Legal Notices

Oracle Primavera P6 Analytics Sample Dashboards Reference Manual

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Preface

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Where to Get Documentation

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

http://download.oracle.com/docs/cd/E38975_01/index.htm

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

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

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

<table>
<thead>
<tr>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>What's New in P6 Analytics</td>
<td>This guide highlights the new and enhanced features included in this release. You can also use the Cumulative Feature Overview Tool to identify the features that have been added since a specific release level. All users should read this guide.</td>
</tr>
<tr>
<td>P6 Analytics and P6 Reporting Database Planning and Sizing Guide</td>
<td>This guide details how to plan your installation and ensures you have the necessary technical specifications to successfully install P6 Analytics and P6 Reporting Database. It also includes checklists for P6 Analytics and P6 Reporting Database to help guide you through the installation. All administrators should read this guide.</td>
</tr>
<tr>
<td>Title</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>-------------</td>
</tr>
<tr>
<td>P6 Analytics and Star Database Installation and Configuration Guide</td>
<td>This guide gives step-by-step instructions for installing and configuring P6 Analytics and the Star database portion of P6 Reporting Database. This guide provides information about P6 Analytics administrative tasks. It also includes information for Star security configuration, OBI installation and configuration, Financial Periods installation and configuration, and for configuring the Secure Sockets layer. All administrators should read this guide.</td>
</tr>
<tr>
<td>P6 Reporting Database for ODS Installation and Configuration Guide</td>
<td>This guide explains how to install and configure the ODS portion of P6 Reporting Database. It describes how to install and configure the Oracle Gateway if the P6 Reporting Database is installed on a Microsoft SQL Server. It also provides information about how to run the Configuration Utility and configure P6 Reporting Database with BI Publisher. All administrators should read this guide.</td>
</tr>
<tr>
<td>P6 Analytics Sample Dashboards Reference Manual</td>
<td>This manual details sample data delivered with P6 Analytics. It includes details on the purpose, location, and subject areas associated with the sample dashboards. It also tells users how to get started with P6 Analytics. All non-administrator users should read this guide.</td>
</tr>
<tr>
<td>P6 EPPM and P6 Analytics 3.1 System Architecture Data Sheet</td>
<td>The data sheet provides information on P6 EPPM, P6 Analytics, and P6 Reporting Database. It also provides a diagram to show how all products work together. All administrators should read this guide.</td>
</tr>
<tr>
<td>Security Guidance for P6 Analytics and P6 Reporting Database</td>
<td>Use this guide to plan your security strategy for P6 Analytics and P6 Reporting Database. It includes information on safe deployments, authentication options, and specific security settings for the Star and ODS database. All administrators should read this guide.</td>
</tr>
<tr>
<td>Tested Configurations</td>
<td>Lists the configurations that have been tested and verified to work with P6 Analytics. The network administrator/database administrator and P6 Analytics administrator should read this document.</td>
</tr>
</tbody>
</table>
Distributing Information to the Team

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

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

Where to Get Training

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

http://education.oracle.com

Where to Get Support

Access to Oracle Support

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

Using Primavera's Support Resource Centers

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

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

PICs also provide access to:

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

For more information about working with Support, visit https://support.oracle.com/epmos/faces/DocumentDisplay?id=888813.2
The intent of this document is to demonstrate the ways that P6 Analytics can present data. The sample data is from multiple sources and is intended for illustration only. Data and descriptions are part of the P6 Analytics sample catalog and therefore may not reflect your environment. You can use the sample catalog and the Star database to replicate these analyses.

The samples are intended to provide you with a general understanding of P6 Analytics and Oracle Business Intelligence (OBI). It is expected that in many cases, customers will customize both content and layout to their specific requirements.

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

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

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

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### About P6 Analytics

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

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

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

Use P6 Analytics to:

- Perform root-cause analysis and employ management-by-exception.
- Gather critical insights into current and historical performance of all projects, programs, and portfolios.
- Make better decisions to eliminate project failure.
Getting Started

- Quickly visualize critical project performance in early stages.
- Predict and identify cost trends early in the project life cycle to rescue troubled projects.
- Gain visibility into resource performance through s-curves. With interactive dashboards, you can drill down to examine the root-cause of a problem.
- Show staffing needs by portfolio with early warning indicators for upcoming under-staffed project work.
- Use geospatial visualization to view project, activity, and resource data metrics by geographic location with full drill-down capabilities.

Performance Data

P6 Analytics provides a Repository Definition (.rpd) file to use with the OBI suite. The .rpd file contains:

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

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

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

Prerequisites to Use Analytics

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

- P6 EPPM must be installed.
- Publishing must be switched on in P6.
- You must have module access to P6 Analytics in P6.
- OBI must be installed.
- You must be an OBI user.
- Your OBI user name must match your P6 user name.
- The catalog must be installed.
- The ETL Process must be run to update the Analytics data. Work with your administrator to determine the optimal time to run this process.

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

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

About Subject Areas

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

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

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

The following are the subject areas supported by P6 Analytics:

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

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

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

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

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

- **Primavera - Project User Defined Fields**
  Use this subject area to analyze project UDF data for cost, integer, or number types. This subject area requires UDF configuration using the ETL process.

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

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

- **Primavera - Resource Assignment User Defined Fields**
  Use this subject area to analyze resource assignment UDF data for cost, integer, or number types. This subject area requires UDF configuration using the ETL process.

- **Primavera - Resource User Defined Fields**
  Use this subject area to analyze resource UDF data for cost, integer, or number types. This subject area requires user defined field configuration using the ETL process.

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

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

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

### About Dashboards

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

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

The following is a list of the sample dashboards included with the sample catalog. These can be tailored according to your business needs.
Main
This dashboard provides high level insight into schedule progress, costs, and risks. You can find information here about the progress of Early Stage projects, the percentage of overallocated resources, and world maps showing the distribution of costs and risks.

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

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

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

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

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

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

Logging in to OBI and Navigating to Dashboards

1) Enter the URL for OBI in a web browser.
   For example, http://localhost:9704/analytics.

2) Enter your User ID and Password.

   Note: The username and password for the sample Star database are both demouser.

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

Editing Sample Analyses

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

For more information on editing sample analyses, see the OBI documentation.
To edit sample analyses:
1) In OBI, click Catalog.
2) In the Folders pane, expand Shared Folders, Primavera, Dashboards.
3) Click a dashboard to view a list of analyses.
4) Click Edit for one of the analyses.
5) Roll over an analysis and click the Properties icon which appears.
6) Select Edit Analysis from the Properties menu.
7) Edit the analysis as necessary and click Save.

Creating Analyses

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

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

Main Dashboard

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

Overview Page

This page shows an overview of behind schedule and over budget early stage projects. The overallocation of resources and a scorecard lists some vital information about your projects.
Three narratives show the Overall Cost Variance, the percentage of total projects which are over budget, and the percentage of projects behind schedule.

![Cost Variance, Projects over Budget, Projects behind Schedule](image)

**Early Stage Projects behind Schedule Section**

**Purpose**

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

This stacked line-bar graph shows:
- A stacked bar for each project showing the Remaining Units and Completed Units
- A line showing % Delay

The x-axis shows project names. The y-axis for the bars, on the left, shows at complete units. The y-axis for the line, on the right, shows percentage delay.

**Location**

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

**Subject Areas**

Activity
Purpose

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

This stacked line-bar graph shows:

- A stacked bar for each project showing Remaining Total Cost and Actual Total Cost
- A line showing Cost Overrun %

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

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 over Budget section.

Subject Areas

Activity
% of Overallocated Resources Section

5% of all resources are over allocated.

Purpose
This narrative shows the percentage of resources with overallocated units (for example, where remaining units is greater than the resource limit) as a percentage of total resources.

This stacked vertical bar graph shows a stacked bar for each resource showing Remaining Units and Overallocated units.

The x-axis shows resources. 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 Overview page.
4) On the Overview page, expand the % of Overallocated Resources section.

Subject Areas
Resource Utilization
**Portfolio Summary Section**

<table>
<thead>
<tr>
<th>Portfolio Name</th>
<th>Actual</th>
<th>At Completion</th>
<th>Budgeted</th>
<th>Variance</th>
<th>Actual</th>
<th>At Completion</th>
<th>Budgeted</th>
<th>Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Key Projects over $500K</td>
<td>$5,148,057</td>
<td>$31,841,955</td>
<td>$31,705,795</td>
<td>$134,770</td>
<td>67,583</td>
<td>367,979</td>
<td>356,559</td>
<td>1,420</td>
</tr>
<tr>
<td>Energy Projects</td>
<td>$1,506,577</td>
<td>$3,721,424</td>
<td>$3,649,739</td>
<td>$71,695</td>
<td>17,630</td>
<td>46,573</td>
<td>45,177</td>
<td>956</td>
</tr>
<tr>
<td>Construction Projects</td>
<td>$1,448,396</td>
<td>$14,223,340</td>
<td>$14,179,582</td>
<td>$43,758</td>
<td>26,504</td>
<td>155,524</td>
<td>139,524</td>
<td>639</td>
</tr>
<tr>
<td>Corporate Projects</td>
<td>$1,259,952</td>
<td>$6,644,477</td>
<td>$6,516,461</td>
<td>$130,016</td>
<td>9,282</td>
<td>54,762</td>
<td>54,452</td>
<td>310</td>
</tr>
<tr>
<td>Proposed Corporate Programs</td>
<td>$1,259,952</td>
<td>$6,644,477</td>
<td>$6,516,461</td>
<td>$130,016</td>
<td>9,282</td>
<td>54,762</td>
<td>54,452</td>
<td>310</td>
</tr>
<tr>
<td>Manufacturing Projects</td>
<td>$1,088,992</td>
<td>$5,321,193</td>
<td>$5,295,480</td>
<td>$25,712</td>
<td>31,039</td>
<td>82,305</td>
<td>92,374</td>
<td>-93</td>
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<tr>
<td>Proposals for Next Year</td>
<td>$5,040,231</td>
<td>$5,040,231</td>
<td>$5,040,231</td>
<td>0</td>
<td>35,550</td>
<td>35,550</td>
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<td>0</td>
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<tr>
<td>IT Portfolio</td>
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<td>$6,127,749</td>
<td>-$9,624</td>
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<td>46,536</td>
<td>46,423</td>
<td>-87</td>
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<tr>
<td>Key Sample Projects</td>
<td>$1,888,128</td>
<td>$7,087,771</td>
<td>$7,152,157</td>
<td>-$64,385</td>
<td>22,571</td>
<td>90,204</td>
<td>85,595</td>
<td>609</td>
</tr>
<tr>
<td>Product Dev Projects</td>
<td>$1,068,847</td>
<td>$7,818,579</td>
<td>$7,962,181</td>
<td>-$143,602</td>
<td>9,956</td>
<td>53,785</td>
<td>53,836</td>
<td>-85</td>
</tr>
</tbody>
</table>

**Purpose**

This pivot table shows costs and units for each portfolio. Negative figures are highlighted in red text.

The pivot table shows columns for:
- Actual Cost
- At Completion Cost
- Budgeted Cost
- Cost Variance
- Actual Units
- At Completion Units
- Budgeted Units
- Variance Units

**Location**

1. On the Home page, click Dashboards.
3. On the Resource Analysis dashboard, click the Overview page.
4. On the Overview page, expand the Portfolio Summary section.

**Subject Areas**

Activity

**Location Page**

This page provides At Completion Total Cost information per project, by country code.
Completion Cost by Location Section

Purpose

This map shows Cost Variance Index by country code when zoomed out to country level. White areas of the map indicate that no project is located in that area.
Switch off the Cost Variance Index (Cost) (Color Fill) option below COUNTRY_CODE to remove the shading. Zoom in and out with the control on the left and hover over a country, state, or province to see specific information and for a link to the country code which will filter the table and vertical bar graph.

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

For each project, the table shows:
- City Name
- At Completion Labor Cost
- At Completion Nonlabor Cost
- At Completion Material Cost
- At Completion Expense Cost
- At Completion Total Cost

This vertical bar graph shows bars for each project showing:
- At Completion Labor Cost
- At Completion Nonlabor Cost
- At Completion Material Cost
- At Completion Total Cost

The x-axis lists the projects. The y-axis shows cost.

**Location**

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

**Subject Areas**

Activity

**Risk Page**

This page shows the risk exposure for each project by country code, as well as a breakdown of projects by country, detailing the Risk Score, Risk Exposure, Risk Type, and Risk Status of each project.
Risk Exposure by Location Section

Purpose

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

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

This horizontal bar graph shows a bar for each country showing Risk Exposure $. 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 names.
Location
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Main**.
3) On the **Main** dashboard, click the **Risk** page.
4) On the **Risk** page, expand the **Risk Exposure by Location** section.

Subject Areas
Project History

### Detailed Risk by Location Section

<table>
<thead>
<tr>
<th>Country</th>
<th>Project Id</th>
<th>Risk Score</th>
<th>Risk Exposure</th>
<th>Risk Name</th>
<th>Risk Type</th>
<th>Risk Status</th>
<th>Link to Risks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>EC00010</td>
<td>195.00</td>
<td>$294,975</td>
<td>Concrete supply constrained</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Site access restricted for 2 weeks</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Weather delay due to unusually wet weather</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>China</td>
<td>PR0000414</td>
<td>42.00</td>
<td>$61,963</td>
<td>External Business Impacts</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Product Scope</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
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</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td>Product Technological Complexity</td>
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<td>Project Risks</td>
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<td>Threat</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sales Management Baysen</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Staff Turnover</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Unrealistic Expections</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Spain</td>
<td>MP020772</td>
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<td>$47,250</td>
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<td>Project Risks</td>
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<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Production delays</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Line debugging issues</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>IT00051</td>
<td>39.00</td>
<td>$56,975</td>
<td>External Business Impacts</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td>Scope Change</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Staff Management/Baysen</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Unrealistic Expections</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States of America</td>
<td>MP020872</td>
<td>112.00</td>
<td>$43,725</td>
<td>Difficulty troubleshooting alarm issues</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Extensive Leak repair</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Lack of skilled labor</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
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<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Valve installation issues</td>
<td>Threat</td>
<td>Active</td>
<td>Project Risks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threat</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Purpose**

This pivot table shows detailed risk information for each country broken down by project. For each project, the pivot table shows:

- Risk Score
- Risk Exposure
- Risk Names
- Risk Types
- Risk Statuses
- A link to the risks in P6 EPPM
**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 **Detailed Risk by Location** section.

**Subject Areas**

Activity

---

**Portfolio Analysis Dashboard**

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

**Overview Page**

This page shows projects sorted by either Financial and Strategic Ratings or Proposed versus Committed Costs. You can also find the At Completion Total Cost of a project by its sponsor.

**Project Investment Map Section**

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

**Location**

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

**Subject Areas**

Activity

### Proposed vs. Committed Cost Section

<table>
<thead>
<tr>
<th>Sponsor</th>
<th>Australia</th>
<th>Baytown</th>
<th>Brazil</th>
<th>China</th>
<th>Dallas</th>
<th>Europe</th>
<th>Houston</th>
<th>India</th>
<th>Latin America</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brian Perry</td>
<td>$219,312</td>
<td></td>
<td></td>
<td></td>
<td>$1,400,997</td>
<td>$188,031</td>
<td>$396,850</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crie Richards</td>
<td>$463,878</td>
<td></td>
<td></td>
<td></td>
<td>$1,444,822</td>
<td>$1,095,983</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elen McMichael</td>
<td>$61,300</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$1,095,526</td>
<td></td>
<td></td>
</tr>
<tr>
<td>James Wong</td>
<td></td>
<td>$2,524,001</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$321,983</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kim Forbes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$250,895</td>
<td></td>
<td>$2,300,217</td>
</tr>
<tr>
<td>Lance Pederson</td>
<td></td>
<td>$465,127</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$673,597</td>
<td></td>
<td>$673,149</td>
</tr>
<tr>
<td>Mitz Allen</td>
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<td>$5,095,177</td>
<td>$376,999</td>
<td></td>
<td></td>
<td></td>
<td>$550,470</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Thompson</td>
<td></td>
<td></td>
<td>$618,457</td>
<td></td>
<td>$1,149,764</td>
<td>$873,561</td>
<td>$1,025,299</td>
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<tr>
<td>Scott Forsyth</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$2,003,780</td>
<td></td>
<td>$767,300</td>
</tr>
<tr>
<td>Vladimir Popov</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$476,803</td>
<td></td>
<td>$2,530,975</td>
</tr>
</tbody>
</table>

**Purpose**

This pivot table is grouped by one project code on the left and split out by another project code across the top.
The pivot table shows:

- Proposed Cost in blue italics
- Committed Cost in black

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.

**Location**

1. On the **Home** page, click **Dashboards**.
2. Under **Primavera**, select **Portfolio Analysis**.
3. On the **Portfolio Analysis** dashboard, click the **Overview** page.
4. On the **Overview** page, expand the **Proposed vs. Committed Cost** section.

**Subject Areas**

**Activity**

**Project Performance by Sponsor Section**

![Stacked horizontal bar graph](image)

**Purpose**

This stacked horizontal bar graph shows stacked bars plotting the At Completion Total Cost per sponsor. Each band on a bar represents a different project and bands are colored according to their project score, which is a measure of their performance. Blue bands represent projects with a project score of more than 65; red bands represent poorly performing projects, which are those where the project score is less than 65.
The x-axis shows Investment. The y-axis is the project Sponsor. Hover the cursor over the band for specific data and click on the band to drill down to see more information about the project.

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

**Subject Areas**
Activity

---

**Performance Page**

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

---

**Portfolio Analysis Trending Section**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Projects</td>
<td>0.901</td>
<td>0.934</td>
<td>0.940</td>
<td>0.938</td>
<td>0.964</td>
<td>1.078</td>
<td>0.958</td>
<td></td>
</tr>
<tr>
<td>Corporate Projects</td>
<td>1.019</td>
<td>1.076</td>
<td>0.935</td>
<td>0.927</td>
<td>1.055</td>
<td>1.033</td>
<td>0.983</td>
<td>1.008</td>
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<td>Energy Projects</td>
<td>0.970</td>
<td>0.961</td>
<td>1.018</td>
<td>0.921</td>
<td>0.975</td>
<td>0.934</td>
<td>1.024</td>
<td>0.970</td>
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<td>IT Portfolio</td>
<td>1.019</td>
<td>0.968</td>
<td>0.988</td>
<td>1.045</td>
<td>0.948</td>
<td>1.425</td>
<td>1.083</td>
<td>0.836</td>
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<tr>
<td>Key Projects over $500K</td>
<td>0.923</td>
<td>0.962</td>
<td>0.914</td>
<td>0.930</td>
<td>1.062</td>
<td>1.094</td>
<td>0.738</td>
<td>0.707</td>
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<td>Key Sample Projects</td>
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<td>1.017</td>
<td>0.946</td>
<td>0.935</td>
<td>1.043</td>
<td>1.071</td>
<td>0.670</td>
<td>0.736</td>
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<td>Manufacturing Projects</td>
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<td>0.961</td>
<td>0.971</td>
<td>0.955</td>
<td>1.112</td>
<td>1.197</td>
<td>0.427</td>
<td>0.455</td>
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<tr>
<td>Product Dev Projects</td>
<td>0.862</td>
<td>0.967</td>
<td>1.019</td>
<td>0.965</td>
<td>0.963</td>
<td>1.038</td>
<td>0.561</td>
<td>1.014</td>
</tr>
<tr>
<td>Proposed Corporate Programs</td>
<td>1.019</td>
<td>1.076</td>
<td>0.938</td>
<td>0.927</td>
<td>1.055</td>
<td>1.033</td>
<td>0.983</td>
<td>1.006</td>
</tr>
</tbody>
</table>

**Purpose**

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

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

Activity

**Portfolio View Section**

<table>
<thead>
<tr>
<th>Portfolio Name</th>
<th>Cost</th>
<th>Actual</th>
<th>At Completion</th>
<th>Budgeted</th>
<th>Variance</th>
<th>Units</th>
<th>Actual</th>
<th>At Completion</th>
<th>Budgeted</th>
<th>Variance</th>
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</thead>
<tbody>
<tr>
<td>Key Projects over $500K</td>
<td>$5,148,867</td>
<td>$31,841,565</td>
<td>$31,706,795</td>
<td>$31,706,795</td>
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<td>67,693</td>
<td>367,978</td>
<td>385,559</td>
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<td>Energy Projects</td>
<td>$1,506,577</td>
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<td>$3,649,739</td>
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<td>17,630</td>
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<tr>
<td>Construction Projects</td>
<td>$1,448,966</td>
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<td>$14,179,582</td>
<td>$3,758</td>
<td>20,504</td>
<td>155,524</td>
<td>194,824</td>
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<td>$6,816,461</td>
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<td>54,762</td>
<td>54,452</td>
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<tr>
<td>Proposed Corporate Programs</td>
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<td>$6,846,477</td>
<td>$6,816,461</td>
<td>$6,816,461</td>
<td>$30,016</td>
<td>5,282</td>
<td>54,762</td>
<td>54,452</td>
<td>310</td>
<td></td>
</tr>
<tr>
<td>Manufacturing Projects</td>
<td>$1,089,992</td>
<td>$5,221,193</td>
<td>$5,295,489</td>
<td>$5,295,489</td>
<td>$25,712</td>
<td>31,029</td>
<td>82,395</td>
<td>92,374</td>
<td>-69</td>
<td></td>
</tr>
<tr>
<td>Proposals for Next Year</td>
<td>$5,040,231</td>
<td>$5,040,231</td>
<td>$5,040,231</td>
<td>$5,040,231</td>
<td>0</td>
<td>35,950</td>
<td>35,950</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IT Portfolio</td>
<td>$555,374</td>
<td>$6,118,124</td>
<td>$6,127,479</td>
<td>$6,127,479</td>
<td>-$3,262</td>
<td>5,221</td>
<td>46,338</td>
<td>46,423</td>
<td>-87</td>
<td></td>
</tr>
<tr>
<td>Key Sample Projects</td>
<td>$1,888,128</td>
<td>$7,087,771</td>
<td>$7,152,157</td>
<td>$7,152,157</td>
<td>-$64,385</td>
<td>22,571</td>
<td>90,204</td>
<td>89,595</td>
<td>609</td>
<td></td>
</tr>
</tbody>
</table>

Purpose

This pivot table shows cost and units for each portfolio. Negative figures are highlighted in red text.

The pivot table shows columns for:

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

Location

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

Subject Areas

Activity
**Prioritization Page**

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

**Risk vs. Reward Section**

![Risk vs. Reward Chart]

- **Low Risk, High Reward**
- **Low Risk, Low Reward**
- **High Risk, High Reward**
- **High Risk, Low Reward**

<table>
<thead>
<tr>
<th>Project Priority</th>
<th>Project Name</th>
<th>Current Budget</th>
<th>Strategic Rating Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Mandatory</td>
<td>Order Fulfillment Phase II</td>
<td>$500,000</td>
<td>4 Mission Critical</td>
</tr>
<tr>
<td></td>
<td>Nexus Project</td>
<td>$1,150,000</td>
<td>4 Mission Critical</td>
</tr>
<tr>
<td></td>
<td>Nestle Building Expansion</td>
<td>$630,000</td>
<td>2 Moderate Alignment</td>
</tr>
<tr>
<td></td>
<td>Project Swordfish</td>
<td>$200,000</td>
<td>5 Legal - Regulatory</td>
</tr>
<tr>
<td></td>
<td>eBusiness Transformation Program</td>
<td>$1,650,000</td>
<td>5 Legal - Regulatory</td>
</tr>
<tr>
<td></td>
<td>Zenith Continuity Program</td>
<td>$625,000</td>
<td>5 Legal - Regulatory</td>
</tr>
<tr>
<td></td>
<td>Johnstown - Routine Maintenance Work</td>
<td>$677,000</td>
<td>2 Moderate Alignment</td>
</tr>
<tr>
<td></td>
<td>Easttown, TX - Offline Maintenance Work</td>
<td>$65,000</td>
<td>2 Moderate Alignment</td>
</tr>
<tr>
<td></td>
<td>Buckingham - Nuclear Outage Work</td>
<td>$65,000</td>
<td>2 Moderate Alignment</td>
</tr>
<tr>
<td></td>
<td>Silversville - Refuel Outage</td>
<td>$550,000</td>
<td>4 Mission Critical</td>
</tr>
<tr>
<td>2 High Priority</td>
<td>Cash Flow BI Project</td>
<td>$25,000</td>
<td>4 Mission Critical</td>
</tr>
<tr>
<td></td>
<td>Algorithm Modification Project</td>
<td>$1,100,000</td>
<td>4 Mission Critical</td>
</tr>
<tr>
<td></td>
<td>Magna PdF Product Test</td>
<td>$300,000</td>
<td>5 Strong Alignment</td>
</tr>
<tr>
<td>3 Medium Priority</td>
<td>Alliance Portal Integration Project</td>
<td>$575,000</td>
<td>3 Strong Alignment</td>
</tr>
<tr>
<td></td>
<td>Katalyst Visualization</td>
<td>$1,025,000</td>
<td>3 Strong Alignment</td>
</tr>
<tr>
<td></td>
<td>Saratoga Senior Community</td>
<td>$4,000,000</td>
<td>3 Strong Alignment</td>
</tr>
<tr>
<td></td>
<td>Claims Processing Upgrade</td>
<td>$258,000</td>
<td>3 Strong Alignment</td>
</tr>
<tr>
<td></td>
<td>KR33000 Replacement Project</td>
<td>$500,000</td>
<td>3 Strong Alignment</td>
</tr>
<tr>
<td></td>
<td>Hematofix Program</td>
<td>$1,500,000</td>
<td>2 Moderate Alignment</td>
</tr>
<tr>
<td></td>
<td>Plasma Product Launch</td>
<td>$375,000</td>
<td>1 Weak Alignment</td>
</tr>
</tbody>
</table>
Purpose
This bubble graph plots projects according to their Financial Rating and risk. Bubbles in the red quadrant of the bubble graph have a low financial rating (reward) and a high risk while those in the white quadrant have a low risk but offer a high reward. Risk in this case is a project code and is not related to P6 EPPM risks functionality.

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

This pivot table groups projects according to their Project Priority.

The pivot table shows columns for:
- Project Priority
- Current Budget
- Strategic Rating

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

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

Subject Areas
Activity
Project Initiation Section

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

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

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

Subject Areas
Activity
Rating Section

Purpose
Each axis of this radar graph shows a separate project code. Each colored line on the graph represents a separate project.

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

Subject Areas
Activity
Purpose

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

The pivot table shows columns for:

- Project 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.
Objectives Page

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

Investment by Strategic Objective Section

![Pie chart showing investment breakdown by strategic objective](image)

Purpose

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

Location

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

Subject Areas

Activity
Project Performance by Strategic Objective Section

**Improved Customer Satisfaction**

- Chris Richards
- Ellen McVicar
- James Wong
- Mitch Allen
- Scott Forsyth
- Vladimir Popov

**Increased Customer Retention**

- Lance Pederson
- Mitch Allen
- Reid Thompson
- Vladimir Popov
Purpose

These stacked horizontal bar graphs show a stacked bar for each resource showing At Completion Total Cost for projects. Each graph shows data for a different set of projects, selected by a project code. Each color 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 Sponsors.

Location

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

Subject Areas

Activity

Project Earned Value Dashboard

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

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

Earned Value Section

<table>
<thead>
<tr>
<th>Year</th>
<th>Quarter</th>
<th>Month</th>
<th>Actual Total Cost</th>
<th>AC (Cum)</th>
<th>Earned Value Cost</th>
<th>PV (Cum)</th>
<th>Planned Value Cost</th>
<th>EAC (Cum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>Q4</td>
<td>10</td>
<td>$706,573</td>
<td>$706,573</td>
<td>$745,119</td>
<td>$745,119</td>
<td>$705,342</td>
<td>$705,342</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11</td>
<td>$705,421</td>
<td>$745,119</td>
<td>$745,119</td>
<td>$705,342</td>
<td>$705,342</td>
<td>$705,342</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12</td>
<td>$1,081,833</td>
<td>$2,571,827</td>
<td>$1,057,489</td>
<td>$2,547,249</td>
<td>$1,031,239</td>
<td>$2,504,206</td>
</tr>
<tr>
<td>2013</td>
<td>Q1</td>
<td>1</td>
<td>$1,003,825</td>
<td>$3,635,852</td>
<td>$1,040,797</td>
<td>$3,506,946</td>
<td>$1,031,282</td>
<td>$3,497,288</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
<td>$601,655</td>
<td>$4,517,937</td>
<td>$604,145</td>
<td>$4,430,105</td>
<td>$504,092</td>
<td>$4,502,787</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>$607,540</td>
<td>$5,454,383</td>
<td>$606,550</td>
<td>$5,358,791</td>
<td>$602,810</td>
<td>$5,304,250</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td>$1,128,542</td>
<td>$6,583,775</td>
<td>$546,705</td>
<td>$6,383,497</td>
<td>$1,065,690</td>
<td>$6,575,863</td>
</tr>
</tbody>
</table>

Purpose

This line-bar graph shows:

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

The x-axis is year-month. The y-axis for bars, on the left, shows period cost. The y-axis for bars, on the right, shows cumulative cost.

This pivot table breaks down data by year, quarter, and month and shows columns for:

- Actual Total Cost
- Actual Cost (Cumulative)
- Earned Value (Cost)
- Earned Value (Cumulative)
- Planned Value (Cost)
- Planned Value (Cumulative)
- Estimate At Completion (Cost)
- Estimate At Completion (Cumulative)
Location
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Earned Value**.
3) On the **Project Earned Value** dashboard, click the **Overview** page.
4) On the **Overview** page, expand the **Earned Value** section.

Subject Areas
Activity

**Project Earned Value Breakdown Section**

![Bar Chart and Table](image-url)
Purpose

This analysis can be viewed as either a horizontal bar graph or table. Regardless of the view chosen, the data is the same.

The horizontal bar graph breaks data down 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 is the Project Manager project code. To see precise data for any bar, hover over the bar.

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

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

Location

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

Subject Areas

Activity

CPI/SPI Page

This page provides CPI and SPI information, helping you to identify which projects are over budget or behind schedule.
Scatter Diagrams by Portfolio Section
Purpose

This analysis can be viewed as a scatter graph, radar graph, or table.

The CPI/SPI Scatter graph plots each project on a scatter graph according to its SPI and CPI.

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

The SPI Radar graph plots SPI against a separate axis for each portfolio.
The **Table** breaks data down by portfolio and shows columns for:

- Project Name
- Project Score
- Cost Performance Index (Cost)
- Schedule Performance Index (Cost)
- At Completion Total 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 **CPI/SPI** page.
4) On the **CPI/SPI** page, expand the **Scatter Diagrams by Portfolio** section.

**Subject Areas**

Activity
**CPI/SPI Section**

### Purpose

This section shows:
- A line graph which plots the CPI and Cumulative CPI by month.
- A line graph which plots the SPI and Cumulative SPI by month.

The x-axis shows the month and year. The y-axis shows the CPI or SPI.

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

### Location

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

**Subject Areas**

**Activity**

**Performance Index Section**

![Bubble graph](image)

**Purpose**

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

The x-axis shows **Schedule Performance Index (Cost)**. The y-axis is **Cost Performance Index (Cost)**. 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 **Project Earned Value**.
3) On the **Project Earned Value** dashboard, click the **CPI/SPI** page.

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

**Subject Areas**

**Activity**

**Detailed Earned Value Page**

This page provides a detailed view of a project's earned value, total costs, and performance indexes, separated by month and project stage.

**Detailed Earned Value by WBS Section**

<table>
<thead>
<tr>
<th>WBS Hierarchy</th>
<th>Actual Total Cost</th>
<th>AC (Cum)</th>
<th>Earned Value Cost</th>
<th>EV (Cum)</th>
<th>Planned Value Cost</th>
<th>PV (Cum)</th>
<th>EAC (Cum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>$6,583,775</td>
<td>$6,583,775</td>
<td>$6,383,497</td>
<td>$6,383,497</td>
<td>$5,571,560</td>
<td>$5,571,560</td>
<td>$7,249,627</td>
</tr>
<tr>
<td>4G Tablet Project</td>
<td>$504,579</td>
<td>$504,579</td>
<td>$514,009</td>
<td>$514,009</td>
<td>$518,620</td>
<td>$518,620</td>
<td>$504,579</td>
</tr>
<tr>
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<td>$650,320</td>
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<td>$522,126</td>
<td>$597,189</td>
<td>$597,189</td>
<td>$554,209</td>
</tr>
<tr>
<td>Assisted Living Facility</td>
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<td>$873,544</td>
<td>$839,491</td>
<td>$839,491</td>
<td>$857,912</td>
<td>$857,912</td>
<td>$907,364</td>
</tr>
<tr>
<td>City Center Office Building Addition</td>
<td>$289,013</td>
<td>$289,013</td>
<td>$264,237</td>
<td>$264,237</td>
<td>$231,738</td>
<td>$231,738</td>
<td>$283,013</td>
</tr>
<tr>
<td>Contact Center - Enhancement &amp; Modernization</td>
<td>$1,412,027</td>
<td>$1,412,027</td>
<td>$1,253,434</td>
<td>$1,253,434</td>
<td>$1,433,894</td>
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</tr>
<tr>
<td>Data Center Consolidation</td>
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<td>$190,111</td>
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<td>$196,494</td>
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</tr>
<tr>
<td>Digitization Program</td>
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<td>$206,985</td>
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<td>$215,769</td>
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</tr>
<tr>
<td>ERP Legacy Mango</td>
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<td>$91,302</td>
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<tr>
<td>Employee Onboarding Portal</td>
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<td>$290,768</td>
<td>$290,768</td>
<td>$300,604</td>
<td>$300,604</td>
<td>$300,768</td>
</tr>
<tr>
<td>Hospitality Corporate Park</td>
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<td>$452,985</td>
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<td>$441,204</td>
<td>$447,430</td>
<td>$447,430</td>
<td>$452,985</td>
</tr>
<tr>
<td>Harbour Pointe Assisted Living Center</td>
<td>$1,244,302</td>
<td>$1,244,302</td>
<td>$1,195,493</td>
<td>$1,195,493</td>
<td>$1,263,060</td>
<td>$1,263,060</td>
<td>$1,244,302</td>
</tr>
<tr>
<td>IT Plan</td>
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<td>$79,000</td>
<td>$76,000</td>
<td>$76,000</td>
<td>$80,000</td>
<td>$80,000</td>
<td>$79,000</td>
</tr>
<tr>
<td>Jupiter Nursing Home</td>
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<td>$1,055,975</td>
<td>$1,055,975</td>
<td>$1,035,806</td>
<td>$1,035,806</td>
<td>$1,103,341</td>
</tr>
<tr>
<td>Land Quality Project</td>
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<td>$790,700</td>
<td>$763,538</td>
<td>$763,538</td>
<td>$780,528</td>
<td>$780,528</td>
<td>$790,700</td>
</tr>
<tr>
<td>Logistics - Reprogramming Program</td>
<td>$227,678</td>
<td>$227,678</td>
<td>$208,239</td>
<td>$208,239</td>
<td>$210,961</td>
<td>$210,961</td>
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</tr>
<tr>
<td>MDM Project</td>
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<td>$274,645</td>
<td>$272,166</td>
<td>$272,166</td>
<td>$263,705</td>
</tr>
<tr>
<td>Makeover - Plant Expansion &amp; Modernization</td>
<td>$2,042,975</td>
<td>$2,042,975</td>
<td>$2,032,975</td>
<td>$2,032,975</td>
<td>$2,037,050</td>
<td>$2,037,050</td>
<td>$2,042,975</td>
</tr>
<tr>
<td>Order Management &amp; Design</td>
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<td>$459,480</td>
<td>$447,681</td>
<td>$447,681</td>
<td>$439,787</td>
<td>$439,787</td>
<td>$459,480</td>
</tr>
<tr>
<td>Project Name</td>
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<td>$719,941</td>
<td>$723,941</td>
<td>$723,941</td>
<td>$714,442</td>
<td>$714,442</td>
<td>$719,941</td>
</tr>
<tr>
<td>Project Swordfish</td>
<td>$80</td>
<td>$80</td>
<td>$80</td>
<td>$80</td>
<td>$80</td>
<td>$80</td>
<td>$80</td>
</tr>
<tr>
<td>EAC (Cum)</td>
<td>$45,384</td>
<td>$45,384</td>
<td>$45,384</td>
<td>$45,384</td>
<td>$45,384</td>
<td>$45,384</td>
<td>$45,384</td>
</tr>
</tbody>
</table>

**Purpose**

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

- **Actual Total Cost**
- **Actual Cost (Cumulative)**
- **Earned Value (Cost)**
- **Earned Value (Cumulative)**
- **Planned Value (Cost)**
- **Planned Value (Cumulative)**
- **Estimate At Completion (Cost)**
- **Estimate At Completion (Cumulative)**

Use the expand/collapse control to drill down into the WBS structure.
Location
1) On the Home page, click Dashboards.
2) Under Primavera, select Project Earned Value.
3) On the Project Earned Value dashboard, click the Detailed Earned Value page.
4) On the Detailed Earned Value page, expand the Detailed Earned Value by WBS section.

Subject Areas
Activity

Project Health Dashboard

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

Overview Page

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

Project Count Section

<table>
<thead>
<tr>
<th>Project Manager</th>
<th>H CI Projects</th>
<th>H CI Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bob Thomas</td>
<td>11</td>
<td>740</td>
</tr>
<tr>
<td>Chris Pett</td>
<td>7</td>
<td>268</td>
</tr>
<tr>
<td>Jorge Lanzo</td>
<td>11</td>
<td>522</td>
</tr>
<tr>
<td>Mary Jones</td>
<td>11</td>
<td>547</td>
</tr>
<tr>
<td>Thomas Chen</td>
<td>8</td>
<td>276</td>
</tr>
</tbody>
</table>
Purpose

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

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

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

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

Location

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

Subject Areas

Activity

Overall Project Health Section
Purpose

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

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

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 Overview page.
4) On the Overview page, expand the Overall Project Health section.

Subject Areas

Activity

Cost Account Section

Purpose

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

This table breaks data down by Cost Account and orders it by Cost Variance. The table shows columns for:

- Planned Cost
- At Completion Cost
- Cost Variance

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

**Subject Areas**
Resource Assignment

**Schedule Page**

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

**Critical Activities behind Schedule Section**

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Finish Variance (hours)</th>
<th>Activity ID</th>
<th>Link to Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saratoga Senior Community</td>
<td>-812</td>
<td>EC1690</td>
<td>Project Activities</td>
</tr>
<tr>
<td>Saratoga Senior Community</td>
<td>-608</td>
<td>EC1030</td>
<td>Project Activities</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC1590</td>
<td>Project Activities</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC2350</td>
<td>Project Activities</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC2430</td>
<td>Project Activities</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC2440</td>
<td>Project Activities</td>
</tr>
<tr>
<td>Saratoga Senior Community</td>
<td>-806</td>
<td>EC1900</td>
<td>Project Activities</td>
</tr>
<tr>
<td>Saratoga Senior Community</td>
<td>-804</td>
<td>EC11410</td>
<td>Project Activities</td>
</tr>
<tr>
<td>Saratoga Senior Community</td>
<td>-803</td>
<td>EC1340</td>
<td>Project Activities</td>
</tr>
<tr>
<td>Saratoga Senior Community</td>
<td>-602</td>
<td>EC1520</td>
<td>Project Activities</td>
</tr>
</tbody>
</table>

**Purpose**

This narrative shows the percentage of critical activities which are behind schedule according to their Baseline Project Finish Date Variance.
The table is grouped by Finish Variance, high to low, and then is grouped by project. This allows you to see the activities with the highest finish variance quickly and then to see the other activities which have finish variance in the same project. This table shows columns for:

- Finish Variance (Hours)
- Activity ID
- A link to the Project Activities

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 **Schedule** page.
4) On the **Schedule** page, expand the **Critical Activities behind Schedule** section.

**Subject Areas**
Activity

### Float Path Section

<table>
<thead>
<tr>
<th>Float Path</th>
<th># of Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hydroblaster</td>
</tr>
<tr>
<td>1</td>
<td>9</td>
</tr>
<tr>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>7</td>
<td>3</td>
</tr>
<tr>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>9</td>
<td>10</td>
</tr>
</tbody>
</table>

**Purpose**

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

This vertical bar graph shows bars for each resource showing the number of activities per float path.

The x-axis is Float Path. The y-axis shows # of Activities. Hover over each bar for specific information.
Location
1) On the Home page, click Dashboards.
2) Under Primavera, select Project Health.
3) On the Project Health dashboard, click the Schedule page.
4) On the Schedule page, expand the Float Path section.

Subject Areas
Activity

Labor Performance Section

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

- Bars for the Actual and Planned labor.
- A line for the Percent of Plan labor units expressed as a percentage of baseline project labor units.

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

This pivot table groups data for each project by the activity code selected in the Labor Performance By list. The pivot table shows columns for:

- Planned (baseline project labor units)
Actual (actual labor units)

Percent of Plan (actual labor units expressed as a percentage of baseline project labor units)

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

Subject Areas
Activity

Performance vs Schedule % Section

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Schedule % Complete</th>
<th>Performance % Complete</th>
<th>Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monroe - Plant Expansion &amp; Modernization</td>
<td>77.3%</td>
<td>68.2%</td>
<td>-9.1%</td>
</tr>
<tr>
<td>Train Management Redesign</td>
<td>100.0%</td>
<td>93.4%</td>
<td>-6.6%</td>
</tr>
<tr>
<td>Cordova - Plant Expansion &amp; Modernization</td>
<td>36.0%</td>
<td>32.6%</td>
<td>-3.4%</td>
</tr>
<tr>
<td>Easttown, TX - Online Maintenance Work</td>
<td>25.0%</td>
<td>25.0%</td>
<td>0.0%</td>
</tr>
<tr>
<td>City Center Office Building Addition</td>
<td>15.7%</td>
<td>15.4%</td>
<td>-0.3%</td>
</tr>
<tr>
<td>Buckingham - Nuclear Outage Work</td>
<td>46.0%</td>
<td>44.3%</td>
<td>-1.7%</td>
</tr>
<tr>
<td>Data Center Consolidation</td>
<td>34.6%</td>
<td>33.8%</td>
<td>-0.8%</td>
</tr>
<tr>
<td>46 State Park Project</td>
<td>98.1%</td>
<td>54.6%</td>
<td>-43.5%</td>
</tr>
<tr>
<td>Project Nano</td>
<td>32.1%</td>
<td>31.5%</td>
<td>-0.6%</td>
</tr>
<tr>
<td>Driftwood - Refuel Outage</td>
<td>60.5%</td>
<td>80.2%</td>
<td>-19.7%</td>
</tr>
</tbody>
</table>

Purpose
This table provides an overview of percent complete. Negative figures are highlighted in red text.

The table shows columns per project for:
- Schedule % Complete
- Performance % Complete
- Difference (Performance % Complete minus Schedule % 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 Performance vs Schedule % section.

Subject Areas
Activity
Highest at Completion Units Section

Select a View Pie Chart

- Barbara Rice, PMO Director: 14.1%
- Carina Bennett: 13.4%
- Cindy Lee: 12.5%
- Field Eng Assistant: 11.8%
- Finish Carpenter: 10.1%
- HVAC: 3.6%
- IT Consultant: 3.3%
- Inspections: 3.0%
- Operator: 2.7%
- Vanessa Lafferty: 2.2%

Select a View Bar Chart

Top 10 Resource By Units At Completion

- Cindy Lee: 89
- Barbara Rice, PMO Director: 87
- Inspections: 83
- Carina Bennett: 76
- HVAC: 76
- Field Eng Assistant: 73
- Finish Carpenter: 62
- Vanessa Lafferty: 24
- Operator: 23
- IT Consultant: 21
Purpose

This section can show the following analyses:

The **Pie Chart** shows the ten resources that had the highest At Completion Units in 2012.

The **Bar Chart** shows the ten resources that had the highest At Completion Units for that year on a horizontal bar graph. The x-axis shows the Units At Completion.

The **Table** shows the At Completion Units broken down by resource for that year.

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 **Highest At Completion Units** section.

Subject Areas

Resource Assignment

### 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.
Cost Trend Section

Select a View: Bar Chart
- Actual Total Cost
- Remaining Total Cost
- At Completion Total Cost

Bar Chart:

Line Chart:
- Actual Total Cost, Remaining Total Cost, and At Completion Total Cost for the years 2012-13 to 2015-16.
Purpose

This section can show the following analyses:

**Bar Chart**: This vertical bar graph shows bars for:
- Actual Total Cost
- Remaining Total Cost
- At Completion Total Cost

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

**Line**: This line graph shows lines for:
- Actual Total Cost
- Remaining Total Cost
- At Completion Total Cost

The x-axis shows the year and month. The y-axis shows cost. Hover over a point on a line to see specific information about it.
**Table**: This pivot table breaks data down by project. The columns spread the data across five months. The table shows rows per project for:

- Actual Total Cost
- Remaining Total Cost
- At Completion Total Cost

**Location**

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

**Subject Areas**

Project History
### Purpose

This section can show the following analyses:

**Cost Breakdown by Location** horizontal bar graph breaks data down by the Location project code. The bar graph shows bars for:

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

The x-axis shows cost. The y-axis shows values of the Location project code.

**Cost Breakdown by Project Manager** horizontal bar graph breaks data down by the Project Manager project code. The bar graph shows bars for:

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

The x-axis shows cost. The y-axis shows values of the Project Manager project code.

**Cost Breakdown by Sponsor** horizontal bar graph breaks data down by the Sponsor project code. The bar graph shows bars for:

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

The x-axis shows cost. The y-axis shows values of the Sponsor project code.

---

<table>
<thead>
<tr>
<th>Sponsor Description</th>
<th>Actual Total Cost</th>
<th>At Completion Total Cost</th>
<th>Remaining Total Cost</th>
<th>Cost Variance (Cost)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brian Perry</td>
<td>1,058,407</td>
<td>2,668,967</td>
<td>1,610,560</td>
<td>-1,278</td>
</tr>
<tr>
<td>Chris Richards</td>
<td>530,937</td>
<td>2,164,190</td>
<td>1,633,253</td>
<td>-4,446</td>
</tr>
<tr>
<td>Ellen McMichaels</td>
<td>115,163</td>
<td>3,875,814</td>
<td>3,724,141</td>
<td>-1,352</td>
</tr>
<tr>
<td>James Wong</td>
<td>672,370</td>
<td>3,096,839</td>
<td>2,424,459</td>
<td>-1,114</td>
</tr>
<tr>
<td>Kim Forbes</td>
<td>1,197,392</td>
<td>2,441,003</td>
<td>1,243,611</td>
<td>-349,381</td>
</tr>
<tr>
<td>Lance Pederson</td>
<td>252,289</td>
<td>1,953,873</td>
<td>1,701,584</td>
<td>4,745</td>
</tr>
<tr>
<td>Mitch Allen</td>
<td>1,370,236</td>
<td>7,189,660</td>
<td>5,815,445</td>
<td>-888,330</td>
</tr>
<tr>
<td>Reid Thompson</td>
<td>1,091,713</td>
<td>7,975,520</td>
<td>6,884,203</td>
<td>-424,531</td>
</tr>
<tr>
<td>Scott Forsyth</td>
<td>626,018</td>
<td>5,251,526</td>
<td>4,622,509</td>
<td>-110,522</td>
</tr>
<tr>
<td>Vladimir Popov</td>
<td>873,767</td>
<td>7,491,767</td>
<td>6,618,020</td>
<td>-326,043</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td>$7,826,803</td>
<td>$44,109,500</td>
<td>$36,282,797</td>
<td>-326,043</td>
</tr>
</tbody>
</table>
Table by Location: pivot table breaks data down by the Location project code. The pivot table shows columns for:

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

Negative values are highlighted in red text.

Table by Project Manager: pivot table breaks data down by the Project Manager project code. The pivot table shows columns for:

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

Negative values are highlighted in red text.

Table by Sponsor: pivot table breaks data down by the Sponsor project code. The pivot table shows columns for:

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

Negative values are highlighted in red text.

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

Subject Areas

Activity
## Cost by Type Section

### Select a View
- Actual Expense Cost
- At Completion Expense Cost
- Remaining Expense Cost

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Actual Expense Cost</th>
<th>At Completion Expense Cost</th>
<th>Remaining Expense Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>3D Prototype Project</td>
<td></td>
<td>$829,500</td>
<td>$829,500</td>
</tr>
<tr>
<td>Hematopo Program</td>
<td></td>
<td>$484,800</td>
<td>$484,800</td>
</tr>
<tr>
<td>Magna Pad Product Test</td>
<td></td>
<td>$380,600</td>
<td>$380,600</td>
</tr>
<tr>
<td>Product Development Template</td>
<td></td>
<td>$380,600</td>
<td>$380,600</td>
</tr>
<tr>
<td>Project Nano</td>
<td>$3,500</td>
<td>$280,200</td>
<td>$276,700</td>
</tr>
<tr>
<td>Alliance Portal Integration Project</td>
<td></td>
<td>$247,300</td>
<td>$247,300</td>
</tr>
<tr>
<td>Online Invoice Generation Project</td>
<td></td>
<td>$231,300</td>
<td>$231,300</td>
</tr>
<tr>
<td>ERP Legacy Merge</td>
<td></td>
<td>$209,250</td>
<td>$209,250</td>
</tr>
<tr>
<td>Algorithm Modification Project</td>
<td></td>
<td>$205,300</td>
<td>$205,300</td>
</tr>
<tr>
<td>ACH Integrator Project</td>
<td>$196,300</td>
<td></td>
<td>$196,300</td>
</tr>
<tr>
<td>Logistics Reengineering</td>
<td>$157,300</td>
<td>$157,300</td>
<td>$149,500</td>
</tr>
<tr>
<td>Employee Onboarding Portal</td>
<td>$2,700</td>
<td>$152,200</td>
<td>$146,800</td>
</tr>
<tr>
<td>Plasma Product Launch</td>
<td></td>
<td>$146,800</td>
<td>$146,800</td>
</tr>
<tr>
<td>Digitization Program</td>
<td></td>
<td>$145,750</td>
<td>$145,750</td>
</tr>
<tr>
<td>Lead Qualification Project</td>
<td>$142,300</td>
<td>$142,300</td>
<td>$142,300</td>
</tr>
<tr>
<td>Katalyst Virtualization</td>
<td>$120,670</td>
<td>$120,670</td>
<td>$120,670</td>
</tr>
<tr>
<td>Zenith Continuity Program</td>
<td>$139,600</td>
<td>$139,600</td>
<td>$139,600</td>
</tr>
<tr>
<td>eBusiness Transformation Program</td>
<td></td>
<td>$131,300</td>
<td>$131,300</td>
</tr>
<tr>
<td>GIS Interface Project</td>
<td>$126,600</td>
<td></td>
<td>$126,600</td>
</tr>
<tr>
<td>MDM Project</td>
<td>$17,200</td>
<td>$121,500</td>
<td>$104,300</td>
</tr>
<tr>
<td>Zaphier Phase III</td>
<td>$121,300</td>
<td>$121,300</td>
<td>$121,300</td>
</tr>
<tr>
<td>Xtar Release II</td>
<td>$120,700</td>
<td>$120,700</td>
<td>$120,700</td>
</tr>
<tr>
<td>DrivePoint - Refuel Outage</td>
<td>$29,000</td>
<td>$29,000</td>
<td>$29,000</td>
</tr>
<tr>
<td>Red River - Refuel Outage</td>
<td>$30,000</td>
<td>$30,000</td>
<td>$30,000</td>
</tr>
<tr>
<td>Siloaville - Refuel Outage</td>
<td>$57,500</td>
<td>$90,000</td>
<td>$22,500</td>
</tr>
<tr>
<td>Project Name</td>
<td>Actual Labor Cost</td>
<td>At Completion Labor Cost</td>
<td>Remaining Labor Cost</td>
</tr>
<tr>
<td>------------------------------------</td>
<td>-------------------</td>
<td>--------------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>Harbour Point Assisted Living Center</td>
<td>$650,945</td>
<td>4503202.00</td>
<td>391755.98</td>
</tr>
<tr>
<td>Assisted Living Facility</td>
<td>455000.00</td>
<td>455000.00</td>
<td>455000.00</td>
</tr>
<tr>
<td>Saratoga Senior Community</td>
<td>4095450.50</td>
<td>4095450.50</td>
<td>4095450.50</td>
</tr>
<tr>
<td>Juniper Nursing Home</td>
<td>$482,245</td>
<td>3683975.12</td>
<td>3148739.78</td>
</tr>
<tr>
<td>Ravine - Plant Expansion &amp; Modernization</td>
<td>$1,102,924</td>
<td>1423456.72</td>
<td>320538.32</td>
</tr>
<tr>
<td>Malmo - Plant Expansion &amp; Modernization</td>
<td>$436,491</td>
<td>1176403.93</td>
<td>739913.31</td>
</tr>
<tr>
<td>Cordova - Plant Expansion &amp; Modernization</td>
<td>$114,998.00</td>
<td>114,998.00</td>
<td>114,998.00</td>
</tr>
<tr>
<td>Nexus Project</td>
<td>803297.32</td>
<td>803297.32</td>
<td>803297.32</td>
</tr>
<tr>
<td>Red River - Refuel Outage</td>
<td>827602.59</td>
<td>827602.59</td>
<td>827602.59</td>
</tr>
<tr>
<td>Project Nano</td>
<td>819999.00</td>
<td>819999.00</td>
<td>819999.00</td>
</tr>
<tr>
<td>Driftwood - Refuel Outage</td>
<td>1053453.00</td>
<td>1053453.00</td>
<td>1053453.00</td>
</tr>
<tr>
<td>Business Process Template</td>
<td>1003963.87</td>
<td>1003963.87</td>
<td>1003963.87</td>
</tr>
<tr>
<td>Silverline - Refuel Outage</td>
<td>900002.00</td>
<td>900002.00</td>
<td>900002.00</td>
</tr>
<tr>
<td>Hemofarm Program</td>
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## Project Health Dashboard

### Select a View
- **Nonlabor Cost**

#### Nonlabor Cost Graph
- Actual Nonlabor Cost
- At Completion Nonlabor Cost
- Remaining Nonlabor Cost

### Table: Project Health Dashboard

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Actual Nonlabor Cost</th>
<th>At Completion Nonlabor Cost</th>
<th>Remaining Nonlabor Cost</th>
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Rows 1 - 25
## Select a View: Material Cost

- Actual Material Cost
- At Completion Material Cost
- Remaining Material Cost

### Material Cost Chart

![Material Cost Chart](image)

### Material Cost Table

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<th>Remaining Material Cost</th>
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### Project Health Dashboard

#### Total Cost

- **Actual Total Cost**
- **At Completion Total Cost**
- **Remaining Total Cost**

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<tr>
<th>Project Name</th>
<th>Actual Total Cost</th>
<th>At Completion Total Cost</th>
<th>Remaining Total Cost</th>
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Purpose

Choose which type of cost to view:

**Expense Cost** vertical bar graph and pivot table break down data by project. Both the bar graph and table show the same data.

The bar graph shows bars for:
- Actual Expense Cost
- At Completion Expense Cost
- Remaining Expense Cost

The x-axis shows Projects. The y-axis shows Expense Cost. Hover over a bar on the graph to see specific data.

The table shows columns for the same 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).

**Labor Cost** vertical bar graph and pivot table break down data by project. Both the bar graph and table show the same data.

The bar graph shows bars for:
- Actual Labor Cost
- At Completion Labor Cost
- Remaining Labor Cost

The x-axis shows Projects. The y-axis shows Labor Cost. Hover over a bar on the graph to see specific data.

The table shows columns for the same 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).

**Nonlabor Cost** vertical bar graph and pivot table break down data by project. Both the bar graph and table show the same data.

The bar graph shows bars for:
- Actual Nonlabor Cost
- At Completion Nonlabor Cost
- Remaining Nonlabor Cost

The x-axis shows Projects. The y-axis shows Nonlabor Cost. Hover over a bar on the graph to see specific data.

The table shows columns for the same 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).

**Material Cost** vertical bar graph and pivot table break down data by project. Both the bar graph and table show the same data.
The bar graph shows bars for:
- Actual Material Cost
- At Completion Material Cost
- Remaining Material Cost

The x-axis shows Projects. The y-axis shows Material Cost. Hover over a bar on the graph to see specific data.

The table shows columns for the same 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).

Total Cost vertical bar graph and pivot table break down data by project. Both the bar graph and table show the same data.

The bar graph shows bars for:
- Actual Total Cost
- At Completion Total Cost
- Remaining Total Cost

The x-axis shows Projects. The y-axis shows Total Cost. Hover over a bar on the graph to see specific data.

The table shows columns for the same 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 Project Health.
3) On the Project Health dashboard, click the Cost page.
4) On the Cost page, expand the Cost by Type section.

Subject Areas
Activity

History Page

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

The line graph shows Percent Change From Start over time for the project. The y-axis shows percentage. The x-axis shows month, year, date. Hover over a point for specific information.

**Location**

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

**Subject Areas**

Project History
Project Health Dashboard

Milestone Dates that Have Slipped Section

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<th>Activity ID</th>
<th>Activity Name</th>
<th>Activity Type</th>
<th>Current Planned Start</th>
<th>Current Planned Finish</th>
<th>Prior Planned Start</th>
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<td>02/01/2013</td>
<td>PC000028</td>
<td>UNIT AT 100% POWER</td>
<td>Start Milestone</td>
<td>1/2/2013 10:00:00 AM</td>
<td>1/2/2013 12:00:00 PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>02/01/2013</td>
<td>PC000022</td>
<td>RCS AT OPERATING TEMPERATURE</td>
<td>Start Milestone</td>
<td>1/2/2013 10:00:00 AM</td>
<td>1/2/2013 12:00:00 PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>02/01/2013</td>
<td>PC000066</td>
<td>RX CRITICAL (MOSE 2 ENTRY) EXIT POP-1-2</td>
<td>Start Milestone</td>
<td>1/2/2013 10:00:00 AM</td>
<td>1/2/2013 12:00:00 PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>02/01/2013</td>
<td>PC000007</td>
<td>OPEN MAIN STEAM ISOLATION VALVES</td>
<td>Start Milestone</td>
<td>1/2/2013 10:00:00 AM</td>
<td>1/2/2013 12:00:00 PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>02/01/2013</td>
<td>PC000028</td>
<td>UNIT AT 100% POWER</td>
<td>Start Milestone</td>
<td>1/2/2013 10:00:00 AM</td>
<td>1/2/2013 12:00:00 PM</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Purpose

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

- Activity ID
- Activity Name
- Activity Type
- Current Planned Start
- Current Planned Finish
- Prior Planned Start
- Prior Planned Finish

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

Location

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

Subject Areas

Project History
Location Page

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

At Completion Total Cost by Location Section

Purpose

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

Switch off the At Completion Total Cost (Color Fill) option below COUNTRY_CODE to remove the shading when zoomed out to Country level. Switch off the At Completion Total Cost (Color Fill) option below Project_STATE 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 callout with specific information.

Location

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

Subject Areas

Activity
Project Code Hierarchy Section

<table>
<thead>
<tr>
<th>Project Code Hierarchy</th>
<th>At Completion Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>$41,109,000</td>
</tr>
<tr>
<td>North America</td>
<td>$8,701,741</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>$4,691,291</td>
</tr>
<tr>
<td>Philadelphia</td>
<td>$4,155,804</td>
</tr>
<tr>
<td>Pittsburgh</td>
<td>$335,487</td>
</tr>
<tr>
<td>California</td>
<td>$2,704,293</td>
</tr>
<tr>
<td>San Francisco</td>
<td>$1,377,941</td>
</tr>
<tr>
<td>San Diego</td>
<td>$1,056,964</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>$236,388</td>
</tr>
<tr>
<td>Texas</td>
<td>$1,306,157</td>
</tr>
<tr>
<td>Latin America</td>
<td>$7,192,046</td>
</tr>
<tr>
<td>Australia</td>
<td>$5,195,166</td>
</tr>
<tr>
<td>Europe</td>
<td>$5,155,579</td>
</tr>
<tr>
<td>India</td>
<td>$4,899,260</td>
</tr>
<tr>
<td>Russia</td>
<td>$4,820,403</td>
</tr>
<tr>
<td>China</td>
<td>$3,063,725</td>
</tr>
<tr>
<td>Brazil</td>
<td>$3,302,698</td>
</tr>
</tbody>
</table>

Purpose

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

This line-bar graph reflects the data shown in the pivot table and will change with the table.

The graph shows:

- Bars for each project code
- A line for cumulative percentage (At Completion Total Cost of each value represented as a percentage of total At Completion Total Cost)

The x-axis is all project code values currently shown in the pivot table. The y-axis on the left, for the bars, is At Completion Total Cost. The y-axis on the right, for the line, is percentage. Hover over a bar for specific data. Hover over a point on the line for specific data.

Location

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

Subject Areas

Activity

Activity Worksheet Page

This page shows each activity associated with a project within your portfolio.
## Activity Worksheet Section

### Purpose

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

The pivot table shows columns for:

- Activity Name
- Status
- Primary Resource Name
- Start Date
- Finish Date
- Variance in Hours
- Link to the Activities in P6

Use the up and down arrows below the table to navigate to other sections of the table. Use the double-ended arrow to view the whole table in one screen (to a maximum of 500 rows per page).
Location
1) On the **Home** page, click **Dashboards**.
2) Under **Primavera**, select **Project Health**.
3) On the **Project Health** dashboard, click the **Activity Worksheet** page.
4) On the **Activity Worksheet** page, expand the **Activity Worksheet** section.

Subject Areas
Activity

**Resource Analysis Dashboard**

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

**Overview Page**

This page gives an overview of resource status, including a view showing how resources are contributing to your strategic objectives, the percentage of resources which are overallocated, a tabular view of the labor hours expended by country and a view of resource over and under allocation.
<table>
<thead>
<tr>
<th>Strategic Objective Description</th>
<th>Project Name</th>
<th>Actual Units</th>
<th>Year Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenue Growth</td>
<td>Merrose - Plant Expansion &amp; Modernization</td>
<td>10,663</td>
<td>2012</td>
</tr>
<tr>
<td><strong>Revenue Growth Total</strong></td>
<td></td>
<td><strong>48,158</strong></td>
<td></td>
</tr>
<tr>
<td>Regulatory Compliance</td>
<td>Driftwood - Refuel Outage</td>
<td>10,294</td>
<td>2013</td>
</tr>
<tr>
<td><strong>Regulatory Compliance Total</strong></td>
<td></td>
<td><strong>23,091</strong></td>
<td></td>
</tr>
<tr>
<td>Revenue Growth</td>
<td>Merrose - Plant Expansion &amp; Modernization</td>
<td>8,282</td>
<td>2013</td>
</tr>
<tr>
<td><strong>Revenue Growth Total</strong></td>
<td></td>
<td><strong>46,158</strong></td>
<td></td>
</tr>
<tr>
<td>Regulatory Compliance</td>
<td>Cordova - Plant Expansion &amp; Modernization</td>
<td>6,194</td>
<td>2013</td>
</tr>
<tr>
<td><strong>Regulatory Compliance Total</strong></td>
<td></td>
<td><strong>23,091</strong></td>
<td></td>
</tr>
<tr>
<td>Revenue Growth</td>
<td>Harbour Poincte Assisted Living Center</td>
<td>5,025</td>
<td>2012</td>
</tr>
<tr>
<td><strong>Revenue Growth Total</strong></td>
<td></td>
<td><strong>46,158</strong></td>
<td></td>
</tr>
<tr>
<td>Reduced Cycle Time</td>
<td>Red River - Refuel Outage</td>
<td>4,540</td>
<td>2013</td>
</tr>
<tr>
<td><strong>Reduced Cycle Time Total</strong></td>
<td></td>
<td><strong>8,179</strong></td>
<td></td>
</tr>
<tr>
<td>Improved Customer Satisfaction</td>
<td>Order Management Redesign</td>
<td>4,121</td>
<td>2012</td>
</tr>
<tr>
<td><strong>Improved Customer Satisfaction Total</strong></td>
<td></td>
<td><strong>11,674</strong></td>
<td></td>
</tr>
<tr>
<td>Revenue Growth</td>
<td>Juniper Nursing Home</td>
<td>3,607</td>
<td>2013</td>
</tr>
<tr>
<td><strong>Revenue Growth Total</strong></td>
<td></td>
<td><strong>48,158</strong></td>
<td></td>
</tr>
<tr>
<td>Revenue Growth</td>
<td>Harbour Poincte Assisted Living Center</td>
<td>2,929</td>
<td>2013</td>
</tr>
<tr>
<td><strong>Revenue Growth Total</strong></td>
<td></td>
<td><strong>46,158</strong></td>
<td></td>
</tr>
<tr>
<td>Revenue Growth</td>
<td>Juniper Nursing Home</td>
<td>2,755</td>
<td>2012</td>
</tr>
<tr>
<td><strong>Revenue Growth Total</strong></td>
<td></td>
<td><strong>46,158</strong></td>
<td></td>
</tr>
<tr>
<td>Revenue Growth</td>
<td>Project Nano</td>
<td>2,733</td>
<td>2012</td>
</tr>
<tr>
<td><strong>Revenue Growth Total</strong></td>
<td></td>
<td><strong>48,158</strong></td>
<td></td>
</tr>
<tr>
<td>Reduced Cycle Time</td>
<td>Arcadia - Automated System</td>
<td>2,238</td>
<td>2012</td>
</tr>
<tr>
<td><strong>Reduced Cycle Time Total</strong></td>
<td></td>
<td><strong>8,179</strong></td>
<td></td>
</tr>
<tr>
<td>Revenue Growth</td>
<td>Haitang Corporate Park</td>
<td>2,076</td>
<td>2013</td>
</tr>
<tr>
<td><strong>Revenue Growth Total</strong></td>
<td></td>
<td><strong>46,158</strong></td>
<td></td>
</tr>
<tr>
<td>Revenue Growth</td>
<td>Project Nano</td>
<td>2,051</td>
<td>2013</td>
</tr>
<tr>
<td><strong>Revenue Growth Total</strong></td>
<td></td>
<td><strong>48,158</strong></td>
<td></td>
</tr>
<tr>
<td>Increased Customer Retention</td>
<td>4G Tablet Project</td>
<td>1,951</td>
<td>2013</td>
</tr>
<tr>
<td><strong>Increased Customer Retention Total</strong></td>
<td></td>
<td><strong>1,951</strong></td>
<td></td>
</tr>
<tr>
<td>Improved Customer Satisfaction</td>
<td>YStar Release II</td>
<td>1,793</td>
<td>2012</td>
</tr>
<tr>
<td><strong>Improved Customer Satisfaction Total</strong></td>
<td></td>
<td><strong>11,674</strong></td>
<td></td>
</tr>
<tr>
<td>Revenue Growth</td>
<td>City Center Office Building Addition</td>
<td>1,662</td>
<td>2013</td>
</tr>
<tr>
<td><strong>Revenue Growth Total</strong></td>
<td></td>
<td><strong>48,158</strong></td>
<td></td>
</tr>
<tr>
<td>Improved Customer Satisfaction</td>
<td>Deerfield - Automated System</td>
<td>1,658</td>
<td>2013</td>
</tr>
<tr>
<td><strong>Improved Customer Satisfaction Total</strong></td>
<td></td>
<td><strong>11,674</strong></td>
<td></td>
</tr>
<tr>
<td>Regulatory Compliance</td>
<td>Logistics Reengineering Program</td>
<td>1,577</td>
<td>2012</td>
</tr>
<tr>
<td><strong>Regulatory Compliance Total</strong></td>
<td></td>
<td><strong>23,091</strong></td>
<td></td>
</tr>
<tr>
<td>Revenue Growth</td>
<td>Lead Qualification Project</td>
<td>1,442</td>
<td>2012</td>
</tr>
<tr>
<td><strong>Revenue Growth Total</strong></td>
<td></td>
<td><strong>46,158</strong></td>
<td></td>
</tr>
<tr>
<td>Regulatory Compliance</td>
<td>Sunset Gorge - Routine Maintenance Work</td>
<td>1,263</td>
<td>2012</td>
</tr>
<tr>
<td><strong>Regulatory Compliance Total</strong></td>
<td></td>
<td><strong>23,091</strong></td>
<td></td>
</tr>
<tr>
<td>Regulatory Compliance</td>
<td>Driftwood - Refuel Outage</td>
<td>1,261</td>
<td>2012</td>
</tr>
<tr>
<td><strong>Regulatory Compliance Total</strong></td>
<td></td>
<td><strong>23,091</strong></td>
<td></td>
</tr>
<tr>
<td>Revenue Growth</td>
<td>Haitang Corporate Park</td>
<td>1,174</td>
<td>2012</td>
</tr>
<tr>
<td><strong>Revenue Growth Total</strong></td>
<td></td>
<td><strong>46,158</strong></td>
<td></td>
</tr>
<tr>
<td>Revenue Growth</td>
<td>Lead Qualification Project</td>
<td>1,090</td>
<td>2013</td>
</tr>
<tr>
<td><strong>Revenue Growth Total</strong></td>
<td></td>
<td><strong>48,158</strong></td>
<td></td>
</tr>
<tr>
<td>Improved Customer Satisfaction</td>
<td>YStar Release II</td>
<td>1,030</td>
<td>2013</td>
</tr>
<tr>
<td><strong>Improved Customer Satisfaction Total</strong></td>
<td></td>
<td><strong>11,674</strong></td>
<td></td>
</tr>
</tbody>
</table>
**Purpose**

This section shows the following analyses:

**Actual Units by Strategic Objective**

The horizontal bar graph shows the number of Actual Units broken down by Strategic Objective. It shows bars for:

- Improved Customer Satisfaction
- Increased Customer Retention
- Reduced Cycle Time
- 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 pie graph shows the number of Actual Units 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 pivot table groups by each value of the Strategic Objective Description. It shows columns for:

- Project Name
- Actual Units
- Year Name

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).

**Remaining Units by Strategic Objective**

The horizontal bar graph shows the number of Remaining Units broken down by Strategic Objective. It shows bars for:

- Improved Customer Satisfaction
- Increased Customer Retention
- Reduced Cycle Time
- Regulatory Compliance
- Revenue Growth
Hover over a bar to see specific data. Click on a bar to drill down to see remaining effort by project.

The pie graph shows the number of Remaining Units 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 remaining effort by project.

The pivot table groups by each value of the Strategic Objective Description. It shows columns for:

- Project Name
- 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 Overview page.
4) On the Overview page, expand the Resource Alignment section.

Subject Areas

Resource Assignment
% of Overallocated Resources Section

Purpose

This gauge shows the percentage of all resources that are overallocated. This stacked vertical bar graph shows a stacked bar for each resource showing Remaining hours and Overallocated hours.

The x-axis shows resources. The y-axis shows hours. Blue bands on the bar represent Remaining hours; red bands represent Over Allocation hours. Hover over a bar for specific details.

Location

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

**Subject Areas**

**Resource Utilization**

**Labor Hours by Resource Location Section**

<table>
<thead>
<tr>
<th>Location</th>
<th>Labor Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Europe</strong></td>
<td>1339.13</td>
</tr>
<tr>
<td><strong>India</strong></td>
<td>1273.36</td>
</tr>
<tr>
<td><strong>Latin America</strong></td>
<td>1031.96</td>
</tr>
<tr>
<td><strong>North America</strong></td>
<td>2437.16</td>
</tr>
<tr>
<td><strong>Philadelphia</strong></td>
<td>467.11</td>
</tr>
<tr>
<td><strong>Russia</strong></td>
<td>802.72</td>
</tr>
</tbody>
</table>

Purpose

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

Use the Select a View menu to filter data by one of the following project codes: At Completion by Sponsor, At Completion by Business Segment, or At Completion by Priority. Click on the year to drill down to half-year.

**Location**

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

**Subject Areas**

**Resource Assignment**
### Overallocated Units By Resource

<table>
<thead>
<tr>
<th>Quarter Name</th>
<th>Resource Name</th>
<th>Location</th>
<th>Limit</th>
<th>Remaining Units</th>
<th>Over Allocation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014-Q4</td>
<td>Concrete Foundation S...</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2014-Q4</td>
<td>Drywall Subcontractor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2014-Q4</td>
<td>Finish Carpenter</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2014-Q4</td>
<td>HVAC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2014-Q4</td>
<td>Paving &amp; Roadways Subcontractor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2014-Q4</td>
<td>Project Managers</td>
<td>North America</td>
<td>1,376</td>
<td>5,721</td>
<td>4,345</td>
</tr>
<tr>
<td>2014-Q4</td>
<td>FF&amp;E Specialties</td>
<td>India</td>
<td>1,032</td>
<td>4,552</td>
<td>3,520</td>
</tr>
<tr>
<td>2014-Q3</td>
<td>Electrician</td>
<td>North America</td>
<td>2,064</td>
<td>5,737</td>
<td>3,673</td>
</tr>
<tr>
<td>2014-Q3</td>
<td>FF&amp;E Specialties</td>
<td>India</td>
<td>1,032</td>
<td>4,552</td>
<td>3,520</td>
</tr>
<tr>
<td>2014-Q3</td>
<td>Finishing &amp; Paint Subcontractor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2014-Q3</td>
<td>HVAC</td>
<td>Brazil</td>
<td>688</td>
<td>4,095</td>
<td>3,407</td>
</tr>
<tr>
<td>2014-Q3</td>
<td>Floor and Carpet Layer</td>
<td>North America</td>
<td>1,032</td>
<td>4,240</td>
<td>3,208</td>
</tr>
<tr>
<td>2014-Q3</td>
<td>Drywall Subcontractor</td>
<td>India</td>
<td>688</td>
<td>3,771</td>
<td>3,083</td>
</tr>
<tr>
<td>2014-Q3</td>
<td>IT Consultant</td>
<td>China</td>
<td>344</td>
<td>3,355</td>
<td>3,011</td>
</tr>
<tr>
<td>2014-Q3</td>
<td>Finish Carpenter</td>
<td>Latin America</td>
<td>2,752</td>
<td>5,721</td>
<td>2,969</td>
</tr>
</tbody>
</table>
Purpose

**Overallocated Units By Resource** bar graph and table

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

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

The table shows data broken down by year/quarter and resource. It is sorted by Over Allocation. The table shows columns for:

- Location
- Limit

### Under Allocated Units By Resource

<table>
<thead>
<tr>
<th>Quarter Name</th>
<th>Resource Name</th>
<th>Location</th>
<th>Limit</th>
<th>Remaining Units</th>
<th>Under Allocated</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-Q4</td>
<td>Laborer-Construction</td>
<td>Latin America</td>
<td>7,168</td>
<td>224</td>
<td>6,944</td>
</tr>
<tr>
<td>2013-Q1</td>
<td>Laborer-Construction</td>
<td>Latin America</td>
<td>7,036</td>
<td>992</td>
<td>6,044</td>
</tr>
<tr>
<td>2014-Q1</td>
<td>Hydroblaster</td>
<td>Europe</td>
<td>6,480</td>
<td>510</td>
<td>5,940</td>
</tr>
<tr>
<td>2014-Q2</td>
<td>Ironworker</td>
<td>Latin America</td>
<td>5,200</td>
<td>474</td>
<td>4,726</td>
</tr>
<tr>
<td>2013-Q3</td>
<td>Ironworker</td>
<td>Latin America</td>
<td>5,120</td>
<td>874</td>
<td>4,246</td>
</tr>
<tr>
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<td>Ironworker</td>
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<td>3,440</td>
<td>256</td>
<td>3,184</td>
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</table>
Remaining Units
Over Allocation
Click a link to drill down further into the data. Click the Quarter Name heading to sort the table by quarter.

**Under Allocated Units By Resource** bar graph and table

The vertical bar graph shows under allocation bars for each resource broken down by year/quarter. If no resource is under allocated in a quarter, then that quarter will not appear in the graph.

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

The table shows data broken down by year/quarter and resource. It is sorted by Under Allocated. The table shows columns for:

- Location
- Limit
- Remaining Units
- Under Allocated

Click a link to drill down further into the data. Click the Quarter Name heading to sort the table by quarter.

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

**Subject Areas**
Resource Utilization

**Staffing Page**

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

<table>
<thead>
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<td>Arcadia - Automated System</td>
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<td>Total FTE</td>
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<td>302.15</td>
<td>314.16</td>
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<td>987.97</td>
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<td>Total FTE</td>
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<td>647.85</td>
<td>302.15</td>
<td>314.16</td>
<td>280.87</td>
<td>868.12</td>
<td>987.97</td>
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<td></td>
<td></td>
<td></td>
<td>51.51</td>
</tr>
</tbody>
</table>

**Purpose**

This pivot table breaks down unit data by project. Columns show year-quarter. Rows are grouped per project and show Staffed, Unstaffed, and Total FTE (calculated as Staffed plus Unstaffed).

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

**Location**

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

**Subject Areas**

Resource Assignment
Allocation by Code Section

Purpose
This stacked vertical bar graph shows a stacked bar for each resource code showing Remaining Units and Overallocated units. Use the View by menu to filter the data by Classification, Location, Plant, or Department resource codes.

The x-axis shows resource codes. The y-axis shows allocation units. Hover over a bar to show specific data.

Location
1) On the Home page, click Dashboards.
2) Under Primavera, select Resource Analysis.
3) On the Resource Analysis dashboard, click the Staffing page.
4) On the Staffing page, expand the Allocation by Code section.
Subject Areas
Resource Utilization

Hours by Role Section

**Purpose**

This section can show the following analyses:

The **Graph** vertical stacked bar graph shows At Completion Units on a stacked bar for each week for the Quality Assurance, Product Analyst, Developer, and Business Analyst roles.

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

The **Table** pivot table breaks down At Completion Units by roll and week. Rows show rolls with totals in the last column. Columns show weeks with totals in the last row.

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

**Location**

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

Resource Assignment
Total Hours by Team Section

Resource Hours by Team

- Wendy Reamer
- Paul Kim
- Jeff Young
- Instrumentation Engineer
- HVAC
- Field Engineer
- Field Eng-Senior
- Field Eng-Assistant
- Design Engineer
- Automation Systems Engineer

<table>
<thead>
<tr>
<th>Resource Name</th>
<th>Resource Team</th>
<th>At Completion Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrator</td>
<td>E&amp;I Resources</td>
<td>1592.74</td>
</tr>
<tr>
<td>Alice Wynn</td>
<td>Contractor Resources</td>
<td>1242.00</td>
</tr>
<tr>
<td>Anita Chopra</td>
<td>Contractor Resources</td>
<td>1242.90</td>
</tr>
<tr>
<td>Amit Chopra</td>
<td>Product Dev Resources</td>
<td>1242.90</td>
</tr>
<tr>
<td>Andrea Casey</td>
<td>Product Operations Group</td>
<td>1242.90</td>
</tr>
<tr>
<td>Automation Systems Engineer</td>
<td>Product Operations Group</td>
<td>2461.96</td>
</tr>
<tr>
<td>BPM Consultant 1</td>
<td>Manufacturing Engineering Group</td>
<td>2461.96</td>
</tr>
<tr>
<td>BPM Consultant 2</td>
<td>E&amp;I Resources</td>
<td>3452.93</td>
</tr>
<tr>
<td>BPM Consultant 3</td>
<td>E&amp;I Resources</td>
<td>3452.93</td>
</tr>
<tr>
<td>Barbara Rice, PMO Director</td>
<td>IT Resources</td>
<td>991.03</td>
</tr>
<tr>
<td>Ben Frost</td>
<td>Business Process PMO</td>
<td>2795.78</td>
</tr>
<tr>
<td>Corina Bennett</td>
<td>Corporate Resources</td>
<td>1961.78</td>
</tr>
<tr>
<td>Cindy Lee</td>
<td>Contractor Resources</td>
<td>2042.22</td>
</tr>
<tr>
<td>Concrete Finisher</td>
<td>Manufacturing Engineering Group</td>
<td>2042.22</td>
</tr>
<tr>
<td>Design Engineer</td>
<td>Product Dev Resources</td>
<td>2042.22</td>
</tr>
<tr>
<td>Field Engineer</td>
<td>Engineering</td>
<td>2042.22</td>
</tr>
</tbody>
</table>
Purpose
This section shows the following analyses:

The **Graph** stacked vertical bar graph shows a stacked bar for each quarter showing hours for each resource in a team. Each band on a bar represents a different resource. The x-axis shows year and quarter. The y-axis shows hours. Use the Resource Team list to filter the data by resource team. Hover over a bar for details. Click on a band on a bar to drill down to see that resource's hours per month.

The **Table** pivot table shows At Completion Units for each resource in a team totaled by team. This data is not time limited, but aggregated per team.

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

Subject Areas
Resource Assignment

Productivity Page
This page shows team progress, resource productivity, and periodic versus cumulative hours.
## Resource Analysis Dashboard

### Resource Utilization by Team Section

<table>
<thead>
<tr>
<th>Team Name</th>
<th>Utilization Rate %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Marketing Group</td>
<td>92%</td>
</tr>
<tr>
<td>Business Process PMO</td>
<td>86%</td>
</tr>
<tr>
<td>Manufacturing Engineering Group</td>
<td>86%</td>
</tr>
<tr>
<td>Product Dev Resources</td>
<td>84%</td>
</tr>
<tr>
<td>Corporate Resources</td>
<td>83%</td>
</tr>
<tr>
<td>Operations</td>
<td>81%</td>
</tr>
<tr>
<td>Contractor Resources</td>
<td>80%</td>
</tr>
<tr>
<td>External Contractors</td>
<td>80%</td>
</tr>
<tr>
<td>Product Operations Group</td>
<td>78%</td>
</tr>
<tr>
<td>Subcontractors</td>
<td>74%</td>
</tr>
<tr>
<td>Engineering</td>
<td>69%</td>
</tr>
<tr>
<td>IT Resources</td>
<td>65%</td>
</tr>
<tr>
<td>E&amp;C Resources</td>
<td>62%</td>
</tr>
<tr>
<td>Trades</td>
<td>60%</td>
</tr>
<tr>
<td>Management</td>
<td>42%</td>
</tr>
</tbody>
</table>

### Purpose

This horizontal bar graph shows the utilization rate percentage for each team. Resource utilization is a measure of a resource's allocated units against the resource limit. The values for each team are an aggregation of individual resources values (rather than being calculated at team level). Resource utilization can be more than 100% and a figure over 100% indicates that the resource is over-allocated.

The x-axis shows the Utilization Rate percentage. The y-axis shows the team name.

### Location

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

### Subject Areas

Resource Utilization
**Periodic and Cumulative Labor Units by Month Section**

The **Graph** line-bar graph shows:

- **Bars** for Baseline Project Labor Units, At Completion Labor Units, and Cumulative Actual Labor Units.
- **Lines** for Actual Labor Units, Cumulative Baseline Project Labor Units, and Cumulative Forecast Labor Units.

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 cumulative labor units. Hover over a bar or a point on a line to see detailed information.

### Purpose

This section can show the following analyses:

- **Bars** for Baseline Project Labor Units, At Completion Labor Units, and Cumulative Actual Labor Units.
- **Lines** for Actual Labor Units, Cumulative Baseline Project Labor Units, and Cumulative Forecast Labor Units.

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 cumulative labor units. Hover over a bar or a point on a line to see detailed information.
The **Table** pivot table breaks data down by month and resource. The data is ordered by month. The pivot table shows columns per resource for:

- Baseline Project Labor Units
- Actual Labor Units
- At Completion Labor Units
- Baseline Project Labor Units Cumulative
- Actual Labor Units Cumulative
- Forecast Labor Units Cumulative

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

**Location**

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

**Subject Areas**

Activity
**Daily vs. Average SPI by Resource Section**

**Purpose**

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

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

**Location**

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

### Subject Areas

**Activity**

---

### Utilization Page

This page shows resource availability, utilization, and capacity.

---

### Resource Availability Section

![Resource Availability Section Diagram](image)

**Purpose**

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

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

The x-axis is weeks (as year-month-day). The y-axis for the bars, on the left, shows units. The y-axis for the line, on the right, shows percent of units available.
The pivot table shows the same data as the line-bar graph. Rows show Available Units, Planned Units and % Available. Columns show year-month-day.

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

Subject Areas
Resource Utilization

Utilization Section

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

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

The x-axis shows weeks, as year-month-date. The y-axis for the bars, on the left, shows units. The y-axis for the lines, on the right, shows percentages. 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:

- Limit
- Planned Units
- Planned % Utilization
- Actual Units
- Actual % Utilization

Click a week name to drill down to resource analysis information for that week.
Location
1) On the Home page, click Dashboards.
2) Under Primavera, select Resource Analysis.
3) On the Resource Analysis dashboard, click the Utilization page.
4) On the Utilization page, expand the Utilization section.

Subject Areas
Resource Utilization
**Capacity Section**

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

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

<table>
<thead>
<tr>
<th>Month Name</th>
<th>Resource Name</th>
<th>Planned Units</th>
<th>Actual Units</th>
<th>Limit</th>
<th>Available Units</th>
<th>Remaining Units</th>
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</thead>
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<td>74.09</td>
<td>176.00</td>
<td>101.91</td>
<td>0.00</td>
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<td>Automation Systems Engineer</td>
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<td>235.69</td>
<td>352.00</td>
<td>116.11</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>BPM Consultant 1</td>
<td>213.54</td>
<td>200.34</td>
<td>176.00</td>
<td>-22.54</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>BPM Consultant 2</td>
<td>7.84</td>
<td>5.22</td>
<td>176.00</td>
<td>170.78</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>BPM Consultant 3</td>
<td></td>
<td></td>
<td>176.00</td>
<td>176.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>Barbara Rice, PMO Director</td>
<td>5.56</td>
<td>5.50</td>
<td>44.00</td>
<td>38.50</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>Ben Frost</td>
<td>123.33</td>
<td>107.01</td>
<td>176.00</td>
<td>68.98</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>Business Process PMO</td>
<td></td>
<td></td>
<td>0.00</td>
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<td>0.00</td>
</tr>
<tr>
<td></td>
<td>Carina Bennett</td>
<td>160.00</td>
<td>183.22</td>
<td>176.00</td>
<td>7.22</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>Cindy Lee</td>
<td>111.45</td>
<td>115.00</td>
<td>176.00</td>
<td>60.10</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>Concrete Finisher</td>
<td>132.26</td>
<td>120.42</td>
<td>176.00</td>
<td>55.58</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>Concrete Foundation Subcontractor</td>
<td>545.14</td>
<td>382.03</td>
<td>528.00</td>
<td>14.44</td>
<td>131.53</td>
</tr>
<tr>
<td></td>
<td>Conveying Subcontractor</td>
<td></td>
<td></td>
<td>176.00</td>
<td>176.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>Corporate Resources</td>
<td></td>
<td></td>
<td>176.00</td>
<td>176.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>Dan Paxson</td>
<td></td>
<td></td>
<td>176.00</td>
<td>176.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>Dan Sharpe</td>
<td></td>
<td></td>
<td>132.00</td>
<td>132.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>Deepak Singh</td>
<td>31.21</td>
<td>28.05</td>
<td>176.00</td>
<td>147.95</td>
<td>0.00</td>
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<tr>
<td></td>
<td>Design Engineer</td>
<td>128.47</td>
<td>130.63</td>
<td>176.00</td>
<td>45.37</td>
<td>0.00</td>
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<tr>
<td></td>
<td>Drywall Subcontractor</td>
<td></td>
<td></td>
<td>352.00</td>
<td>352.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>E&amp;C Resources</td>
<td></td>
<td></td>
<td>176.00</td>
<td>176.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>Electrician</td>
<td>388.40</td>
<td>267.37</td>
<td>1056.00</td>
<td>700.63</td>
<td>88.00</td>
</tr>
<tr>
<td></td>
<td>Elevator Installer</td>
<td>100.98</td>
<td>104.14</td>
<td>176.00</td>
<td>71.86</td>
<td>0.00</td>
</tr>
</tbody>
</table>
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 shows columns for:

- Planned Units
- Actual Units
- Limit
- Available Units
- Remaining Units

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

**Location**

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

**Subject Areas**

Resource Assignment

---

**Industry Samples Dashboard**

This dashboard shows daily burn down, performance, work planning, and schedule compliance 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 graph shows:
- Bars for Original Remaining hours and Emergent Remaining hours for each day
- Lines for the Baseline Work Down, Current Work Down, and Total Man Hours

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

**Location**

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

**Subject Areas**

Burn Down
Burn Down Counts Section

Purpose

The line-bar graph shows:
- Bars for the Original Remaining counts and Emergent Remaining counts for each day
- A line for Baseline Work Down, Current Work Down, and Total # of Activities

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

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 Counts section.

Subject Areas

Burn Down

Daily Performance Section

<table>
<thead>
<tr>
<th>Calendar Date</th>
<th>Name</th>
<th>Planned</th>
<th>Actual</th>
<th>% Complete</th>
<th>Planned</th>
<th>Actual</th>
<th>% Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/17/2013</td>
<td>Total</td>
<td>50</td>
<td>9</td>
<td>95.0%</td>
<td>60</td>
<td>60</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Calendar Date</th>
<th>Name</th>
<th>Planned</th>
<th>Actual</th>
<th>% Complete</th>
<th>Planned</th>
<th>Actual</th>
<th>% Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/17/2013</td>
<td>Total</td>
<td>50</td>
<td>9</td>
<td>95.0%</td>
<td>60</td>
<td>60</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

101
Purpose
This pivot table shows the following information organized by date and team:

- Scheduled Starts (Yesterday)
- Actual Reported Starts (Yesterday)
- % Scheduled vs Actual Starts (Yesterday)
- Scheduled Finishes (Yesterday)
- Actual Reported Finish (Yesterday)
- % Scheduled vs Actual Finish (Yesterday)
- Scheduled Finishes Today
- Actual Completed to Date
- Scheduled Finishes to Date
- Total Activities
- Scope Changes from Outage Starts
- % 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 Standards.
3) On the Industry Standards dashboard, click the Shutdown/Turnaround/Outage page.

Subject Areas
Burn Down
Schedule Compliance Section

Purpose

The line-bar graph shows:

- Bars for Original Schedule and Completed, Original Schedule and Not Completed, Emergent and Completed, and Total Scheduled
- A line for Original Schedule Compliance percentage (the percentage of activities which were completed on a day that were scheduled to be completed on that day)

The x-axis shows days as month-day-year. The y-axis for the bars, on the left, shows number of activities. The y-axis for the line, on the right, shows the percentage of compliance. Filter the graph by week using the Week Name list. Click on a bar or point to show the data in a table.

Location

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

Subject Areas

Burn Down
Average vs. Baseline (Hours) Section

Purpose

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

The x-axis is days shown as month/day/year. The y-axis is hours.

The **Baseline Average, Actual Average, Baseline Daily, Actual Daily** line graph shows:
- Bars for Baseline Daily hours and Actual Daily hours
- Lines for Baseline Average hours and Actual Average hours

The x-axis is days shown as month/day. The y-axis shows hours.

Location

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

**Subject Areas**

**Burn Down**

### Daily Performance Index (Hours) Section

#### Purpose

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

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

The x-axis is days shown as month/day/year. The y-axis is Daily Performance Index (calculated as Actual Labor Units divided by Planned Labor Units).
The **Baseline, Daily Actuals (AVG)** line graph shows lines for:

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

The x-axis is days as month/day/year. The y-axis is Daily Performance Index (calculated as Actual Labor Units divided by Planned Labor Units).

**Location**

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

**Subject Areas**

**Activity**

**Routine/On-Line Maintenance Page**

This page shows work planning, schedule adherence per role, and schedule compliance per week.

**Work Planning Look Ahead Section**

<table>
<thead>
<tr>
<th></th>
<th>09/09/2013</th>
<th>09/02/2013</th>
<th>08/26/2013</th>
<th>08/19/2013</th>
<th>08/12/2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scope Stability</td>
<td>95.1%</td>
<td>94.4%</td>
<td>88.2%</td>
<td>87.8%</td>
<td>95.0%</td>
</tr>
<tr>
<td>Schedule Stability</td>
<td>91.7%</td>
<td>89.6%</td>
<td>94.2%</td>
<td>83.3%</td>
<td>84.6%</td>
</tr>
<tr>
<td>Scope Survival</td>
<td>100.0%</td>
<td>100.0%</td>
<td>100.0%</td>
<td>100.0%</td>
<td>98.3%</td>
</tr>
<tr>
<td>Emergent Work</td>
<td>8.3%</td>
<td>12.4%</td>
<td>15.8%</td>
<td>15.7%</td>
<td>9.2%</td>
</tr>
<tr>
<td>Operations Clearances Ready</td>
<td>75.0%</td>
<td>88.0%</td>
<td>91.0%</td>
<td>79.0%</td>
<td>85.0%</td>
</tr>
<tr>
<td>Parts Identification</td>
<td>77.0%</td>
<td>90.6%</td>
<td>92.0%</td>
<td>72.9%</td>
<td>91.0%</td>
</tr>
<tr>
<td>Parts Availability</td>
<td>75.0%</td>
<td>93.0%</td>
<td>85.0%</td>
<td>65.9%</td>
<td>78.0%</td>
</tr>
<tr>
<td>Maintenance Walkdowns Completed</td>
<td>70.0%</td>
<td>92.0%</td>
<td>84.0%</td>
<td>61.8%</td>
<td>89.0%</td>
</tr>
</tbody>
</table>
Purpose

This pivot table shows how Key Performance Indicators (KPIs) are performing from a planning perspective in the upcoming execution work weeks. The percentages shown are color coded to highlight where improvement needs to be made. Green shaded percentages are good, yellow highlights potential issues, and red indicates where corrective action might be needed. The thresholds that determine when an issue is green, yellow, or red are customizable. The KPIs are based on INPO 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.

Subject Areas

Work Planning
Work Planning T+1 Critique Section

Purpose

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

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

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

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

The rows show:
- Scope Stability
- Scope Survival
- Schedule Stability
- Emergent Work

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

Location

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

**Subject Areas**

Work Planning

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### On-Line Daily Schedule Adherence Section

<table>
<thead>
<tr>
<th>Team</th>
<th>06/10/2013</th>
<th>06/11/2013</th>
<th>06/12/2013</th>
<th>06/13/2013</th>
<th>06/14/2013</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Scheduled</td>
<td>Completed</td>
<td>Scheduled</td>
<td>Completed</td>
<td>Scheduled</td>
</tr>
<tr>
<td>Instrument Engineer</td>
<td>1</td>
<td>1</td>
<td>100.0%</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Field Engineer</td>
<td>2</td>
<td>2</td>
<td>100.0%</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Operations Test Group</td>
<td>1</td>
<td>1</td>
<td>100.0%</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Operator</td>
<td>3</td>
<td>3</td>
<td>100.0%</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Grand Total</td>
<td>6</td>
<td>6</td>
<td>100.0%</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

**Purpose**

This pivot table shows schedule adherence, broken down by team. The first column in the table lists the values of the Team activity code. The remaining columns group data per day and provide totals on the last row. For each day the table shows columns for:

- Scheduled activities
- Completed activities
- Percentage of scheduled activities which were completed

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** section.

**Subject Areas**

Burn Down
Purpose

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

- Bars 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 is day, labeled as month/date/year. The y-axis for the bars, on the left, is number of activities. The y-axis for the line, on the right, is schedule compliance percent. 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.

Subject Areas

Burn Down