard, click the **Resource (Adv A)** page.
4) Click the **Resource Recommendations** page.

Subject Area

Resource

Resource Outlier Page





Purpose

Use the Resource Outliers analysis to find outliers based on resources, their location, and the actual costs associated with each individual resource. Currently, one data point per cluster is defined as an outlier. An outlier refers to the data point which is the furthest from the mean of all other values in a location's cluster.Finding an outlier helps determine a possible cause for an anomaly.

1) In the **Number of Clusters (k)** field, enter the number of clusters you want to spread the data across.
2) From the **View By** list select *Radar* or *Table* to view an outlier in either format. Data in both formats is displayed above.

   The outlier in each cluster is shown in red.

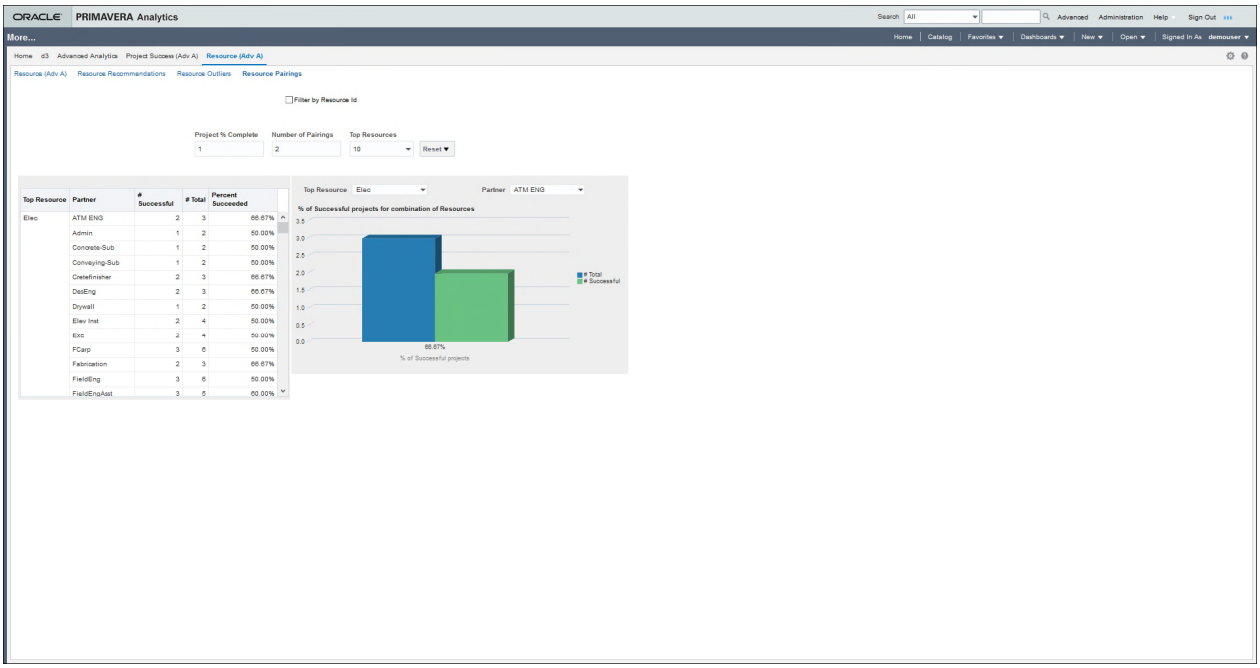
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **More...**.
3) On the **More** dashboard, click the **Resource (Adv A)** page.
4) Click the **Resource Outlier** page.

Subject Area

Resource

Resource Pairings Page



Purpose

Resource Pairings page analyzes resources and their assigned projects to find top resource pairings with partners. For example, you want to discover the top 5 resources for the top 10 partners. The top 'n' number of resources are found based on the total number of completed projects they have worked on. Then, for each of those top 'n' resources, the top 'm' number of partners are determined based on the number of completed projects they have worked on, and the number of successful completed projects they have worked on together.

A resource-partner pair may have a 100% success rate from having worked on only 4 projects together whereas another pair has an 80% rate of success from working on 10 projects together.

- **Note**: To discover top resource-partner pairings, ensure the following criteria are satisfied:
- The number of common projects is greater than 3.
- They must be among the top 'm' number of partners in terms of percentage of success.

The bar graph displays the percent success rate of a a selected resource-partner pair when compared with the total % of successful projects.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **More...**.
3) On the **More** dashboard, click the **Resource (Adv A)** page.
4) Click the **Resource Pairings** page.

Subject Area

Resource

Sample Primavera Cloud Dashboard

Primavera Analytics includes several dashboards in the sample catalog. Use the sample dashboards as starting points to create custom dashboards and analyses that are tailored to your business needs. The power of Primavera Analytics is the ability to easily generate specific content for every user or role.

The **Overview** sample dashboard is available for Primavera Cloud.

Additional analyses are also available within the catalog for Primavera Cloud.

To access analyses:

1) On the **Home** page, click **Catalog.**
2) In the **Folders** pane, select **Shared folders**, and then select the **Primavera Cloud** folder.

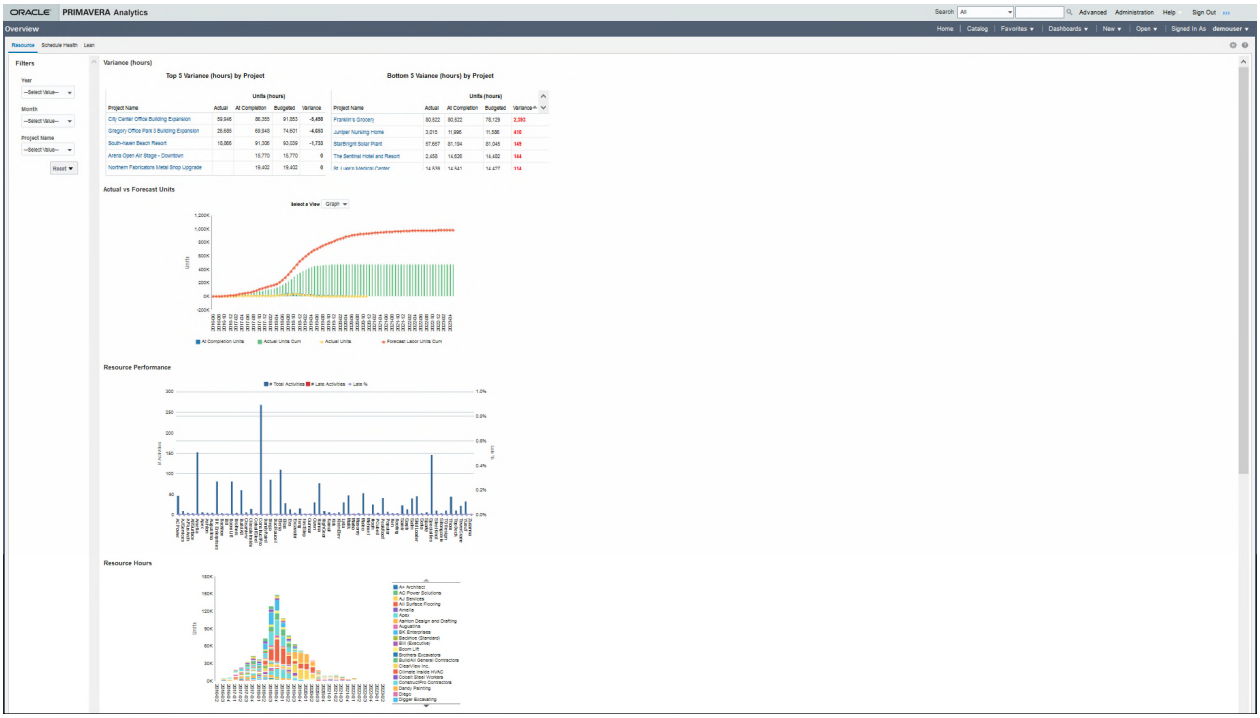
Overview Dashboard

The Overview dashboard provides a synopses of the following for the projects and workspaces that you have access to in Primavera Cloud:

- Resource Assignments
- Schedule Health
- Lean

Select each tab to view detailed information.

Resource Page



Purpose

The **Variance (hours)** section displays the extent of variance by comparing the Actual hours, Budgeted hours, and the At Completion Units (hours) for projects that are ahead of schedule and behind schedule. Select a **Project Name** to review the list of activities and their corresponding Actual, At Completion, and Budgeted Units (hours) with the variance value associated with each activity. The cumulative variance of all the activities is the variance (hours) for that project.

The **Actual Vs. Forecast Units** section displays the cumulative Forecasted Labor Units versus the Actual Units used by resources, and calculates the variance over a period of time. Use the **Select a View** list, to view this information as a *graph* (default) or *table*. The bar chart shows how resource hours were distributed over a selected period. The x-axis shows months and years. The y-axis shows units of time. In the bar chart, double-click on a column bar to view the following information associated with each project worked on by a resource in a specific month:

- Planned Units
- Actual Units
- Remaining Units
- At Completion Units
- Actual Units Variance (calculated as the difference of Actual Units and the At Completion Units)

If you chose the table view for **Actual Vs. Forecast Units**, the following information displays for each resource name:

- Actual Units
- At Completion Units
- Actual Units Cumulated
- Forecast Labor Units Cumulated

The **Resource Performance** section displays the efficiency of resources in completing their activities by evaluating late activities as a percentage of the total activities for each resource. The x-axis of the bar chart displays the resource names. The y-axis displays the # Activities and Late % for each resource. Double-click on a specific column bar in the bar chart to view all the activities associated with a specific resource name, and those completed late by the resource.

The **Resource Hours** section displays a stacked histogram to depict the total **At Completion** units of each resource used in each quarter of a specific period. The total at completion units for that quarter can be spread across one or more resources. The x-axis of the bar chart displays the resource names. The y-axis displays the resource units. In the bar chart, double-click a segment of a column bar to view the **At Completion Units** used by a resource across one or more projects in a *specific* quarter.

Alternatively, from the **Resource Name** list, select a resource name to view the **At Completion Units** used by the resource for each project *across* several quarters in the selected period.

In the left pane, use the **Filters** section to view the resource usage and variance for a specific year, month, or project.

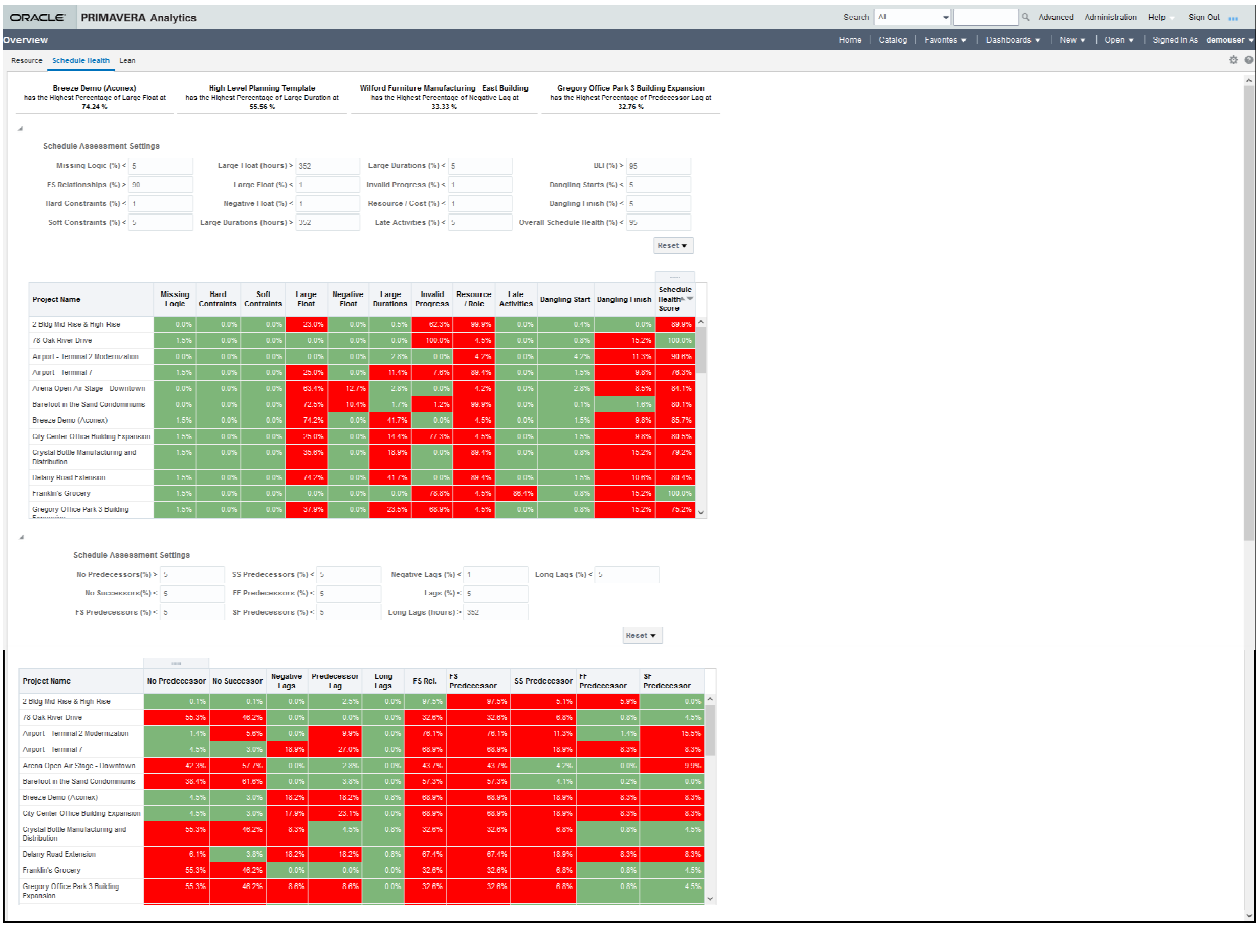
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera Cloud**, and select **Overview**.
3) On the **Overview** dashboard, click the **Resource** tab.

Subject Area

Primavera Cloud - Resource Assignment

Schedule Health Page



Purpose

The Schedule Health page displays the health metrics for all projects that you have access to in Primavera Cloud. The top section displays the a set of tiles corresponding to the projects. Select a specific tile to view a list of activities associated with the project.

The **Schedule Assessment Settings** section displays two sets of key performance indicators (KPIs):

- High-level KPIs for projects
- Low-level KPIs at the activity level for projects

Change the values of the KPIs settings to view the impact of these settings on the projects listed in the **Project** table. Select any cell in the **Project** table to view a list of activities that contributed towards the KPI value of that project.

Note: When creating an analysis, the KPIs are retrieved as fact values, and therefore can be drag-and-dropped as needed. You can also change the calculation of the KPIs as needed by selecting fields that are used for calculations from the fact tables.

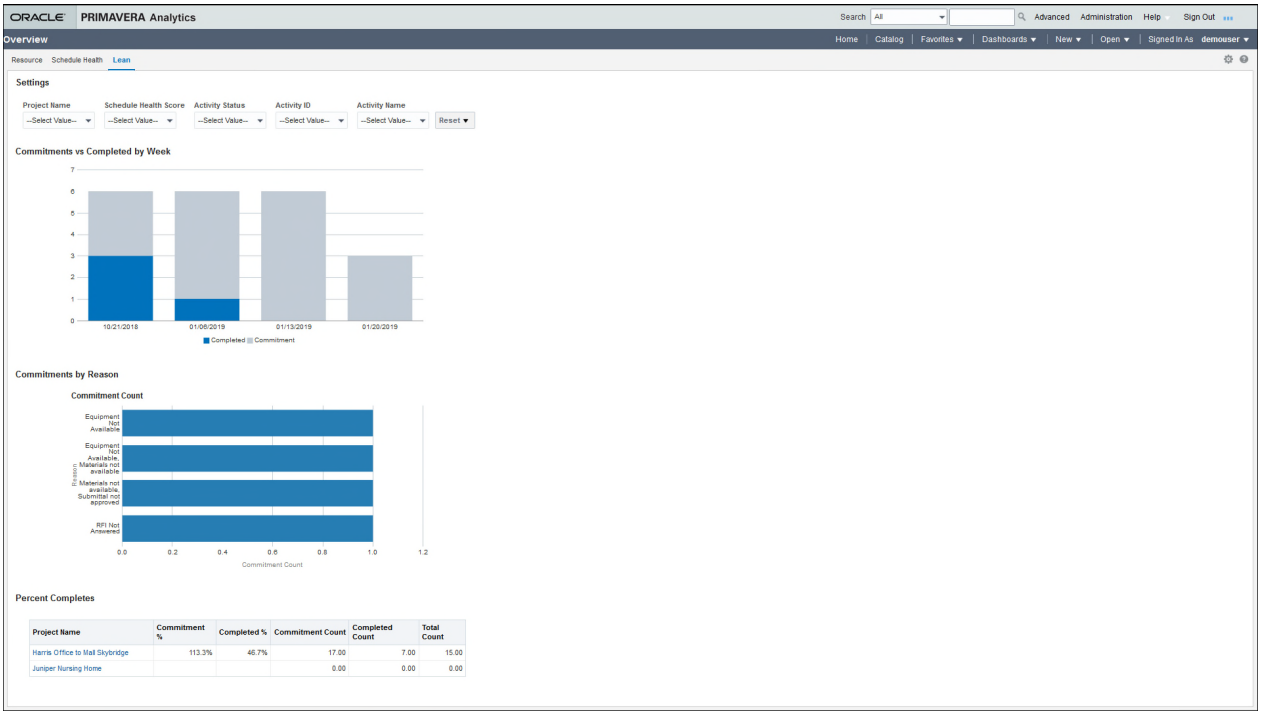
Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera Cloud**, and select **Overview**.
3) On the **Overview** dashboard, click the **Schedule Health** tab.

Subject Area

Primavera Cloud - Schedule Health

Lean Page



Purpose

The Lean page displays committed vs. completed task information for all the projects you have access to in Primavera Cloud that are set up for lean.

The **Settings** section displays a set of filters which are configurable to the needs of your organization.

The **Commitments Vs. Completed by Week** section displays a bar chart that captures the progress of tasks for all projects that are set up for lean. It displays a bar chart that displays the completed lean tasks in comparison those committed each week. The x-axis displays the week dates of commitments. The y-axis displays a count of the commitments.

The **Commitments by Reason** section allows you to review the underlying reasons for missed commitments or re-commitments for projects set up for lean. It displays a horizontal bar chart for counts of missed commitments categorized by reasons for every project. The x-axis displays the commitment count. The y-axis displays the reasons for the missed commitments.

The **Percent Completes** section displays a table listing all the tasks committed and completed in terms of counts and percentages for each project set up for lean.

Location

1) On the **Home** page, click **Dashboards**.
2) Under **Primavera Cloud**, and select **Overview**.
3) On the **Overview** dashboard, click the **Lean** tab.

Subject Area

Primavera Cloud - Lean Task

Visual Analyzer Projects

In This Section

Accessing Data Visualization

In the OBI URL, *http://<server>:<port>/analytics,* replace *analytics* with */dv/ui.*

The URL to access Data Visualization user interface is:

http://<host>:<port>/dv/ui

where:

<server> is the server name or IP address of the server where OBI is installed and running

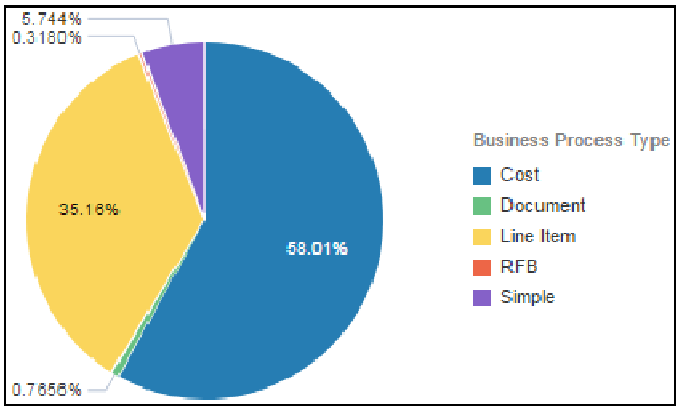
<port> is the listening port number for Data Visualization

/analytics is the default context for Data Visualization.

To learn more, watch this short video on Using Data Visualization.

Business Process Overview

Amount by Business Process Type



Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Business Process Overview,** click **Open**.

Subject Area

Business Process

Vendor Summary

Vendor Name	Business Process Name	# Of BP Records	Amount
ABC Inc	Blanket Purchase Orders	1	$23,390
	Invoices-General Spends-FM	1	$21,960
	Master Service Agreements	2	$33,743
	PO Amendments-FM	1	$17,623
	Purchase Orders-FM	3	$21,167
	Vendors	1	$6,452
Ace Nationwide Security	Blanket Purchase Orders	2	$20,804
	Invoices	1	$33,760
	PO Amendments	1	$35,707
	Purchase Orders	2	$88,652
	Vendor Prequal Requests	1	$7,948

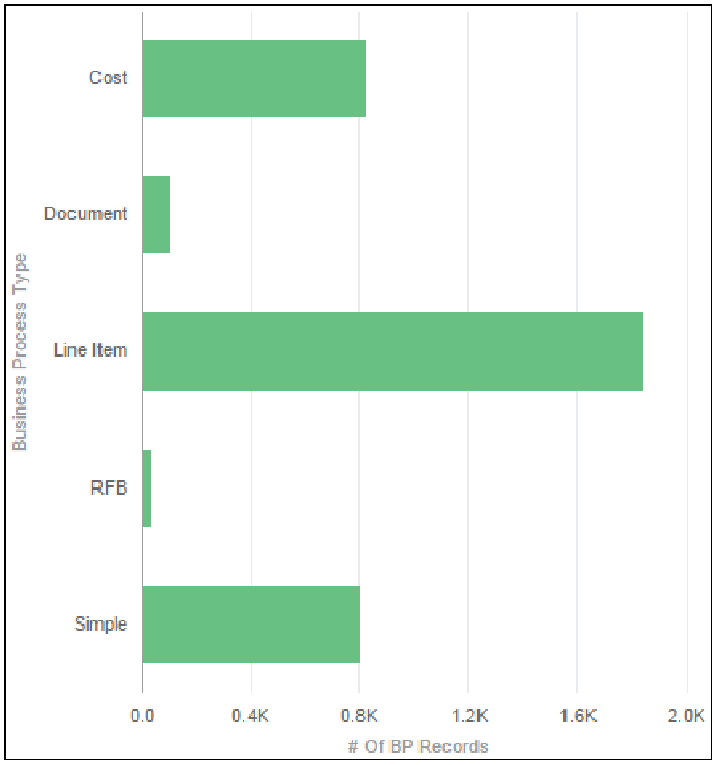
Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Business Process Overview,** click **Open**.

Subject Area

Business Process

of BP Records by Business Process Type



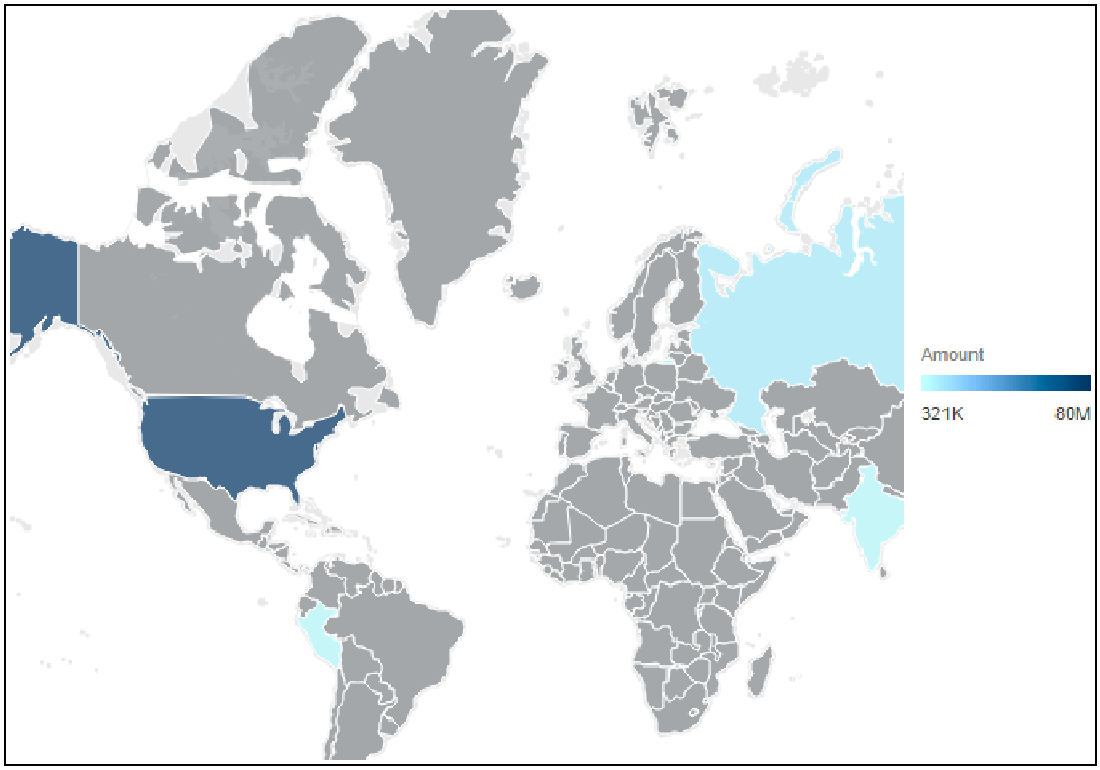
Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Business Process Overview,** click **Open**.

Subject Area

Business Process

BP Line Item Amount by Country



Location

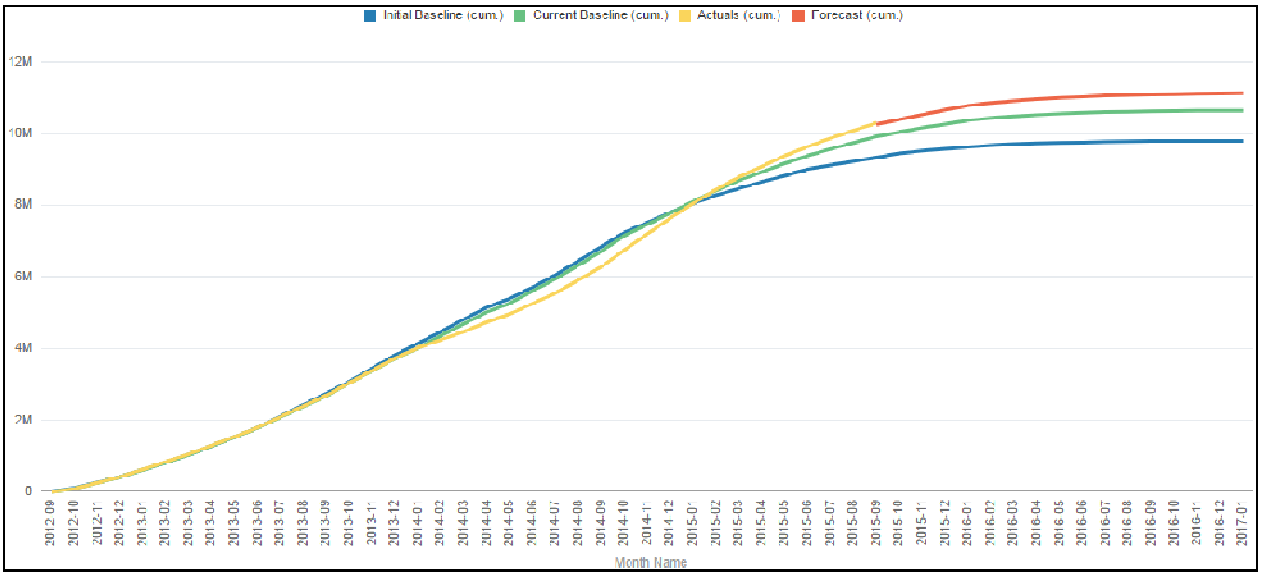
1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Business Process Overview,** click **Open**.

Subject Area

Business Process

Cash Flow Summary

Cash Flow Summary Line



Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Cash Flow Summary,** click **Open**.

Subject Area

Cash Flow

Cash Flow Summary Table

	Initial Baseline	Current Baseline	Actuals	Forecast	Initial Baseline (cum.)	Current Baseline (cum.)	Actuals (cum.)	Forecast (cum.)
2012	$419,659	$412,838	$421,175	$427,880	$419,659	$412,838	$421,175	
2013	$3,402,052	$3,317,005	$3,315,304	$3,394,757	$3,821,711	$3,729,843	$3,736,478	
2014	$3,980,838	$4,053,909	$3,913,218	$4,012,845	$7,802,549	$7,783,752	$7,649,696	
2015	$1,783,595	$2,489,098	$2,655,193	$2,831,801	$9,586,144	$10,272,850	$10,304,889	$10,667,282
2016	$206,139	$381,326	$0	$466,267	$9,792,283	$10,654,176		$11,133,549
2017	$0	$0	$0	$10,000	$9,792,283	$10,654,176		$11,143,549

Location

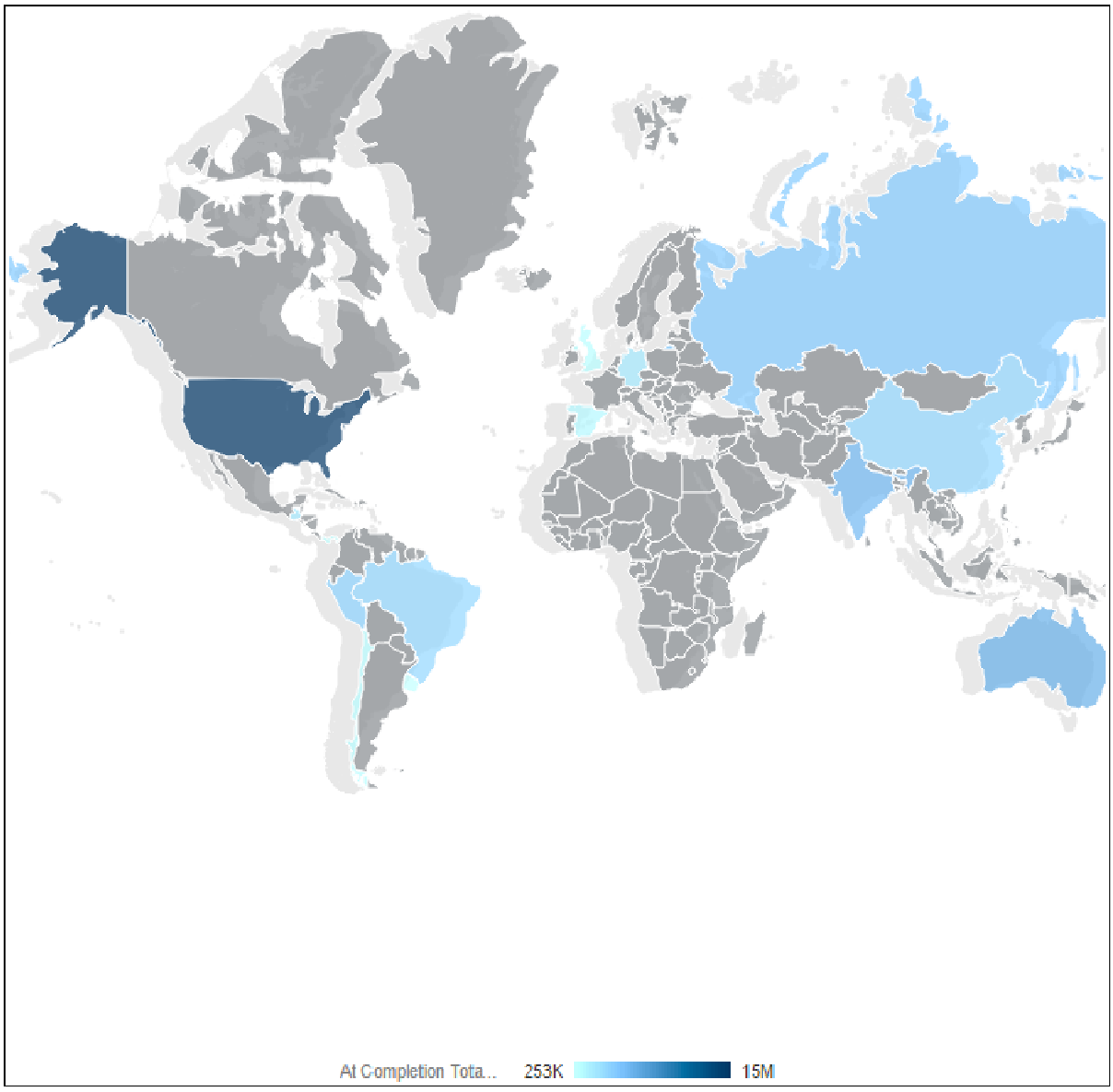
1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Cash Flow Summary,** click **Open**.

Subject Area

Cash Flow

Cost by Location

Cost by Location Map



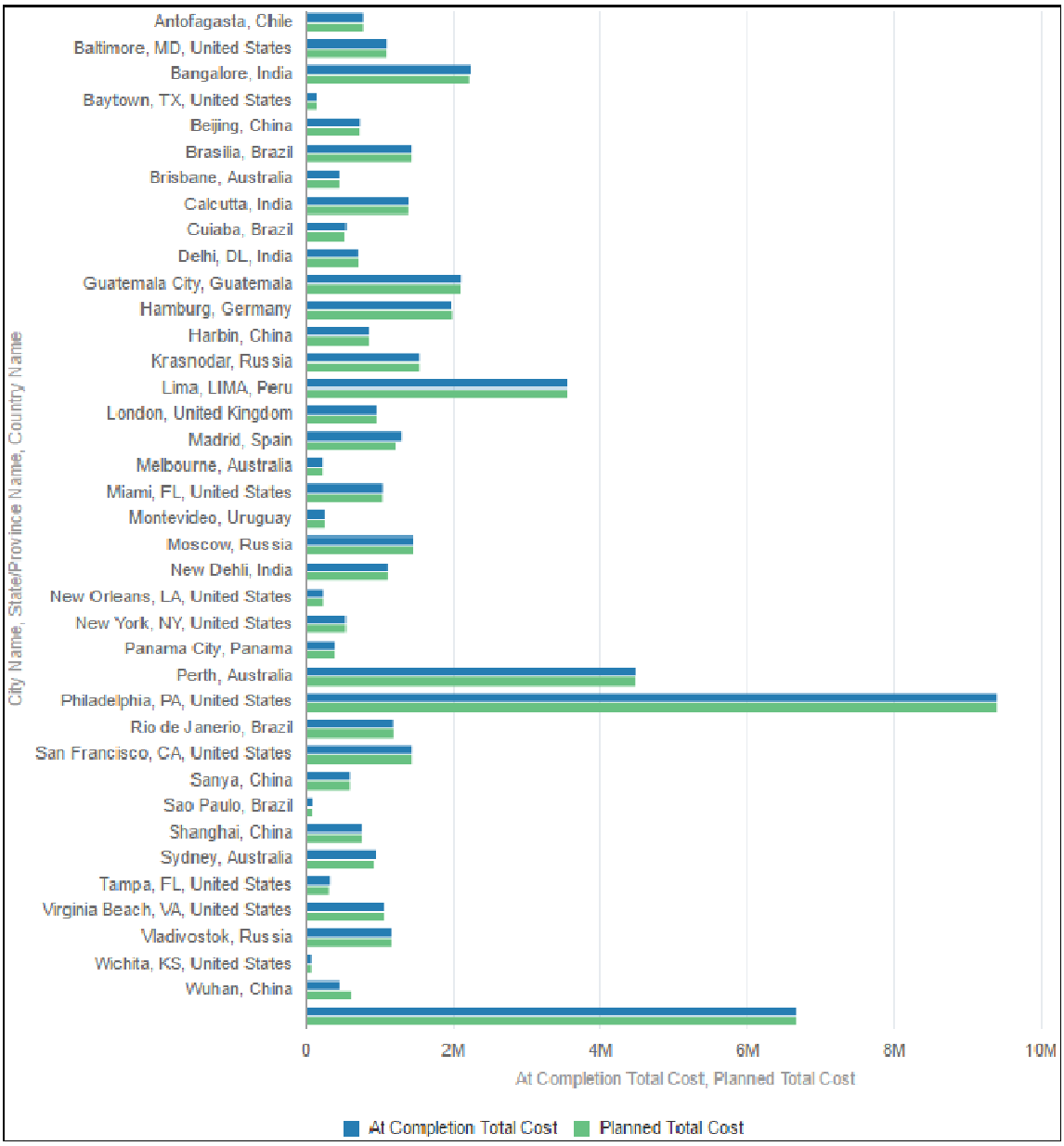
Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Cost by Location,** click **Open**.

Subject Area

Activity

Cost by Location Horizontal Bar



Location

On the **Home** page, click **Catalog**.

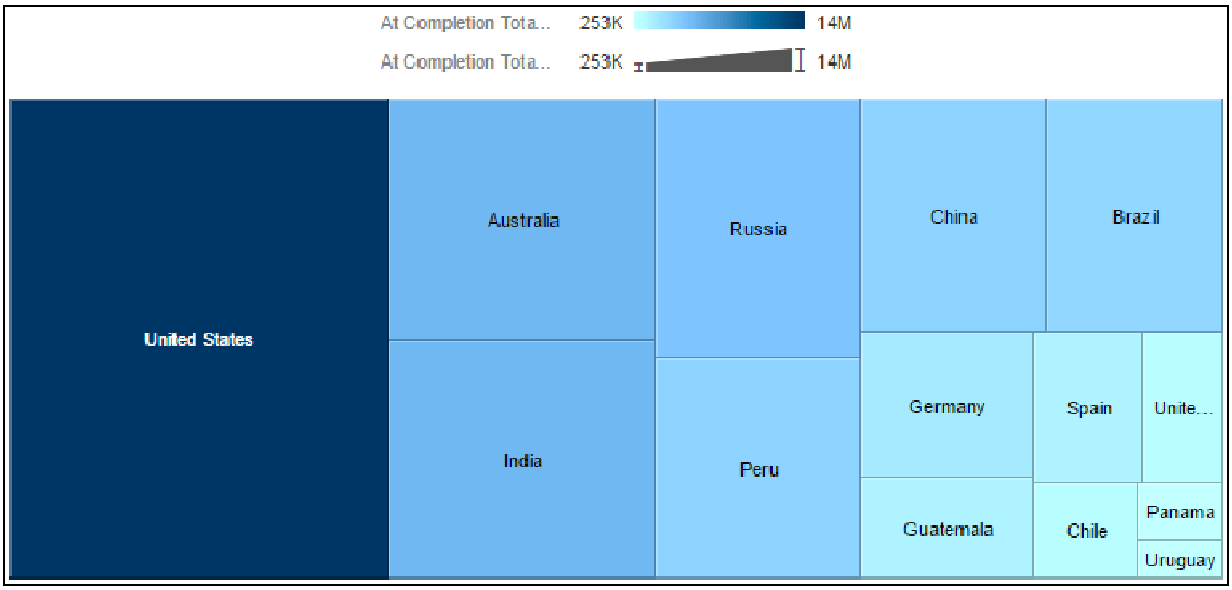
1) In the left pane, under **Shared Folders**, select **DV Samples**.
2) Under **Cost by Location,** click **Open**.

Subject Area

Activity

Cost Overview

At Completion Cost Tree Map



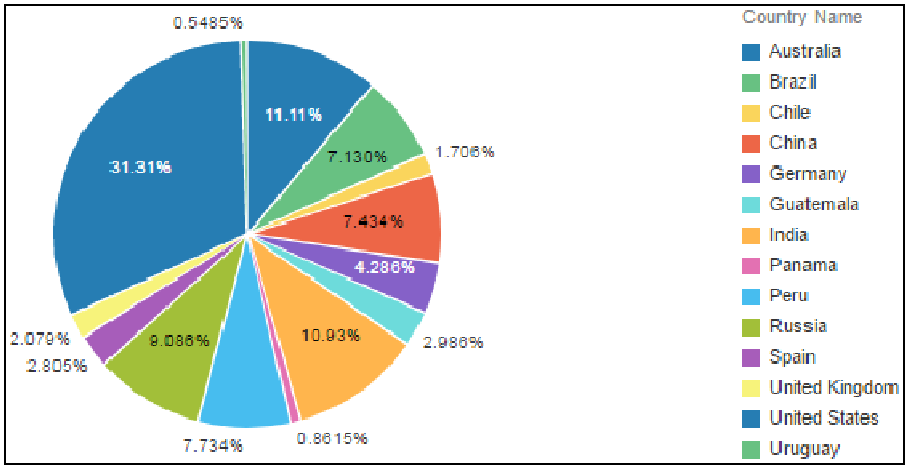
Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Cost Overview,** click **Open**.

Subject Area

Activity

At Completion Cost by Country



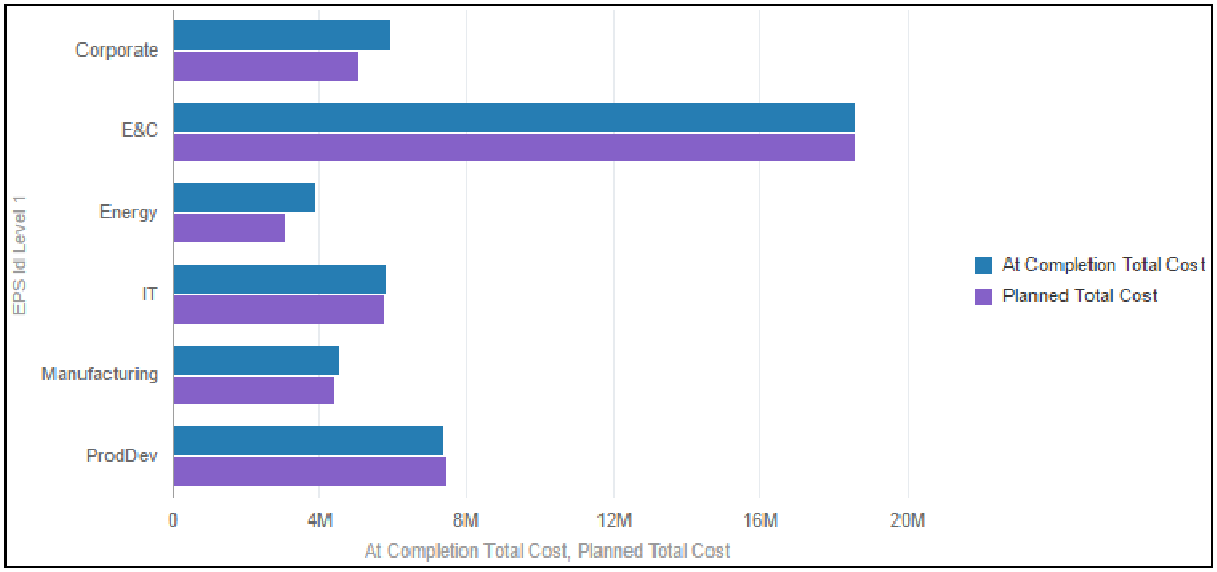
Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Cost Overview,** click **Open**.

Subject Area

Activity

Cost by EPS Level 1



Location

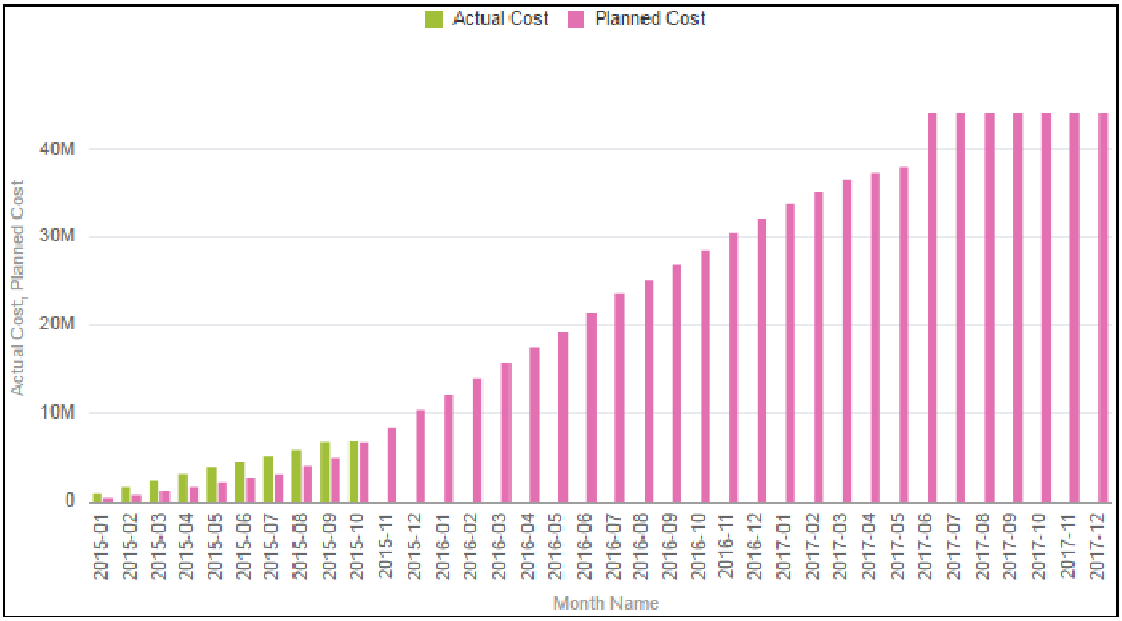
1) On the **Home** page, click **Catalog**.

2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Cost Overview,** click **Open**.

Subject Area

Activity

Actual/Planned Cost by Month



Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Cost Overview,** click **Open**.

Subject Area

Activity

Cost Trend

Cost Trend Table

Project Name	Month Name	Calendar Date	Actual Total Cost	Remaining Total Cost	At Completion Total Cost
4G Tablet Project	2015-01	1/1/2015 12:00:00 AM	$80,138	$388,778	$468,915
	2015-02	2/1/2015 12:00:00 AM	$80,138	$388,778	$468,915
	2015-03	3/1/2015 12:00:00 AM	$80,138	$388,778	$468,915
	2015-04	4/1/2015 12:00:00 AM	$80,138	$388,778	$468,915
	2015-05	5/1/2015 12:00:00 AM	$80,138	$388,778	$468,915
	2015-06	6/1/2015 12:00:00 AM	$80,138	$388,778	$468,915
	2015-07	7/1/2015 12:00:00 AM	$80,138	$388,778	$468,915
	2015-08	8/1/2015 12:00:00 AM	$80,138	$388,778	$468,915
	2015-09	9/1/2015 12:00:00 AM	$80,138	$388,778	$468,915
Alaska University - Anchorage	2015-01	1/1/2015 12:00:00 AM	$0	$3,778,081	$3,778,081
Baytown, TX - Online Maintenance Work	2015-01	1/1/2015 12:00:00 AM	$250	$70,701	$70,951
	2015-02	2/1/2015 12:00:00 AM	$250	$70,701	$70,951
	2015-03	3/1/2015 12:00:00 AM	$250	$70,701	$70,951
	2015-04	4/1/2015 12:00:00 AM	$250	$70,701	$70,951
	2015-05	5/1/2015 12:00:00 AM	$250	$70,701	$70,951
	2015-06	6/1/2015 12:00:00 AM	$250	$70,701	$70,951
	2015-07	7/1/2015 12:00:00 AM	$250	$70,701	$70,951
	2015-08	8/1/2015 12:00:00 AM	$250	$70,701	$70,951
	2015-09	9/1/2015 12:00:00 AM	$250	$70,701	$70,951
Baytown, TX - Refuel Outage	2015-01	1/1/2015 12:00:00 AM	$0	$81,071	$81,071
	2015-02	2/1/2015 12:00:00 AM	$0	$81,071	$81,071
	2015-03	3/1/2015 12:00:00 AM	$0	$81,071	$81,071
	2015-04	4/1/2015 12:00:00 AM	$0	$81,071	$81,071
	2015-05	5/1/2015 12:00:00 AM	$0	$81,071	$81,071
	2015-06	6/1/2015 12:00:00 AM	$0	$81,071	$81,071
	2015-07	7/1/2015 12:00:00 AM	$0	$81,071	$81,071
	2015-08	8/1/2015 12:00:00 AM	$0	$81,071	$81,071
	2015-09	9/1/2015 12:00:00 AM	$0	$81,071	$81,071

Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Cost Trend,** click **Open**.

Subject Area

Project History

Cost Variance KPI

Cost Variance KPI Table

Project Id	Cost Variance (Cost)
CORP00118	-$90,603.56
CORP00424	-$2,581.09
CORP00591	-$63,235.22
CORP00712	-$50,602.71
CORP00768	$2,016.31
EC00610	-$365,129.13
IT00065	$4,425.48
IT00731	-$1,225.45
IT00783	-$23,144.77
IT00800	$2,310.76
IT00999	-$458.05
MFG00337	-$759.06
MFG00497	-$220.42
MFG00659	-$12,368.40
MFG00772	-$24,051.67
MFG00925	-$3,001.81
NRG00800	-$13,024.09
NRG00910	-$0.00
NRG01000	-$4,075.00
NRG01000RFO	-$579.40
PROD00228	$649,192.03
PROD00414	$75,662.50
PROD00914	$35,364.87

Location

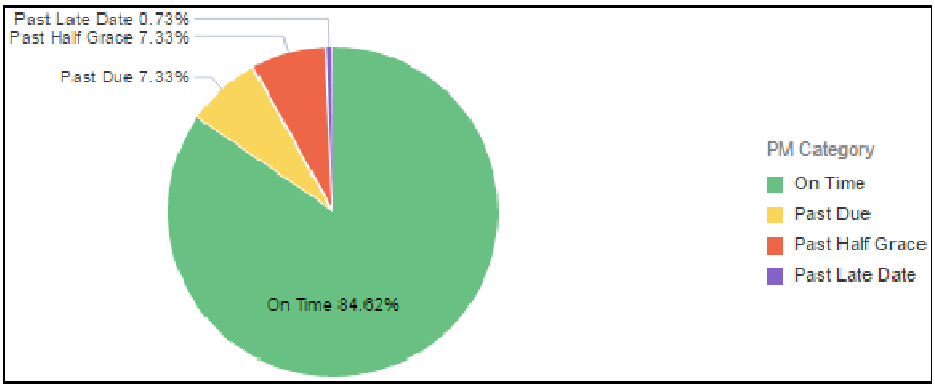
1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Cost Variance KPI,** click **Open**.

Subject Area

Activity

Data Mashup Example

Counts by PM Category



Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Data Mashup Example,** click **Open**.

Subject Area

Activity

Data Mashup Table

CRITICALITY	DISCIPLINE	PM Category	# Of Activities
C	ELEC	On Time	43
		Past Due	6
		Past Half Grace	3
	IC	On Time	23
		Past Due	2
		Past Half Grace	5
		Past Late Date	1
	MECH	On Time	38
		Past Due	2
		Past Half Grace	4

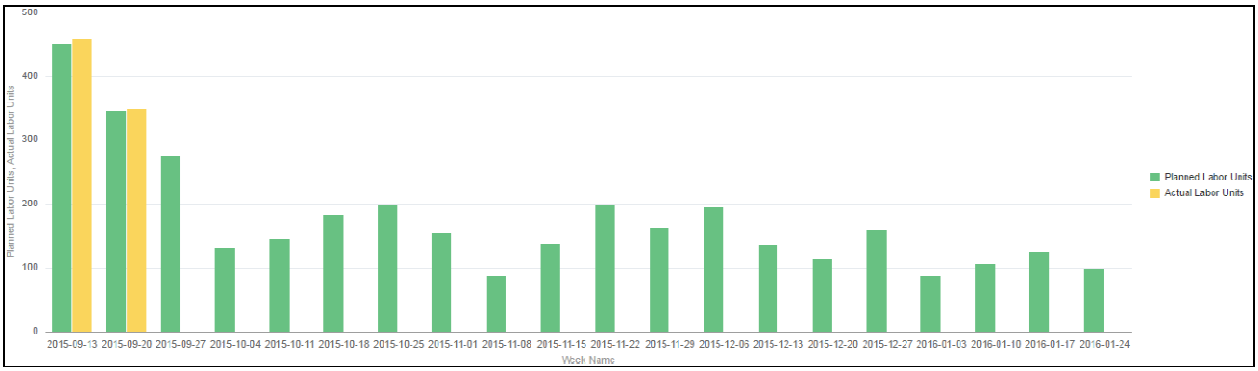
Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Data Mashup Example,** click **Open**.

Subject Area

Activity

PM Planned vs. Actual Hours by Week



Location

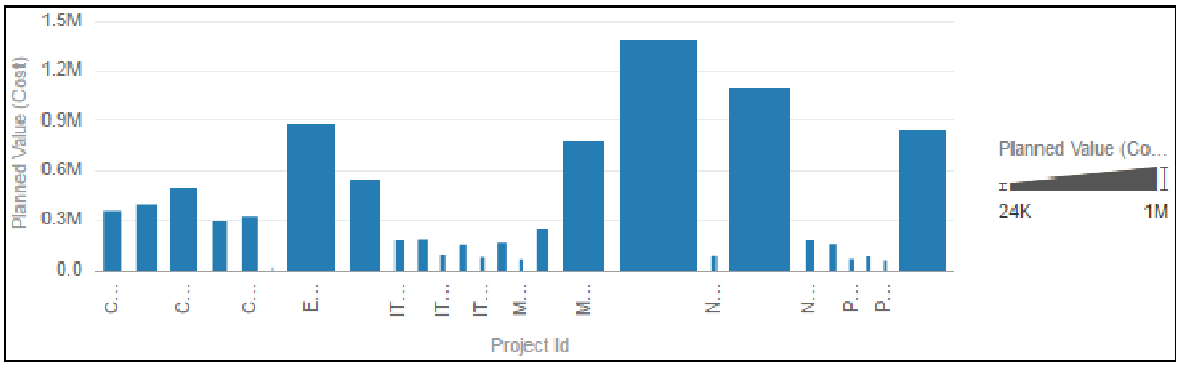
1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Data Mashup Example,** click **Open**.

Subject Area

Activity

Earned Value KPI

Planned Value



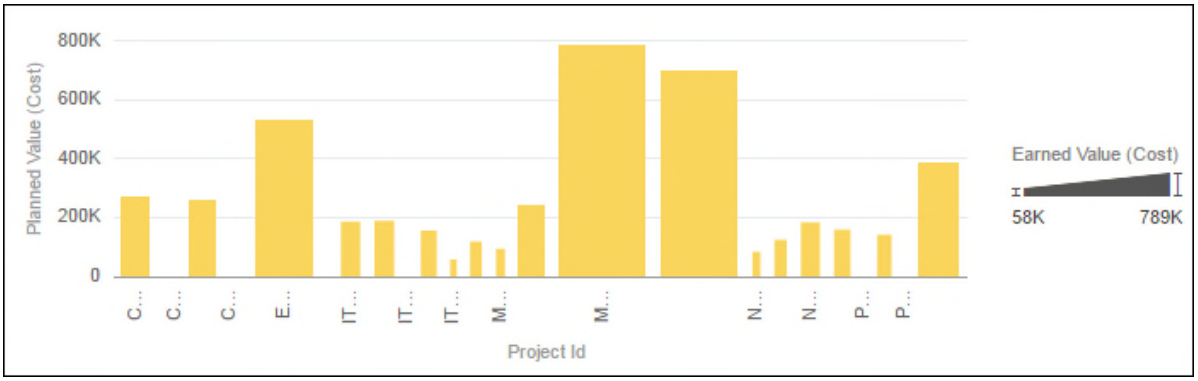
Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Earned Value KPI,** click **Open**.

Subject Area

Activity

Earned Value



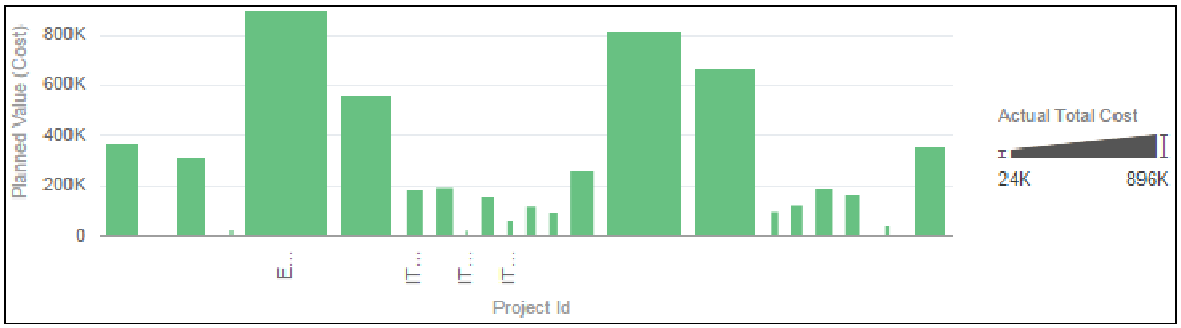
Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Earned Value KPI,** click **Open**.

Subject Area

Activity

Actual Cost



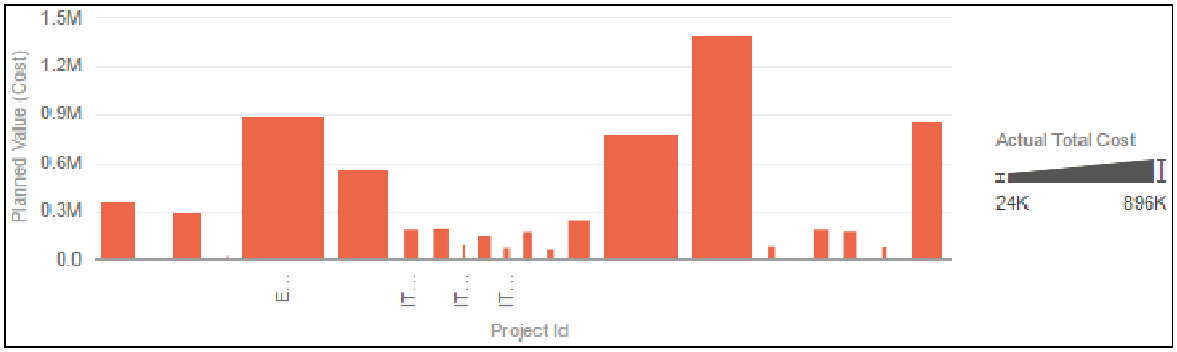
Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Earned Value KPI,** click **Open**.

Subject Area

Activity

Budget at Completion



Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Earned Value KPI,** click **Open**.

Subject Area

Activity

Earned Value KPI Table

	Planned Value (Cost)	Actual Total Cost	Earned Value (Cost)	Budget At Completion (Cost)
MFG00925	$1,391,791.14	$663,057	$698,876.61	1391791.14
NRG00910	$1,096,233.18	$124,019	$124,018.61	
EC00610	$890,657.99	$895,554	$530,424.58	890657.99
PROD00914	$848,007.68	$355,021	$387,123.78	853926.50
MFG00772	$777,452.15	$813,100	$789,048.62	777452.15
EC00620	$554,970.01	$554,370		554970.01
CORP00591	$496,743.37			496743.37

Location

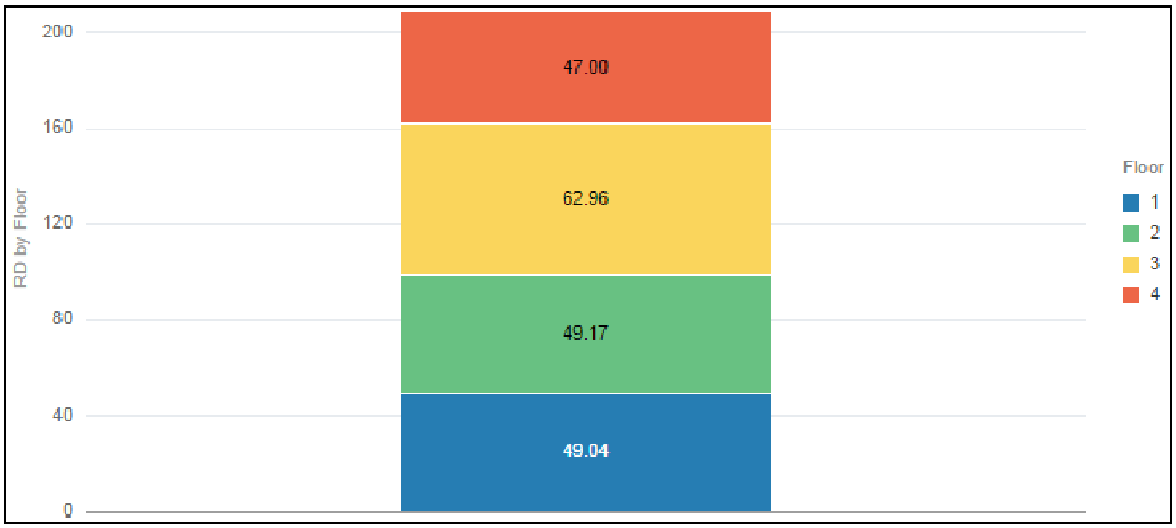
1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Earned Value KPI,** click **Open**.

Subject Area

Activity

Floor Example

Remaining Duration by Floor



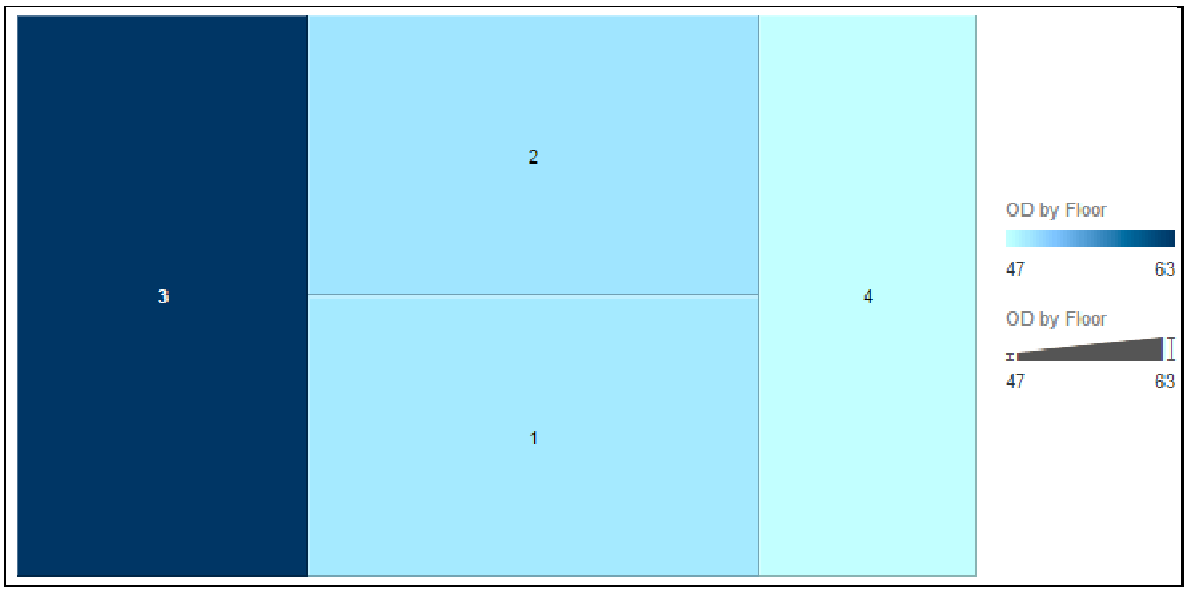
Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Floor Example,** click **Open**.

Subject Area

Activity

Original Duration by Floor



Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Floor Example,** click **Open**.

Subject Area

Activity

Floor Example Table

Floor	OD by Floo	RD by Floor	TF by Floor	FF by Floor
4	47.00	47.00	-6258.71	0.33
3	62.96	62.96	-889.88	79.17
2	49.17	49.17	509.42	103.08
1	49.04	49.04	-12987.75	568.58

Location

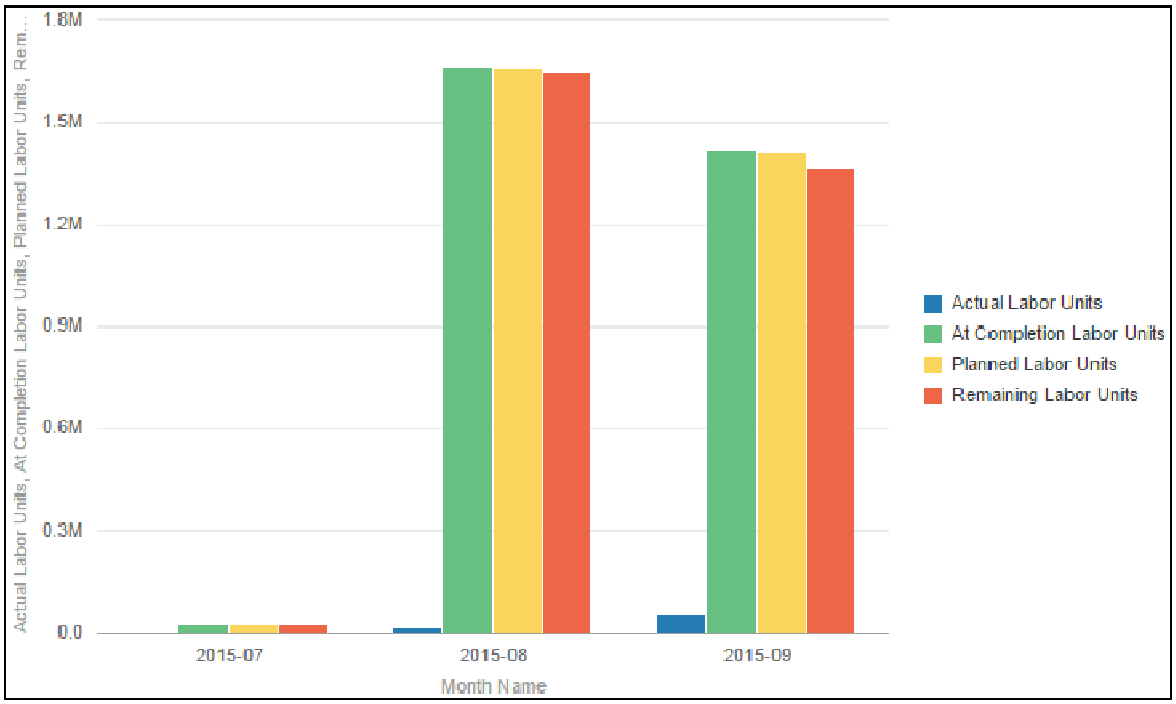
1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Floor Example,** click **Open**.

Subject Area

Activity

Labor Units History

Labor Units by Month Bar



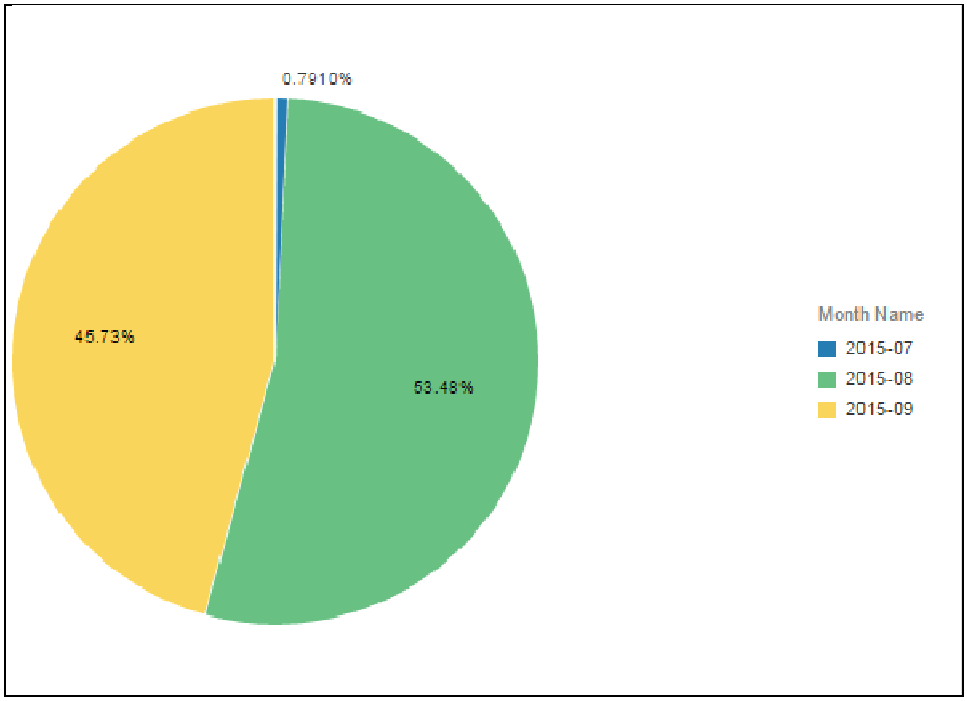
Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Labor Units History,** click **Open**.

Subject Area

Activity History

At Completion Labor Units by Month



Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Labor Units History,** click **Open**.

Subject Area

Activity History

Labor Units by Month Table

Year Name	Month Name	At Completion Labor Units	Planned Labor Units	Remaining Labor Units	Actual Labor Units
2015	2015-07	24528.00	24528.00	24528.00	0.00
	2015-08	1658192.25	1655905.93	1644485.55	13706.70
	2015-09	1417971.20	1412982.38	1364267.77	53736.79

Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Labor Units History,** click **Open**.

Subject Area

Activity History

Overdue Tasks

Overdue Tasks Table

Project Id	Data Date	Activity ID	Actual Start	Baseline Project Start	Late Starting	Shoudve Started	Count Late Starting	Count Shoudve Started	# Of Activities
CORP00103	11/1/2015 12:00:00 AM	CP1000		11/2/2015 8:00:00 AM		32	0.00	0.00	1
		CP1010		11/13/2015 8:00:00 AM		206	0.00	0.00	1
		CP1020		11/26/2015 8:00:00 AM		608	0.00	0.00	1
		CP1030		12/15/2015 12:00:00 PM		1068	0.00	0.00	1
		CP1040		1/1/2016 8:00:00 AM		1472	0.00	0.00	1
		CP1050		1/13/2016 2:00:00 PM		1766	0.00	0.00	1
		CP1060		3/2/2016 2:00:00 PM		2942	0.00	0.00	1
		CP1070		6/8/2016 2:00:00 PM		5294	0.00	0.00	1
		CP1080		8/22/2016 10:00:00 AM		7090	0.00	0.00	1
		CP9001		11/12/2015 4:00:00 PM		280	0.00	0.00	1
		CP9002		1/13/2016 2:00:00 PM		1766	0.00	0.00	1
		CP9003		6/8/2016 2:00:00 PM		5294	0.00	0.00	1
		CP9004		8/22/2016 10:00:00 AM		7090	0.00	0.00	1
		CP9005		10/10/2016 10:00:00 AM		8266	0.00	0.00	1
CORP00118	9/27/2015 12:00:00 AM	CP1000	3/2/2015 8:00:00 AM	3/2/2015 8:00:00 AM	0	5008	0.00	1.00	1
		CP1010	4/27/2015 1:00:00 PM	4/27/2015 1:00:00 PM	0	-3659	0.00	1.00	1
		CP1020	5/20/2015 12:00:00 PM	5/20/2015 12:00:00 PM	0	-3108	0.00	1.00	1
		CP1030	6/9/2015 10:00:00 AM	6/9/2015 10:00:00 AM	0	-2630	0.00	1.00	1
		CP1040	7/16/2015 2:00:00 PM	7/16/2015 2:00:00 PM	0	-1738	0.00	1.00	1
		CP1050	8/11/2015 10:00:00 AM	8/11/2015 10:00:00 AM	0	-1118	0.00	1.00	1
		CP1060		10/1/2015 2:00:00 PM		110	0.00	0.00	1
		CP1070		12/3/2015 2:00:00 PM		1622	0.00	0.00	1
		CP1080		1/5/2016 10:00:00 AM		2410	0.00	0.00	1
		CP9001	4/27/2015 1:00:00 PM	4/27/2015 1:00:00 PM	0	-3659	0.00	1.00	1
		CP9002	8/7/2015 4:00:00 PM	8/7/2015 4:00:00 PM	0	-1208	0.00	1.00	1
		CP9003		12/3/2015 2:00:00 PM		1622	0.00	0.00	1
		CP9004		1/5/2016 10:00:00 AM		2410	0.00	0.00	1
		CP9005		2/9/2016 10:00:00 AM		3250	0.00	0.00	1

Location

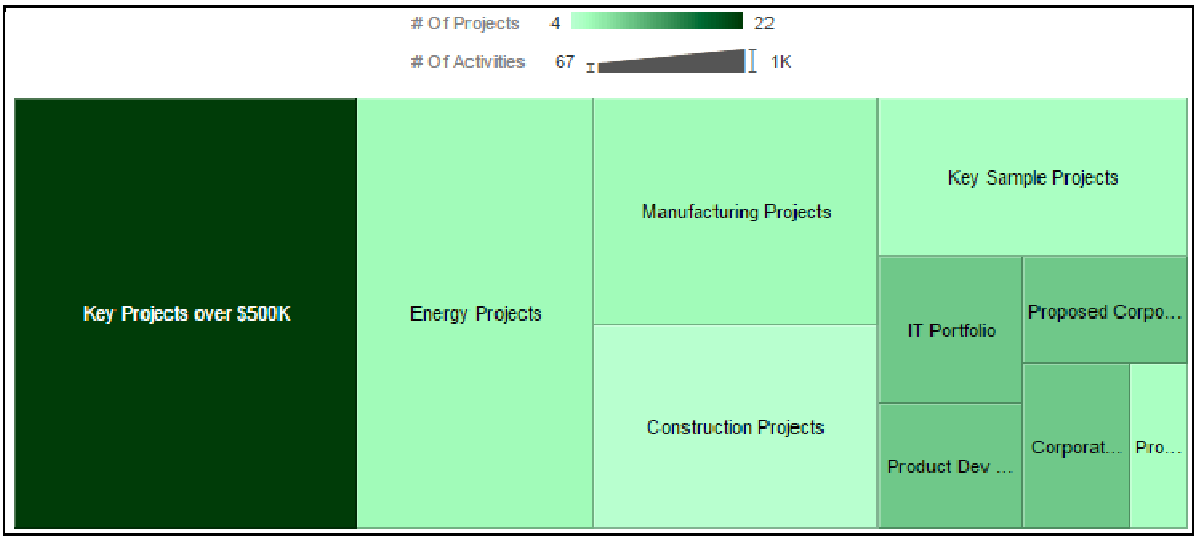
1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Overdue Tasks,** click **Open**.

Subject Area

Activity

Portfolio Overview

Portfolio Tree Map



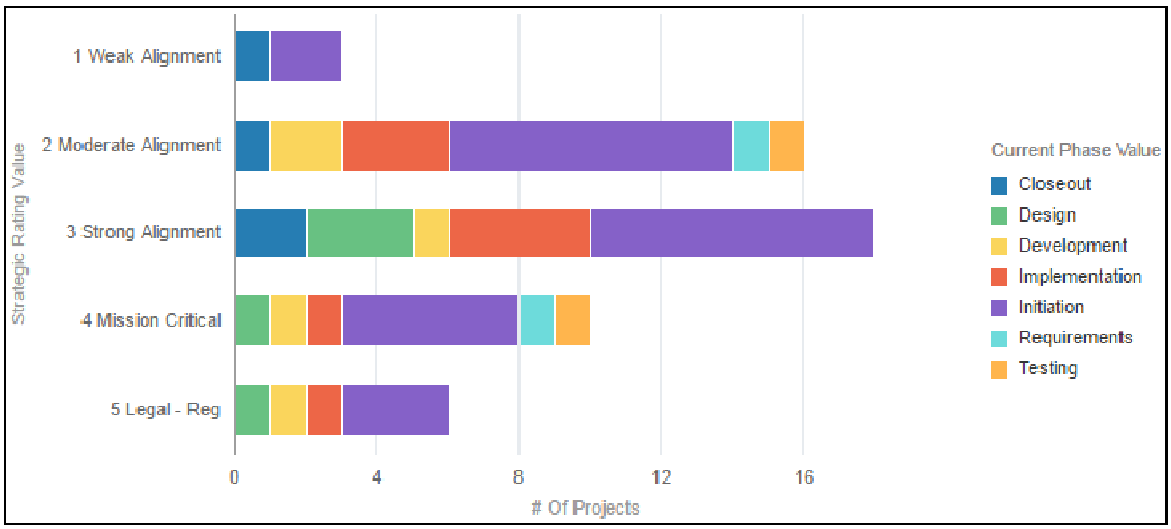
Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Portfolio Overview,** click **Open**.

Subject Area

Activity

of Projects by Strategic Rating



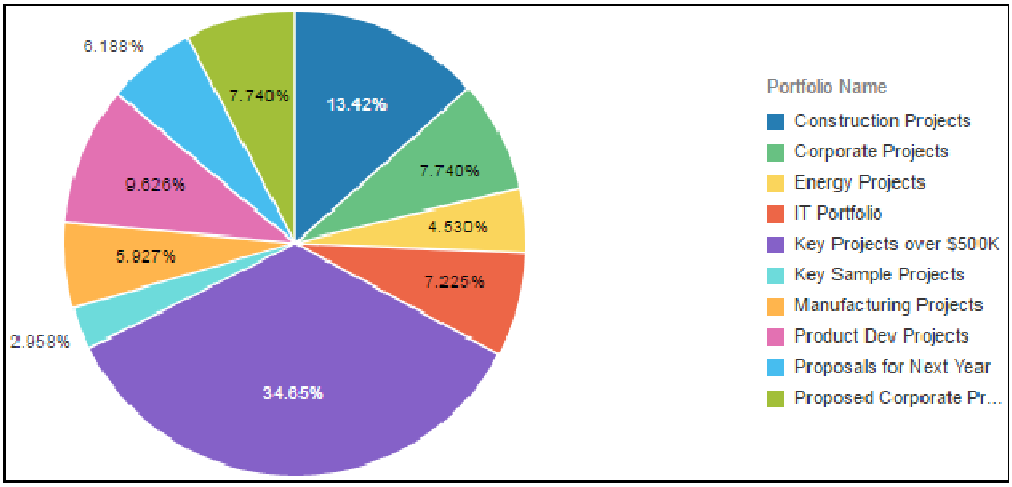
Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Portfolio Overview,** click **Open**.

Subject Area

Activity

At Completion Cost by Portfolio



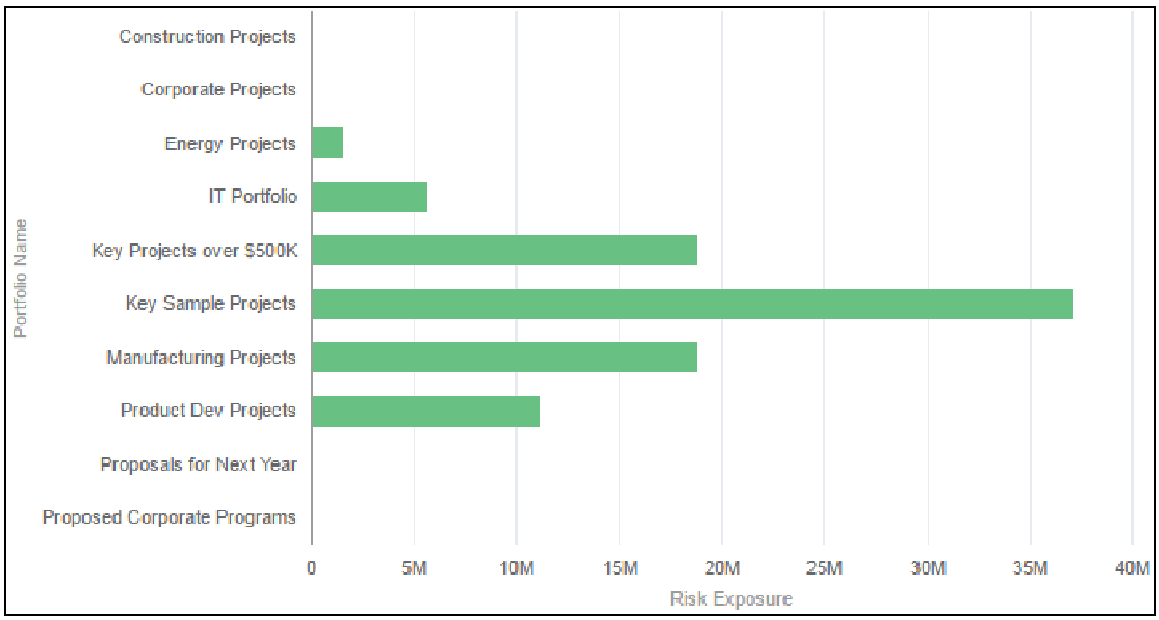
Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Portfolio Overview,** click **Open**.

Subject Area

Activity

Risk Exposure



Location

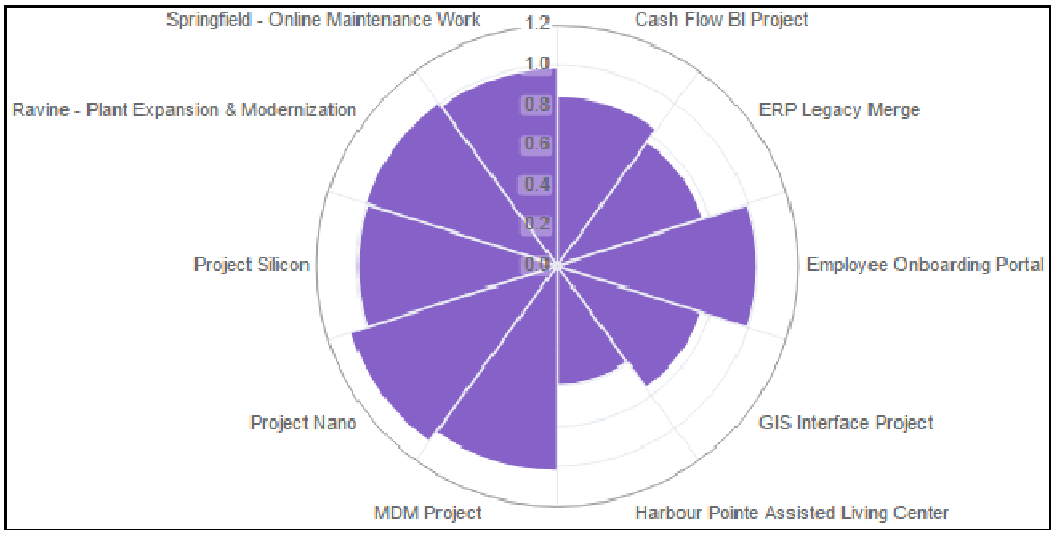
1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Portfolio Overview,** click **Open**.

Subject Area

Activity

Schedule Perf & SPI

Cost Performance Index (Cost)



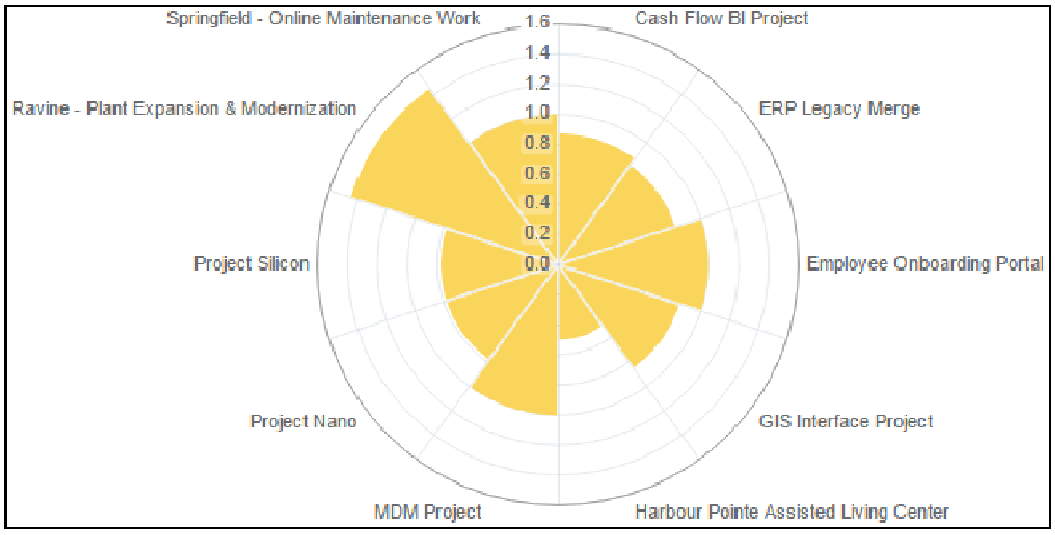
Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Schedule Perf & SPI,** click **Open**.

Subject Area

Activity

Schedule Performance Index (Units)



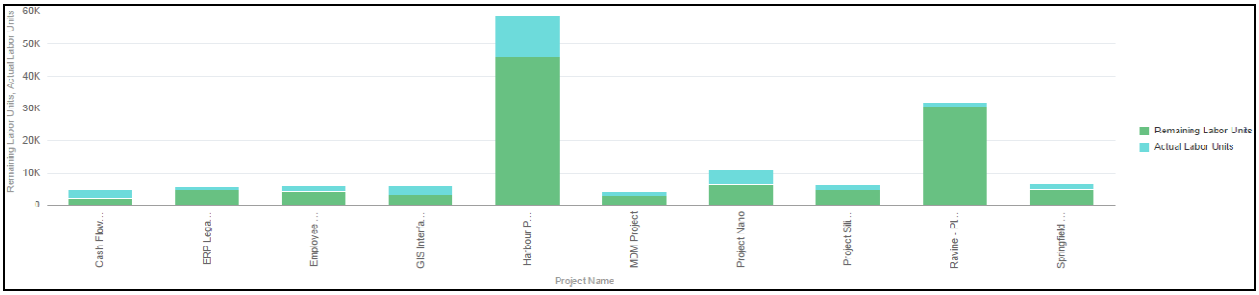
Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Schedule Perf & SPI,** click **Open**.

Subject Area

Activity

Remaining & Actual Labor Units



Location

1) On the **Home** page, click **Catalog**.
2) In the left pane, under **Shared Folders**, select **DV Samples**.
3) Under **Schedule Perf & SPI,** click **Open**.

Subject Area

Activity

Burn Down Activity Use Cases

The activity use cases demonstrate example 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 Burn Down, see "Using Burn Down for P6 EPPM Data" in the *Primavera Analytics On-Premises Administration Guide* or the *Primavera Analytics Cloud Service Administration Guide.*

In This Section

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 Primavera 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 Primavera 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

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

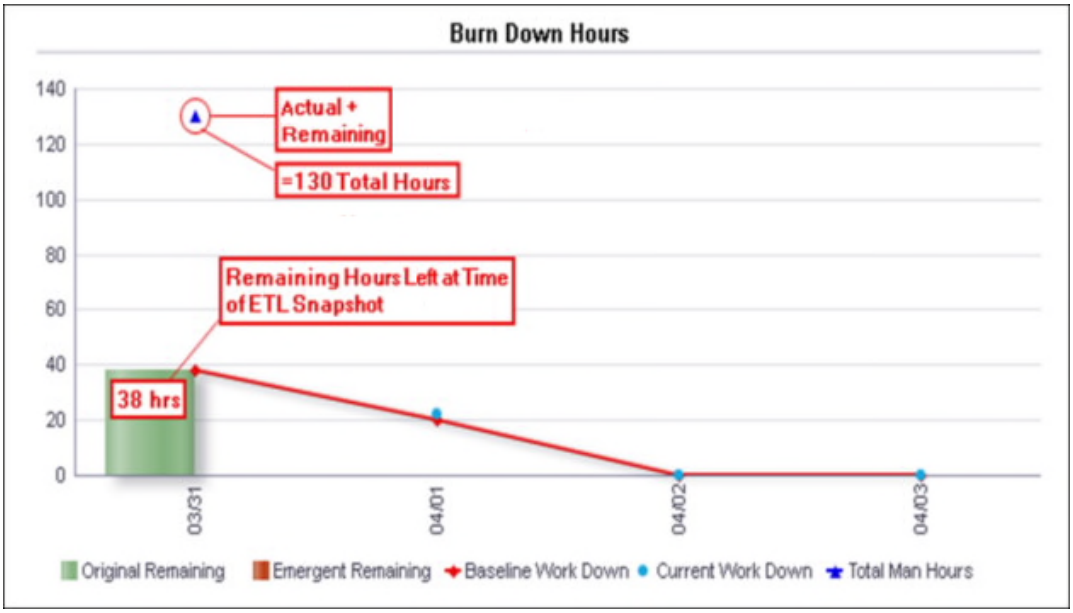
- Started before Outage Project Snapshot Spanning into Outage - AC2
  - Status: In-progress
  - Actual Units: 48
  - Remaining Units: 2
- Completed Day of Outage Project Snapshot - AC3
  - Status: Complete
  - Actual Units: 10
  - Remaining Units: 0
- Pre-Outage Work Spanning into Outage - AC4
  - Status: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

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

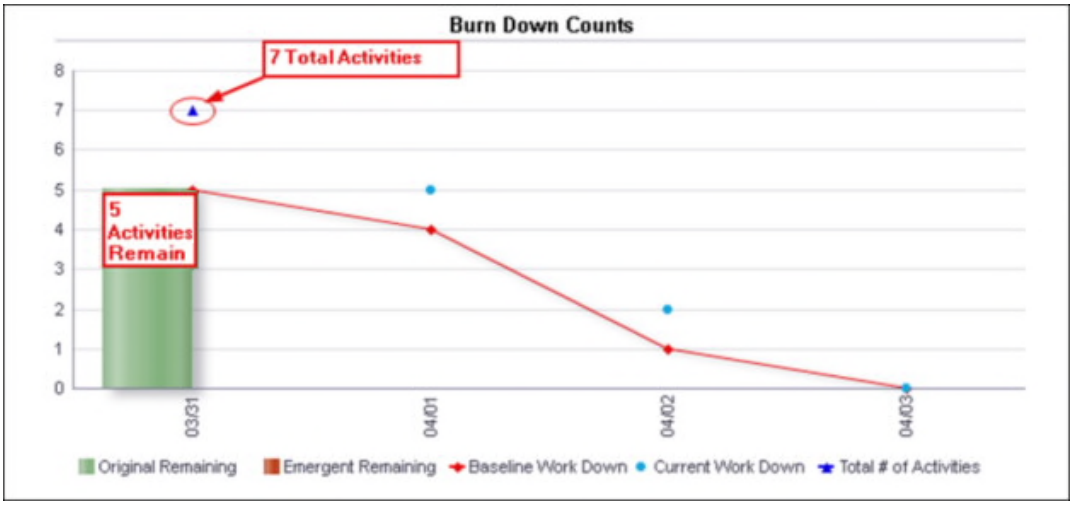
Calendar Date	Activity Name	Baseline Remaining Units Burn	Remaining Units Burn	Actual Units Burn	Total Units
03/31/2013	Completed Before Outage Project Snapshot			10	10
	Completed Day of Outage Project Snapshot			10	10
	Completed Late on Day 3 of Outage	10	10		10
	Completed as Scheduled on Day 1 of Outage	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.

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

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
03/31/2013	Completed Before Outage Project Snapshot	No Metrics							
	Completed Day of Outage Project Snapshot					1	1		1
	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			1	
	Started before Outage Project Snapshot Spanning into Outage			1	1			1	
03/31/2013 Total		**3**	**3**	**2**	**2**	**1**	**1**	**5**	**1**

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

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

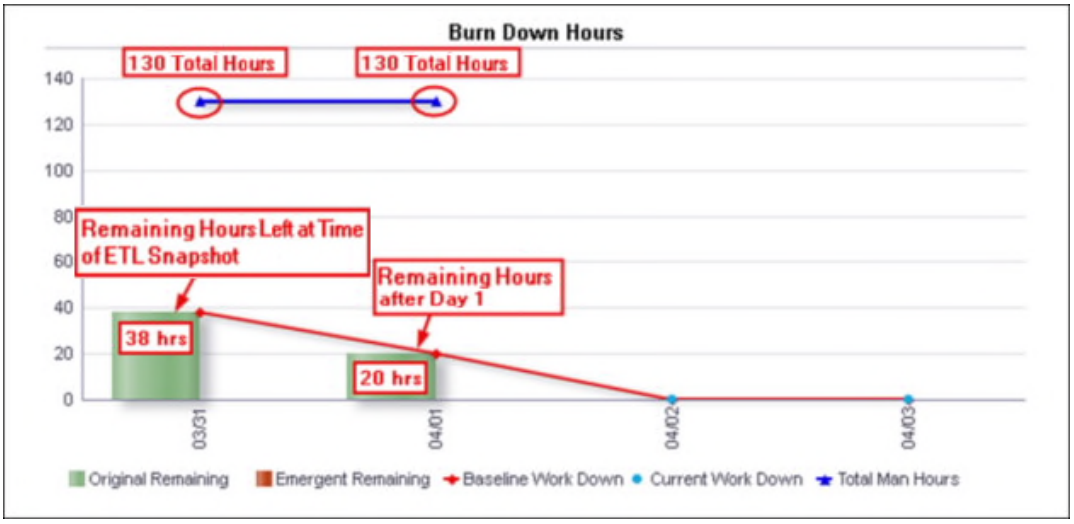
- Started before Outage Project Snapshot Spanning into Outage - AC2
  - Status: Complete
  - Actual Units: 50 (2 today)
  - Remaining Units: 0
- Pre-Outage Work Spanning into Outage - AC4
  - Status: Complete
  - Actual Units: 30 (6 today)
  - Remaining Units: 0
- Completed as Schedule on Day 1 of Outage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

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

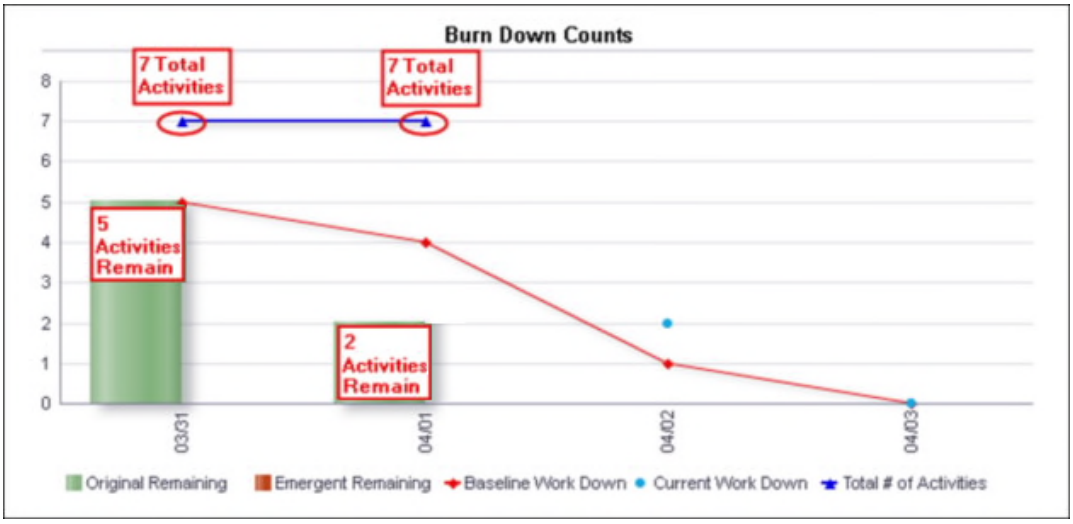
Calendar Date	Activity Name	Baseline Remaining Units Burn	Remaining Units Burn	Actual Units Burn	Total Units
04/01/2013	Completed Before Outage Project Snapshot			10	10
	Completed Day of Outage Project Snapshot			10	10
	Completed Late on Day 3 of Outage	10	10		10
	Completed as Scheduled on Day 1 of Outage			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.

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

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

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	

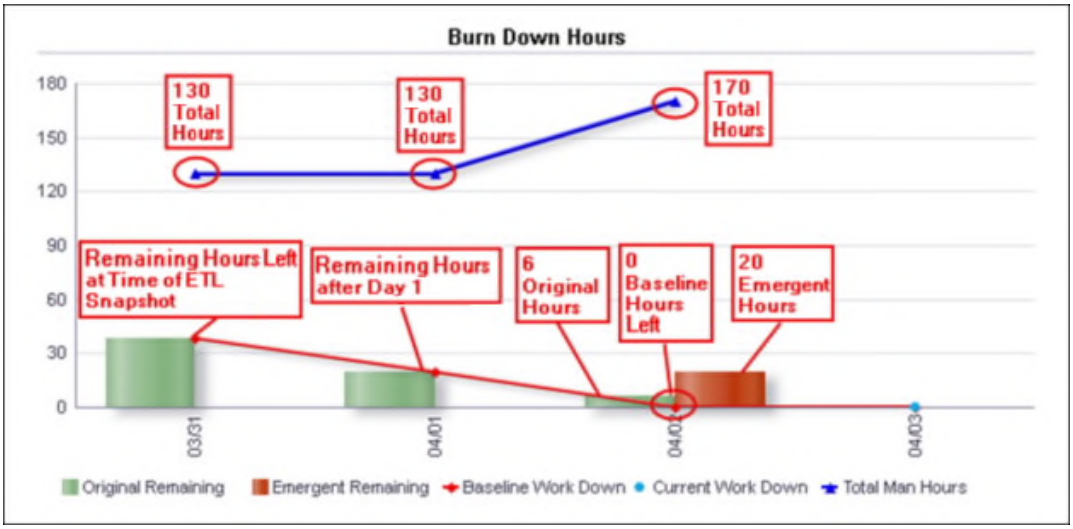
- Completed Late on Day 3 of Outage - AC6
  - Status: In-progress
  - Actual Units: 24 (24 today)
  - Remaining Units: 6
  - Planned: 10
- Emergent Activity A on Day 3 of Outage - AC7
  - Status: Not Started
  - Actual Units: 0
  - Remaining Units: 0
- Emergent Activity B on Day 3 of Outage - AC8
  -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

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

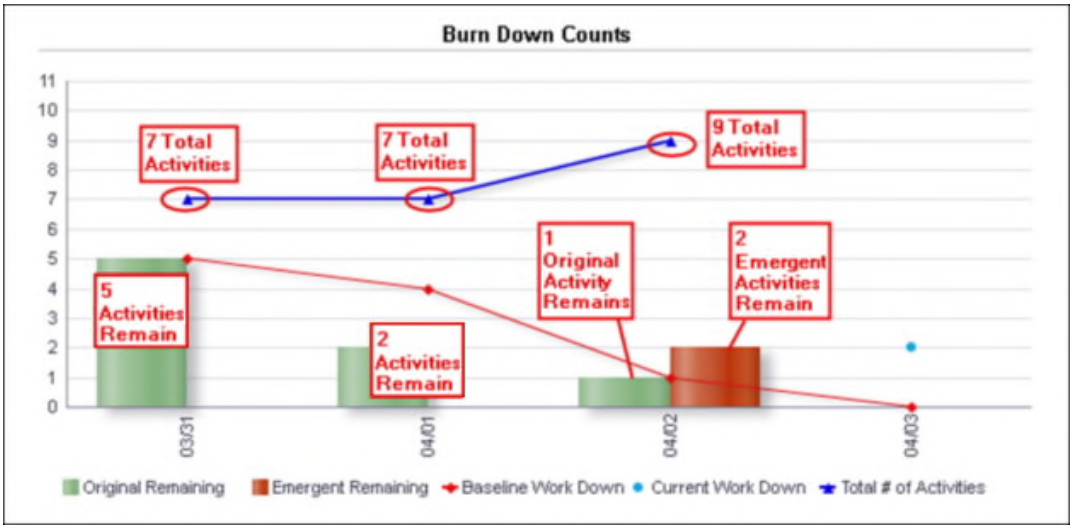
Calendar Date	Activity Name	Baseline Remaining Units Burn	Remaining Units Burn	Actual Units Burn	Total Units
04/02/2013	Completed Before Outage Project Snapshot			10	10
	Completed Day of Outage Project Snapshot			10	10
	Completed Late on Day 3 of Outage		Late ! 6	24	30
	Completed as Scheduled on Day 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.

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

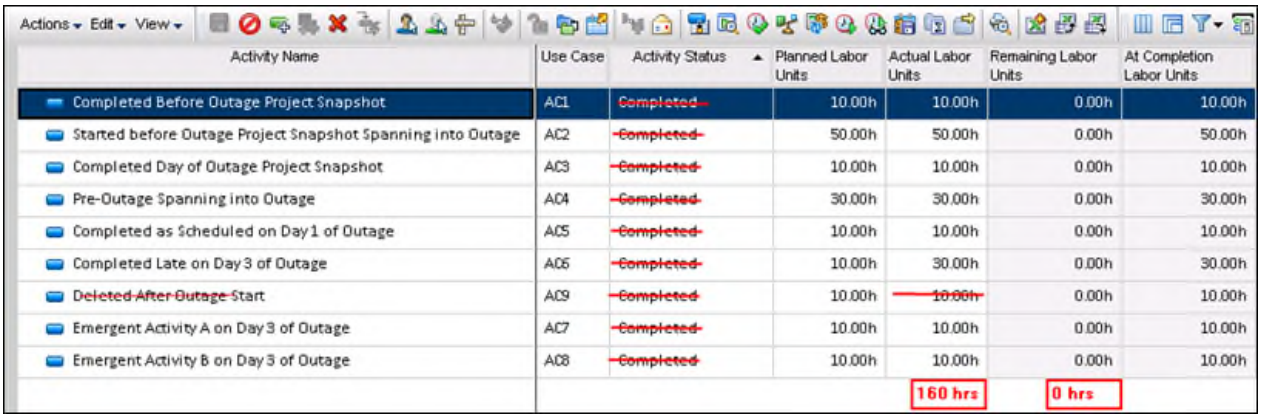
Calendar Date	Activity Name	Baseline Not Started Count	Not Started Count	Baseline In Progress Count	In Progress Count	Baseline Completed Count	Completed Count	Non-Emergent Remaining Count	Scheduled and Completed Count
04/02/2013	Completed Before Outage Project Snapshot								
	Completed Day of Outage 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



Activity Name	Use Case	Activity Status	Planned Labor Units	Actual Labor Units	Remaining Labor Units	At Completion Labor Units
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
Completed Late on Day 3 of Outage	AC6	Completed	10.00h	30.00h	0.00h	30.00h
Deleted After Outage Start	AC9	Completed	10.00h	10.00h	0.00h	10.00h
Emergent Activity A on Day 3 of Outage	AC7	Completed	10.00h	10.00h	0.00h	10.00h
Emergent Activity B on Day 3 of Outage	AC8	Completed	10.00h	10.00h	0.00h	10.00h
				160 hrs	0 hrs	

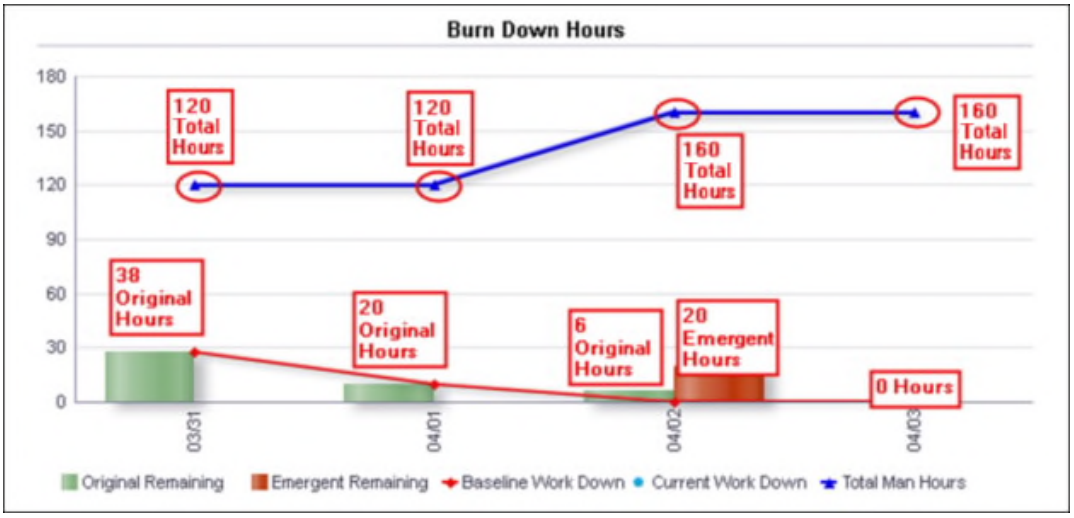
- Emergent Activity B on Day 3 of Outage - AC6
  - Status: Complete
  - Actual Units: 10
  - Remaining Units: 0
- Emergent Activity A on Day 3 of Outage - AC7
  - Status: Complete
  - Actual Units: 30 (6 today)
  - Remaining Units: 0
- Emergent Activity A on Day 3 of Outage - AC8
  - Status: Complete
  - 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.

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

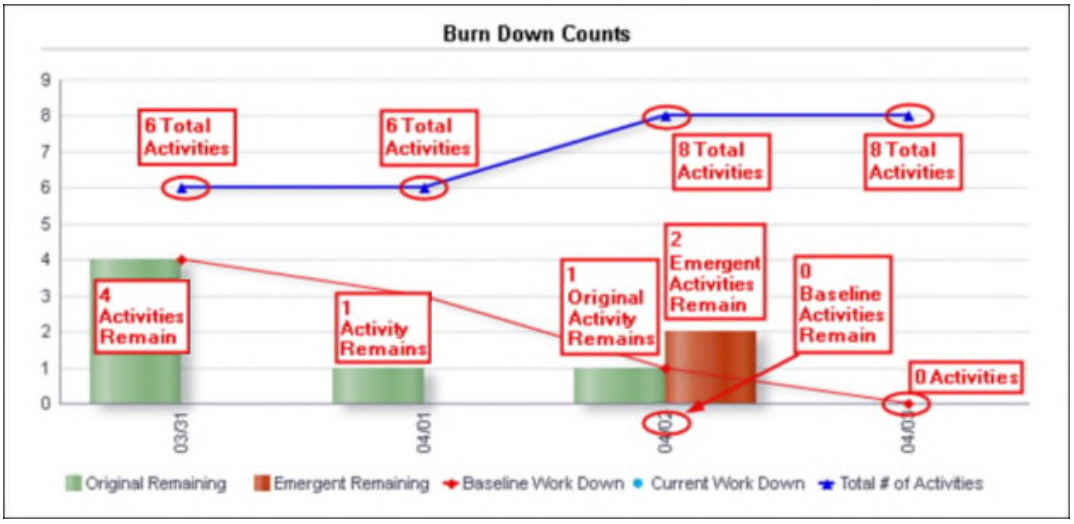
Calendar Date	Activity Name	Baseline Remaining Units Burn	Remaining Units Burn	Actual Units Burn	Total Units
04/03/2013	Completed Before Outage Project Snapshot			10	10
	Completed Day of Outage Project Snapshot			10	10
	Completed Late on Day 3 of Outage			30	30
	Completed as Scheduled on Day 1 of Outage			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.

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

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