

User Reference

Contract Forecasting with PCI Projections - R12

By CMiC



Proprietary Notice

The contents of the CMiC software product, including both this reference guide and the program components, are proprietary to Computer Methods International Corp. (CMiC), are copyright protected and are considered Confidential Information by CMiC. All rights are reserved by CMiC. A copy of the reference guide and the program has been provided to the original licensee under license with CMiC strictly for their own use under the terms of the license. All copies of this reference guide whether in print or electronic format must contain a copy of this Proprietary Notice. Any selling, licensing or other distribution of the contents of either this reference guide or the program components, whether for profit or not, is unlawful and may subject the violator and the original licensee to termination of license, criminal charges, civil action, or any combination of these.

Copyright © 2025

Computer Methods International Corp.

4850 Keele Street
Toronto, Ontario M3J 3K1
Canada

Risk of Use Notice

The CMiC software product, including both this reference guide and the program components, is licensed on an "AS IS" basis. The entire risk as to the results of its use is with the licensee. Except for with respect to warranties in certain jurisdictions that are imposed by statute and that may not be waived by one or more of the parties, and only to the extent of such warranties in such jurisdictions, Computer Methods International Corp. (CMiC) makes no warranties whatsoever, either expressed or implied, with respect to the quality, performance, merchantability or fitness for any particular purpose of any or all components of this software product, except as provided in the licensee's license agreement. Except as provided in the licensee's license agreement, the licensee (and not CMiC or its agents) will be solely responsible for the costs of all service, of any defect in this software product, and of any incidental or consequential damages, including, but not limited to, any interruption of service or loss of business or anticipatory profits, caused or alleged to be caused either directly or indirectly by the software product to the licensee or any other person, even if CMiC has been advised of the possibility of such damages.

"Computer Methods International Corp" and the CMiC logo are registered or unregistered trademarks of Computer Methods International Corp.

Table of Contents

Proprietary Notice	ii
Risk of Use Notice	ii
Table of Contents	iii
Contract Forecasting with PCI Projections in CMiC Field – R12	1
Document Release Note	1
Forecasting Options	1
Recommended Best Practices	2
Terminology	2
Contract Forecasting with PCI Projections	3
Contract Forecasting - Controls	4
Contract Forecasting - Main Toolbar Buttons	5
Confirmation Message Banners	28
Contract Forecasting - Contract (Header)	30
Contract Forecasting - Bill Codes (Detail)	35
Contract Forecasting - Bill Codes - Part 1	35
Contract Forecasting - Bill Codes - Part 2	55
Earned Value Forecasting Columns	67
PCI Projection Pop-Up Window	69
Using System Options Flag to Consider PCI Detail Status in Contract Forecast ..	71
Contract Forecasting - Bottom Panel Buttons	74
Contract Forecasting - Footer Details (Summary Panel)	79

Contract Forecasting - Revenue Forecast Amount Calculation for Various Billing Types	80
Contract Forecasting - Table of Column Definition	82
Contract Forecasting - Color Highlights and Hover Text for Cost to Complete and Cost Forecast Columns	89
Contract Forecasting - PCI Projection	97
Main Toolbar Buttons	98
Contract (Header)	99
Potential Change Item (Details)	100
Contract Forecasting - PCI Projection (Split Commitments)	105
Contract Forecasting - Contract Forecast (Split Commitments)	107
Additional Columns	107
New Calculations for Existing Columns	111
Contract Forecasting - Time Phased Budgeting	113
Spread Rules and PCIs Posting	113
Posting Considerations with Time Phase Budgeting	114
Contract Forecasting - WBS Functionality & Contract Forecasting	117
Work Breakdown Structure (WBS)	117
What are the differences with these two methods?	118
Setting Up WBS Codes	118
Setting Up WBS Bill Code Mapping	119
Billing Contract with WBS Mapping	121
Contract Forecasting - Labor Forecasting (Labor Lines Only)	127
Labor Category Configuration	127
Escalators Maintenance	129
TBD Trade Rate Maintenance	130

Labor Cut-Off Date Maintenance	131
GC Monitor – Forecasting Pop-up	132
Contract Forecasting - Billing Type & Revenue Calculations	135
Billing Type Rate Rules	135
Billing Types	136
%Complete Billing Types Overview	137
Burdened Billings - Billing Types Overview	139
Milestone Billings - Billing Types Overview	139
Contract Forecasting - Billing Rate Table & Forecasting	141
Contract Forecasting - Billing Maximums	145
Unposted PCIs and Billing Maximums in Forecasting	149
Contract Forecasting - Job Costing WIP Integration	151
Overview	151
Job Cost Control File	151
Entering and Posting WIP Adjustments	153
Examples of Contract Forecasting and WIP Interaction	155
Selecting Type of PCIs to be Included when Calculating WIP	157
Change Management PCI Status Codes Setup	158
Job Costing Control Setup	159
Example	160
Calculating O/H Forward Loss	162
Posting Unposted Cost/Billing when Posting WIP	163
Posting WIP and Unposted Cost/Billings Separately	165
Posting WIP along with Unposted Cost/Billing Amounts	167
WIP Adjustments Over/Under Calculation	170

Contract Forecasting - Cost to Complete Detail Pop-Up	171
Cost Detail Pop-Up	172
Standard Cost Detail Pop-Up	173
Enhanced Cost Detail Pop-Up	176
Contract Forecasting - Productivity/Units Pop-Up	183
Precision of Decimals in Productivity/Units Pop-Up	187
Entering Overrides in Productivity/Units Pop-Up	188
Productivity Pop-Up Calculations	195
Calculation of Productivity Pop-up when Entity is Overridden	196
Calculations of Rates	198
Productivity Forecasting Overview	199
Contract Forecasting - Labor Forecast Pop-Up	207
GC Monitor Pop-Up	207
Labor Forecast Pop-Up	207
Auto-Populate Labor Forecast	207
Contract Forecasting - Projection Threshold	215
Setup	215
Calculations	218
Examples	219
Contract Forecasting - Bid Items in CMiC Field	229
Performing Budget Updates in Bid Items Screen for Pending Jobs	229
Updating Job Costing Structure and Budget using Bid Items	230
Adding a Bid Item with a Cost Code Not Assigned to Job	233
Contract Forecasting - Setup	237
Overview	237

Contract Forecasting - Setup - Hidden Controls	237
System Alternate Feature Table (Sys_alternate_feature)	238
System Options Table	239
Contract Forecasting - Setup - System Data Module	240
Contract Forecasting - Setup - CMiC Field	241
PM System Options Table	241
Project System Options	243
Company Control	247
PM Classifiers in SCCO	249
Forecast Status Maintenance	250
User Maintenance	251
Contract Forecasting - Setup - Job Costing Module	252
Job Cost Control File	252
Category Maintenance	261
Job Budget Maintenance	262
Contract Forecasting - Setup - Job Billing Module	263
Contract Entry	263
Contract Forecasting - Setup - Change Management Module	266
Change Management Control File	266
Change Management PCI Status Setup	267
Contract Forecasting - Frequently Asked Questions	271
Contract Forecasting - How To	281
Contract Forecasting - Resolving Contract Forecasting One-To-One Mapping Error	282
Overview	282
Process	282

Step 1: Export Cost Codes to Excel	283
Step 2: Search for Duplicate Bill Codes	284
Step 3: Query and Remove Duplicate Bill Codes	286
Step 4: Add New Bill Codes to Contract	287
Step 5: Launch Contract Forecasting with PCI Projections	287
Contract Forecasting - Internal Pending PCI Behavior for Contract Forecasting	289
Overview	289
Setup	289
Process by Example	292
Index	297

Contract Forecasting with PCI Projections in CMiC Field – R12

NOTE: A new interface for Contract Forecasting is available on Patch 17. See CMiC Assist for details.

Document Release Note

This version of the Contract Forecast guide is a draft release. The following updates are expected to be made in upcoming releases of the guide:

- All screenshots will be updated to R12.

Forecasting Options

The following forecasting options are currently available:

- Contract Forecasting with PCI Projections in CMiC Field
- Contract Forecasting (ETC - Estimate To Complete) in ADF version of Job Costing module

CMiC recommends that if a particular option is used in forecasting a job, then the same job should not be analyzed in other forecasting screens.

This guide focusses on the Contract Forecasting with PCI Projections screen in CMiC Field.

NOTE: There are no standard reports for contract forecasting and users need to plan on creating required reports as part of implementation of JSP forecasting. CMiC Support may be contacted for any such requirements.

Recommended Best Practices

Contract forecasting in CMiC Field must be considered as an ongoing continuous process and must be performed monthly as opposed to quarterly or irregular frequencies.

The forecasting process has a functionality to copy the last stored forecast to the current period and when this option is used in a quarterly forecasting scenario, clearing user overrides may take them back to values of forecasting not close enough to the current state of the contract.

Copying the last stored forecast is a commonly used practice in the industry.

The archive function allows storing a snapshot of the contract forecast as of the system date and may be performed regularly, to facilitate comparison of contract forecasting in a specific period with archived data.

Terminology

In the construction sphere, the term “change order” is generally referring to an “owner change order”.

Whereas contract forecasting in CMiC Field predominantly deals with Potential Change Items (PCIs) and projections of the same. The term “change order” in this guide refers to Potential Change Item or simply “PCI”. The use of the term “change order” may be necessary in cases where the program name reads so on the screens.

If any reference is to be made to owner change orders, then they will be explicitly pre-fixed with the term “owner”.

Contract Forecasting with PCI Projections

Contract Forecast with PCI Projections; standard Treeview path: CMiC Field > Budget & Cost Management > Contract Forecasting

The primary purpose of contract forecasting is to ensure that all potential financial issues in a project are dealt with as soon as identified and acted upon in a timely manner to keep the project on a profitable course. Forecasting allows prediction of over/under funding based on productivity, unit, or simple amount-based analysis for the costs incurred or expected, compared to the budgeted values for the project.

The Contract Forecasting with PCI Projections screen is governed by the standard CMiC rules in the Job Costing Control File, which may restrict updating of forecasts to the defined year/period (standard Treeview path: Job Costing > Setup > Local Tables > Control File – Forecasting tab). The Contract Forecast with PCI Projections screen may also include risk management amounts (entered via the PCI Projection screen) as well.

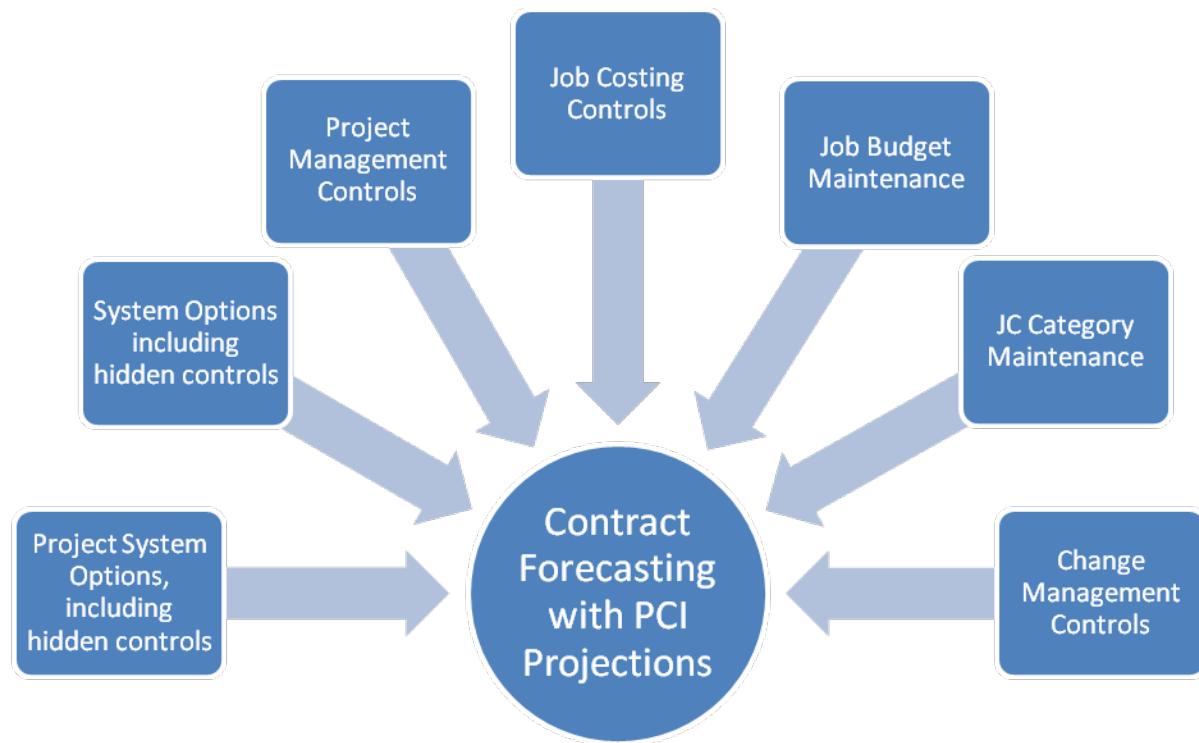
The PCI Projection screen can be accessed by drilling down on PCI amounts on a phase/category (bill code) line in the forecast. This also includes a risk analysis section. Further drill-down in the PCI projection will take users to the Potential Change Items (PCIs) assigned to the selected job/phase/category combination of the forecast line.

NOTE: CMiC Field's Contract Forecast with PCI Projections screen requires that there is a one-to-one mapping of cost codes (phase codes) to bill codes to function properly. An error message will be issued if one-to-one mapping is not set up for the contract.

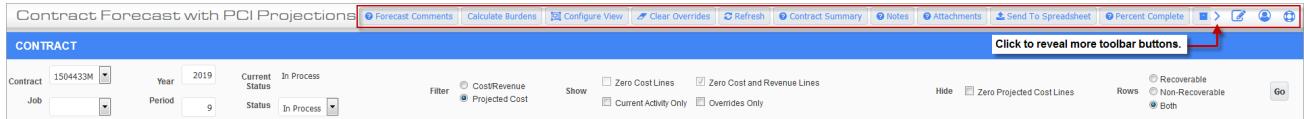
Contract Forecasting - Controls

CMiC Field's Contract Forecasting with PCI Projections screen is configured using a variety of controls in various modules, sometimes hidden for users to access/update. Some of the controls may be system wide, affecting the way forecasting is performed for all companies/projects, whereas some other controls may be specific to a company or project.

The following diagram illustrates the various controls that affect forecasting.



Contract Forecasting - Main Toolbar Buttons



The Contract Forecasting with PCI Projections screen toolbar provides several program-specific functional buttons, as well as standard icons such as the Screen Editor, User Profile, and Help icons.

[Screen Editor] – Icon

A detailed screenshot of the 'Screen Editor' dialog box. The dialog has a blue header bar with various buttons like 'Notes', 'Attachments', 'Send To Spreadsheet', 'Percent Complete', etc., and a 'Screen Editor' icon which is highlighted with a red box and a red dashed arrow pointing from the main toolbar. Below the header is a toolbar with buttons for 'Hide', 'Zero Projected Cost Lines', 'Rows' (with options 'Recoverable', 'Non-Recoverable', and 'Both'), and a 'Go' button. The main body of the dialog is divided into sections: 'HEADER BUTTONS' and 'COLUMN/FIELD SECURITY'. The 'HEADER BUTTONS' section contains a table with four rows, each defining a button: FcastCommentsButton, CalculateBurdensButton, ColumnConfigButton, and ClearOverridesButton. The 'COLUMN/FIELD SECURITY' section contains a table for setting security levels for system names like 'Freeze', 'Bill Code', 'Job', and 'Job Name'. A status message at the bottom right says 'There are 7 records in database for this period. Page 1, 1 - 7 displayed, 1 pages 7 records totally.'

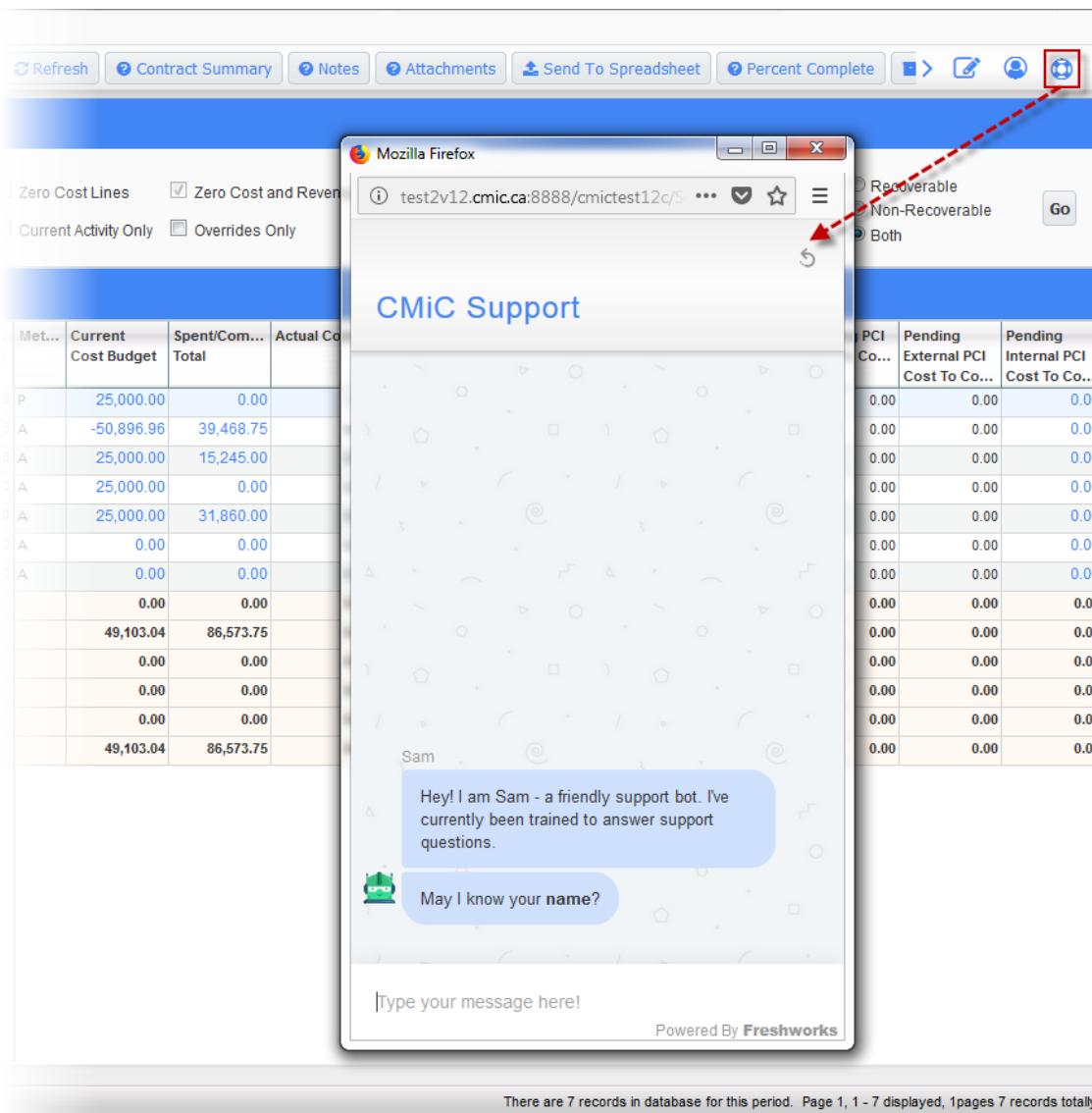
Pop-up window launched from Screen Editor icon on the Contract Forecast with PCI Projections screen

The Screen Editor pop-up window launched from the Screen Editor icon () allows users to apply field security to the user role on one or more columns in the Contract Forecast with PCI Projections screen.

[User Profile] – Icon

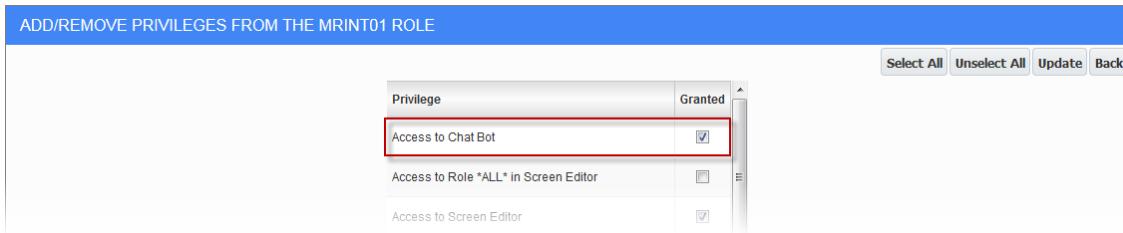
The User Profile pop-up window launched from the User Profile icon () is used to modify the user's profile. Refer to the CMiC Field guide for more information on using this pop-up window to modify system contact information, e-mail notifications, user defaults, and external software logins.

[Help] – Icon

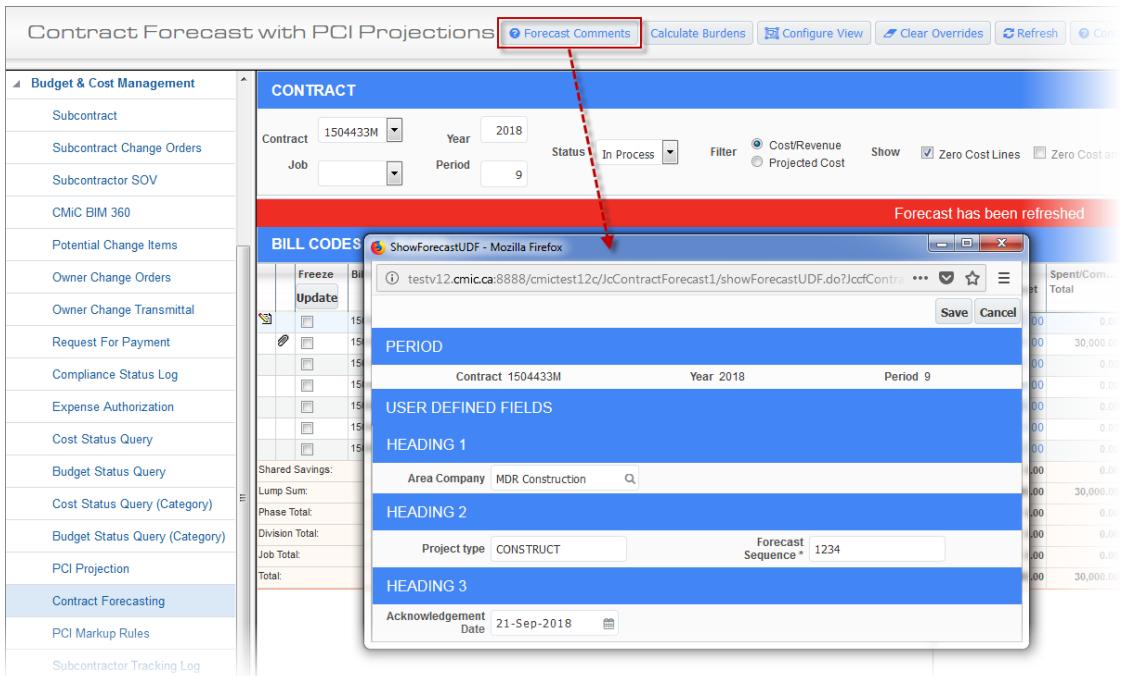


Pop-up window launched from Help icon on the Contract Forecast with PCI Projections screen

The Chat Bot Messenger window launched from the Help icon (🔍) provides real-time CMiC support and recommends support articles based on the user's questions. Access to the Chat Bot is granted by adding the privilege to the user's security role (standard Treeview path: CMiC Field > Security > Role Maintenance).



[Forecast Comments] – Button



Forecast UDF pop-up window launched from the [Forecast Comments] button on the Contract Forecast with PCI Projections screen

The [Forecast Comments] button displays a pop-up window with any underlying User-Defined Fields (UDFs) that are defined (header and detail level UDFs) in the Forecast UDF.

Forecast UDFs can be defined on the User-Defined Fields screen (standard Treeview path: CMiC Field > File Maintenance > User-Defined Fields – Forecast UDF). Users can define headings and the appropriate UDFs to be located under each heading.

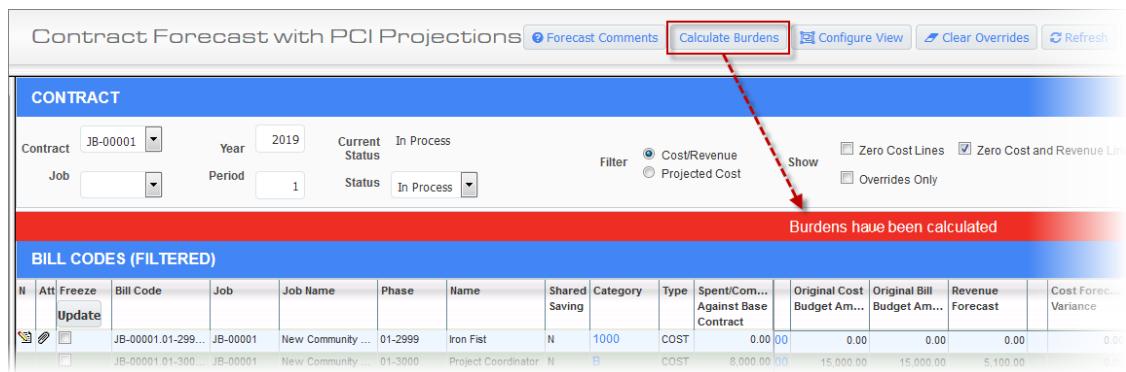
Forecast comments are tied to each forecast period, for the current contract. Editing of the UDFs in the Forecast Comments pop-up window is allowed only for forecast periods

after and including the Job Costing Control File forecast period (standard Treeview path: Job Costing > Setup > Local Tables > Control File – Forecasting tab).

Field security can be applied to the **[Forecast Comments]** button, if required (standard Treeview path: CMiC Field > Security > Role Maintenance). The default value is “Unrestricted”.

NOTE: The **[Forecast Comments]** button is not available when using the “Job” option for forecasting, which may have more than one contract’s details shown on the same screen.

[Calculate Burdens] – Button

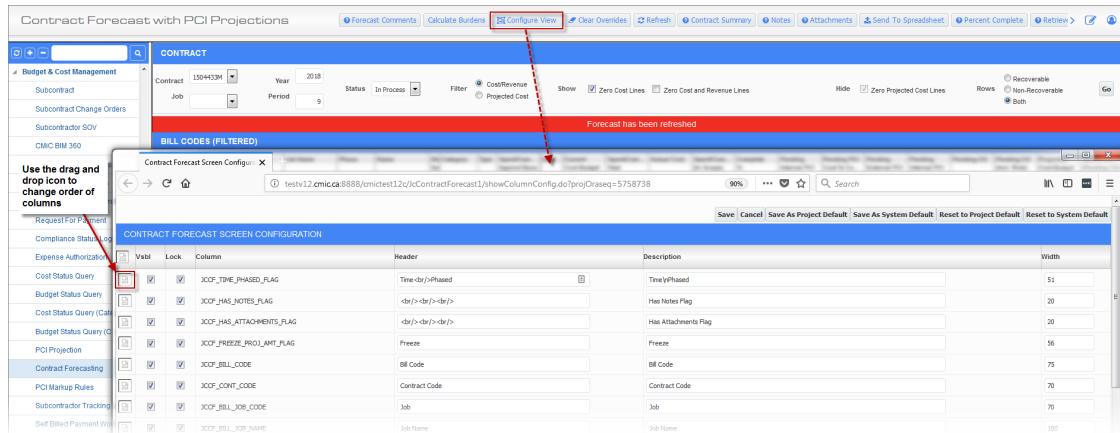


Example of Contract Forecast with PCI Projections screen after burdens have been calculated

When the ‘Calculate Forecast Revenue Amounts on Runtime’ checkbox is checked on the Project System Options screen in CMiC Field (standard Treeview path: CMiC Field > File Maintenance > Project System Options – Contract Forecast tab), when users update the values in the Cost To Complete or Projected Cost Forecast columns, and tab away from those fields, the Revenue Forecast column values are recalculated in real time for this line. Also, when the Productivity pop-up values are overridden by users and saved, the recalculation updates the Revenue Forecast column’s value in real time.

The **[Calculate Burdens]** button is used to re-calculate the burdened billings value in the Revenue Forecast for the entire forecast. Users will be notified with a red message bar indicating “Burdens have been calculated” when the processing is completed, as shown in the screenshot above.

[Configure View] – Button



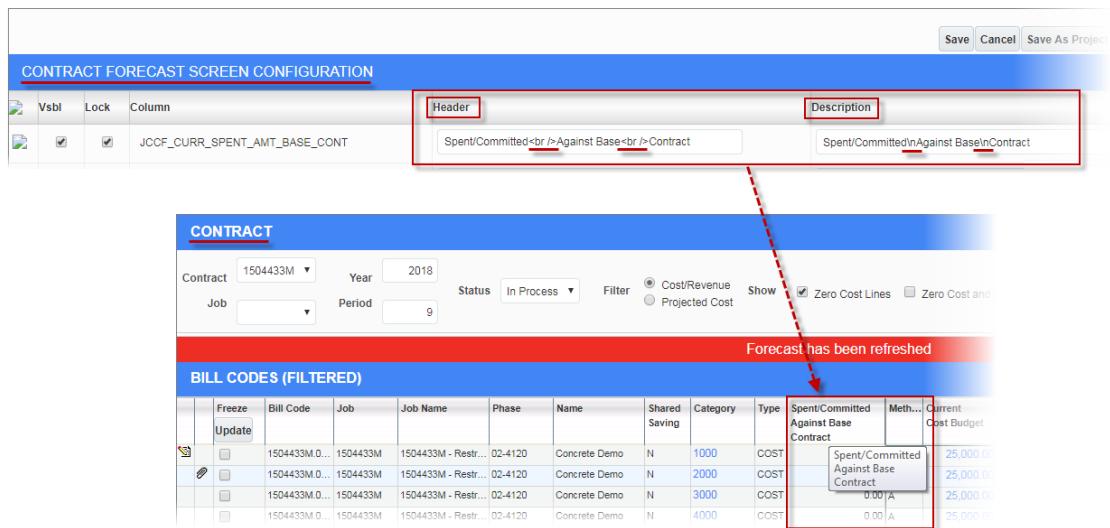
Pop-up window launched from [Configure View] button on Contract Forecast with PCI Projections screen

The **[Configure View]** button launches the Contract Forecast Screen Configuration pop-up window. This pop-up window is a column configuration screen that allows users to configure the order of columns, hide columns, adjust the width of columns, and update the names of columns.

The pop-up configuration window lists all the columns in the Contract Forecast with PCI Projections screen and provides the following functionality:

- Drag & Drop: The drag and drop handle icon can be used to change the order of the columns. Users can save a particular configuration as a default to a specific project or as a default to the entire system.
- Vsbl: This checkbox hides/shows a column. If checked, the column is visible and vice versa. In addition, if any column in the Contract Forecasting with PCI Projections screen is hidden due to security privileges, this checkbox is ignored.
- Lock: This checkbox locks/unlocks a column. If checked, locked columns will appear on the left side of the screen and remain in the frozen area when scrolling screen left or right.
- Column: The table Column field name is read-only.
- Header: The description entered in this field appears as the table column header in the Contract Forecast with PCI Projections screen. (This field replaces the prompt maintenance functionality.)

NOTE: The Header field uses the
 tag to indicate line breaks in the table column header displayed and the Description field uses \n tag to indicate line breaks in the tooltip description displayed.



- **Description:** The description entered here appears when a user hovers over the column header in the Contract Forecasting with PCI Projections screen.
- **Width:** The width of any column can be set here, as required. This includes setting the width for locked columns. A width can't be decreased beyond the minimum required value for that particular column. For some columns, the minimum width value is "40". For others, it is calculated by measuring the width of longest word in the column header. This requirement is in place to ensure that column headings are not being cut by width value in column configuration. If the width is less than the width of longest word in the heading, then the system will recalculate it.

NOTE: If the user wishes to hide a column that also uses an override indicator column, the override indicator column can also be hidden.

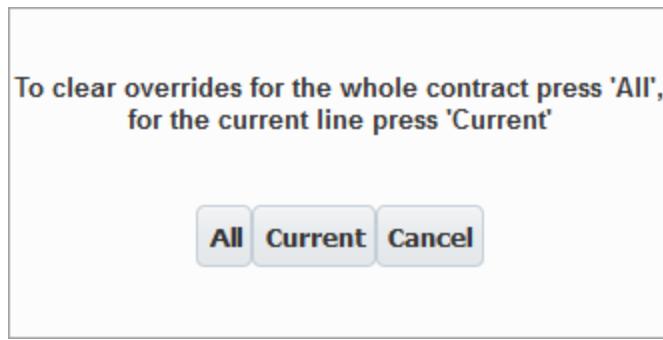
The pop-up configuration screen has the following buttons:

- **[Save]:** This button saves the column configuration for the current user and particular project. No other user under that project will have this user's configuration.

- **[Cancel]**: This button closes the column configuration pop-up screen without saving any changes made in the pop-up for that instance.
- **[Save as Project Default]**: This button saves the column configuration for the current user and all other users under that project if they have not saved any particular configuration for that project.
- **[Save as System Default]**: This button saves the column configuration for the system. Users who don't have user/project configurations set up will be updated with this configuration set as the system default.
- **[Reset to Project Default]**: This button will update the layout for the current user and project to the configuration saved as the project default. If no configuration is saved as project default, the system default will be used instead if the user clicks this button.
- **[Reset to System Default]**: This button removes all the configurations set up as project default or saved for combination of user and project for the current user. It will not supersede the configuration of other users, if any have been set up.

NOTE: Field security can be applied to the **[Configure View]** button, **[Save as System Default]** button, **[Save as Project Default]** button, and **[Reset to System Default]** button.

[Clear Overrides] – Button



Pop-up window launched from the [Clear Overrides] button on the Contract Forecast with PCI Projections screen

The **[Clear Overrides]** button allows the user to completely remove overridden values on all or the current line and revert to system-calculated values.

- Clear Override on a Single Line: If users clear an override using the [**Current**] button in the pop-up window, all the overrides of the current bill code line in focus will be cleared and populated with system-generated values.
- Clear Override on All Lines: The [**All**] button in the pop-up window will clear the overridden values of all the bill codes of the forecasted period and revert them to system-generated values.

NOTE: An alert message “Clearing or Retrieving all overrides is rarely used and cannot be undone. Are you sure you want to proceed?” will appear when users choose [**All**] option in the pop-up window when using [**Clear Overrides**], [**Refresh**], or [**Retrieve Overrides**] button functionality.

The [**Clear Overrides**] considers risk in the PCI Cost to Complete column. Users must refresh the Contract Forecast with PCI Projections screen to get the Projected Cost Forecast column to reflect the risk values as well.

The following provides more details on the [**Clear Overrides**] functionality:

- When no history of forecast stored for a contract:
 - For a contract with no history of forecasts stored, initially, all columns in contract forecast have system-generated values for the first time. Users may override and store the very first forecast as required.
 - Clear override using [**Current**] button will clear the overridden values for the line in focus and revert back to system-generated values.
 - Clear override using [**All**] button will clear all the override values for the entire contract and revert all values to system-generated values.
- When JC Control > ‘Copy Last Stored Forecast’ box is unchecked: The overridden values will not be carried forward to the next forecasting period and all columns will have system-generated values.
- When JC Control > ‘Copy Last Stored Forecast’ box is checked: The overridden values will be carried forward to the next forecasting period for the very first time. All the overrides (inside drill-down and on the forecasting line for A, P and U) will be carried

forward as well and the rest of the values will be system-generated. Clearing overrides in the next period using the [ALL] button will revert all the overridden values to system-generated values except the overrides in the Cost Detail drill-down for A type lines.

NOTE: Once clear overrides is performed, there is no way of carrying forward the overrides from the previous period.

NOTE: When users enter the year/period for a contract and press [Go], the forecast details are displayed, and they are stored automatically in the table for the specific period.

The [**Clear Overrides**] button clears the overrides, on all or the current line, and has the system calculate all the values, without overrides being brought in from the previously stored forecast, regardless of whether the 'Copy Last Stored Forecast' checkbox is checked or not on the Job Costing Control File (standard Treeview path: Job Costing > Setup > Local Tables > Control File – Forecasting tab).

The [**Refresh**] button brings in new costs and only recalculates any overrides that are already in the current forecast based on the rules below.

Rules:

1. The 'Copy Last Stored Forecast' checkbox in the Job Cost Control screen is checked, and the budget method is A.
 - a) Upon entering a new forecast, when a previous forecast has been stored, the Projected Cost Forecast will be set to the Projected Cost Forecast from the previously stored forecast if the Projected Cost Forecast was overridden in the previously stored forecast - unless one or both of the following conditions are true:
 - i) If the program calculates that the expected final costs will exceed the Projected Cost Forecast from the previously stored forecast. The calculation should be based on the Projected Final Type setting (standard Treeview path: Job Costing > Job > Enter Budget – Projected Final Type column). Note that the Cost Budget is initially

defaulted as the Projected Final amount, but the Cost Budget should not be considered in this calculation. The forecast writes back to the Job Budget table when the user overrides the Projected Cost Forecast in the forecast screen.

NOTE: The Projected Final Flag field is initially set on the Job Cost Control File screen (standard Treeview path: Job Costing > Setup > Local Tables > Control File – Job Setup tab). The setting defined on the Job Cost Control File defaults to the Projected Final Type column on the JC Enter Budget screen (standard Treeview path: Job Costing > Job > Enter Budget). In most cases, users will not be changing this setting on the JC Enter Budget screen. The program will automatically calculate the expected costs at the completion of the job, based on the setting in this field.

The settings are as follows: “C” to use committed costs only; “S” to use spent to date amounts only; and “L” to use the larger of the spent or committed amount.

- ii) If the Current Cost Budget has changed from the last stored forecast.
- b) If one or both of the above conditions are true, and the system calculates a Projected Cost Forecast that is different from the previously stored forecast, and the user had overridden the Projected Cost Forecast in the previously stored forecast, then the program will function as follows:
 - i) The Cost to Complete will be calculated as the Projected Cost Forecast minus Spent/Committed (per the Projected Final Flag field setting).
 - ii) The Override checkmark will be cleared.
 - iii) The Projected Cost Forecast field will be highlighted in light red.
 - iv) If there are detail lines in the Cost to Complete pop-up window,

then the Cost to Complete field should be highlighted in light red.

Examples:

Spent/Committed less than Overridden Projected Cost Forecast

Standard CTC Pop Up	Current Budget	Spent/Committed Total	Cost to Complete	Projected Cost Forecast
Previous Forecast	100,000	70,000	10,000	80,000
System Calc	100,000	75,000	25,000	100,000
Current Forecast	100,000	75,000	5,000	80,000

Spent/Committed greater than Overridden Projected Cost Forecast

Standard CTC Pop UP	Current Budget	Spent/Committed Total	Cost to Complete	Projected Cost Forecast
Previous Forecast	100,000	70,000	10,000	80,000
System Calc	100,000	85,000	15,000	100,000
Current Forecast	100,000	85,000	15,000	100,000

Current Budget Changes

Standard CTC Pop UP	Current Budget	Spent / Committed Total	Cost to Complete	Projected Cost Forecast
Previous Forecast	100,000	70,000	10,000	80,000
System Calc	120,000	85,000	35,000	120,000
Current Forecast	120,000	85,000	35,000	120,000

Recalculated Projected Cost Forecast based on Enhanced Popup Rules

Enhanced CTC Popup	Current Budget	Spent / Committed Total	Cost to Complete	Projected Cost Forecast
Previous Forecast	100,000	70,000	10,000	80,000
System Calc	100,000	75,000	25,000	100,000
Current Forecast	100,000	75,000	8,000	83,000

2. The 'Copy Last Stored Forecast' checkbox in the Job Cost Control screen is checked, and the budget method is P or U.
 - a) Upon entering a new forecast, when a previous forecast has been stored, the Projected Cost Forecast will be set to the Projected Cost Forecast from the previously stored forecast if the Projected Cost Forecast was overridden in the previously stored forecast - unless one or both of the following conditions are true:

- i) If the program calculates that the expected final costs will exceed the Projected Cost Forecast from the previously stored forecast. The calculation should be based on the Current Output Rate and the Projected Output Quantity.
 - ii) If the Current Cost Budget has changed from the last stored forecast.
- b) If one or both of the above conditions are true, and the system calculates a Projected Cost Forecast that is different from the previously stored forecast, and the user had overridden the Projected Cost Forecast in the previously stored forecast, then the program will function as follows:
- i) The Cost to Complete will be calculated as the Projected Cost Forecast minus Spent/Committed (per the Projected Final Type field setting).
 - ii) The Override checkmark will be cleared.
 - iii) The Projected Cost Forecast will be highlighted in light red.
 - iv) The Projected Input Units will be recalculated based on the Current Productivity. (Note that the program always recalculates this value if the user overrides the Projected Cost Forecast without using the Cost to Complete pop-up window.)

[Refresh] – Button

The [Refresh] button is used to update data for the forecasting period from that previously stored and bring in any new data created after the original storage. Refresh may be performed for [Current] or [All] detail lines, by clicking on the required button in the confirmation pop-up.

For example, refresh could be performed to include newly added bill codes to the forecast that were added to the contract.

NOTE: An alert message “Clearing or Retrieving all overrides is rarely used and cannot be undone. Are you sure you want to proceed?” will appear when users choose [All]

option in the pop-up window when using [**Clear Overrides**], [**Refresh**], or [**Retrieve Overrides**] button functionality.

[**Store Forecast**] – Button

The [**Store Forecast**] button is visible to those users with the PM role privilege ‘Store Forecast’ checked on their project role (standard Treeview path: CMiC Field > Security > Project Roles). The default is unchecked, and the button will not be visible to any of the system users until assigned to specific roles.

The store forecast function is used to store the projections and updates the WIP information if the Job Cost Control file is set to use contract forecasting as the source for WIP amounts (standard Treeview path: Job Costing > Setup > Local Tables > Control File – WIP tab). When users enter a year and period, and press [**Go**] button, the forecasting is automatically generated and stored in the database.

NOTE: It is not necessary to use the [**Store Forecast**] button as the [**Save**] button function commits all the overrides performed on the column values. The [**Store Forecast**] button actually sends the updates to WIP for the specific period.

If ‘Allow Archiving on Store Forecast’ is checked in the Project System Options screen (standard Treeview path: CMiC Field > File Maintenance > Project System Options – Contract Forecast tab), then this value will default into the pop-up window launched from the [**Store Forecast**] button, which users may override as required. When this option is checked in the pop-up window, upon forecast, the Archive function will also be performed.

This function will store the forecast details as a snapshot for the contract or controlling job as queried on the screen in a table named JCCONTFORECAST_JSP_ARCHIVE. This stored data from CMiC Field’s Contract Forecast with PCI Projections screen may be used for any analysis in the future.

Contract Forecasting with PCI Projections - R12

[Contract Summary] – Button

CONTRACT SUMMARY																Close
Job Code	Job Name	Proj Cost Budget	Cost Forecast	Proj Bill Budget	Revenue Forecast	Adj Rev Forecast At Bill Code Level	Lost Revenue At Bill Code Level	Max Job Billing At Job Level	Adj Rev Forecast At Job Level	Lost Revenue At Job Level	Total Lost Revenue	Projected Budget Fee	Forecast Fee	Adjusted Fee	Earned Revenue	
1504433M	1504433M - Restrict Certain Categories in RQ & PO	49,103.04	146,328.75	49,103.04	219,493.13	49,103.04	-170,390.09	49,103.04	0.00	-170,390.09	0.00	73,164.38	-97,225.71	-66,477.93		
Total (1 row)																
		49,103.04	146,328.75	49,103.04	219,493.13	49,103.04	-170,390.09	49,103.04	0.00	-170,390.09			-97,225.71	-66,477.93		
								Max Contract	0.00	Lost Revenue At Contract	0.00		Total Adjusted Fee	-97,225.71		
								Adj Rev Forecast At Contract	49,103.04	Total Lost Revenue	-170,390.09					

Pop-up window launched from the [Contract Summary] button on the Contract Forecast with PCI Projections screen

The Contract Summary pop-up window provides summary information for all the jobs under the contract, with key column values for cost, revenue, and lost revenue if any.

Field security can be applied to the [Contract Summary] button, if required (standard Treeview path: CMiC Field > Security > Role Maintenance).

NOTE: The Contract Summary columns may not be secured/hidden selectively. Users have only one option: to secure access to the button itself.

[Notes] – Button

NOTES							Add Note	Close
Number	By	Date	Subject	Note	Closed	Action		
1	Database Administrator	11-OCT-2018 04:17 PM	Period 2018/9	Note for Project 1504433M with Contract Forecast with PCI Projections.	N	 	Close	

Pop-up window launched from the [Notes] button on the Contract Forecast with PCI Projections screen

The pop-up window launched from the [Notes] button allows users to maintain notes specific to a forecasting period against each individual bill code line item and may be carried forward to the next forecasting period depending on if 'Notes to be Carried Forward through Periods' checkbox is checked on the Job Cost Control File screen (standard Treeview path: Job Costing > Setup > Local Tables > Control File – Forecasting tab).

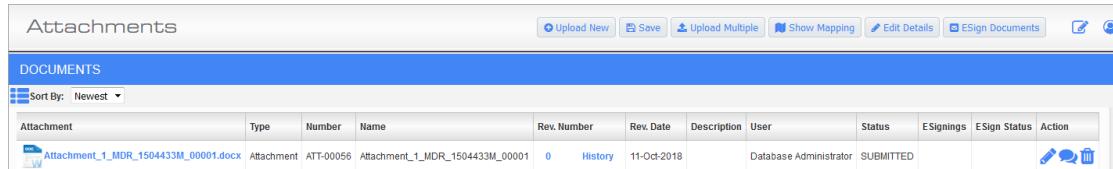
Since notes are entered against each individual line item, users must select a line before clicking on the **[Notes]** button.

The notes column displays a notepad icon if there are notes entered against a bill code. Users can click on the icon to open the Notes pop-up window, where they may review existing notes or add any new notes, as required.

If the user overrides a column value, tabs off the field and clicks on an existing notes icon before saving or cancelling the override, the override will be automatically saved. In addition, if the user overrides a column value, stays on the same field without tabbing off, and then clicks the **[Notes]** button, the program will automatically save the overridden value and open the Notes pop-up window. Users should be aware that overrides may not be limited to one field and all overridden values on a record will be auto-saved.

NOTE: Labels “N” for Notes and “Att” for Attachments can be added to the Notes and Attachments column headings by clicking on **[Configure View]** in the Main Toolbar and updating the Header field for the column in the Contract Forecast Screen Configuration screen. Users may need to click on the **[Reset to System Default]** button in column configuration functionality to see the labels.

[Attachments] – Button



Pop-up window launched from the [Attachments] button on the Contract Forecast with PCI Projections screen

The pop-up window launched from the **[Attachments]** button allows users to upload documents with the standard CMiC Field document upload functions.

Since attachments are entered against a line item in each period, users must select a line before clicking on the **[Attachments]** button. Users cannot carry forward the attachments to future periods.

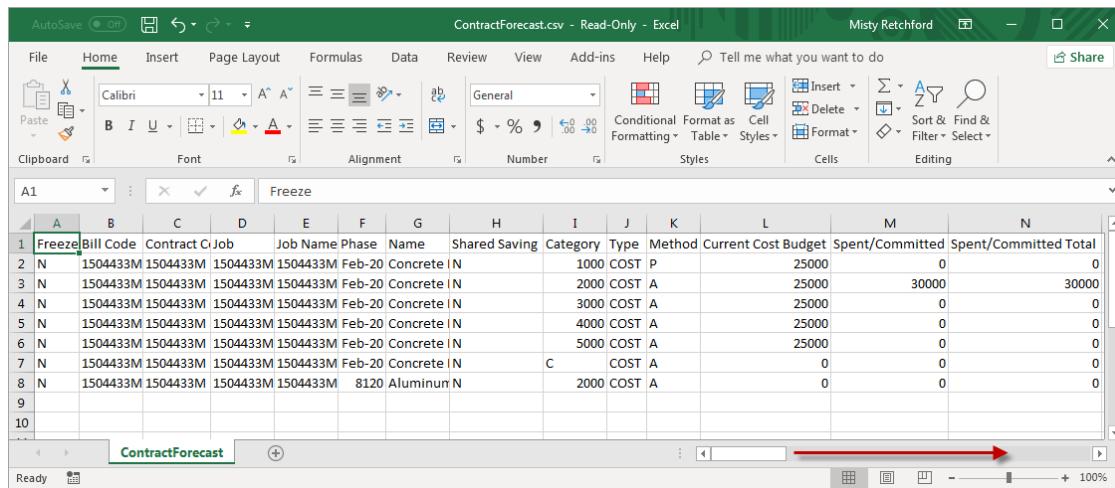
The attachments column displays an attachment icon if attachments exist against a line item. Users can click on the icon to open the Attachments pop-up window, where they may review existing attachments or add any new ones, as required.

NOTE: The Contract Forecast with PCI Projections screen will save any changes to the screen when the **[Attachments]** button is clicked to prevent any overrides from being lost.

[Send to Spreadsheet] – Button

The **[Send to Spreadsheet]** functionality can be used with CMiC MIP (Microsoft Integration Program). Users can send data from the contract forecast columns to spreadsheet, either based on a previously stored template or without a template. This allows users to perform further analysis on the forecasting details.

Field security can be applied to the **[Send to Spreadsheet]** button, if required.



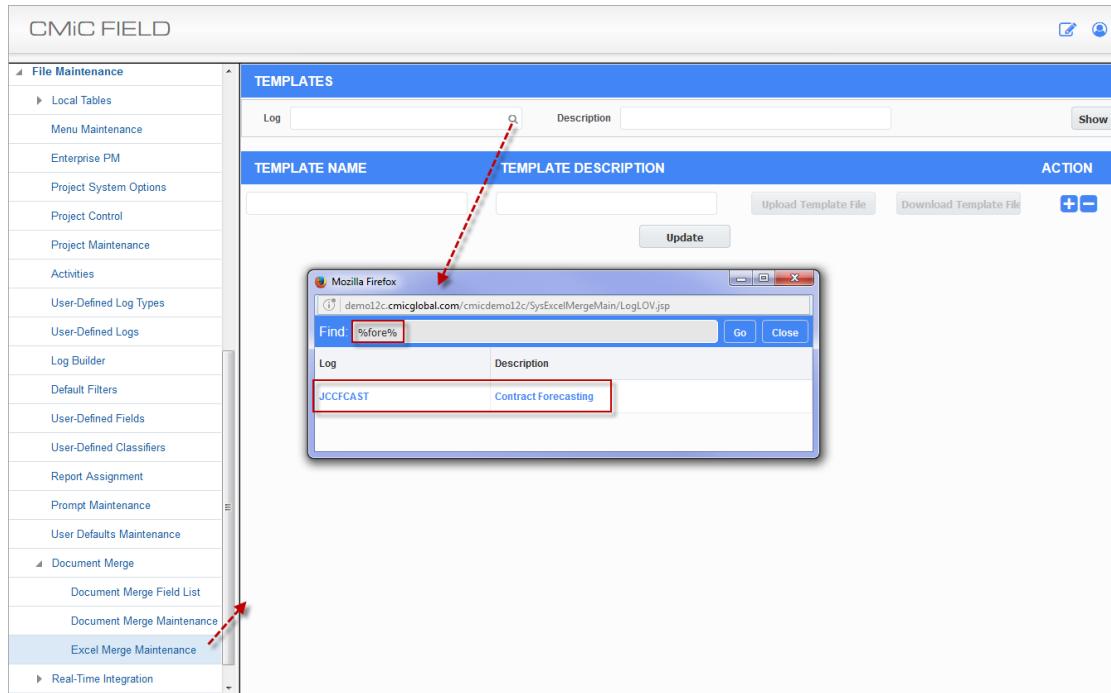
A screenshot of Microsoft Excel showing a spreadsheet titled "ContractForecast.csv - Read-Only - Excel". The spreadsheet contains data for a contract forecast, with columns including Bill Code, Contract C, Job, Job Name, Phase, Name, Shared Saving, Category, Type, Method, Current Cost, Budget, Spent/Committed, and Spent/Committed Total. The data shows various entries for concrete and aluminum items across different phases and cost types. A red arrow points to the status bar at the bottom right of the Excel window, which displays "100%".

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
1	Freeze	Bill Code	Contract C	Job	Job Name	Phase	Name	Shared Saving	Category	Type	Method	Current Cost	Budget	Spent/Committed	Spent/Committed Total
2	N	1504433M	1504433M	1504433M	1504433M	Feb-20	Concrete	I	N	1000	COST	P	25000	0	0
3	N	1504433M	1504433M	1504433M	1504433M	Feb-20	Concrete	I	N	2000	COST	A	25000	30000	30000
4	N	1504433M	1504433M	1504433M	1504433M	Feb-20	Concrete	I	N	3000	COST	A	25000	0	0
5	N	1504433M	1504433M	1504433M	1504433M	Feb-20	Concrete	I	N	4000	COST	A	25000	0	0
6	N	1504433M	1504433M	1504433M	1504433M	Feb-20	Concrete	I	N	5000	COST	A	25000	0	0
7	N	1504433M	1504433M	1504433M	1504433M	Feb-20	Concrete	I	N	C	COST	A	0	0	0
8	N	1504433M	1504433M	1504433M	1504433M	8120	Aluminum	N		2000	COST	A	0	0	0
9															
10															

Example of contract forecast exported to spreadsheet

Users can create their own templates using the Excel Merge Maintenance screen. The log to select in this screen is “JCCFCAST – Contract Forecasting”, as shown in the screenshot below.

Contract Forecasting with PCI Projections - R12



Excel Merge Maintenance; standard Treeview path: CMiC Field > File Maintenance > Document Merge > Excel Merge Maintenance

[Percent Complete] – Button

The screenshot shows the 'Contract Forecast with PCI Projection Summary' screen. At the top right, there is a button labeled '[Percent Complete]'. A red arrow points from this button to a pop-up window titled 'Year End Percent Complete Forecast - Google Chrome'. The pop-up window displays a table with columns for Period, Cost, Revenue, Profit, and Period Variance. The table includes data for April 2019, Current Period, Previous Years, and Future Years. The bottom right corner of the pop-up window shows a message: 'Displayed: 4 pages 181 records total'.

Pop-up window launched from the [Percent Complete] button on the Contract Forecast with PCI Projections screen

The pop-up window launched from the [Percent Complete] button is used to view historical revenue, cost, and profit forecasting and cost information, as well as to enter forecasted completion percentages for current and future years.

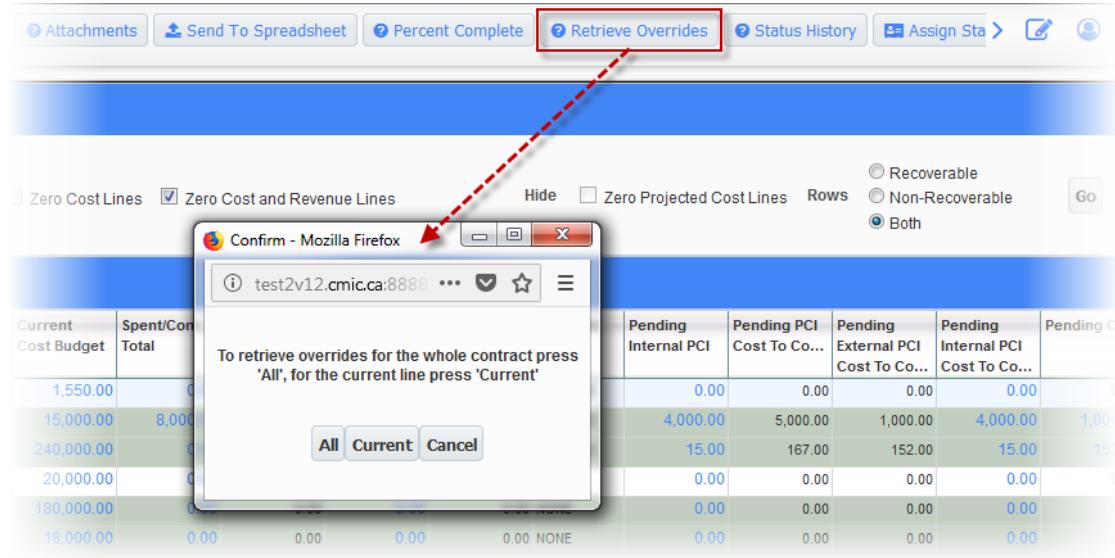
NOTE: The [Percent Complete] button is a custom alternate feature which is disabled by default and needs to be enabled in the da.SYS_ALTERNATE_FEATURE table by adding the following entry: JC: CONTRACT FORECAST ADDITIONAL POP-UP SCREEN. Please contact your CMiC consultant if you wish to use this alternate feature.

This screen allows users to view spend rates from previous periods and current year remaining amounts to guide them in determining an accurate percent complete forecast for the current year and future years.

Before clicking on the [Percent Complete] button, a job must be selected in the Job field of the Contract header section.

NOTE: In order for data to be populated in the Previous Years section of the Year End Percent Complete pop-up window, data must exist in the Enter WIP Adjustments screen for prior years in the Job Costing module (standard Treeview path: Job Costing > Forecasting > Work-In-Process Adjustments > Enter and Post Adjustments).

[Retrieve Overrides] – Button



Pop-up window launched from the [Retrieve Overrides] button on the Contract Forecast with PCI Projections screen

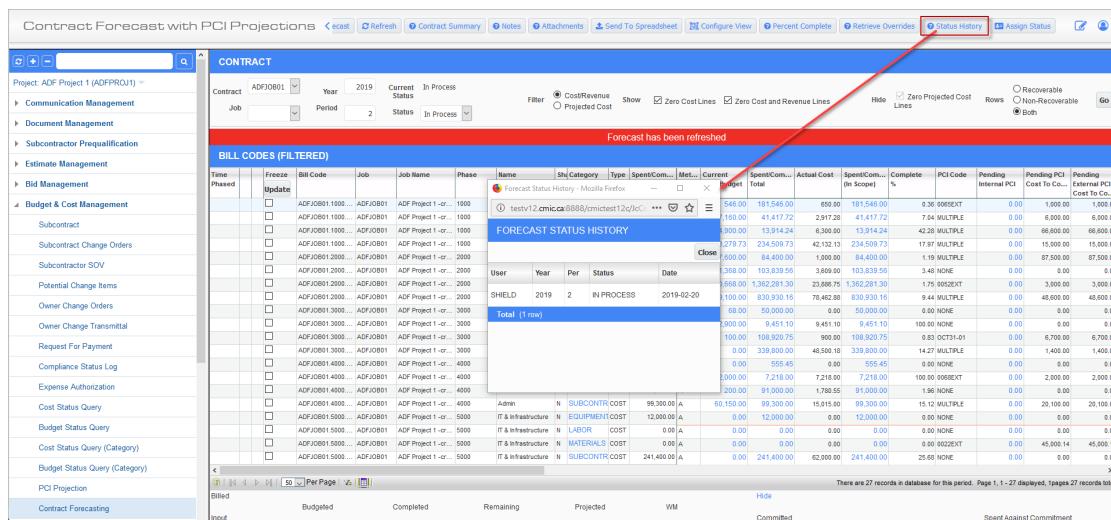
The [Retrieve Overrides] button is used to retrieve overrides from the last period, if available. This is regardless of whether the budgeted amounts have changed since the last forecast.

Users can select [All] in the pop-up window to retrieve overrides for the entire contract or select [Current] to retrieve overrides for the current line.

NOTE: An alert message “Clearing or Retrieving all overrides is rarely used and cannot be undone. Are you sure you want to proceed?” will appear when users choose [All] option in the pop-up window when using [Clear Overrides], [Refresh], or [Retrieve Overrides] button functionality.

Field security can be applied to the [Retrieve Overrides] button, if required (standard Treeview path: CMiC Field > Security > Role Maintenance).

[Status History] – Button



Pop-up window launched from the [Status History] button on the Contract Forecast with PCI Projections screen

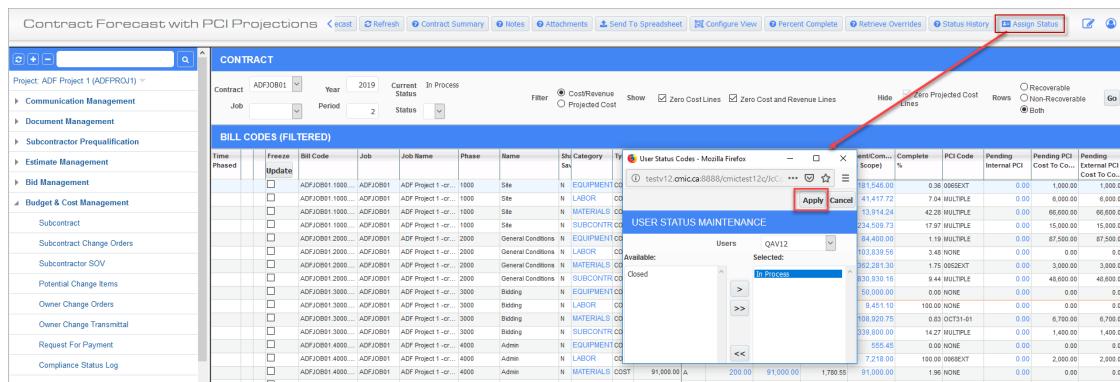
The [Status History] button launches a pop-up window that displays the history of status updates that have occurred for the selected contract.

Users can change the status of a forecast using the Status field drop-down menu, located in the Contract header section of the screen. The forecast is automatically updated with the selected status and the pop-up window launched from the [Status History] button will display the change.

Users with the PM Role privilege ‘Notify on Forecast Status Change’ will receive an email notification detailing that a forecast status change has occurred. This privilege is located in the “Other” section under the PM Roles screen (standard Treeview path: CMiC Field > Security > Project Roles). The email will include the contract code and the status to which the forecast has been changed.

Field security can be assigned to the **[Status History]** button, if required.

[Assign Status] – Button



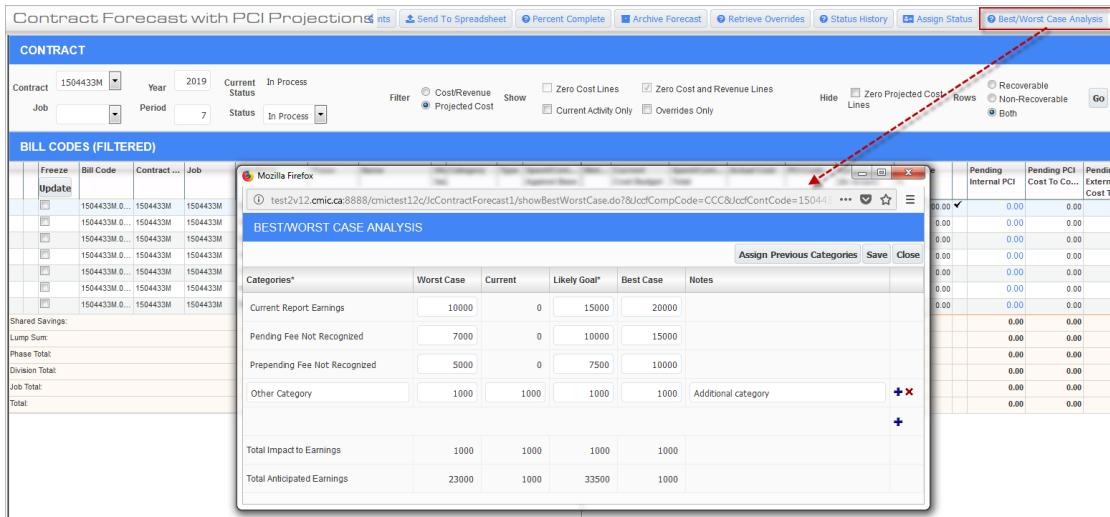
Pop-up window launched from the [Assign Status] button on the Contract Forecast with PCI Projections screen

The **[Assign Status]** button allows the current user to assign one or more statuses to a selected user, to be included in the list of available statuses in the Status field drop-down menu in the Contract (Header) section.

Field security can be assigned to the **[Assign Status]** button, if required.

Forecast status codes are created in the [Forecast Status Maintenance](#) screen.

[Best/Worst Case Analysis] – Button



Pop-up window launched from the [Best/Worst Case Analysis] button on the Contract Forecast with PCI Projections screen

This pop-up window is used to perform best/worst case analysis. The values in the Current column for Current Report Earnings, Pending Fee Not Recognized, and Prepending Fee Not Recognized populate automatically from the forecast and are read-only. For newly added categories, the Current column is enabled. The remaining fields in the pop-up window can be entered manually.

The Pending Fee Not Recognized column will include all PCIs with status pending that are flagged to be included in the forecast and the Prepending Fee Not Recognized column will include all PCIs with status pre-pending that are flagged to be included in the forecast. The Current Report Earnings will be calculated as projected profit total from contract forecast less (the Pending Fee Not Recognized plus the Prepending Fee Not Recognized).

New user-defined categories can be created on the fly directly from the pop-up window.

The **[Assign Previous Categories]** can also be used to assign previously created user-defined categories.

[Archive] – Button

The **[Archive]** button functionality can be used to store a snapshot of the contract forecasting in a table, where all the column values from the contract forecasting screen will

be dumped. This will be useful when users want to compare the contract forecasting values in a period with the archived values and analyze the cause and effects of the differences. This may be required in specific scenarios such as forecast has been stored and then a posted PCI is unposted or status changed to “rejected” or “cancelled”, affecting the following period forecasting.

The Archive function may be performed as per user requirements and on regular intervals. When the button is pressed, the confirmation dialogue pops up and users may accept to store the archive. The system will store only one set of records on any system date and pressing multiple times on a single day will simply overwrite the values in the tables.

Users should be aware that storing the archive in an unplanned manner will simply create large amounts of data using up system resources. Users should use their discretion and when a forecast is considered complete in a specific period and stored, then archive the forecast. Alternately, a snapshot of the forecast on a specific day of the week may be stored as well.

Archives help reconcile the stored values in the WIP screen compared to the contract forecasting values.

There are no queries and reports for the Archive function. Users can use their query tools for data retrieval and analysis.

Field security can be applied to the **[Archive]** button, if required (standard Treeview path: CMiC Field > Security > Role Maintenance).

NOTE: If ‘Allow Archiving on Store Forecast’ is checked in Project System Options (standard Treeview path: CMiC Field > File Maintenance > Project System Options – Contract Forecast tab), then this value will default into the pop-up window launched from the **[Store Forecast]** button, which users may override as required. When this option is checked in the pop-up window, upon forecast, the Archive function will also be performed.

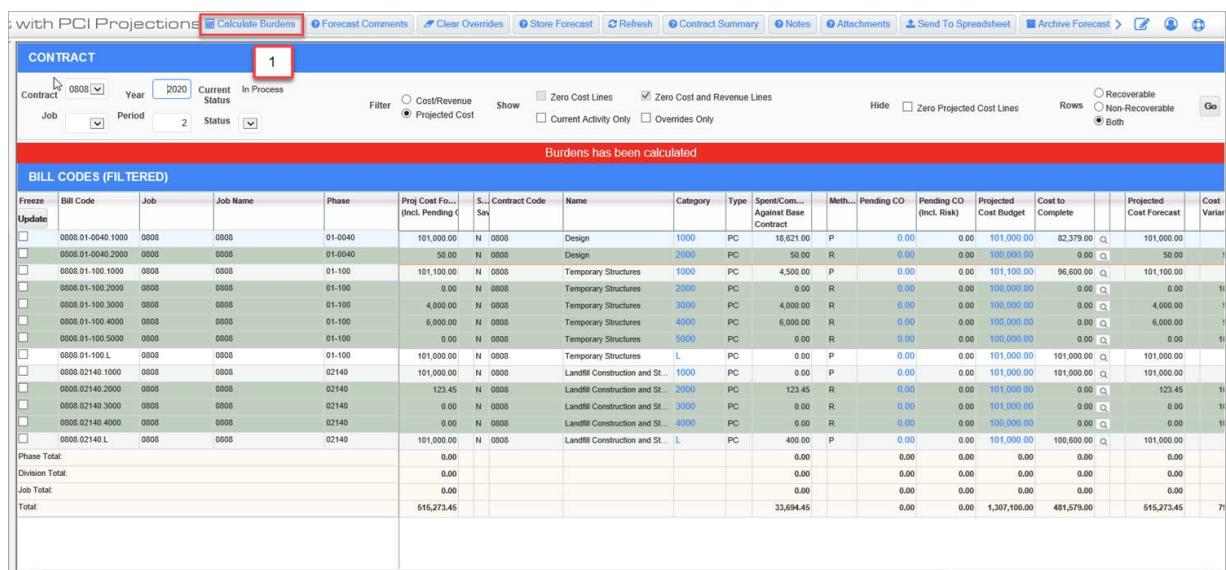
Users should note the following:

- When selecting the 'Contract Code' option and querying the stored forecast, only those details for the specific contract are queried and displayed. The Archive function will store all these records in the table.
- When a forecast is queried for a controlling job, then the Archive function will store details as queried for all main/sub jobs, regardless of the contract code.
- Users may press the [Archive] button as many times as required, and on a single day, the records for the contract/controlling job will be overwritten and the net result will be one set of records per day stored in the table.
- Subsequent pressing of the [Archive] button on the following days will store a new set of archive details with the audit information of archive date with time.
- Any overrides must be committed (saved) and then re-queried and archived again, in order to update the archive data.

Confirmation Message Banners

A confirmation message banner is displayed after successful completion of the following functions:

- Calculate Burdens



The screenshot shows the PCI Projections software interface. At the top, there is a toolbar with various buttons like 'Calculate Burdens', 'Forecast Comments', 'Clear Overrides', etc. A red box highlights the 'Calculate Burdens' button. Below the toolbar, there is a header section with 'CONTRACT' and a status indicator '1'. The main area is a grid titled 'BILL CODES (FILTERED)' showing various cost entries. A red box highlights the text 'Burdens has been calculated' which appears above the grid. The grid columns include: Freeze, Bill Code, Job, Job Name, Phase, Proj Cost F... (Incl. Pending C...), S... Contract Code, Name, Category, Type, Spent/Cost... Against Base Contract, Meth..., Pending CO, Pending CO (Incl. Risk), Projected Cost Budget, Cost to Complete, Projected Cost Forecast, and Cost Varian. The data in the grid includes various job codes, names like 'Design', 'Temporary Structures', and 'Landfill Construction and St...', and numerical values for costs and pending amounts.

Contract Forecasting with PCI Projections - R12

- Clear Overrides

BILL CODES (FILTERED)

Freeze	Bill Code	Job	Job Name	Phase	Proj Cost Fo... (Incl. Pending C Sav)	S... Contract Code	Name	Category	Type	Spent/Com... Against Base Contract	Meth...	Pending CO	Pending CO (Incl. Risk)	Projected Cost Budget	Cost to Complete	Projected Cost Forecast	Cost Varia...
<input type="checkbox"/>	0808.01-0040.1000	0808	0808	01-0040	101,000.00	N 0808	Design	1000	PC	18,621.00	P	0.00	0.00	101,000.00	82,379.00 Q	101,000.00	
<input checked="" type="checkbox"/>	0808.01-0040.2000	0808	0808	01-0040	50.00	N 0808	Design	2000	PC	50.00	R	0.00	0.00	100,000.00	0.00 Q	50.00	
<input type="checkbox"/>	0808.01-100.1000	0808	0808	01-100	101,100.00	N 0808	Temporary Structures	1000	PC	4,500.00	P	0.00	0.00	101,100.00	96,600.00 Q	101,100.00	

- Store Refresh

BILL CODES (FILTERED)

Freeze	Bill Code	Job	Job Name	Phase	Proj Cost Fo... (Incl. Pending C Sav)	S... Contract Code	Name	Category	Type	Spent/Com... Against Base Contract	Meth...	Pending CO	Pending CO (Incl. Risk)	Projected Cost Budget	Cost to Complete	Projected Cost Forecast	Cost Varia...
<input type="checkbox"/>	0808.01-0040.1000	0808	0808	01-0040	101,000.00	N 0808	Design	1000	PC	18,621.00	P	0.00	0.00	101,000.00	82,379.00 Q	101,000.00	
<input checked="" type="checkbox"/>	0808.01-0040.2000	0808	0808	01-0040	50.00	N 0808	Design	2000	PC	50.00	R	0.00	0.00	100,000.00	0.00 Q	50.00	
<input type="checkbox"/>	0808.01-100.1000	0808	0808	01-100	101,100.00	N 0808	Temporary Structures	1000	PC	4,500.00	P	0.00	0.00	101,100.00	96,600.00 Q	101,100.00	

- Refresh

BILL CODES (FILTERED)

Freeze	Bill Code	Job	Job Name	Phase	Proj Cost Fo... (Incl. Pending C Sav)	S... Contract Code	Name	Category	Type	Spent/Com... Against Base Contract	Meth...	Pending CO	Pending CO (Incl. Risk)	Projected Cost Budget	Cost to Complete	Projected Cost Forecast	Cost Varia...
<input type="checkbox"/>	0808.01-0040.1000	0808	0808	01-0040	101,000.00	N 0808	Design	1000	PC	18,621.00	P	0.00	0.00	101,000.00	82,379.00 Q	101,000.00	
<input checked="" type="checkbox"/>	0808.01-0040.2000	0808	0808	01-0040	50.00	N 0808	Design	2000	PC	50.00	R	0.00	0.00	100,000.00	0.00 Q	50.00	
<input type="checkbox"/>	0808.01-100.1000	0808	0808	01-100	101,100.00	N 0808	Temporary Structures	1000	PC	4,500.00	P	0.00	0.00	101,100.00	96,600.00 Q	101,100.00	
<input type="checkbox"/>	0808.01-100.2000	0808	0808	01-100	0.00	N 0808	Temporary Structures	2000	PC	0.00	R	0.00	0.00	100,000.00	0.00 Q	0.00	
<input type="checkbox"/>	0808.01-100.3000	0808	0808	01-100	4,000.00	N 0808	Temporary Structures	3000	PC	4,000.00	R	0.00	0.00	100,000.00	0.00 Q	4,000.00	
<input type="checkbox"/>	0808.01-100.4000	0808	0808	01-100	6,000.00	N 0808	Temporary Structures	4000	PC	6,000.00	R	0.00	0.00	100,000.00	0.00 Q	6,000.00	
<input type="checkbox"/>	0808.01-100.5000	0808	0808	01-100	0.00	N 0808	Temporary Structures	5000	PC	0.00	R	0.00	0.00	100,000.00	0.00 Q	0.00	

- Archive Forecast

BILL CODES (FILTERED)

Freeze	Bill Code	Job	Job Name	Phase	Proj Cost Fo... (Incl. Pending C Sav)	S... Contract Code	Name	Category	Type	Spent/Com... Against Base Contract	Meth...	Pending CO	Pending CO (Incl. Risk)	Projected Cost Budget	Cost to Complete	Projected Cost Forecast	Cost Varia...
<input type="checkbox"/>	0808.01-0040.1000	0808	0808	01-0040	101,000.00	N 0808	Design	1000	PC	18,621.00	P	0.00	0.00	101,000.00	82,379.00 Q	101,000.00	
<input checked="" type="checkbox"/>	0808.01-0040.2000	0808	0808	01-0040	50.00	N 0808	Design	2000	PC	50.00	R	0.00	0.00	100,000.00	0.00 Q	50.00	
<input type="checkbox"/>	0808.01-100.1000	0808	0808	01-100	101,100.00	N 0808	Temporary Structures	1000	PC	4,500.00	P	0.00	0.00	101,100.00	96,600.00 Q	101,100.00	
<input type="checkbox"/>	0808.01-100.2000	0808	0808	01-100	0.00	N 0808	Temporary Structures	2000	PC	0.00	R	0.00	0.00	100,000.00	0.00 Q	0.00	
<input type="checkbox"/>	0808.01-100.3000	0808	0808	01-100	4,000.00	N 0808	Temporary Structures	3000	PC	4,000.00	R	0.00	0.00	100,000.00	0.00 Q	4,000.00	
<input type="checkbox"/>	0808.01-100.4000	0808	0808	01-100	6,000.00	N 0808	Temporary Structures	4000	PC	6,000.00	R	0.00	0.00	100,000.00	0.00 Q	6,000.00	
<input type="checkbox"/>	0808.01-100.5000	0808	0808	01-100	0.00	N 0808	Temporary Structures	5000	PC	0.00	R	0.00	0.00	100,000.00	0.00 Q	0.00	

Contract Forecasting with PCI Projections - R12

- Retrieve Overrides

The screenshot shows the 'Overrides' tab selected in the top navigation bar. The main area displays a table titled 'BILL CODES (FILTERED)' with several columns including Freeze, Bill Code, Job, Job Name, Phase, Proj Cost Fov... (Incl. Pending C Sav), S..., Contract Code, Name, Category, Type, Against Com... Against Base Contract, Meth..., Pending CO (Incl. Risk), Pending CO (Incl. Risk), Projected Cost Budget, Cost to Complete, Projected Cost Forecast, and Cost Varia. There are two rows of data in the table.

Freeze	Bill Code	Job	Job Name	Phase	Proj Cost Fov... (Incl. Pending C Sav)	S...	Contract Code	Name	Category	Type	Against Com... Against Base Contract	Meth...	Pending CO (Incl. Risk)	Pending CO (Incl. Risk)	Projected Cost Budget	Cost to Complete	Projected Cost Forecast	Cost Varia
<input type="checkbox"/>	0808.01-0040.1000	0808	0808	01-0040	101,000.00	N	0808	Design	1000	PC	18,621.00	P	0.00	0.00	101,000.00	82,379.00	Q	101,000.00
<input type="checkbox"/>	0808.01-0040.2000	0808	0808	01-0040	50.00	N	0808	Design	2000	PC	50.00	R	0.00	0.00	100,000.00	0.00	Q	50.00
	none.n1.100.1000	none	none	none	401,400.00	N	none	Transmission Structures	1000	PC	400,000.00	O	0.00	0.00	401,400.00	0.00	none	401,400.00

Contract Forecasting - Contract (Header)

The screenshot shows the 'Contract' header section. It includes fields for Contract (JB-00001), Year (2019), Current Status (In Process), and Period (1). Below these are filters for Cost/Revenue (selected) and Projected Cost, and checkboxes for Zero Cost Lines, Zero Cost and Revenue Lines, Current Activity Only, and Overrides Only. The bottom right corner shows a 'Go' button.

The Contract header section sets the contract or job, year, and period for forecasting. It also provides a set of filters that allow the user to set the default system parameters for the forecast filter.

There are two ways to perform contract forecasting: using the contract code or using the controlling job option.

NOTE: The job structure can have a controlling job with many sub-jobs. When using the contract code, users must select one contract at a time, then store the forecast as required. When using the Job field, which allows users to select the controlling job code (only controlling job is available in this field) and all bill codes related to the main and sub-jobs will be displayed. Users will be able to forecast, review, override, and store forecast for all contracts in one step.

Contract (Contract Code)

Users can select the required contract code from the LOV to display the bill codes related to the specific contract. However, more than one entry is possible when sub-jobs are set up with their own billing contracts.

For Example:

Job Code

Controlling Job

Billing Contract

1491523M	ALL	1491523M
1491523-S1	1491523M	1491523M
1491523-S2	1491523M	1491523M
1491523-S3	1491523M	1491523-S3

In the case of the contract setup shown above, there will be two entries and users will have to forecast them individually.

Job (Controlling Job Option)

If users select a job code from the LOV (theoretically, there can only be one controlling job in the list, as a project is always mapped with a single job), the Contract code field will be cleared and upon execution, all bill codes related to the billing contracts under this controlling job will be retrieved.

NOTE: Field security can be applied to the Job field, as required.

Selecting a job code facilitates the forecasting of all billing contracts under a controlling job at once.

Users can review, refresh, override and store forecasts, when using this controlling job mode as well. All the standard functions of forecasting are applicable to this mode as well.

Year, Period

The values in the Year and Period fields default from the values entered in the Job Cost Control File (standard Treeview path: Job Costing > Setup > Local Tables > Control File – Forecasting tab).

Current Status

This is a display-only field that displays the current status of the forecast period of a contract.

Status

The default value for the Status field is “In Process”.

NOTE: The **[Assign Status]** button in the Main Toolbar allows the current user to assign one or more statuses to a selected user, to be included in the list of available statuses in the Status field drop-down menu in the Contract (Header) section.

When users decide that no further updates/changes/overrides can be made to the specific forecast period of a contract, they can set the status as “Closed” from the drop-down menu.

Before changing the status, users must first click the **[Go]** button to either create the forecast for the very first time or load the previously stored forecast.

Once the status is set to “Closed”, the forecast columns are display-only, and no more updates are possible. All the buttons on the screen will be hidden except for **[Go]** and **[Send to Spreadsheet]**.

NOTE: When users open any previously stored or future period forecast, the system will display the status as “In Process”, unless the forecast was explicitly “Closed” by the users. If users go back to a period which was not manually closed, the status will show as “In Progress”, but all fields will be display-only.

Once a forecast status is set to “Closed”, the forecast can only be returned to “In Process” if the user has the PM Role privilege ‘Allow To Open Current Forecast’. This privilege is located in the “Other” section under the PM Roles screen (standard Treeview path: CMiC Field > Security > Project Roles). The default value is unchecked. Once the forecast status is changed back to “In Process”, all the buttons and columns will be enabled for users to access and update as required.

The status is independent of each billing contract. The main job contract may have a status “In Process”, while the sub-job contract may have a “Closed” status.

An alert message “Forecast Is Not Stored for Contract...” will appear if the user attempts to change the status of a forecast and the forecast has not yet been stored.

NOTE: Forecast status codes are created on the Forecast Status Maintenance screen (standard Treeview path: CMiC Field > File Maintenance > Local Tables > Forecast Status). For more information, refer to [Forecast Status Maintenance](#).

Filter – Radio Buttons

The Contract header section provides a set of filter radio options with Cost/Revenue column values or Projected Cost column values to display the bill codes accordingly.

The default values for these filters are set on the Project System Options screen (standard Treeview path: CMiC Field > File Maintenance > Project System Options – Contract Forecast tab).

The filter options are grouped as follows:

- **Cost/Revenue > show:**
 - Zero Cost Lines
 - Zero Cost and Revenue Lines
- **Projected Cost > hide:**
 - Zero Projected Cost Lines

The rows can additionally be filtered with radio group options of ‘Recoverable’, ‘Non-Recoverable’, and ‘Both’.

For example:

The image contains two screenshots of the CMiC Contract Forecasting interface, labeled Filter Group 1 and Filter Group 2.

Filter Group 1: Shows the 'CostRevenue' radio button selected under the 'Filter' section. The 'Show' section includes checkboxes for 'Zero Cost Lines' (unchecked) and 'Zero Cost and Revenue Lines' (checked). The 'Rows' section includes radio buttons for 'Recoverable' (unchecked), 'Non-Recoverable' (unchecked), and 'Both' (checked). A 'Go' button is also present.

Filter Group 2: Shows the 'Projected Cost' radio button selected under the 'Filter' section. The 'Show' section includes checkboxes for 'Zero Cost Lines' (checked) and 'Zero Cost and Revenue Lines' (unchecked). The 'Rows' section includes radio buttons for 'Recoverable' (unchecked), 'Non-Recoverable' (unchecked), and 'Both' (checked). A 'Go' button is also present.

Show – Checkboxes

- **Zero Cost Lines:** When checked, show lines with zero cost.
- **Zero Cost and Revenue Lines:** When checked, show lines with either zero cost or zero revenue.
- **Current Activity Only:** When checked, will show only bill codes where some activity is performed in that period (e.g. where some cost, commitment and changes transactions are posted). Field security can be applied to this field, as required.

- **Overrides Only:** When checked, will show only bill codes where overrides are performed. Field security can be applied to this field, as required.

Hide – Checkbox

- **Zero Projected Cost Lines:** When checked, do not show lines with zero projected cost.

Rows – Radio Buttons

In addition to the filter options described above, users can filter by ‘Recoverable’ and ‘Non-Recoverable’ (NR) bill codes.

- **Recoverable:** When selected, all bill codes using billing methods other than “NR” will be displayed.
- **Non-Recoverable:** When selected, only bill codes using billing method “NR” will be displayed.
- **Both:** When selected, both recoverable and non-recoverable bill codes will be displayed.

NOTE: Any transactions associated with bill codes marked with the Non-Recoverable (NR) billing method will produce a zero bill. Any item using this method will not be billed unless manually overridden.

Warning Message

A warning message will be displayed in the Contract Forecast with PCI Projections screen’s header if bill codes have been added to the contract in the Job Costing module (standard Treeview path: Job Costing > Job >Enter Budget) after the creation of the forecast but these bill codes have not been assigned to the contract forecast, as this can result in an incomplete forecast. The message will appear as follows:

The screenshot shows the 'Contract Forecast with PCI Projections' interface. At the top, there are several buttons: Forecast Comments, Calculate Burdens, Configure View, Clear Overrides, Refresh, and Store Forecast. Below this is a 'CONTRACT' section with filters for Contract (LGJOB), Year (2019), Current Status (In Process), Job, Period (1), Status (In Process), Filter (Cost/Revenue selected), Show (Zero Cost Lines checked, Zero Cost and Revenue Lines checked, Overrides Only unchecked), and a message box stating 'Some Bill Codes are not assigned to the Contract. This can result in incomplete forecasting.' A red arrow points from the text in the message box to the message itself. Below the contract filters is a 'BILL CODES (FILTERED)' section containing a table with columns: Freeze, Bill Code, Job, Job Name, Phase, Shared Saving, Pending External PCI, Pending Internal PCI, Pending CO, Pending CO (Incl. Risk), Projected Cost Budget, Spent/Com... (Pending CO), Cost to Complete, and Projected Cost Forecast.

Warning message issued if some bill codes are not assigned to the contract

Upon refreshing, the contract forecast will bring in any missing bill codes that are not in the forecast but that exist on the contract in the Job Costing module.

[Go] – Button

The [Go] button is used to either create the forecast for the very first time or to load the previously stored forecast.

When users enter the year/period for a contract and press [Go], the forecast details are displayed, and they are populated automatically in the table for the specific period.

Contract Forecasting - Bill Codes (Detail)

The columns in the Bill Codes detail section of the Contract Forecasting screen with PCI Projections screen are defined in the subsections below. Where applicable, calculations are also shown.

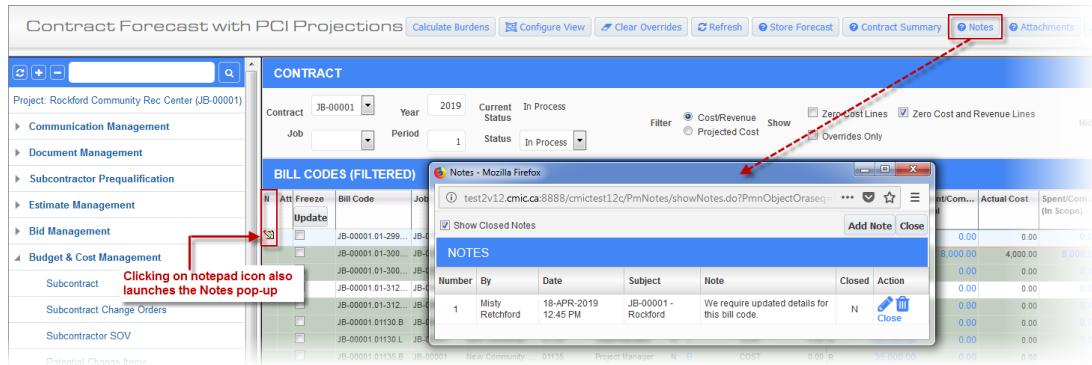
- [Contract Forecasting - Bill Codes - Part 1](#)
- [Contract Forecasting - Bill Codes - Part 2](#)

Contract Forecasting - Bill Codes - Part 1

Columns in the Bill Codes detail section of the Contract Forecasting screen with PCI Projections screen are defined below. The first half of the columns are described here in Part 1, and the second half are described in [Part 2](#).

NOTE: Time Phased Budgeting column has been deprecated.

N (Notes)



Pop-up window launched from [Notes] button and notepad icon displayed in Notes column

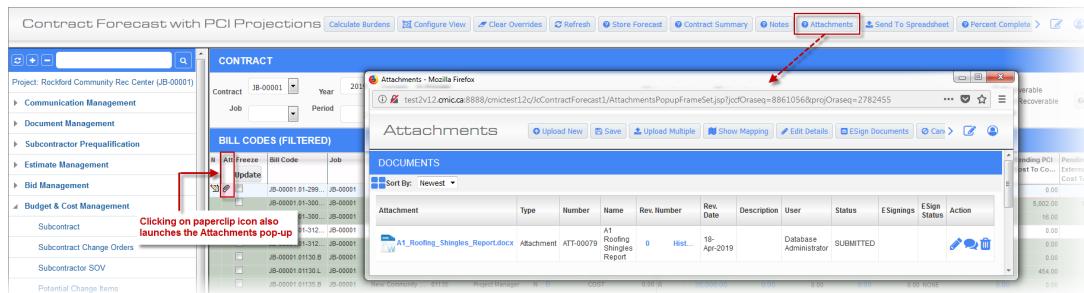
The Notes column displays a notepad icon, if there are notes entered against a bill code. Users can click on the icon to launch the Notes pop-up, where they can review existing notes or add any new notes as required.

Notes can be carried forward to the next forecasting period depending on if ‘Notes to be Carried Forward through Periods’ checkbox is checked on the Job Cost Control File screen (standard Treeview path: Job Costing > Setup > Local Tables > Control File – Forecasting tab).

The label "N" for Notes can be added to the Notes column heading by clicking on [Configure View] in the Main Toolbar and updating the Header field for the column in the Contract Forecast Screen Configuration screen. Users may need to click the [Reset to System Default] button in the Contract Forecast Screen Configuration screen to see the labels.

NOTE: This column is different than the Notes column that appears to the right of the forecasting screen that is hidden by default. In that Notes column, users must click on a field in the column to expand a text box for typing. More details on this separate column is provided later in this section.

Att (Attachments)



Pop-up window launched from [Attachments] button and paperclip icon displayed in Attachments column

The attachments column displays a paperclip icon if there are attachments entered for a bill code. Clicking on the icon opens the CMiC standard attachments pop-up and allows users to view existing attachments or upload new ones as required.

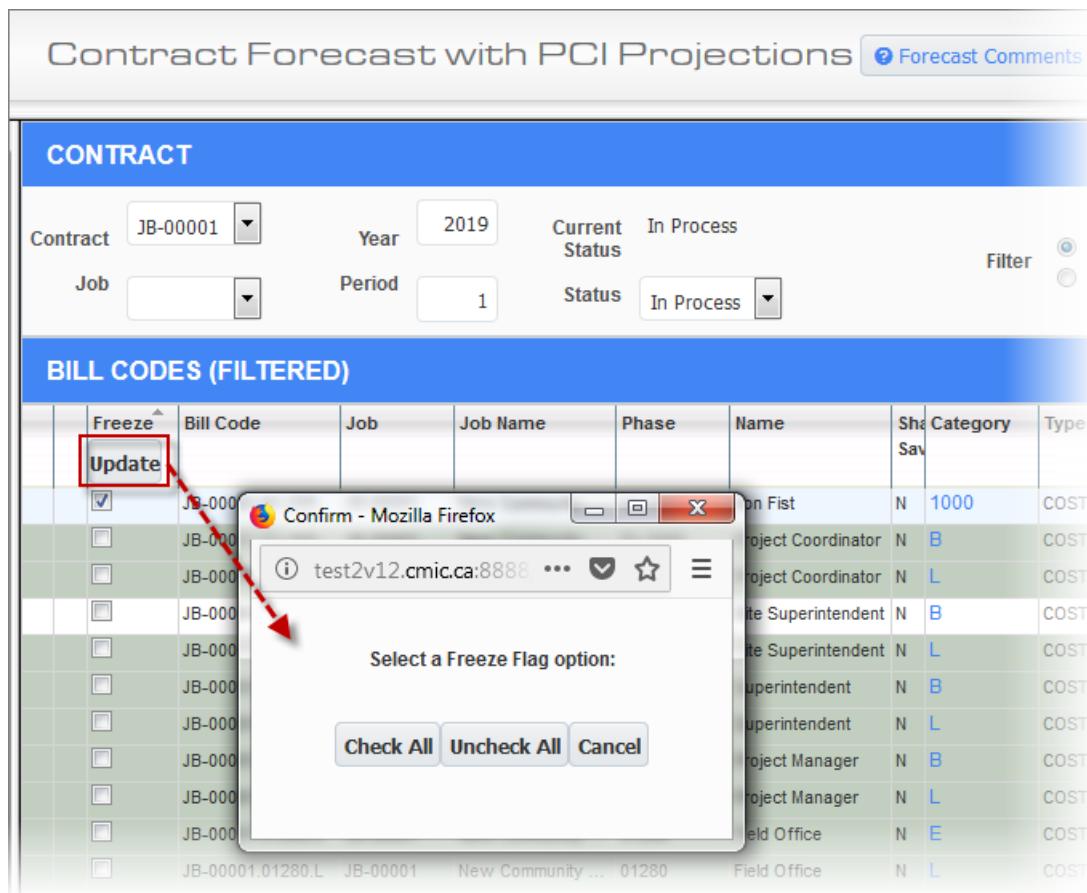
The label “Att” for Attachment can be added to the Attachments column heading by clicking on **[Configure View]** in the Main Toolbar and updating the Header field for the column in the Contract Forecast Screen Configuration screen. Users may need to click the **[Reset to System Default]** button in the Contract Forecast Screen Configuration screen to see the labels.

NOTE: The Contract Forecast with PCI Projections screen will save any changes to the screen when the Attachment paperclip icon is clicked to prevent any overrides from being lost.

Freeze – Checkbox

When checked, the Projected Cost Forecast column will be frozen but the Projected Cost Forecast (Including Pending CO) column will not be frozen.

The same is true for the Adjusted Revenue Forecast column which will be frozen, but the Revenue Forecast column will not be frozen.

[Update] – Button

Pop-up window launched from the [Update] button on the Freeze column

The **[Update]** button launches a pop-up window where users can check or uncheck the ‘Freeze’ checkbox for all lines.

NOTE: When using the freeze/unfreeze all bill codes functionality, users must click **[Save]** on the Main Toolbar to commit the updates or on **[Cancel]** to return to the previous state.

Contract Code

The Contract Code column displays the related contract code against each of the bill code records. By default, field security on the Contract Code column is set to “Hidden” for the “ALL” role. Users must set this value as “Unrestricted (Read-Only)” in order to make this column visible in the Contract Forecast with PCI Projections screen. Users may also set the field security at user role levels, if required to be “Hidden”.

Bill Code

The Bill Code column displays all the bill codes from the job billing contract. When the job code is selected in the Job field in the Contract header, all the bill codes for controlling and sub-jobs will be displayed.

Where the billing code includes more than one combination, the value can be seen in the Billing Contract details section as to which particular value is shown as primary. In these cases, the updates are done through the pop-up.

NOTE: This is a display-only field. Drill-down is possible only when more than one combination of job, phase and category combination exists.

Job, Job Name, Phase, Phase Name, Category, Phase Type, Type (Billing), Method (Budget)

The job, phase and category associated with the bill codes along with the other information such as billing type and budget method are displayed. These are display-only fields.

Budget methods are defined as follows:

- **A:** Amounts
- **P:** Productivity
- **U:** Units
- **R:** Labor

NOTE: A Phase Type column exists, but initially has been set to “Hidden” on the “ALL” role (standard Treeview path: CMiC Field > Security > Role Maintenance). Field security can be applied, if desired. Sorting and filtering can be used on this column. It is also included in the [**Send to Spreadsheet**] output.

Shared Saving

The Shared Saving column is a display-only field. This column value is set to “Y” when the bill code uses shared saving. This is useful when distinguishing between shared and non-shared (lump sum) savings lines.

NOTE: The value in this field defaults from the Shared Savings checkbox set on the Job Billing module's Contract Entry screen (standard Treeview path: Job Billing > Contracts > Enter Contract – Billing Items tab). If Shared Savings is checked for a bill code on the Job Billing Enter Contract screen, then the Shared Saving value on the Contract Forecast with PCI Projections screen will be set to “Y”.

Current Cost Budget

The Current Cost Budget column brings in the original cost budget amount from the JC Enter Budget screen in the Job Costing module (standard Treeview path: Job Costing > Job > Enter Budget). Any posted changes that may have updated the cost budget will be reflected when refresh is performed.

Current Cost Budget = Original Cost Budget + Posted PCIs (Ext/Internal/Transfer)
Amounts up to the end of the current forecasting period

NOTE: Internal PCIs affect the Current Cost Budget column when ‘Internal Change Orders Update Budget’ checkbox is checked on the Change Management module’s Control File (standard Treeview path: Change Management > Local Tables > Change Management Control File).

Negative PCIs posted up to the end of the forecasting period will also be included in the Current Cost Budget column.

The fields in this column allow drill-down and clicking on a field opens the Cost Detail pop-up window displaying the summary of Original Budget, posted Internal & Transfer COs, posted External COs, and the Total of all these amounts representing the Current Cost Budget. Further drill-down is available on each PCI type and then to PCI details.

Contract Forecasting with PCI Projections - R12

The screenshot shows a software application window titled "Contract Forecast with PCI Projections". At the top, there are buttons for "Forecast Comments", "Calculate Burdens", and "Configure View". Below this is a section titled "CONTRACT" with various filters and status indicators. A large table below is titled "BILL CODES (FILTERED)". A red arrow points from the "Current Cost Budget" column in this table to a modal dialog box titled "COST DETAIL". The dialog box displays detailed cost information for Job 1504433M and Phase 02-4120, specifically for Category 1000. It shows original budget, internal transfers, external costs, and current budget amounts.

	Freeze Update	Bill Code	Job	Job Name	Phase	Name	Shared Category Sav	Type	Spent/Com... Against Base Contract	Met...	Current Cost Budget	Spent/Com... Total
		1504433M.0...	1504433M	1504433M - Rest...	02-4120	Concrete Demo	N 1000	COST	0.00 P		25,000.00	0.00
		1504433M.0...	1504433M	1504433M - Rest...	02-4120	Concrete Demo	N 2000	COST	39,468.75 A		25,000.00	39,468.75
		1504433M.0...	1504433M						0.00 A		25,000.00	0.00
		1504433M.0...	1504433M						0.00 A		25,000.00	0.00
		1504433M.0...	1504433M						0.00 A		25,000.00	0.00
		1504433M.0...	1504433M						0.00 A		0.00	0.00
		1504433M.0...	1504433M						0.00 A		0.00	0.00
											0.00	0.00
											125,000.00	39,468.75
											125,000.00	39,468.75
											125,000.00	39,468.75
											125,000.00	39,468.75
											125,000.00	39,468.75

Pop-up launched from Current Cost Budget column

Spent/Committed Against Base Contract

The Spent/Committed Against Base Contract column shows the Spent, Committed or Largest of Spent/Committed (based on Projected Final Type field in the JC Enter Budget screen in Job Costing module). This is a display-only column and not used in any calculations.

NOTE: The Projected Final Type field is initially set in the Projected Final Flag field on the Job Cost Control File screen (standard Treeview path: Job Costing > Setup > Local Tables > Control File – Job Setup tab). The setting defined on the Job Cost Control File defaults to the Projected Final Type column on the JC Enter Budget screen (standard Treeview path: Job Costing > Job > Enter Budget).

The settings are as follows: “C” to use committed costs only; “S” to use spent to date amounts only; and “L” to use the larger of the spent or committed amount.

Contract Forecasting with PCI Projections - R12

Spent/Committed Against Base Contract = Spent (S), Committed(C) or Largest of
Spent/Committed (L) (Based on Projected Final Flag in JC Budget)

Example: How 'Projected Final Flag' affects the Spent/Committed against Base Contract value?

Committed Cost	Spent Cost	Spent outside Commitment	L	S	C
1200	150	100	1200+100-0=1300	150+100-0=250	1200+100-0=1300
1000	1750	100	1750+100-0=1850	1750+100-0=1850	1000+100-0=1100
-1300	-1800	-250	-1300+(-250)= -1550	-1800+(-250)= -2050	-1300+(-250)= -1550

* Cost Code	Cost Code Name	* Category	Meth	Budgeted Cost Amount	Budgeted Quantity	WM	Budgeted Unit Rate	Budgeted Revenue Amount	Budgeted Revenue Rate	Projected Final Type	Projected Final	Freeze Proj Amt Flag	Time Phased
01-2999	Iron Fist	1000	P	1,550.00	0.000	HR Q		1,550.00		<input checked="" type="checkbox"/> S	0.00	<input checked="" type="checkbox"/>	<input type="checkbox"/>
01-3000	Project Coordinator	B	A	15,000.00		\$		15,000.00	L	<input type="checkbox"/>	15,000.00	<input type="checkbox"/>	<input type="checkbox"/>
01-3000	Project Coordinator	L	A	240,000.00		HR		280,000.00	L	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
01-3120	Site Superintendent	B	P	20,000.00	40,000	HR	500.000	20,000.00	500,000.00	L	68,000.00	<input type="checkbox"/>	<input type="checkbox"/>

Pgm: JCBUDGET – JC Enter Budget; standard Treeview path: Job Costing > Job > Enter Budget - Projected Final
Type column value set as "S"

Contract Forecasting with PCI Projections - R12

Contract Forecast with PCI Projections; standard Treeview path: CMiC Field > Budget & Cost Management > Contract Forecasting (Example: Spent/Committed Against Base Contract)

Spent/Committed Total

The Spent/Committed Total column displays the Job Costing Transaction details of type “O” and “C”. This is a display-only column and not updateable by users. This is not used in any calculations of other columns. The drill-down opens the Job Costing Transaction detail pop-up and displays all committed/spent amounts against the bill code (i.e. “C” and “O” type transactions). Field security exists for this column, if required.

Spent/Committed Total = LARGEST OF (ABSOLUTE OF |Commitment| versus ABSOLUTE OF |Spent Against Commitment|) + Spent Out Of Commitment up to and including the current forecasting period

For example:

Commitment [O]	Spent against commitment [C]	Spent outside Commitment [C]	Spent / Committed Total
9582	1759	987	$9582 + 987 = 10569$
8522	10958	758	$10958 + 758 = 11716$
-1500	-1300	250	$-1500 + 250 = -1250$
-1300	-1800	-250	$-1800 + (-250) = -2050$ (screenshot shown)

Contract Forecasting with PCI Projections - R12

Commitment [O]	Spent against commitment [C]	Spent outside Commitment [C]	Spent / Committed Total
			below)

Contract Forecast with PCI Projections Calculate Burdens Forecast Comments Clear Overrides Store Forecast Refresh Contract Summary

CONTRACT

Project: North York Centre (16551) Contract 16551 Year 2018 Status In Process Filter Cost & Revenue Projected Cost Show Zero Cost Zero Cost & Revenue

JC Transactions (Cost and Committed) - Mozilla Firefox Enter Query Send to Spreadsheet Close

demo12cmcglobal.com/cmcdemo12c/PmOwnerJQuery>ShowJCTran.do?compCode=10&jobCode=16551&p... ...

COST CODE/COST TYPE

Company 10 Job 16551 Cost Code 00015 Cost Code Name Drawings
Cost Type L Cost Type Name Labor

JC TRANSACTIONS (COST AND COMMITTED)

Search	Post Date	Type	Area	Change Orders	Equip. Code	PCI Line Number	Source Description	Ref. Description	Cost Amount	Commitment	Spent Against The Commitment	Spent Out Of Commitment
2016-02-25	C								6,590.00	0.00	0.00	6,590.00
2016-03-25	C								6,590.00	0.00	0.00	6,590.00
2016-03-25	C								6,590.00	0.00	0.00	6,590.00
2016-05-13	O					WRNS Architects	16551.009-000	Design Drawings	0	2,000.00	0.00	0
2017-01-06	C					WRNS Architects	North York Centre		2,000.00	0.00	2,000.00	0
Total (8 rows)												
41,540.00 2,000.00 2,000.00 39,540.00												

Actual Cost

The Actual Cost column represents the spent amount (posted costs) for the current job. Field security can be applied to this column to make it hidden or unrestricted, if required. This is the current cost transactions against the job/cost code/category ("C" type transactions in Job Costing Transactions detail pop-up (JCDETAIL table)). This is a display-only field.

Pop-up window launched from field in Spent/Committed Total column on the Contract Forecast with PCI Projections screen

NOTE: Drill-down can be disabled on the Spent/Committed Total column if field security is set to read-only.

Actual Cost

The Actual Cost column represents the spent amount (posted costs) for the current job. Field security can be applied to this column to make it hidden or unrestricted, if required. This is the current cost transactions against the job/cost code/category ("C" type transactions in Job Costing Transactions detail pop-up (JCDETAIL table)). This is a display-only field.

Actual Cost = Posted Cost Transactions ('C' type transactions in JCDETAIL table)

This may also be defined as:

Actual Cost = Spent Amount (Against Commitment + Outside of Commitment)

The Actual Cost represents the spent amount (posted cost) for the current job.

NOTE: The Actual Cost includes Spent Out of Commitment against Unposted Internal and External PCIs.

COST CODE/COST TYPE																		Enter Query	Send To Spreadsheet	Close	
Company 10		Job 16551		Cost Code 00015		Cost Code Name Drawings															
Cost Type L		Cost Type Name Labor																			
JC TRANSACTIONS (COST AND COMMITTED)																					
Search	Post Date	Type	Area	Change Orders	Equip Code	PCI Line Number	Source Description	Ref. Description	Cost Amount	Commitment	Spent Against The Commitment	Spent Out Of Commitment	Commitment Code	Source	Transaction Number	Reference Date	Batch Number	Quantity	WM	PY Transaction Type	PY Transaction Description
	2016-01-25	C							6,590.00	0.00	0.00	6,590.00	JC	9469	2016-01-25	7422			\$		
	2016-01-25	C							6,590.00	0.00	0.00	6,590.00	JC	9469	2016-01-25	7422			\$		
	2016-02-25	C							6,590.00	0.00	0.00	6,590.00	JC	9470	2016-02-25	7468			\$		
	2016-02-25	C							6,590.00	0.00	0.00	6,590.00	JC	9470	2016-02-25	7468			\$		
	2016-03-25	C							6,590.00	0.00	0.00	6,590.00	JC	9475	2016-03-25	7470			\$		
	2016-03-25	C							6,590.00	0.00	0.00	6,590.00	JC	9475	2016-03-25	7470			\$		
	2016-05-13	O		WRNS Architects	16551.009-000 Design Drawings	0	2,000.00		0.00	0	16551.009 000	SC		2016-05-13	7764	1040	HR				
	2017-01-06	C		WRNS Architects	North York Centre	2,000.00	0.00	2,000.00	0	16551.009 000	AP	6907	2016-07-19	8329	1041.656666667	HR					
Total (8 rows)									41,540.00	2,000.00	2,000.00	39,540.00									

Spent/Committed (In Scope)

Spent, Committed, Largest of Spent/Committed minus Spent, Committed, Largest of Spent/Committed against Internal PCIs

Spent/Committed (In Scope) = Spent, Committed, Largest of Spent Committed - The same against Internal PCIs

The fields in this column allow drill-down and clicking on a field launches the Job Costing Cost Transactions detail pop-up.

NOTE: The Spent/Committed (In Scope) column excludes Pending PCI cost amount that may have been posted in a future period.

Completed %

By default, this column is set to read-only and functions as follows:

- When budget method = A, this is calculated as Cost Amount / Project Forecast Amount.
- When budget method = P calculation (default as user may modify through pop-up) is based on Phase Spent Quantity (Completed phase level units) / Phase Projected Quantity.
- For both U and P types, if the Projected Quantity equals “0”, and the Spent Quantity is not “0”, then the % Complete is set to 100%.

If this column is set to unrestricted, then it is editable when the budget method is A, but remains read-only for methods P, U, and R.

PCI Code

The PCI Code column shows the associated PCI code for the record. If there are multiple PCIs for one record, the word “MULTIPLE” is displayed in the cell. If there is no PCI for this record, “NONE” is displayed. The tooltip for any PCI displayed will be the header Description field of the PCI.

Pending Internal PCI

This column shows the sum of unposted Pending Internal PCI amounts. The fields in this column allow drill-down and clicking on a field launches the Internal PCI Projections pop-up window. Also, further drill-downs are available on PCI numbers and Spent/Committed columns.

Pending Internal PCI = Sum of Un-Posted Internal PCI amounts

Contract Forecasting with PCI Projections - R12

The screenshot shows the 'Contract Forecast with PCI Projections' screen. On the left is a navigation tree with various project management modules like Project Planner, Project Maintenance, and Budget & Cost Management. The main area displays a 'PROJECT FORECAST (FILTERED)' grid. A specific row in the grid has its 'Pending Internal PCI' value (40,000.00) highlighted with a red box. An arrow points from this value to a modal window titled 'PCI Projection'. This modal contains a sub-grid for 'POTENTIAL CHANGE ITEM' with several rows of data. At the bottom right of the modal, it says 'There are 1494 records in database'.

Internal PCI Projections pop-up window launched from Pending Internal PCI field drill-down

Pending PCI Cost to Complete

This column displays the cost to complete amount for Pending Internal PCI, Pending External PCI and Unposted Transfers, and Original Budget Change Orders.

NOTE: Column name is “JCCF_INT_PEND_CO_TO_COMPL_AMT” in Contract Forecast with PCI Projections screen configuration.

This may be defined as:

Pending Internal/External/Transfer PCI Amount minus Spent Cost Against the same.

This is a display-only field.

NOTE: PCI could be negative amount and the spent cost may also be negative.

Pending Internal PCI Cost to Complete

This column displays the cost to complete amount for truly Pending Internal PCI. This column contains a drill-down on the column value which launches a PCI Projections pop-up window and further drill-down opens the PCI Entry level as well.

NOTE: Column name is “JCCF_INT_PCI_TO_COMPL_AMT” in Contract Forecast with PCI Projections screen configuration.

Pending External PCI Cost to Complete

This column displays the cost to complete for Pending External PCIs.

NOTE: Column name is “JCCF_EXT_PCI_COST_TO_CMPL_AMT” in Contract Forecast with PCI Projections screen configuration.

Pending CO

This column is calculated as follows:

Sum of unposted Pending External/Original Budget PCI Amounts. Sum of cost budget from Pending External PCI.

The fields in this column allow drill-down and clicking on a field launches the PCI Projection pop-up window for review and update.

Pending CO (Incl. Risk)

Sum of the Revised Cost Budget Amount after applying risk to Pending Internal/External PCI.

Sum of unposted Pending Internal/External/Transfer/Original Budget PCI Amounts including PCI Risk Amount applied. The Revised Cost Budget from PCI column Amount from the Pending CO Column pop-up.

This is a display-only field.

Projected Cost Budget

This column is calculated as follows:

Current Cost Budget + Pending CO (Including Risk)

This is a display-only field that contains a drill-down on the column value which launches the Cost Budget Detail pop-up window. Further drill-down on the columns related to change orders opens a PCI Detail log and users can drill down to PCI Entry level as well.

NOTE: When 'Internal Change Orders Update Budget' checkbox is unchecked on the Control File in the Change Management module (standard Treeview path: Change Management > Local Tables > Control), the Projected Cost Budget column value does not include Pending Internal PCI Cost amounts. If users enter a Cost % at Risk in PCI Projections against internal PCIs, then the Projected Cost Budget won't be updated.

Spent/Committed (Pending CO)

Spent/Committed against unposted PCIs.

This is a display-only field.

Cost to Complete

Indicates one of the following:
1. Cost to Complete detail lines have been entered
2. Cost to Complete amount has been manually overridden

Opens pop-up for Cost Detail, Productivity/Units, or Labor Forecast

Cost Type	Type	Budget	Spent/Com...	Actual Cost	Cost To Co...	Cost To Co...	PCI	Pending External PCI	Pending CO (Incl. Risk)	Cost to Complete	ECAC
10	COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20,000.00	20,000.00
3	COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,000.00	5,000.00
A	COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42,000.00	42,000.00
3	COST	0.00	33,262.80	33,262.80	0.00	0.00	0.00	0.00	0.00	64,160.00	97,422.80
L	COST	5,000.00	41,540.00	41,540.00	0.00	40,000.00	581,300.00	40,000.00	581,300.00	621,300.00	0.00
L1	COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
L2	COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
L3	COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

This column is calculated as follows:

Projected Cost Forecast - Spent/Committed (In Scope)

The Cost to Complete field allows user overrides, as required.

To provide additional information on the components that necessitated the overrides, a pop-up screen is available to insert those details. The pop-up window is accessible by clicking on the search icon () in the column next to the Cost to Complete column.

Depending on the system configuration, one of the following detail pop-up windows will be launched:

- Cost Detail pop-up
 - Simple Cost Detail pop-up
 - Enhanced Cost Detail pop-up

- Productivity/Units pop-up
- Labor Forecast
 - GC Monitor pop-up
 - Labor Forecast pop-up

Please refer to the [Cost to Complete Detail Pop-Up](#) for more details on each of the various detail pop-up windows.

Field security exists on both the Cost to Complete column and the detail column (search icon). The detail pop-up column adds more flexibility in handling the Cost to Complete overrides. Users can set field security on the Cost to Complete field, so that direct override into the field from the main screen is not allowed, but users can enter overrides using the detail pop-up window.

Beside the cost detail column, there is also an additional column which indicates to the user with a checkbox icon and a tooltip, the type of Cost to Complete override:

- **Cost to Complete detail lines have been entered:** This tooltip will display for A lines when overridden from Cost Detail pop-up, with detail lines existing.
- **Cost to Complete amount has been manually overridden:** This tooltip will display when Cost to Complete amount is overridden on the main screen, with no detail lines existing.

For color and hover text information, refer to [Color Highlights and Hover Text for Cost to Complete and Cost Forecast Columns](#).

When the Job Cost Control File flag ‘Copy Last Stored Forecast’ is checked (standard Treeview path: Job Costing > Setup > Local Tables > Control File – Forecasting tab), and if any overrides are made to the Cost to Complete column, then those overrides will be brought forward to the next period upon the very first entry. Users can again override the Cost to Complete amount and commit. Any subsequent new period entry will copy the previous period forecast details along with the overrides. If the [**Clear Overrides**] button is pressed, then any overrides to the Cost to Complete and the Projected Cost Forecast columns during this period will be removed and the numbers will be reverted to the previous period level. This is only applicable to A lines.

NOTE: After PCI Projections Risk is applied, users must refresh the Contract Forecasting with PCI Projections screen to update the Projected Cost Forecast with risk values.

Projected Cost Forecast

The Projected Cost Forecast value is the largest of (Budgeted Cost + Pending CO + Internal CO) or Projected Final (the amount in the Projected Final field on the Job Costing module's JC Enter Budget screen (standard Treeview path: Job Costing > Job > Enter Budget)).

NOTE: Users should be aware that the bill code detail line is not frozen.

The Cost Status Query and Projected Final from Job Cost Budget Entry will always be in synchronization. This is true because, every posting to Job Costing will result in an update of the projected final at the summary level (i.e., Enter Budget screen which is effectively where the cost status query gets its numbers from). The Projected Cost Forecast in the Contract Forecasting program may not be in synchronization with the other two programs. This is because the forecast is period-based and the cost status query is as of the current time. Therefore, if the forecast starts out of sync with the other two programs, a refresh won't put the other two in alignment, unless overrides are performed in the contract forecast which upon saving will update the Projected Final column in JC Budget Entry. In this scenario, all three programs will be in synchronization.

The following table shows the location of the three program column values being discussed.

Module	Screen	Column/Field	Standard Treeview Path
CMiC Field	Contract Forecasting with PCI Projections	Projected Cost Forecast	CMiC Field > Budget & Cost Management > Contract Forecasting
CMiC Field	Cost Status Query	Calculated Projection	CMiC Field > Budget & Cost Management > Cost

Module	Screen	Column/Field	Standard Treeview Path
			Status Query
Job Cost-ing	JC Enter Budget	Projected Final	Job Costing > Job > Enter Budget

For color and hover text information, refer to [Color Highlights and Hover Text for Cost to Complete and Cost Forecast Columns](#).

Current Period Cost

The Current Period Cost column displays the cost transactions posted in the current forecasting period.

Field security can be applied to this column. The default value is “Unrestricted”, but it can also be set to “Hidden” at the role level.

Previous Period Cost

The Previous Period Cost column displays the posted cost transactions in the immediate prior period to the current forecasting period. This is regardless of whether the forecast is stored for the previous period or not.

Field security can be applied to this column. The default value is “Unrestricted”, but it can also be set to “Hidden” at the role level.

Last Period Forecast

This is a display-only column which will show the projected cost forecast from the last created forecast.

Field security can be applied to this column. The default value is “Hidden”, but it can also be set to “Unrestricted” at the role level.

Current Period Changes

The Current Period Changes column displays the PCI posted in the current forecasting period.

Field security can be applied to this column. The default value is “Unrestricted”, but it can also be set to “Hidden” at the role level.

Previous Period Changes

The Previous Period Changes column displays the posted PCIs in the immediate prior period to the current forecasting period. This is regardless of whether the forecast is stored for the previous period or not.

Field security can be applied to this column. The default value is “Unrestricted”, but it can also be set to “Hidden” at the role level.

Current Period Commitments

The Current Period Commitments column displays the Commitments (“O” type transactions) posted in the current forecasting period.

Field security can be applied to this column. The default value is “Unrestricted”, but it can also be set to “Hidden” at the role level.

Previous Period Commitments

The Previous Period Commitments column displays the posted “O” type transactions in the immediate prior period to the current forecasting period. This is regardless of whether the forecast is stored for the previous period or not.

Field security can be applied to this column. The default value is “Unrestricted”, but it can also be set to “Hidden” at the role level.

Cost Variance

The Cost Variance column displays the difference between Current Cost Budget and the Projected Cost Forecast amounts.

This is a display-only field.

Cost Variance (New)

The Cost Variance (New) column is named with “New” to distinguish it from the pre-existing Cost Variance column.

By default, field security on this column is set to “Hidden” for the “ALL” role but it can also be set to “Unrestricted (Read-Only)”.

The Cost Variance (New) column is calculated as Projected Cost Budget less Projected Cost Forecast.

Cost To Complete (Pending CO)

This column is calculated as follows:

Pending PCI (Incl. Risk) – Spent/Committed (Pending PO)

This is a display-only field. This column contains a drill-down on the column value which launches a PCI Projections pop-up window and further drill-down opens the PCI Entry level as well.

Projected Cost Forecast (Incl. Pending CO)

Projected Cost Forecast (Incl. Pending CO) column is calculated as follows:

Greatest [Budget, (Current Spent +Pending PCI Cost to Complete)]

NOTE: Budget is not just simply Current Cost Budget; it includes cost amount of External PCI.

Field security can be applied to this column and the options are Unrestricted (Read-Only) or Hidden. In addition, this column can also be editable based on the hidden database level PM System Options flag ‘PMSYS_FCST_INC_PND_CO’. When this flag is checked, the column is editable; otherwise, it is read-only.

If the PM System Options flag is checked and the column is editable, any update within the Cost to Complete pop-up recalculates the Projected Cost Forecast (Incl. Pending CO) column in the Contract Forecast with PCI Projections screen. The updated amount (including any manual overrides made directly into this column), will be used to update the Projected Final amount in the JCJOBCAT table.

When PM System Options flag is unchecked, the Projected Cost Forecast (Incl. Pending CO) column is not editable. Then the Projected Cost Forecast amount will be used to update the Projected Final Amount in the JCJOBCAT table.

When multiple Internal PCIs exist for a bill code, posting one of them does not affect the Projected Cost Forecast column and the Projected Cost Forecast (Incl. Pending CO) column.

NOTE: The value of Projected Cost Forecast (Incl. Pending CO) field is not reduced by the amount of Pending Internal PCI if the 'Internal Change Orders Update Budget' checkbox is unchecked on the Change Management module's Control File (standard Treeview path: Change Management > Local Tables > Control).

Cost Variance (Incl. Pending CO)

The Cost Variance (Incl. Pending CO) column is calculated as follows:

Projected Cost Budget - Projected Cost Forecast (Incl. Pending CO)

This is a display-only field.

Contract Forecasting - Bill Codes - Part 2

Columns in the Bill Codes detail section of the Contract Forecasting screen with PCI Projections screen are defined below. The first half of the columns are described in [Part 1](#) and the second half are described here in Part 2.

Current Bill Budget

Pop-up launched from Current Bill Budget column

The Current Bill Budget column displays the current billing budget amount which includes the Original Billing Budget Amount & Posted PCI Amounts.

The fields in this column allow drill-down and clicking on a field launches the budget billing detail pop-up showing the details and further drill-down possible column values on Internal COs & Transfers, and External COs.

Profit Budget Amount

This column is calculated as follows:

Profit Budget Amount = Current Bill Budget - Current Cost Budget

Pending CO External

Pending CO External column shows the sum of billing amounts of Pending/Approved (unposted) External and Transfer PCIs.

The drill-down opens the PCI Projection screen showing the Pending External/Transfer PCI.

Pending CO (Incl. Risk) - External

Sum of billing amount of Pending/Approved (un-posted) External PCIs and Transfer PCI with Risk Applied.

This is a display-only field.

Projected Bill Budget

Sum of Current Billing Budget column and the Pending CO (External Incl. Risk).

This column contains a drill-down on the column value which launches the Billing Budget Detail pop-up window. Further drill-down on the columns related to change orders opens a PCI Detail log and users can drill down to PCI Entry level as well.

Billed To Date

This column displays the Total Billed Amount up to end of current period.

NOTE: The Billed to Date column excludes B type transactions entered outside of the Job Billing module.

The fields in this column allow drill-down and clicking on a field launches the Billed to Date pop-up window where billed transactions are shown. The posting date will determine whether the transaction shows for the contract forecast period that is entered.

The Billed To Date column includes Posted Invoice Amounts, though they may have been voided in a future period. Users should note that, in this specific case, a drill-down into this Billed to Date column will not match with the main screen.

NOTE: In the Contract Forecasting with PCI Projections screen, billed transactions which are unposted or posted will be shown in the drill-down as "Billed". Only billed and posted amounts will be shown at the upper level (as Billed to Date). The posting date will determine whether the transaction shows for the contract forecast period that is entered.

Original Cost Budget Amount, Original Bill Budget Amount

Original Cost Budget Amount for a forecasting period is equal to the Current Cost Budget minus Cost amount of the Posted PCIs (External and Internal) and Transfer change order up to end of forecasting period.

Original Bill Budget Amount for a forecasting period is equal to the Current Bill Budget minus Bill amount of the Posted PCIs and Transfer change order up to end of forecasting period.

Field security can be applied to these columns, as required.

NOTE: Posted OBC are included in Original Cost Budget Amount and Original Bill Budget Amount.

Revenue Forecast

NOTE: Revenue Forecast calculations for cost lines consider Projected Cost Forecast Including Pending CO.

If Bill Rates are used:

Revenue Forecast = [Spent/Committed total + Cost to Complete + Pending CO (including Risk)] * Base Rate Multiplier from the bill rate.

If Bill Rates are not used:

If Spent/Committed Total is “0”,

Then the Projected Bill Budget will be taken as the Revenue Forecast Amount and any overrides to Cost to Complete will not recalculate Revenue Forecast.

If Spent/Committed Total is not equal to “0”.

Revenue forecast equals percent of completion applied to Calculated Potential Revenue (CPR) (percent of completion equals cost over projected cost).

Formula = Calculated Potential Revenue (CPR) / Percent of Completion

If Calculated Potential Revenue (CPR) = 3450

Cost = 2300

Projected Cost including Pending CO = 16500

Revenue Forecast = 3450 / (2300/16500) =24,750

When using the functionality of ‘Use Bill Rates for Revenue forecast’ for specific categories, then the non-payroll type bill rates defined against those categories will be applied to calculate the Revenue forecast value. For complete details on other types, see the table below.

NOTE: The database level flag ‘PMSYS_FCST_INC_PND_CO’ in PM System Options table must be set as “N”).

Users can directly override Revenue Forecast column values for labor bill code lines. Labor lines are the bill codes with categories that are flagged as “Labor Forecast” in the Job Billing module’s Contract Entry screen (standard Treeview path: Job Billing > Contracts > Contract Entry – Billing Items tab). These lines are identifiable as green colored lines in the Contract Forecast with PCI Projections screen. These values can also be updated using the Cost to Complete detail pop-up, which launches the GC Monitor screen.

The Revenue Forecast column automatically updates when a value in the Cost to Complete column or the Projected Cost Forecast column is overridden. Users do not have to refresh to update the new values in the Revenue Forecast column. However, the Revenue Forecast column is not updated by overriding the Cost to Complete column when bill rates are not used and Spent/Committed Total is “0”.

For Burdened Billing (BPB) code lines, the percent of burden in the Revenue Forecast column is calculated according to the billing burden details set up in the Contract Entry screen in the Job Billing module. Any overrides to the bill codes will recalculate the burdened Revenue Forecast column amount. Refer to [Contract Entry](#) for more details on billing burden setup details.

Field security can be applied to this field as required.

Cost Forecast Variance

The Cost Forecast Variance column is calculated as the difference between the Last Period Forecast and the Projected Cost Forecast (current period forecast) columns.

Adjusted Revenue Forecast Variance

Difference between Projected Bill Budget and Adjusted Revenue Forecast.

Revenue Variance

Difference between Projected Billing Budget and Adjusted Revenue Forecast amounts.

Adjusted Revenue Forecast

The Revenue Forecast amount unless there is a Max Billing Amount which will override this value where the Forecast amount is greater than the Max amount.

Unbilled Revenue

This column displays unbilled revenue amounts from the Unbilled Revenue Amt column in the JC - Transaction Detail Log screen in the Job Costing module (standard Treeview path: Job Costing > Logs > Transaction Detail).

By default, field security on this column is set to “Hidden” for the “ALL” role but it can also be set to “Unrestricted (Read-Only)”.

NOTE: Accumulative revenue amount will be shown regardless of whether the cost transaction has been billed before or not.

Shared Saving Amount, Profit Including Shared Saving

Shared Savings Amount is effectively a billing line profit that needs to be split between a company and the owner of the project.

‘Shared Savings’ is checked for a bill code on the Job Billing module’s Contract Entry screen (standard Treeview path: Job Billing > Contracts > Enter Contract – Billing Items tab). Users can select one or more bill codes by checking the ‘Shared Savings’ checkbox and entering the owner’s shared savings percentage in the Shared Savings Percentage field. The bill code lines that do not have ‘Shared Savings’ checked are considered as lump sum lines and the Shared Savings Percent field is considered 0%.

Contract Forecasting with PCI Projections - R12

CONTRACT ENTRY

Table Mode

CONTRACT INFORMATION

Billing Items Separate Billing Information

Job	1622760	1622760	* Contract	1622760		* Contract Currency		Contract Billing Type	COST
* Customer	ZZ-WMT	Wal-Mart Stores Inc							
Budg. Billing Amt			<input type="checkbox"/> Time Phased	<input checked="" type="checkbox"/> Exclude Non-Inv Receipts					
Max Billing Amt									
Bid Date			* Contract Date	15-Dec-2016					
Approved Date	15-Dec-2016		Closed Date			Spread Rule			
Start Date	01-Jan-2016		End Date	31-Dec-2020			Rate Code	RATE2	

[Create Contract Details](#) [Bill Rates](#) [Add New Bill Codes](#) [Reset All Bill Code Budgets](#) [Default Compliance Codes](#) [Invoice Preview](#)

Billing Codes Group 1 Group 2 Group 3 Group 4 Group 5

Billing Code	* Type	Description	Sub-Contract	SC RFP	Billing Reference	Billing	Burden Level	Jbcd Bur Stored Material Flag	* Shared Savings	Shared Savings Pct	* Fil
1622760.01-10.A	COST	Blue Prints - Labor		<input type="checkbox"/>				<input type="checkbox"/>	<input checked="" type="checkbox"/>	25.00	*
1622760.01-100.2C	COST	Blue Prints - Subcontractor		<input type="checkbox"/>				<input type="checkbox"/>	<input checked="" type="checkbox"/>	32.00	*
1622760.01-100.3C	COST	Blue Prints - Equipment		<input type="checkbox"/>				<input type="checkbox"/>	<input checked="" type="checkbox"/>	17.09	*
1622760.01-100.4C	COST	Blue Prints - Materials		<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	*	*
1622760.01-100.5C	COST	Blue Prints - Sundry		<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	*	*

[Bill Code Details](#) Total Budg. Billing Amount 131,493.13

Pgm: JBCONT – Contract Entry; standard Treeview path: Job Billing > Contracts > Enter Contract – Billing Items tab

In addition to the Shared Saving Amount and Profit Including Shared Savings columns on the Contract Forecasting with PCI Projections screen, there are also sub-total lines to show Shared Savings and Lump Sum amounts for each column. The columns and sub-total rows are display only.

Contract																		
Contract	1622760	Year	2017	Status	In Process	Filter	<input checked="" type="radio"/> Cost/Revenue <input type="radio"/> Projected Cost	Show	<input checked="" type="checkbox"/> Zero Cost Lines <input type="checkbox"/> Current Activity Only	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines <input type="checkbox"/> Overrides Only	Hide	<input checked="" type="checkbox"/> Zero Pro	Shared Savings					
Job		Period	1													Row	Recoverable	
N	Att	Bill Code	Contract C...	Job	Phase	Name	Category	Type	Allocated Pr...	Current Period Cost	Previous Per...	Last Period Forecast	Current Period Changes	Previous Per...	Current Period Commitments	Previous Per...	Shared Saving Amount	
																	Profit Including Shared Savings	
			1622760_01-100...	1622760	01-100	Blue Prints	4000	COST	-1939.14	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	-1,939.00	
			1622760_01-100...	1622760	01-100	Blue Prints	5000	COST	-1939.14	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	-1,939.00	
			1622760_01-100...	1622760	01-100	Blue Prints	LAB	COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
			1622760_02-100...	1622760	02-100	Excavation	1000	COST	-1939.14	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	-1,939.00	
			1622760_02-100...	1622760	02-100	Excavation	2000	COST	-1939.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1,939.00	
			1622760_02-100...	1622760	02-100	Excavation	3000	COST	-1939.14	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	-1,939.00	
			1622760_02-100...	1622760	02-100	Excavation	4000	COST	-1939.14	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	-1,939.00	
			1622760_02-100...	1622760	02-100	Excavation	5000	COST	-1939.14	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	-1,939.00	
			1622760_02-100...	1622760	02-100	Excavation	LAB	COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
			1622760_03-100...	1622760	03-100	Foldings	1000	COST	-2,895.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2,895.00	
			1622760_01-100...	1622760	01-100	Blue Prints	1000	COST	-3,169.14	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	6,046.65 -5,204.00	
			1622760_01-100...	1622760	01-100	Blue Prints	2000	COST	-1939.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,451.33 -4,518.00	
			1622760_01-100...	1622760	01-100	Blue Prints	3000	COST	-1939.14	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	6,632.36 -3,316.00	
			Shared Savings				-7,067.42				0.00				20,000.00			
			Lump Sum:				-16,469.03				0.00				60,000.00			
			Total:				-23,536.45				0.00				80,000.00			

Contract Forecast with PCI Projections; standard Treeview path: CMiC Field > Budget & Cost Management > Contract Forecasting

Bill codes set as ‘Shared Savings’ are grouped together at the bottom and sorted by cost/category codes. The Lump Sum lines will have Shared Savings Amount as zero and are grouped from the top, sorted by job/cost/category.

The CMiC Field role security allows users to restrict the visibility of these two columns. The default value is “Unrestricted” for “All” roles. Users may set the value as “Hidden” either to “All” or to specific roles. If these columns are set to “Hidden” using field security, then these fields will not be visible on the screen regardless of the ‘Visible’ checkbox in the Contract Forecast Screen Configuration screen launched by the [**Configure View**] button.

NOTE: If a bill code is checked as ‘Shared Savings’ on the Job Billing module’s Contract Entry screen (standard Treeview path: Job Billing > Contracts > Enter Contract – Billing Items tab), then the Shared Saving value on the Contract Forecast with PCI Projections screen will be set to “Y”.

The shared savings functionality is calculated as follows:

- For billing lines that are not marked as Shared Savings, 100% of profit belongs to the company – in other words, Owner’s percent on these lines is equal to 0.
- On a line where profit is less than zero (loss), the negative profit amount will be split per the Shared Savings % and displayed dynamically in run time.
- Total contract profit amount is equal to the sum of all shared savings amount for the company. This will include fee line(s) that will be set as non-shared.

Shared Savings Amount is understood as Non-Owners’ Savings Amount. Hence, this must be calculated using owner’s shared percentage entered in the JB Billing Contract Entry.

For example:

$$\text{Owner's Shared Saving's \% (P)} = 25\%$$

For any line item with profit greater than zero:

$$(A) \text{Revenue Forecast (including potential change items)}: = 60,500.00$$

$$(B) \text{Cost Budget (including potential change items)}: = 55,000.00$$

(C) Projected Cost (including unposted PCIs)	= 50,000.00
(D) Calculated profit amount on the line	= (A) – (C) = 60,500.00 –
	50,000.00 = 10,500.00

For lines marked as Shared Savings Line:

(a) if D > 0 then

(E) Owner's part of Shared Savings	= (D) * (P) = 10,500 * 25%
	= 2,625.00
(G) Company's part of Shared Savings	= (D) – (E) = 7,875.00

(b) if D < 0 then

(E) Owner's part of Shared Savings	= 0.00
(G) Company's part of Shared Savings	= (D) – (E) = (D)

For lines not marked as Shared Savings:

(E) Owner's part of Shared Savings	= 0.00
(G) Company's part of Shared Savings	= (D) – (E) = (D)

For any line item with profit less than zero:

(A) Revenue Forecast (including potential change items):	= 60,500.00
(B) Cost Budget (including potential change items):	= 55,000.00
(C) Projected Cost (including unposted PCIs):	= 65,000.00
(D) Calculated profit amount on the line = (A) – (C)	= 60,500.00 – 65,000.00
	= -4,500.00

For lines marked as Shared Savings Line:

(a) if D > 0 then

(E) Owner's part of Shared Savings	= (D) * (P)
(G) Company's part of Shared Savings	= (D) – (E)

(b) if D < 0 then

(E) Owner's part of Shared Savings	= 0.00
(G) Company's part of Shared Savings	= (D) – (E) = -4,500.00

Contract Forecasting with PCI Projections - R12

Total profit for the entire contract, including fee line(s) = sum of (G).

The following are examples as per the calculations:

Contract																						
Contract	2000M	Year	2017	Status	In Process	Filter	<input checked="" type="radio"/> Cost/Revenue	<input type="radio"/> Projected Cost	Show	<input checked="" type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines	<input type="checkbox"/> Current Activity Only	<input type="checkbox"/> Overrides Only									
Time Phased	N	Att.	Freeze Update	Bill...	Job	Phase	Name	Ca...	Phase Type	Type	Spent/Com... Against Base Contract	Cost	Original Bill Budget Amount	Revenue Forecast	Revenue Variance	Adj Rev Forecast	Projected Pr...	Cost Foreca...	Shared Saving Variance	Profit Includ...	Last Period Shared Saving Forecast	Current P Changes
2000...	200052	04270	GLAS...	O	COST	0.00	250.00	125,000.00	125,000.00	0.00	125,000.00	50,750.00	0.00	0.00	0.00	50,750.00	0.00	0.00	50,750.00	74,250.00		
2000...	200052	04270	GLAS...	S	COST	0.00	000.00	125,000.00	125,000.00	0.00	125,000.00	24,000.00	0.00	0.00	0.00	24,000.00	0.00	0.00	24,000.00	101,000.00		
2000...	200052	05100	STRU...	E	COST	0.00	000.00	150,000.00	150,000.00	0.00	150,000.00	100,000.00	0.00	0.00	0.00	100,000.00	0.00	0.00	100,000.00	50,000.00		
2000...	200052	05100	STRU...	L	COST	0.00	000.00	175,000.00	175,000.00	0.00	175,000.00	115,000.00	0.00	0.00	0.00	115,000.00	0.00	0.00	115,000.00	60,000.00		
2000...	200052	05100	STRU...	M	COST	0.00	500.00	125,000.00	125,000.00	0.00	125,000.00	74,500.00	0.00	0.00	0.00	74,500.00	0.00	0.00	74,500.00	50,500.00		
2000...	200052	05100	STRU...	O	COST	0.00	000.00	140,000.00	140,000.00	0.00	140,000.00	95,000.00	0.00	0.00	0.00	95,000.00	0.00	0.00	95,000.00	45,000.00		
2000...	200052	05100	STRU...	S	COST	0.00	750.00	130,000.00	130,000.00	0.00	130,000.00	75,250.00	0.00	0.00	0.00	75,250.00	0.00	0.00	75,250.00	54,750.00		
2000...	2000M	01001	GENE...	E	COST	20,000.00	000.00	150,000.00	404,250.00	-123,250.00	150,000.00	-81,000.00	0.00	0.00	0.00	-81,000.00	0.00	0.00	100,000.00			
2000...	2000M	01001	GENE...	L	COST	31,250.00	000.00	125,000.00	439,250.00	-163,250.00	125,000.00	-126,000.00	0.00	0.00	0.00	-126,000.00	0.00	0.00	100,000.00			
2000...	2000M	01001	GENE...	M	COST	45,000.00	000.00	150,000.00	474,250.00	-153,250.00	150,000.00	-121,000.00	0.00	0.00	0.00	-121,000.00	0.00	0.00	100,000.00			
2000...	2000M	01001	GENE...	O	COST	40,000.00	000.00	125,000.00	509,250.00	-193,250.00	125,000.00	-166,000.00	0.00	0.00	0.00	-166,000.00	0.00	0.00	100,000.00			
2000...	2000M	01001	GENE...	S	COST	75,000.00	000.00	125,000.00	544,250.00	-208,250.00	125,000.00	-186,000.00	0.00	0.00	0.00	-186,000.00	0.00	0.00	100,000.00			
2000...	200051	01112	CLEA...	E	COST	0.00	000.00	120,000.00	120,000.00	0.00	120,000.00	20,000.00	0.00	0.00	0.00	20,000.00	0.00	0.00	18,000.00			
2000...	200051	01112	CLEA...	L	COST	0.00	000.00	100,000.00	100,000.00	0.00	100,000.00	50,000.00	0.00	0.00	0.00	10,000.00	0.00	0.00	40,000.00			
2000...	200051	01112	CLEA...	M	COST	0.00	000.00	175,000.00	175,000.00	0.00	175,000.00	125,000.00	0.00	0.00	0.00	37,500.00	0.00	0.00	87,500.00			
2000...	200051	01112	CLEA...	O	COST	0.00	000.00	150,000.00	150,000.00	0.00	150,000.00	100,000.00	0.00	0.00	0.00	40,000.00	0.00	0.00	60,000.00			
2000...	200051	01112	CLEA...	S	COST	0.00	000.00	140,000.00	140,000.00	0.00	140,000.00	90,000.00	0.00	0.00	0.00	45,000.00	0.00	0.00	50,000.00			
2000...	200052	01080	BLUEP...	E	COST	0.00	000.00	85,000.00	85,000.00	0.00	85,000.00	0.00	0.00	0.00	-33,000.00	0.00	0.00	52,000.00				
2000...	200052	01080	BLUEP...	L	COST	0.00	000.00	125,000.00	125,000.00	0.00	125,000.00	-25,000.00	0.00	0.00	0.00	-20,000.00	0.00	0.00	100,000.00			
2000...	200052	01080	BLUEP...	M	COST	0.00	000.00	90,000.00	90,000.00	0.00	90,000.00	-20,000.00	0.00	0.00	0.00	-20,000.00	0.00	0.00	60,000.00			
2000...	200052	01080	BLUEP...	O	COST	0.00	000.00	125,000.00	125,000.00	0.00	125,000.00	-50,000.00	0.00	0.00	0.00	-50,000.00	0.00	0.00	100,000.00			
2000...	200052	01080	BLUEP...	S	COST	0.00	000.00	145,000.00	145,000.00	0.00	145,000.00	55,000.00	0.00	0.00	0.00	55,000.00	0.00	0.00	100,000.00			
Shared Savings:						000.25	1,930,000.00	3,626,250.00	-841,250.00	1,930,000.00	-445,000.25	0.00	0.00	0.00	-445,000.25	0.00	0.00	445,000.25				
Lump Sum:						000.00	3,400,000.00	3,576,093.75	-176,093.75	3,400,000.00	1,616,375.00	0.00	0.00	0.00	1,616,375.00	0.00	0.00	1,616,375.00				
Total:						000.25	5,330,000.00	7,202,343.75	-1,017,343.75	5,330,000.00	1,171,374.75	0.00	0.00	0.00	1,171,374.75	0.00	0.00	1,171,374.75				

Contract																						
Contract	2000M	Year	2017	Status	In Process	Filter	<input checked="" type="radio"/> Cost/Revenue	<input type="radio"/> Projected Cost	Show	<input checked="" type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines	<input type="checkbox"/> Current Activity Only	<input type="checkbox"/> Overrides Only									
Time Phased	N	Att.	Freeze Update	Bill...	Job	Phase	Name	Ca...	Phase Type	Type	Spent/Com... Against Base Contract	Cost	Original Bill Budget Amount	Revenue Forecast	Revenue Variance	Adj Rev Forecast	Projected Pr...	Cost Foreca...	Shared Saving Variance	Profit Includ...	Last Period Shared Saving Forecast	Current P Changes
2000...	200052	04270	GLAS...	O	COST	0.00	250.00	125,000.00	125,000.00	0.00	125,000.00	50,750.00	0.00	0.00	0.00	50,750.00	0.00	0.00	50,750.00	74,250.00		
2000...	200052	04270	GLAS...	S	COST	0.00	000.00	125,000.00	125,000.00	0.00	125,000.00	24,000.00	0.00	0.00	0.00	24,000.00	0.00	0.00	24,000.00	101,000.00		
2000...	200052	05100	STRU...	E	COST	0.00	000.00	150,000.00	150,000.00	0.00	150,000.00	100,000.00	0.00	0.00	0.00	100,000.00	0.00	0.00	100,000.00	50,000.00		
2000...	200052	05100	STRU...	L	COST	0.00	000.00	175,000.00	175,000.00	0.00	175,000.00	115,000.00	0.00	0.00	0.00	115,000.00	0.00	0.00	115,000.00	60,000.00		
2000...	200052	05100	STRU...	M	COST	0.00	500.00	125,000.00	125,000.00	0.00	125,000.00	74,500.00	0.00	0.00	0.00	74,500.00	0.00	0.00	74,500.00	50,500.00		
2000...	200052	05100	STRU...	O	COST	0.00	000.00	140,000.00	140,000.00	0.00	140,000.00	95,000.00	0.00	0.00	0.00	95,000.00	0.00	0.00	95,000.00	45,000.00		
2000...	200052	05100	STRU...	S	COST	0.00	750.00	130,000.00	130,000.00	0.00	130,000.00	75,250.00	0.00	0.00	0.00	75,250.00	0.00	0.00	75,250.00	54,750.00		
2000...	2000M	01001	GENE...	E	COST	20,000.00	000.00	150,000.00	404,250.00	-123,250.00	150,000.00	-81,000.00	0.00	0.00	0.00	-81,000.00	0.00	0.00	100,000.00			
2000...	2000M	01001	GENE...	L	COST	31,250.00	000.00	125,000.00	439,250.00	-163,250.00	125,000.00	-126,000.00	0.00	0.00	0.00	-126,000.00	0.00	0.00	100,000.00			
2000...	2000M	01001	GENE...	M	COST	45,000.00	000.00	150,000.00	474,250.00	-153,250.00	150,000.00	-121,000.00	0.00	0.00	0.00	-121,000.00	0.00	0.00	100,000.00			
2000...	2000M	01001	GENE...	O	COST	40,000.00	000.00	125,000.00	509,250.00	-193,250.00	125,000.00	-166,000.00	0.00	0.00	0.00	-166,000.00	0.00	0.00	100,000.00			
2000...	2000M	01001	GENE...	S	COST	75,000.00	000.00	125,000.00	544,250.00	-208,250.00	125,000.00	-186,000.00	0.00	0.00	0.00	-186,000.00	0.00	0.00	100,000.00			
2000...	200051	01112	CLEA...	E	COST	0.00	000.00	120,000.00	120,000.00	0.00	120,000.00	20,000.00	0.00	0.00	0.00	20,000.00	0.00	0.00	18,000.00			
2000...	200051	01112	CLEA...	L	COST	0.00	000.00	100,000.00	100,000.00	0.00	100,000.00	50,000.00	0.00	0.00	0.00	10,000.00	0.00	0.00	40,000.00			
2000...	200051	01112	CLEA...	M	COST	0.00	000.00	175,000.00	175,000.00	0.00	175,000.00	125,000.00	0.00	0.00	0.00	37,500.00	0.00	0.00	87,500.00			
2000...	200051	01112	CLEA...	O	COST	0.00	000.00	150,000.00	150,000.00	0.00	150,000.00	100,000.00	0.00	0.00	0.00	40,000.00	0.00	0.00	60,000.00			
2000...	200051	01112	CLEA...	S	COST	0.00	000															

Contract Forecasting with PCI Projections - R12

NOTE: The value in the Profit Including Shared Saving column in the Contract Forecast with PCI Projections screen defaults to the Projected Profit Override column in the Job Costing Enter WIP Adjustments screen. Refer to [Entering and Posting WIP Adjustments](#) for more details.

Projected Profit

Adjusted Revenue Forecast minus Projected Cost Forecast Including Pending PCIs.

NOTE: In the calculation of the Project Profit column, the Projected Cost Forecast Including Pending PCIs includes Internal PCI amounts.

Notes

Example of Notes column on Contract Forecast with PCI Projections screen

The Notes column appears to the right of the forecasting screen by default. However, users can adjust the location of this column using the **[Column Configure]** button.

Contract Forecasting with PCI Projections - R12

This column is different than the **[Notes]** button on the Main Toolbar. By default, this column is hidden. Users must set the field security for the “ALL” role as “Unrestricted” to make this column visible and for specific user roles as required.

Users must click on a field in the Notes column to expand the text box for typing.

Save Cancel

Adj Rev Forecast	Shared Savi... Amount	Profit Inclu... Shared Savi...	Projected P...	Notes	Total Cost to Complete
0.00	0.00	0.00	0.00	This is an example ...	0.00
-45,896.96	0.00	0.00	0.00	This is an example of a note.	0.00
0.00			0.00	mouse-over text	0.00
0.00			0.00		0.00
0.00			0.00		0.00

Once the text is entered and users tab off the field, the [Save] and [Cancel] buttons appear in the Main Toolbar to save or cancel the note. When the user hovers their

mouse over the note, mouse-over text will appear.

NOTE: Archive Forecast does not contain the Notes column. Since this note is a free-form text and archiving multiple times in a forecasting period may not be needed.

Total Cost to Complete

The column value is calculated as:

Total Cost To Complete = Cost To Complete (CTC) + Pending CO Cost To Complete

The Cost To Complete (CTC) includes the Pending Internal Change Order Amounts and the Cost To Complete Pending CO column includes External Change Orders.

Therefore, the sum of both shows the Total Cost To Complete amount.

This is a display-only column and field security can be applied to “ALL” or specific user roles as required. The column can be set to “Hidden” or “Unrestricted (Read-Only)”.

Group 1, 2, 3, 4, and 5

If group codes exist for a specific bill code, they will be displayed for the associated contract. These columns are read-only and cannot be updated. If no group code exists for the bill code, the field will be blank.

Earned Value Forecasting Columns

The earned value forecasting columns can be added to the Contract Forecasting screen using the **[Configure View]** button. An example of how the fields are used is shown in the

screenshot above.

NOTE: Refer to [Main Toolbar Buttons](#) for more information on using the **[Configure View]** button to add columns to the Contract Forecast screen.

Percent Complete (Earned Value)

Auto-calculation with manual override. Calculation depends on forecast method:

- A Method: Manual override, no auto-calculation.
- U Method: Completed output/budgeted output. Allow override but do not update output values.
- P Method: Completed input/budgeted input. Allow override but do not update input values.

Percent Complete (Earned Value) Override Flag – Checkbox

This checkbox will be displayed to indicate when the Percent Complete (Earned Value) field is overridden for any forecast method line.

Current Earned Value

Current Cost Budget * Percent Complete. No override allowed.

Variance

Current Earned Value – Spent and Committed. No override allowed.

Current Earned Revenue

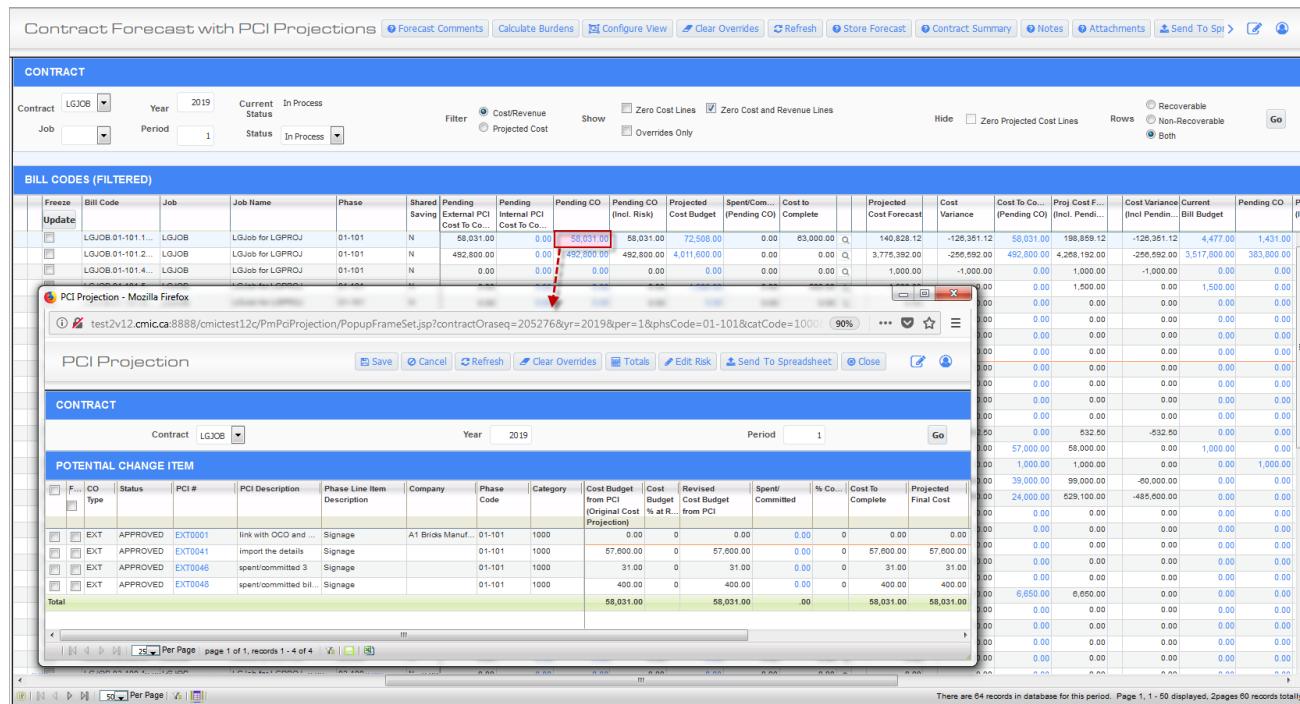
Current Billing Budget * Percent Complete. No override allowed.

Current Profit

Current Earned Revenue – Spent and Committed. No override allowed.

NOTE: When users override the value in the Percent Complete (Earned Value) field for any forecast method line (A, U and P), the rest of the values in the earned value forecasting columns will get calculated accordingly based on the formulae mentioned above.

PCI Projection Pop-Up Window



PCI Projection pop-up window launched from Contract Forecast with PCI Projections screen

When launching a PCI Projections pop-up window from CMiC Field's Contract Forecast with PCI Projections screen, the re-query with [Go] button in the pop-up retrieves only those records specific to the bill code from where the pop-up is launched.

If the [Clear Overrides] button is used in the pop-up window, the Contract Forecast with PCI Projections screen is automatically refreshed when the pop-up window is saved and closed.

In addition, the Contract Forecast with PCI Projections screen will automatically be refreshed when users override the values of columns or update the PCI amounts by drilling down to the PCI Projection screen, editing and saving the PCI, closing the PCI pop-up, and refreshing the PCI Projection pop-up. The system will automatically refresh the Contract Forecast with PCI Projections screen and fetch the changes made in the PCI pop-up.

For example:

Edit the PCI amount by drilling down a PCI from the PCI Projection pop-up, which is drilled down from the Contract Forecasting screen, as shown in the following screen-shot.

Contract Forecasting with PCI Projections - R12

Refresh the PCI Projection pop-up and close it.

After closing PCI Projection pop-up, users don't have to refresh again in the Contract Forecast with PCI Projections screen.

Using System Options Flag to Consider PCI Detail Status in Contract Forecast

If the System Options flag ‘sys_cmddetail_stat_cfcast_flag’ is set as “Y”, the system will consider the status of detailed lines of PCI. If this is the case, the cost/revenue side of PCIs will match in both the Contract Forecast with PCI Projections screen and the PCI Projection pop-up screen.

NOTE: The System Options flag ‘sys_cmddetail_stat_cfcast_flag’ is not accessible by users and for system administrators access only.

For example:

Potential Change Item										Date 01-Jan-2017	Post Date
<input type="checkbox"/> Update Projected Amount During Posting											
Type External / Owner Change Orders	Modify Type	PCI No. EXT0007	Description: External	Scope Description	Status Approved	Proceed <input checked="" type="checkbox"/>	Source	Forecast <input checked="" type="checkbox"/>			
Days Impact							End Date 31-Dec-2020				
Start Date 01-Jan-2017							Date Due To Owner				
OCO No. BUILD1101							Date Proposal Signed By Owner				
Date Proposal Issued To Owner							Date Change Signed By Owner				
Date Change Sent To Owner							Reason				
Source Type							Auto Calculate Markups <input type="checkbox"/>				
Status Last Updated							Total Billing Amount 862,500.00				
Total Budgeted Amount 575,000.00											
PCI Summary											

Contract Forecasting with PCI Projections - R12

Potential Change Item

Type External / Owner Change Orders	Modify Type	Date 01-Jan-2017	Post Date																																																																																																									
PCI No. EXT0008	Update Projected Amount During Posting <input checked="" type="checkbox"/>																																																																																																											
Description EXTERNAL																																																																																																												
Scope Description																																																																																																												
Status Rejected	<input type="checkbox"/> Proceed <input type="checkbox"/> Source <input type="checkbox"/> End Date <input type="checkbox"/> Forecast																																																																																																											
Days Impact																																																																																																												
Start Date																																																																																																												
OCO No.																																																																																																												
Date Proposal Issued To Owner																																																																																																												
Date Change Sent To Owner																																																																																																												
Source Type																																																																																																												
Status Last Updated 10-Oct-2017																																																																																																												
Total Budgeted Amount 163,250.00	Total Billing Amount 244,875.00																																																																																																											
PCI Summary <table border="1"> <thead> <tr> <th colspan="3">Vendors</th> </tr> <tr> <th>Vendor</th> <th>Budgeted Amount</th> <th>Billing Amount</th> </tr> </thead> <tbody> <tr> <td></td> <td>163,250.00</td> <td>244,875.00</td> </tr> <tr> <td>Total</td> <td>163,250.00</td> <td>244,875.00</td> </tr> </tbody> </table>				Vendors			Vendor	Budgeted Amount	Billing Amount		163,250.00	244,875.00	Total	163,250.00	244,875.00																																																																																													
Vendors																																																																																																												
Vendor	Budgeted Amount	Billing Amount																																																																																																										
	163,250.00	244,875.00																																																																																																										
Total	163,250.00	244,875.00																																																																																																										
Allocation <table border="1"> <thead> <tr> <th>Job</th> <th>Phase</th> <th>Category</th> <th>Quantity</th> <th>Rate</th> <th>Budgeted Amount</th> <th>Billing Amount</th> </tr> </thead> <tbody> <tr> <td>BUILD11</td> <td>03-100</td> <td>2000</td> <td>1,000</td> <td></td> <td>25,750.00</td> <td>38,625.00</td> </tr> <tr> <td>BUILD11</td> <td>03-100</td> <td>3000</td> <td>1,250</td> <td></td> <td>62,500.00</td> <td>93,750.00</td> </tr> <tr> <td>BUILD11</td> <td>03-100</td> <td>4000</td> <td>1,000</td> <td></td> <td>30,000.00</td> <td>45,000.00</td> </tr> <tr> <td>BUILD11</td> <td>03-100</td> <td>5000</td> <td>750</td> <td></td> <td>45,000.00</td> <td>67,500.00</td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td></td> <td></td> <td>163,250.00</td> <td>244,875.00</td> </tr> </tbody> </table>				Job	Phase	Category	Quantity	Rate	Budgeted Amount	Billing Amount	BUILD11	03-100	2000	1,000		25,750.00	38,625.00	BUILD11	03-100	3000	1,250		62,500.00	93,750.00	BUILD11	03-100	4000	1,000		30,000.00	45,000.00	BUILD11	03-100	5000	750		45,000.00	67,500.00	Total					163,250.00	244,875.00																																																															
Job	Phase	Category	Quantity	Rate	Budgeted Amount	Billing Amount																																																																																																						
BUILD11	03-100	2000	1,000		25,750.00	38,625.00																																																																																																						
BUILD11	03-100	3000	1,250		62,500.00	93,750.00																																																																																																						
BUILD11	03-100	4000	1,000		30,000.00	45,000.00																																																																																																						
BUILD11	03-100	5000	750		45,000.00	67,500.00																																																																																																						
Total					163,250.00	244,875.00																																																																																																						
PCI Detail <table border="1"> <thead> <tr> <th colspan="4">Hide Rates</th> <th colspan="2">RFQ</th> <th colspan="2">Notes</th> <th colspan="2">Related Objects</th> <th colspan="2">Attachments</th> <th colspan="2">History</th> </tr> <tr> <th>Activity</th> <th>Phase</th> <th>Qty</th> <th>Quantity</th> <th>Estimated Rate</th> <th>Estimated Amount</th> <th>Quoted Rate</th> <th>Quoted Amount</th> <th>Phase Unit Rate</th> <th>Final Rate</th> <th>Final Amount</th> <th>Billing Quantity</th> <th>Billing Rate</th> <th>Billing Amount</th> <th>Subcontract Change</th> <th>Task ID</th> <th>Status</th> <th>OCO No.</th> <th>Des</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>1,000</td> <td>1,000</td> <td>25.750</td> <td>25,750.00</td> <td></td> <td></td> <td>0.000</td> <td></td> <td>1000</td> <td>38,625</td> <td>38,625.00</td> <td></td> <td></td> <td>APPROVED</td> <td></td> <td>Footings</td> </tr> <tr> <td></td> <td></td> <td>1,250</td> <td>1,250</td> <td>50.000</td> <td>62,500.00</td> <td></td> <td></td> <td>0.000</td> <td></td> <td>1250</td> <td>75</td> <td>93,750.00</td> <td></td> <td></td> <td>PENDING</td> <td></td> <td>Footings</td> </tr> <tr> <td></td> <td></td> <td>1,000</td> <td>1,000</td> <td>30.000</td> <td>30,000.00</td> <td></td> <td></td> <td>0.000</td> <td></td> <td>1000</td> <td>45</td> <td>45,000.00</td> <td></td> <td></td> <td>REJECTED</td> <td></td> <td>Footings</td> </tr> <tr> <td></td> <td></td> <td>750</td> <td>750</td> <td>60.000</td> <td>45,000.00</td> <td></td> <td></td> <td>0.000</td> <td></td> <td>750</td> <td>90</td> <td>67,500.00</td> <td></td> <td></td> <td>APPROVED</td> <td></td> <td>Footings</td> </tr> </tbody> </table>				Hide Rates				RFQ		Notes		Related Objects		Attachments		History		Activity	Phase	Qty	Quantity	Estimated Rate	Estimated Amount	Quoted Rate	Quoted Amount	Phase Unit Rate	Final Rate	Final Amount	Billing Quantity	Billing Rate	Billing Amount	Subcontract Change	Task ID	Status	OCO No.	Des			1,000	1,000	25.750	25,750.00			0.000		1000	38,625	38,625.00			APPROVED		Footings			1,250	1,250	50.000	62,500.00			0.000		1250	75	93,750.00			PENDING		Footings			1,000	1,000	30.000	30,000.00			0.000		1000	45	45,000.00			REJECTED		Footings			750	750	60.000	45,000.00			0.000		750	90	67,500.00			APPROVED		Footings
Hide Rates				RFQ		Notes		Related Objects		Attachments		History																																																																																																
Activity	Phase	Qty	Quantity	Estimated Rate	Estimated Amount	Quoted Rate	Quoted Amount	Phase Unit Rate	Final Rate	Final Amount	Billing Quantity	Billing Rate	Billing Amount	Subcontract Change	Task ID	Status	OCO No.	Des																																																																																										
		1,000	1,000	25.750	25,750.00			0.000		1000	38,625	38,625.00			APPROVED		Footings																																																																																											
		1,250	1,250	50.000	62,500.00			0.000		1250	75	93,750.00			PENDING		Footings																																																																																											
		1,000	1,000	30.000	30,000.00			0.000		1000	45	45,000.00			REJECTED		Footings																																																																																											
		750	750	60.000	45,000.00			0.000		750	90	67,500.00			APPROVED		Footings																																																																																											

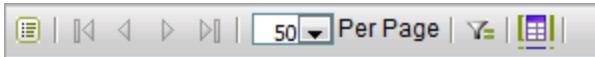
Contract

Contract		Year	2017	Period	1	Go										
Contract BUILD11																
Potential Change Item																
<input type="checkbox"/> F...	<input type="checkbox"/> CO Type	Status	PCI #	PCI Description	Phase Line Item Description	Company	Phase Code	Category	Cost Budget from PCI (Original Cost Projection)	Cost Budget % at Risk from PCI	Revised Cost Budget	Spent/Committed	% Co...	Cost To Complete	Projected Final Cost	Submitted/Projected Revenue Value from PCI
<input type="checkbox"/>	<input type="checkbox"/>	EXT APPROVED	EXT0001	EXTERNAL	Blue Prints	ZZ-Acme Supply	01-100	3000	1,000.00	0	1,000.00	1,000.00	100	0.00	1,000.00	1,000.00
<input type="checkbox"/>	<input type="checkbox"/>	EXT APPROVED	EXT0002	EXTERNAL	Blue Prints	ZZ-Acme Supply	01-100	2000	2,500.00	0	2,500.00	0.00	0	2,500.00	2,500.00	3,750.00
<input type="checkbox"/>	<input type="checkbox"/>	EXT APPROVED	EXT0003	TEST	Blue Prints	ZZ-Acme Supply	01-100	4000	3,000.00	0	3,000.00	0.00	0	3,000.00	3,000.00	4,500.00
<input type="checkbox"/>	<input type="checkbox"/>	EXT PENDING	EXT0004	external pending PCI	Blue Prints	ZZ-Acme Supply	01-100	3000	2,000.00	0	2,000.00	0.00	0	2,000.00	2,000.00	3,000.00
<input type="checkbox"/>	<input type="checkbox"/>	EXT APPROVED	EXT0005	EXTERNAL	Blue Prints	ZZ-Acme Supply	01-100	3000	2,000.00	0	2,000.00	0.00	0	2,000.00	2,000.00	3,000.00
<input type="checkbox"/>	<input type="checkbox"/>	EXT APPROVED	EXT0006	external	Blue Prints	ZZ-Acme Supply	01-100	4000	2,500.00	0	2,500.00	0.00	0	2,500.00	2,500.00	3,750.00
<input type="checkbox"/>	<input type="checkbox"/>	EXT PENDING	EXT0007	External	Footings	ZZ-Acme Supply	03-100	3000	125,000.00	0	125,000.00	0.00	0	125,000.00	125,000.00	187,500.00
<input type="checkbox"/>	<input type="checkbox"/>	EXT APPROVED	EXT0007	External	Footings	ZZ-Acme Supply	03-100	5000	200,000.00	0	200,000.00	0.00	0	200,000.00	200,000.00	300,000.00
<input type="checkbox"/>	<input type="checkbox"/>	EXT APPROVED	EXT0008	EXTERNAL	Footings	ZZ-Acme Supply	03-100	2000	25,750.00	0	25,750.00	0.00	0	25,750.00	25,750.00	38,625.00
<input type="checkbox"/>	<input type="checkbox"/>	EXT PENDING	EXT0008	EXTERNAL	Footings	ZZ-Acme Supply	03-100	3000	62,500.00	0	62,500.00	0.00	0	62,500.00	62,500.00	93,750.00
<input type="checkbox"/>	<input type="checkbox"/>	EXT APPROVED	EXT0008	EXTERNAL	Footings	ZZ-Acme Supply	03-100	5000	45,000.00	0	45,000.00	0.00	0	45,000.00	45,000.00	67,500.00
<input type="checkbox"/>	<input type="checkbox"/>	INT APPROVED	INT0001	INTERNAL	Blue Prints	ZZ-Acme Supply	00-100	2000	1,000.00	0	1,000.00	1,000.00	100	0.00	1,000.00	1,000.00
<input type="checkbox"/>	<input type="checkbox"/>	DBC APPROVED	DBC000001	Excavation	ZZ-Acme Supply	ZZ-Acme Supply	00-100	1000	2,500.00	0	2,500.00	0.00	0	2,500.00	2,500.00	3,750.00
Total									474,750.00		474,750.00	2,000.00		472,750.00	474,750.00	710,125.00

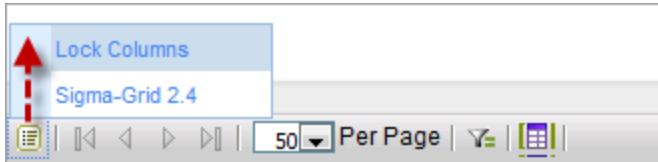
Contract Forecasting with PCI Projections - R12

Contract																				
Contract	BUILD11	<input checked="" type="checkbox"/>	Year	2017	Status	In Process	Filter	<input checked="" type="radio"/> Cost/Revenue	<input type="radio"/> Projected Cost	Show	<input checked="" type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines	<input type="checkbox"/> Current Activity Only	<input type="checkbox"/> Overrides Only	Hide	<input checked="" type="checkbox"/> Zero Projected Cost Lines	Rows	<input type="radio"/> Recoverable	<input type="radio"/> Non-Recoverable	<input checked="" type="radio"/> Both
Job		<input type="checkbox"/>	Period	1	Forecast has been stored															
Bill Codes																				
N	Att	Contract C...	Bill Code	Job	Phase	Name	Category	Type	Meth...	ete	Pending Internal PCI	Pending PCI Cost To Compl	Pending Internal PCI Cost To Compl	Pending CO	Pending External PCI Cost To Compl	Pending CO (Incl. Risk)	Projected Cost Budget	Spent/Com... (Pending CO)	Cost to Complete	
		<input checked="" type="checkbox"/>	BUILD11	BUILD11-S-02-100.LAB	BUILD11-S	02-100	Excavation	LAB	COST	R	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00		
		<input type="checkbox"/>	BUILD11	BUILD11-S-03-100..	BUILD11-S	03-100	Footings	1000	COST	P	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00	1C	
		<input type="checkbox"/>	BUILD11	BUILD11-S-03-100..	BUILD11-S	03-100	Footings	2000	COST	U	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00		
		<input type="checkbox"/>	BUILD11	BUILD11-S-03-100..	BUILD11-S	03-100	Footings	3000	COST	A	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00	1C	
		<input type="checkbox"/>	BUILD11	BUILD11-S-03-100..	BUILD11-S	03-100	Footings	4000	COST	P	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00	1C	
		<input type="checkbox"/>	BUILD11	BUILD11-S-03-100..	BUILD11-S	03-100	Footings	5000	COST	U	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00	1C	
		<input type="checkbox"/>	BUILD11	BUILD11-S-03-100.LAB	BUILD11-S	03-100	Footings	LAB	COST	P	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00		
		<input type="checkbox"/>	BUILD11	BUILD11-01-100.100	BUILD11	01-100	Blue Prints	1000	COST	P	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00	1C	
		<input type="checkbox"/>	BUILD11	BUILD11-01-100.2000	BUILD11	01-100	Blue Prints	2000	COST	P	0.00	2,500.00	2,500.00	0.00	2,500.00	2,500.00	3,500.00	13,500.00	0.00	
		<input type="checkbox"/>	BUILD11	BUILD11-01-100.3000	BUILD11	01-100	Blue Prints	3000	COST	P	0.00	3,000.00	2,000.00	0.00	3,000.00	3,000.00	13,000.00	13,000.00	1,000.00	1C
		<input type="checkbox"/>	BUILD11	BUILD11-01-100.4000	BUILD11	01-100	Blue Prints	4000	COST	P	0.00	3,000.00	3,000.00	0.00	3,000.00	3,000.00	13,000.00	13,000.00	0.00	S
		<input type="checkbox"/>	BUILD11	BUILD11-01-100.LAB	BUILD11	01-100	Blue Prints	LAB	COST	P	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00		
		<input type="checkbox"/>	BUILD11	BUILD11-02-100.1000	BUILD11	02-100	Excavation	1000	COST	P	0.00	0.00	2,000.00	0.00	2,500.00	2,500.00	2,500.00	12,500.00	0.00	1C
		<input type="checkbox"/>	BUILD11	BUILD11-02-100.2000	BUILD11	02-100	Excavation	2000	COST	U	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00		
		<input type="checkbox"/>	BUILD11	BUILD11-02-100.3000	BUILD11	02-100	Excavation	3000	COST	A	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00	1C	
		<input type="checkbox"/>	BUILD11	BUILD11-02-100.4000	BUILD11	02-100	Excavation	4000	COST	A	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00	1C	
		<input type="checkbox"/>	BUILD11	BUILD11-02-100.LAB	BUILD11	02-100	Excavation	LAB	COST	R	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00		
		<input type="checkbox"/>	BUILD11	BUILD11-03-100.1000	BUILD11	03-100	Footings	1000	COST	P	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00	1C	
		<input type="checkbox"/>	BUILD11	BUILD11-03-100.2000	BUILD11	03-100	Footings	2000	COST	U	0.00	0.00	25,750.00	0.00	25,750.00	25,750.00	25,750.00	35,750.00	0.00	
		<input type="checkbox"/>	BUILD11	BUILD11-03-100.3000	BUILD11	03-100	Footings	3000	COST	A	0.00	0.00	187,500.00	0.00	187,500.00	187,500.00	187,500.00	197,500.00	0.00	1C
		<input type="checkbox"/>	BUILD11	BUILD11-03-100.4000	BUILD11	03-100	Footings	4000	COST	A	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00	1C	
		<input type="checkbox"/>	BUILD11	BUILD11-03-100.5000	BUILD11	03-100	Footings	5000	COST	A	0.00	0.00	245,000.00	0.00	245,000.00	245,000.00	245,000.00	255,000.00	0.00	
		<input type="checkbox"/>	BUILD11	BUILD11-03-100.LAB	BUILD11	03-100	Footings	LAB	COST	R	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00		
		<input type="checkbox"/>	BUILD11	BUILD11-S-01-100.10..	BUILD11-S	01-100	Blue Prints	1000	COST	P	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00	1C	
		<input type="checkbox"/>	BUILD11	BUILD11-S-01-100.20..	BUILD11-S	01-100	Blue Prints	2000	COST	U	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00		

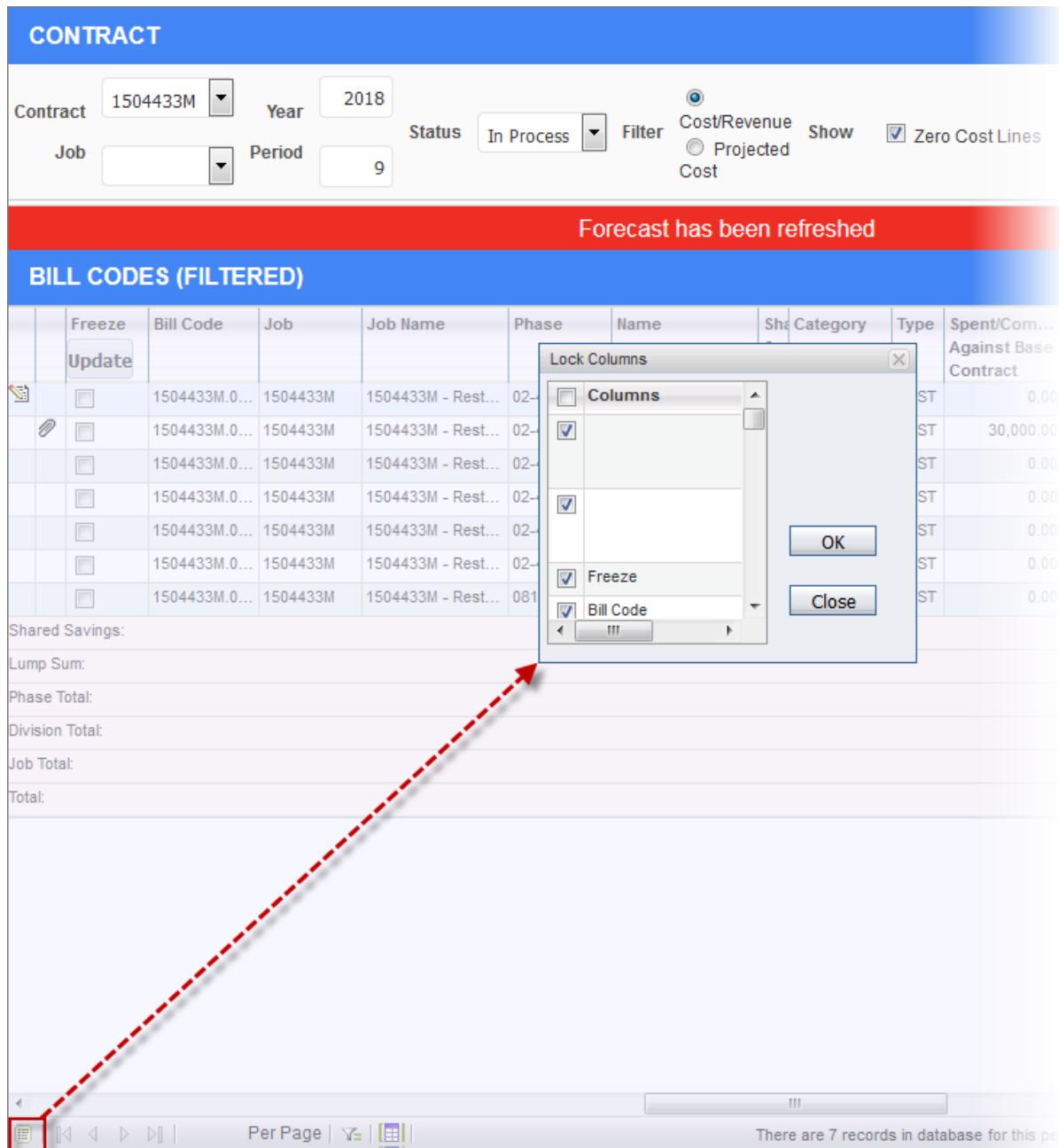
Contract Forecasting - Bottom Panel Buttons



Document – Icon



Clicking on the document icon and selecting “Lock Columns” from the menu launches a pop-up window where users can lock/unlock columns. If checked, locked columns will appear on the left side of the screen and remain in the frozen area when scrolling screen left or right.



Pop-up window launched from document icon on bottom panel of Contract Forecasting with PCI Projections screen

Navigation Arrows

Use the navigation arrow icons to move forward one page of records, or backward one page of records. Users can also advance to the last page of the records or the first page of records.

NOTE: The number of records displayed per page is set in the Per Page field.

Per Page

Use the drop-down menu to set the number of records to display per page.

Filter – Icon

The screenshot shows the PCI Contract Forecasting application. At the top, there are filters for Contract (1504433M), Year (2018), Status (In Process), and a Filter icon. The Filter icon is highlighted with a red box. A pop-up window titled "Filter Options" is displayed, showing a dropdown menu set to "Phase" with the value "02-4120". Buttons for "Delete", "Up", "Down", "OK", and "Close" are visible. In the background, a table titled "BILL CODES (FILTERED)" lists several rows of data, with the "Phase" column highlighted by a red box. A dashed red arrow points from the Filter icon on the main screen to the "OK" button in the pop-up window.

Pop-up window launched from Filter icon

Clicking on the Filter icon launches a pop-up window where users can set options to filter the records displayed on the screen.

The filter icon indicates when filters exist:



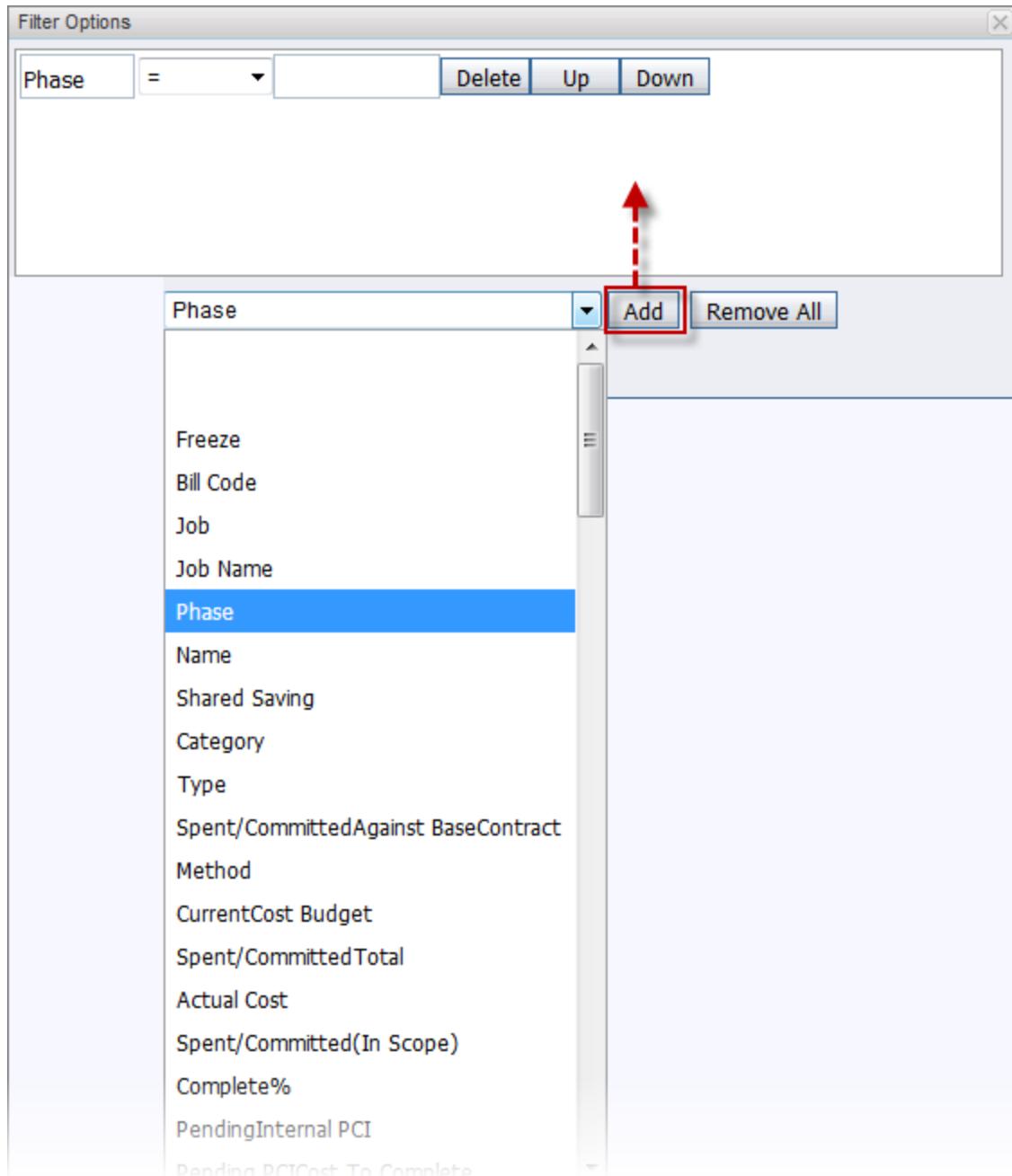
indicates no filters exist.



indicates filters exist.

To apply a filter, click on [Add] button in the Filter Options pop-up window to add a row of filter option fields. Next, use the drop-down menu to select a column by which to filter,

select a comparison operator from the drop-down menu, and enter an expression by which to filter in that column.



NOTE: Sorting a column after a filter is applied will not clear the filters previously set.

Contract Forecasting with PCI Projections - R12

Pin Summary Rows – Icon

The screenshot shows the 'Contract Forecast with PCI Projections' interface. At the top, there are various filters and buttons: 'Forecast Comments', 'Calculate Burdens', 'Configure View', 'Clear Overrides', 'Refresh', 'Contract Summary', 'Notes', 'Attachments', 'Send To Spreadsheet', 'Percent Complete', and a search icon. Below this is a 'CONTRACT' section with fields for 'Contract' (1504433M), 'Year' (2018), 'Status' (In Process), 'Period' (9), 'Filter' (CostRevenue), 'Show' (Zero Cost Lines, Zero Cost and Revenue Lines), 'Hide' (Zero Projected Cost Lines), 'Rows' (Recoverable, Non-Recoverable, Both), and a 'Go' button.

A red banner at the top states 'Forecast has been refreshed'. The main area is titled 'BILL CODES (FILTERED)' and contains a table with columns: Freeze, Bill Code, Job, Job Name, Phase, Name, Shared Saving, Category, Type, Spent/Com... Against Base Contract, Met..., Current Cost Budget, Spent/Com... Total, Actual Cost, Spent/Com... %, Pending Internal PCI, Pending External PCI, Pending Internal PCI, Pending CO (Incl. Risk), Pending CO, Projected Cost Budget, and Spent/Com... (Pending CO). The table lists several entries for 'Concrete Demo' and one for 'Aluminum Doors'.

At the bottom of the screen, there are summary rows: 'Shared Savings', 'Lump Sum', 'Phase Total', 'Division Total', 'Job Total', and 'Total'. A red arrow points from the 'Job Total' row to a tooltip that says 'Summary rows are pinned to the bottom of the forecast screen'. The bottom navigation bar includes icons for back, forward, search, and page controls, along with a note: 'There are 7 records in database for this period. Page 1, 1 - 7 displayed, 1 pages 7 records total.'

Clicking on the Pin Summary Rows icon allows users to pin the summary total lines to the bottom of the screen so that they can view the summary information without (vertical) scrolling. Users can switch to un-pin mode by clicking on the icon again.

Contract Forecasting with PCI Projections - R12

Contract Forecast with PCI Projections Forecast Comments Calculate Burdens Configure View Clear Overrides Refresh Store Forecast Contract Summary Notes Attachments Go

CONTRACT																																																																																															
Contract		JB-00001	Year	2019	Current Status	In Process	Filter	<input checked="" type="radio"/> CostRevenue	<input type="radio"/> Projected Cost	Show	<input type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines	Hide	<input type="checkbox"/> Zero Projected Cost Lines	Rows	<input type="radio"/> Recoverable																																																																															
Job		Period	1	Status	In Process										<input type="radio"/> Non-Recoverable																																																																																
BILL CODES (FILTERED)																																																																																															
N	Att.	Freeze	Bill Code	Job	Job Name	Phase	Name	Sh Category	Type	Spent/Com... Against Base Contract	Met...	Current Cost Budget	Spent/Com... Total	Actual Cost	Spent/Com... (In Scope)	Complete %	PCI Code	Pending Internal PCI	Pending PCI Cost To Co...	Pending External PCI Cost To Co...	Pending Internal PCI Cost To Co...	Pen...																																																																									
<table border="1"> <tr> <td colspan="16" style="text-align: center;">Click on a row to calculate summary totals</td> </tr> <tr> <td colspan="16" style="text-align: center;">4,165.00 5,622.00 1,455.00 4,167.00</td> </tr> <tr> <td colspan="16" style="text-align: center;">4,165.00 5,622.00 1,455.00 4,167.00</td> </tr> <tr> <td colspan="16" style="text-align: center;">4,165.00 5,622.00 1,455.00 4,167.00</td> </tr> <tr> <td colspan="16" style="text-align: center;">4,165.00 5,622.00 1,455.00 4,167.00</td> </tr> </table>																Click on a row to calculate summary totals																4,165.00 5,622.00 1,455.00 4,167.00																4,165.00 5,622.00 1,455.00 4,167.00																4,165.00 5,622.00 1,455.00 4,167.00																4,165.00 5,622.00 1,455.00 4,167.00															
Click on a row to calculate summary totals																																																																																															
4,165.00 5,622.00 1,455.00 4,167.00																																																																																															
4,165.00 5,622.00 1,455.00 4,167.00																																																																																															
4,165.00 5,622.00 1,455.00 4,167.00																																																																																															
4,165.00 5,622.00 1,455.00 4,167.00																																																																																															
Shared Savings: Lump Sum: Phase Total: Division Total: Job Total: Total:																																																																																															
There are 98 records in database for this period. Page 1, 1 - 50 displayed, 1 pages 98 records totally.																																																																																															

Contract Forecasting - Footer Details (Summary Panel)

Contract Forecast with PCI Projections Forecast Comments Calculate Burdens Configure View Clear Overrides Refresh Contract Summary Notes Attachments Send To Spreadsheet Percent Complete Go

CONTRACT																																																																																																		
Contract		1504433M	Year	2018	Status	In Process	Filter	<input checked="" type="radio"/> CostRevenue	<input type="radio"/> Projected Cost	Show	<input type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines	Hide	<input type="checkbox"/> Zero Projected Cost Lines	Rows	<input type="radio"/> Recoverable																																																																																		
Job		Period	9												<input type="radio"/> Non-Recoverable																																																																																			
Forecast has been refreshed																																																																																																		
BILL CODES (FILTERED)																																																																																																		
N	Att.	Freeze	Bill Code	Job	Job Name	Phase	Name	Sh Category	Type	Spent/Com... Against Base Contract	Met...	Current Cost Budget	Spent/Com... Total	Actual Cost	Spent/Com... (In Scope)	Complete %	Pending Internal PCI	Pending PCI Cost To Co...	Pending External PCI Cost To Co...	Pending Internal PCI Cost To Co...	Cost Com...																																																																													
<table border="1"> <tr> <td colspan="16" style="text-align: center;">0.00 0.00 0.00 0.00</td> </tr> <tr> <td colspan="16" style="text-align: center;">4,564,550.00 1,614,941.36 1,371,040.00 1,614,941.36</td> </tr> <tr> <td colspan="16" style="text-align: center;">4,165.00 5,622.00 1,455.00 4,167.00</td> </tr> <tr> <td colspan="16" style="text-align: center;">4,165.00 5,622.00 1,455.00 4,167.00</td> </tr> <tr> <td colspan="16" style="text-align: center;">4,165.00 5,622.00 1,455.00 4,167.00</td> </tr> </table>																0.00 0.00 0.00 0.00																4,564,550.00 1,614,941.36 1,371,040.00 1,614,941.36																4,165.00 5,622.00 1,455.00 4,167.00																4,165.00 5,622.00 1,455.00 4,167.00																4,165.00 5,622.00 1,455.00 4,167.00																		
0.00 0.00 0.00 0.00																																																																																																		
4,564,550.00 1,614,941.36 1,371,040.00 1,614,941.36																																																																																																		
4,165.00 5,622.00 1,455.00 4,167.00																																																																																																		
4,165.00 5,622.00 1,455.00 4,167.00																																																																																																		
4,165.00 5,622.00 1,455.00 4,167.00																																																																																																		
Shared Savings: Lump Sum: Phase Total: Division Total: Job Total: Total:																																																																																																		
There are 7 records in database for this period. Page 1, 1 - 7 displayed, 1 pages 7 records totally.																																																																																																		
<table border="1"> <tr> <td>Billed</td> <td>250.00</td> <td>0.00</td> </tr> <tr> <td>Budgeted</td> <td></td> <td>-75,896.96</td> <td>-68,307.26</td> <td>56,692.74</td> <td>0.00</td> </tr> <tr> <td>Input</td> <td>250.00</td> <td>0.00</td> <td>-75,896.96</td> <td>-68,307.26</td> <td>56,692.74</td> <td>0.00</td> </tr> <tr> <td>Output</td> <td>0.00</td> <td>25,000.00</td> <td>0.00</td> <td>-75,896.96</td> <td>-68,307.26</td> <td>56,692.74</td> <td>0.00</td> </tr> </table>																Billed	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Budgeted																	-75,896.96	-68,307.26	56,692.74	0.00	Input	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-75,896.96	-68,307.26	56,692.74	0.00	Output	0.00	25,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-75,896.96	-68,307.26	56,692.74	0.00
Billed	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																																																																															
Budgeted																	-75,896.96	-68,307.26	56,692.74	0.00																																																																														
Input	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-75,896.96	-68,307.26	56,692.74	0.00																																																																														
Output	0.00	25,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-75,896.96	-68,307.26	56,692.74	0.00																																																																														

Example of footer details at the bottom of the Contract Forecast with PCI Projections screen

Footer details are located at the bottom of the Contract Forecast with PCI Projections screen. The footer details change depending on the active object in the Bill Codes section of the screen. Data refreshes when keying (arrow or tab) from cell to cell.

The [Send To Spreadsheet] button will include these columns in the spreadsheet as well.

NOTE: Footer information is not displayed (will be blanked out) for Labor Forecasting (R) lines from GC Monitor since R lines, which are used for Resource Hours (Human/Equipment), are not forecasted the same as Productivity or Unit lines in CMiC Field's Contract Forecasting.

Contract Forecasting - Revenue Forecast Amount Calculation for Various Billing Types

The revenue forecast amount is calculated according to the billing method assigned to the bill code.

Type	Revenue Forecast
UPHS	The amount is calculated as Projected Output Quantity * Billing Rate.
UNIT	<p>The amount is calculated as Input Spent Quantity * Billing Rate.</p> <p>If the billing code is associated to more than one category, then a conversion is executed to get the total quantity in the WM assigned to the bill code.</p>
COST	<p>If Bill Rates are used:</p> <p><i>Revenue Forecast = [Spent/Committed total + Cost to Complete + Pending CO (including Risk)] * Base Rate Multiplier from the bill rate.</i></p> <p>If Bill Rates are used and the 'Advanced Revenue Calculation' box is checked on the System Options – Forecast tab:</p> <p>With Bill Rate:</p> <p><i>Revenue Forecast = (Project Input Quantity - Billed Input</i></p>

Type	Revenue Forecast
	<p><i>Quantity) * Billing Rate + Actual Revenue Billed</i></p> <p>With Multiplier:</p> <p><i>Revenue Forecast = (Projected Cost including PCIs - Actual Cost) * Bill Rate Multiplier + (CPR of Actual Cost - CPR of Permanently Deferred Transaction)</i></p> <p>If Bill Rates are not used:</p> <p>If Spent/Committed Total is “0”,</p> <p>Then the Projected Bill Budget will be taken as the Revenue Forecast Amount and any overrides to Cost to Complete will not recalculate Revenue Forecast.</p> <p>If Spent/Committed Total is not equal to “0”.</p> <p>Revenue forecast equals percent of completion applied to Calculated Potential Revenue (CPR) (percent of completion equals cost over projected cost).</p> <p><i>Formula = Calculated Potential Revenue (CPR)/ Percent of Completion</i></p> <p>If Calculated Potential Revenue (CPR) = 1875</p> <p>Cost = 750</p> <p>Projected Cost = 10000</p> <p>Revenue Forecast =$1875 / (750/10000) = 25,000$</p>
PC	Amount is calculated as unbilled revenue amount divided by Percentage Complete. The percentage is calculated as spent amount divided by projected amount.
PCV	Projected bill budget amount will be the revenue forecast amount.

Type	Revenue Forecast
PCCO	The projected bill budget amount is taken as revenue amount where there is a Budget Revenue Amount; otherwise, the system will use the COST calculation method.
MILESTONES	The projected bill budget amount is taken as revenue amount.
BURDEN	Calculated based on the percentages that must be applied to the burden bill codes.

NOTE: The PC, PCCO, and PCV in the Type column are all billing types that determine the billing amount during the billing generation in the Prepare Billing screen (JBBILL/JBBILL2) and are based on the Job Billing module's Billing Types definitions. Refer to the Billing Types section in the Job Billing reference guide for more information. The Revenue Forecast column definitions for the various billing types define which value is populated in the forecasting column.

Contract Forecasting - Table of Column Definition

NOTE: For more information about the columns being discussed below, including details on additional columns not covered in the table, please refer to [Bill Codes \(Detail\)](#).

REF#	Column	Description
1.	Current Cost Budget	Current Cost Budget which includes Original Cost Budget, Posted (Internal & Transfer & External) PCI Amounts up to the end of the forecasting period. Also, the internal changes impact the budget only when the Change Management Control File option 'Internal PCIs Update Budget' box is checked (standard Treeview path: Change Management > Local Tables > Control).

REF#	Column	Description
		<p>NOTE: Negative PCIs posted up to the end of forecasting period will also be included in current cost budget.</p>
2.	Spent / Committed Against Base Contract	<p>Without the use of WBS (PCI#) Codes</p> <p>The Spent/Committed Against Base Contract column shows the Spent, Committed or Largest of Spent/Committed (based on 'Projected Final Flag'). Spent/Committed Against Base Contract= Spent(S), Committed(C) or Largest of Spent/Committed (L) (based on Projected Final Flag in JC Budget).</p> <p>With WBS Mapping and use of WBS (PCI#) code in transactions</p> <p>Spent/Committed (In Scope) MINUS (spent/- committed against posted internals PCIs that fall outside the period (i.e. PCIs posted in the future) + spent/committed against un-posted internal PCIs).</p> <p>NOTE: PCIs must be flagged to be included in the forecast. The PCI must be within the period range. The transactions must be within the period range and must be posted.</p>
3.	Spent / Committed Total	<p>Spent/Committed Total = LARGEST OF (ABSOLUTE OF Commitment versus ABSOLUTE OF Spent Against Commitment) + Spent Out Of Commitment up to and including the current forecasting period</p>

REF#	Column	Description
4.	Actual Cost	Current Cost Transactions against the job/phase/cat ('C' Type transactions in JCDETAIL table). Sum of Spent against commitment and spent outside commitment.
5.	Spent / Committed (In Scope)	Spent /Committed amount that is not associated to a PCI PLUS Spent/Committed amount associated to an unposted internal PCI.
6.	% Complete	Calculation for Amount Method: (Actual Cost / Current Cost Budget) x 100 Calculation for Productivity Method: Output Units Complete/Projected Output Units
7.	Pending Internal PCI	Sum of Pending Internal PCI Amount (Un-Posted)
8.	Pending Internal PCI Cost To Complete	Pending Internal / /external/Transfer PCI Amount Minus Spent Cost Against the same. (NOTE: PCI could be negative amounts and the spent cost may also be negative. Attention to be paid to follow correct sign when determining the amounts).
9.	Pending CO	Sum of Un-Posted Pending External/Original Budget PCI Amounts. Sum of cost budget from Pending external PCI.
10.	Pending CO(Includ-	Sum of The Revised Cost Budget Amount after

REF#	Column	Description
	ing Risk)	applying risk to pending internal/external PCI. Sum of Un-Posted Pending Internal/External/Transfer/Original Budget PCI Amounts including PCI Risk Amount applied. The Revised Cost Budget From PCI column Amount from the Pending CO Column pop-up.
11.	Projected Cost Budget	Current Cost Budget + Pending CO (Including Risk)
12.	Spent/Committed (Pending CO)	Spent ÷ Committed against un-posted PCIs
13.	Cost To Complete	<p>The following formula is used for "A" lines when the 'Pending Internal CO will not update Projected Cost Forecast' box is unchecked in the Forecasting tab of the JC Control File, and the 'Internal Change Orders Update Budget' box is checked in the CM Control File:</p> $\text{Cost to Complete} = \text{Projected Cost Forecast} - \text{Pending Internal PCI Cost to Complete} - (\text{Spent} \div \text{Committed (In Scope)})$ <p>The following formula is used for "A" lines when the 'Pending Internal CO will not update Projected Cost Forecast' box is checked in the Forecasting tab of the JC Control File, and the 'Internal Change Orders Update Budget' box is checked in the CM Control File:</p> $\text{Cost to Complete} = \text{Projected Cost Forecast} -$

REF#	Column	Description
		(Spent ÷ Committed (In Scope))
14.	Projected Cost Forecast	If the billing code is not frozen, the value is the largest of (Current Cost Budget + Internal Pending CO) or (Spent ÷ Committed not against Pending CO (In Scope)).
15.	Cost Variance	Difference between Current Cost Budget and the Projected Cost Forecast
16.	Cost To Complete (Pending CO)	Pending PCI Including Risk - Spent ÷ Committed against Pending CO
17.	Projected Cost Forecast (Incl. Pending CO)	Projected Cost Forecast + Pending CO Amounts Cost to Complete + (Spent ÷ Committed Total) + Cost to Complete (Pending CO) Cost to Complete can be calculated as, Cost to Complete = Projected Cost Forecast – (Spent ÷ Committed (In Scope)) or Projected Cost Forecast = Cost to Complete + (Spent ÷ Committed (In Scope)).
18.	Cost Variance (Incl. Pending CO)	Projected Cost Budget – Projected cost Forecast including Pending CO
19.	Current Bill Budget	Current Billing budget which includes the Original Billing budget & Posted PCI Amounts
20.	Pending CO (External)	Sum of billing amount of Pending/Approved (unposted) external PCIs and Transfer PCI
21.	Pending CO	Sum of billing amount of Pending/Approved

REF#	Column	Description
	(External Incl. Risk)	(unposted) external PCIs and Transfer PCI with Risk Applied
22.	Projected Bill Budget	Sum of Current Billing Budget & Pending CO (External Incl. Risk)
23.	Billed To Date	<p>Total Billed Amount up to end of current period.</p> <hr/> <p>NOTE: The Billed to Date column excludes B type transactions entered outside of the Job Billing module.</p> <hr/>
24.	Revenue Forecast	<p>If Bill Rates are used:</p> <p>Revenue Forecast = [Spent/Committed total + Cost to Complete + Pending CO (including Risk)] * Base Rate Multiplier from the bill rate.</p> <p>If Bill Rates are not used:</p> <p>If Spent/Committed Total is “0”,</p> <p>Then the Projected Bill Budget will be taken as the Revenue Forecast Amount and any overrides to Cost to Complete will NOT recalculate Revenue Forecast.</p> <p>If Spent/Committed Total is not equal to “0”.</p> <p>Revenue forecast equals percent of completion applied to Calculated Potential Revenue (CPR) (percent of completion equals cost over projected cost)</p> <p>Formula = Calculated Potential Revenue (CPR)/ Percent of Completion</p>

REF#	Column	Description
		If Calculated Potential Revenue (CPR) = 1875 Cost = 750 Projected Cost = 10000 Revenue Forecast = $1875 / (750/10000) = 25,000$ For complete details on other types, see the table above.
25.	Revenue Variance	Difference between Projected Billing Budget and Adjusted Revenue Forecast amounts.
26.	Adjusted Revenue Forecast	The Revenue Forecast amount unless there is a Max Billing Amount which will override this value where the Forecast amount is greater than the Max amount.
27.	Projected Profit	Adjusted Revenue Forecast minus Projected Cost Forecast Including Pending PCIs.
28.	Pending Spent/Committed	The Pending Commitment amount impacts the following columns: <ul style="list-style-type: none"> • Cost to Complete amount - Decreased by the Pending Commitment amount. • Projected Cost Forecast amount - Increased by the Pending Commitment amount. • Spent/Committed amount - Increased by the Pending Commitment amount.

Contract Forecasting - Color Highlights and Hover Text for Cost to Complete and Cost Forecast Columns

The following color and hover text will appear for the Cost to Complete column, as well as the Projected Cost Forecast column. This is applicable for A method lines.

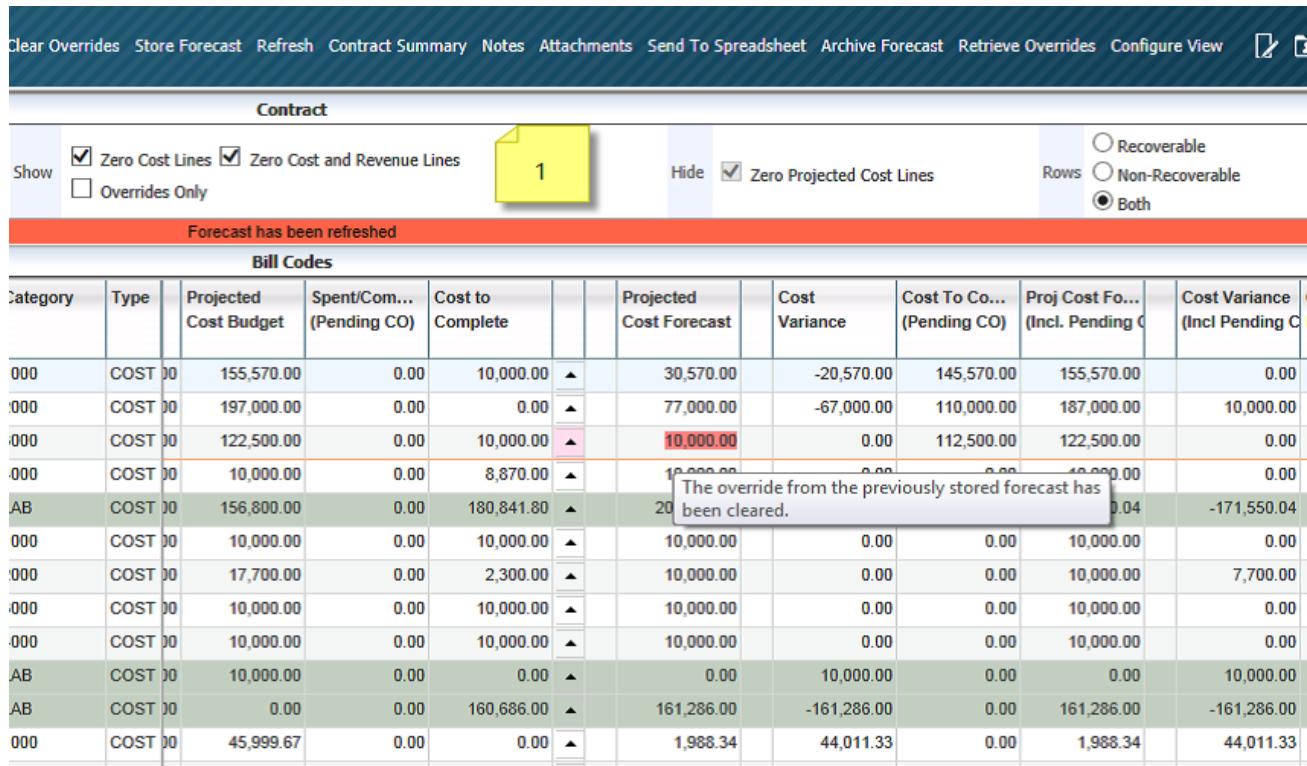
Field	Color	Hover Text
CTC (with details)	Yellow	Cost to complete has detail lines
CTC (with details)	Red	Cost to Complete detail lines are not in sync with the Projected Cost
Projected Cost Forecast	Orange	Spent/Committed exceeds the override from the previous forecast
Projected Cost Forecast (Incl. CO)	Light Green	Spent/Committed exceeds the override from the previous forecast
Projected Cost Forecast	Red	The override from the previous stored forecast has been cleared NOTE: After changes have been made to the spent/committed amounts, the system will clear the overrides if the forecast is refreshed within the same period.
Projected Cost Forecast (Incl. CO)	Red	The override from the previous stored forecast has been cleared NOTE: After changes have been made to the spent/committed

Field	Color	Hover Text
	Red	amounts, the system will clear the overrides if the forecast is refreshed within the same period.
Proj Cost Forecast (Incl. Pending CO)	Yellow	When the Spent/Committed Total (JCCF_ALL_SPENT_COMMITTED_AMT) amount is greater than the Current Budget (Cost) amount and there isn't an override by the user
Proj Cost Forecast (Incl. Pending CO)	Green	When there's a previous period override for the line (jccf_prev_per_ovrd_flg='Y')

Contract Forecasting with PCI Projections - R12

- Projected Forecast Cost column will be colored in red when JccfOvrdAutoClearFlag is 'Y'.

Contract



Clear Overrides Store Forecast Refresh Contract Summary Notes Attachments Send To Spreadsheet Archive Forecast Retrieve Overrides Configure View

Show Zero Cost Lines Zero Cost and Revenue Lines Overrides Only

Hide Zero Projected Cost Lines

Rows Recoverable Non-Recoverable Both

Forecast has been refreshed

Bill Codes

Category	Type	Projected Cost Budget	Spent/Com... (Pending CO)	Cost to Complete		Projected Cost Forecast	Cost Variance	Cost To Co... (Pending CO)	Proj Cost Fo... (Incl. Pending C)	Cost Variance (Incl Pending C)
000	COST	155,570.00	0.00	10,000.00	▲	30,570.00	-20,570.00	145,570.00	155,570.00	0.00
000	COST	197,000.00	0.00	0.00	▲	77,000.00	-67,000.00	110,000.00	187,000.00	10,000.00
000	COST	122,500.00	0.00	10,000.00	▲	10,000.00	0.00	112,500.00	122,500.00	0.00
000	COST	10,000.00	0.00	8,870.00	▲	10,000.00	0.00	10,000.00	10,000.00	0.00
AB	COST	156,800.00	0.00	180,841.80	▲	The override from the previously stored forecast has been cleared.	0.04	0.04	-171,550.04	
000	COST	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0.00	10,000.00	0.00
000	COST	17,700.00	0.00	2,300.00	▲	10,000.00	0.00	0.00	10,000.00	7,700.00
000	COST	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0.00	10,000.00	0.00
000	COST	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0.00	10,000.00	0.00
AB	COST	10,000.00	0.00	0.00	▲	0.00	10,000.00	0.00	0.00	10,000.00
AB	COST	0.00	0.00	160,686.00	▲	161,286.00	-161,286.00	0.00	161,286.00	-161,286.00
000	COST	45,999.67	0.00	0.00	▲	1,988.34	44,011.33	0.00	1,988.34	44,011.33

Contract Forecasting with PCI Projections - R12

2. The auto clear override (JccfOvrdAutoClearFlag) is reset, when user manually overrides the cost to complete or projected cost amount.

Contract

Save Cancel

True Cost Show Zero Cost Lines Zero Cost and Revenue Lines Overrides Only

Hide Zero Projected Cost Lines Rows Recoverable Non-Recoverable Both

2

Forecast has been refreshed

Bill Codes

	Category	Type	Projected Cost Budget	Spent/Com... (Pending CO)	Cost to Complete		Projected Cost Forecast	Cost Variance	Cost To Co... (Pending CO)	Proj Cost Fo... (Incl. Pending C)	Cost Va (Incl Pe
1	1000	COST 00	155,570.00	0.00	10,000.00	▲	30,570.00	-20,570.00	145,570.00	155,570.00	
1	2000	COST 00	197,000.00	0.00	0.00	▲	77,000.00	-67,000.00	110,000.00	187,000.00	10
1	3000	COST 00	122,500.00	0.00	12,750.00	▲ ✓	12,750.00 ✓	-2,750.00	112,500.00	125,250.00 ✓	-2
1	4000	COST 00	10,000.00	0.00	8,870.00	▲	10,000.00	0.00	0.00	10,000.00	
1	LAB	COST 00	156,800.00	0.00	180,841.80	▲	209,600.04	-199,600.04	146,800.00	328,350.04	-171
1	1000	COST 00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0.00	10,000.00	
1	2000	COST 00						0.00	0.00	10,000.00	7
1	3000	COST 00						0.00	0.00	10,000.00	
1	4000	COST 00						0.00	0.00	10,000.00	
1	LAB	COST 00						10,000.00	0.00	0.00	10
1	LAB	COST 00						-161,286.00	0.00	161,286.00	-161
1	1000	COST 00	45,999.67	0.00	0.00	▲	1,988.34	44,011.33	0.00	1,988.34	44
1	1000	COST 00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0.00	10,000.00	
1	2000	COST 00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0.00	10,000.00	

Manually Override CTC or Proj. Cost Forecast clears the JCCFD_OVRD_AUTO_CLEAR_FLAG and resets to 'N'

3. When amounts are overridden (without saving), the red color disappears and the column will be highlighted in yellow, if conditions are fulfilled or no color if otherwise.

Contract

Save Cancel

3

Revenue Cost

Show Zero Cost Lines Zero Cost and Revenue Lines Overrides Only

Hide Zero Projected Cost Lines

Rows Recoverable Non-Recoverable Both

Forecast has been stored

Bill Codes

	Category	Type	Projected Cost Budget	Spent/Com... (Pending CO)	Cost to Complete	Projected Cost Forecast	Cost Variance	Cost To Co... (Pending CO)	Proj Cost Fo... (Incl. Pending C)	Cost Val (Incl Per
Is	1000	COST 00	155,570.00	0.00	0.00	10,000.00	0.00	145,570.00	145,570.00	10,
Is	2000	COST 00	197,000.00	0.00	0.00	77,000.00	-67,000.00	110,000.00	187,000.00	10,
Is	3000	COST 00	122,500.00	0.00	7,777.00	7,777.00	2,223.00	112,500.00	120,277.00	2,
Is	4000	COST 00	10,000.00	0.00	8,870.00	10,000.00	0.00	0.00	10,000.00	
Is	LAB				180,841.80	209,600.04	-199,600.04	146,800.00	328,350.04	-171,
In	1				10,000.00	10,000.00	0.00	0.00	10,000.00	
In	2				2,300.00	10,000.00	0.00	0.00	10,000.00	7,
In	3				10,000.00	10,000.00	0.00	0.00	10,000.00	
In	4				10,000.00	10,000.00	0.00	0.00	10,000.00	

4. The hover messages (in case of red or yellow color) are now moved to properties file and may be changed using the entries as:
 - jccf.projFcastCostAmtRedTitle = The override from the previously stored forecast has been cleared.
 - jccf.projFcastCostAmtYellowTitle = The Cost to Complete override amount must be updated in order to synchronize with the stored Projected Cost Forecast amount.

Message Maintenance

4

Required fields are indicated with a blue triangle (*)

Message Key	Reference Key	Message	User	Project	Program	Select Program	Locale	en	Add	Cancel	Query Mod
jccf.projFcastCostAmtRedTitle		The override from the previously stored forecast has been cleared.						en			
jccf.projFcastCostAmtYellowTitle		The Cost to Complete override amount must be updated in order to synchronize with the stored Projected Cost Forecast amount.						en			

5. Cost to Complete amount highlighted in red when jccf_ctc_popup_match_clac_flg is 'Y'.
6. Enhancement for A-method override behavior when forecast exceeds previous forecast but less than budget.

Contract Forecasting with PCI Projections - R12

For example:

Case:1

Period 2018/1

NO Previous Forecast Exists. For 'A' (Amounts) method lines,

- CTC Detail entries exist, and matches the main screen CTC = **Yellow Highlight**, Override check appears
- CTC Details DO NOT exist, but overridden in the main screen = No highlight, Override check appears

Contract																				
Contract	743M	Year	2018	Status	In Process	Filter	<input checked="" type="radio"/> Cost/Revenue	<input type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines	Show	<input type="checkbox"/> Overrides Only	Hide	<input type="checkbox"/> Zero Projected Cost Lines	Rows	<input type="radio"/> Recoverable	<input type="radio"/> Non-Recoverable	<input checked="" type="radio"/> Both	Go		
Job		Period	1																	
Bill Codes																				
N	Att	Freeze	Contract C...	Bill Code	Job	Phase	Name	Category	Type	Meth...	S...	Standing CO	Pending External PCI Cost To Compl	Pending CO (Incl. Risk)	Projected Cost Budget	Spent/Com... (Pending CO)	Cost to Complete	Projected Cost Forecast	Cost Variance	Cost (Penc)
		<input checked="" type="checkbox"/>	743M	743M.00.1000	743M	00	BIDDING	1000	COST P	N	0.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	
		<input checked="" type="checkbox"/>	743M	743M.00.2000	743M	00	BIDDING	2000	COST U	N	0.00	0.00	0.00	20,000.00	0.00	20,000.00	▲	20,000.00	0.00	
		<input checked="" type="checkbox"/>	743M	743M.00.3000	743M	00	BIDDING	3000	COST A	N	0.00	0.00	0.00	10,000.00	0.00	321.43	▲	321.43	✓	
		<input checked="" type="checkbox"/>	743M	743M.00.4000	743M	00	BIDDING	4000	COST A	N	0.00	10,000.00	0.00	350.00	▲	350.00	✓	350.00	✓	
		<input checked="" type="checkbox"/>	743M	743M.00.5000	743M	00	BIDDING	5000	BPB A	N	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	10,000.00	0.00	
		<input checked="" type="checkbox"/>	743M	743M.00.6000	743M	00	BIDDING	6000	BPC A	N	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	✓	10,000.00	✓	
		<input checked="" type="checkbox"/>	743M	743M.00.9000	743M	00	BIDDING	9000	PCCO A	N	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	10,000.00	0.00	
		<input checked="" type="checkbox"/>	743M	743M.00.9100	743M	00	BIDDING	9100	COST A	N	0.00	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	
		<input checked="" type="checkbox"/>	743M	743M.00.9200	743M	00	BIDDING	9200	COST A	N	0.00	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	
		<input checked="" type="checkbox"/>	743M	743M.00.L	743M	00	BIDDING	L	COST R	N	0.00	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	
		<input checked="" type="checkbox"/>	743M	743M.00.LAB	743M	00	BIDDING	LAB	COST R	N	0.00	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	
		<input checked="" type="checkbox"/>	743M	743M.00.WIP-1	743M	00	BIDDING	WIP-1	COST A	N	0.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	
		<input checked="" type="checkbox"/>	743M	743M.00.WIP-2	743M	00	BIDDING	WIP-2	COST A	N	0.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	
		<input checked="" type="checkbox"/>	743M	743M.00.WIP-3	743M	00	BIDDING	WIP-3	COST A	N	0.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	
		<input checked="" type="checkbox"/>	743M	743M.01-100.1000	743M	01-100	Blue Prints	1000	COST P	N	2,000.00	1,900.00	2,850.00	11,900.00	0.00	10,000.00	▲	10,000.00	0.00	
		<input checked="" type="checkbox"/>	743M	743M.01-100.2000	743M	01-100	Blue Prints	2000	COST U	N	2,000.00	1,900.00	2,850.00	21,900.00	0.00	20,000.00	▲	20,000.00	0.00	
		<input checked="" type="checkbox"/>	743M	743M.01-100.3000	743M	01-100	Blue Prints	3000	COST A	N	1,000.00	950.00	1,900.00	10,950.00	0.00	13,750.00	▲	14,700.00	✓	
		<input checked="" type="checkbox"/>	743M	743M.01-100.4000	743M	01-100	Blue Prints	4000	COST A	N	2,000.00	1,900.00	2,850.00	11,900.00	0.00	12,500.00	▲	13,450.00	✓	
		<input checked="" type="checkbox"/>	743M	743M.01-100.5000	743M	01-100	Blue Prints	5000	BPB A	N	0.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	
		<input checked="" type="checkbox"/>	743M	743M.01-100.6000	743M	01-100	Blue Prints	6000	PC A	N	0.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	
		<input checked="" type="checkbox"/>	743M	743M.01-100.9000	743M	01-100	Blue Prints	9000	PCCO A	N	0.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	
		<input checked="" type="checkbox"/>	743M	743M.01-100.9100	743M	01-100	Blue Prints	9100	COST A	N	0.00	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	

Period 2:

Case:1

Period 2018/2

Previous Forecast Exists, with overrides . For 'A' (Amounts) method lines, the overrides are carried forward

- CTC Detail entries exist, and matches the main screen CTC = **Yellow Highlight**, Override check appears
- CTC Details DO NOT exist, but overridden in the main screen = No highlight, Override check appears

Contract Forecasting with PCI Projections - R12

- CTC Detail entries exist, but overridden amount = Red Highlight, Override Check appears

Contract																			
Contract		743M	Year	2018	Status	In Process	Filter	Cost/Revenue	Projected Cost	Show	Zero Cost Lines	Zero Cost and Revenue Lines	Hide	Zero Projected Cost Lines	Rows	Recoverable	Non-Recoverable	Both	Go
N	Att	Contract C...	Bill Code	Job	Phase	Name	Category	Type	Meth...	S...	Pending External PCI Cost To Compl	Pending CO (Incl. Risk)	Projected Cost Budget	Spent/Com... (Pending CO)	Cost to Complete		Projected Cost Forecast	Cost Variance	Cost To Co... (Pending CO)
		743M	743M.00.1000	743M	00	BIDDING	1000	COST P	N 0	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0	
		743M	743M.00.2000	743M	00	BIDDING	2000	COST U	N 0	0.00	0.00	20,000.00	0.00	20,000.00	▲	20,000.00	0.00	0	
		743M	743M.00.3000	743M	00	BIDDING	3000	COST A	N 0	0.00	0.00	10,000.00	0.00	321.43	▲ ✓	321.43 ✓	9,678.57	0	
		743M	743M.00.4000	743M	00	BIDDING	4000	COST A	N 0	0.00	0.00	10,000.00	0.00	350.00	▲ ✓	350.00	9,650.00	0	
		743M	743M.00.5000	743M	00	BIDDING	5000	BPB A	N 0	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0	
		743M	743M.00.6000	743M	00	BIDDING	6000	BPC A	N 0	0.00	0.00	10,000.00	0.00	10,000.00	▲ ✓	10,000.00	0.00	0	
		743M	743M.00.9000	743M	00	BIDDING	9000	PCCO A	N 0	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0	
		743M	743M.00.9100	743M	00	BIDDING	9100	COST A	N 0	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	0	
		743M	743M.00.9200	743M	00	BIDDING	9200	COST A	N 0	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	0	
		743M	743M.00.L	743M	00	BIDDING	L	COST R	N 0	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	0	
		743M	743M.00.LAB	743M	00	BIDDING	LAB	COST R	N 0	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	0	
		743M	743M.00.WIP-1	743M	00	BIDDING	WIP-1	COST A	N 0	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0	
		743M	743M.00.WIP-2	743M	00	BIDDING	WIP-2	COST A	N 0	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0	
		743M	743M.00.WIP-3	743M	00	BIDDING	WIP-3	COST A	N 0	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0	
		743M	743M.01-100.1000	743M	01-100	Blue Prints	1000	COST P	N 0	2,700.00	3,600.00	12,700.00	0.00	10,000.00	▲	10,000.00	0.00	3,600	
		743M	743M.01-100.2000	743M	01-100	Blue Prints	2000	COST U	N 0	2,700.00	3,600.00	22,700.00	0.00	20,000.00	▲	20,000.00	0.00	3,600	
		743M	743M.01-100.3000	743M	01-100	Blue Prints	3000	COST A	N 0	3,400.00	2,700.00	11,800.00	0.00	14,700.00	▲ ✓	14,700.00 ✓	-4,700.00	4,300	
		743M	743M.01-100.4000	743M	01-100	Blue Prints	4000	COST A	N 0	1,800.00	2,700.00	11,800.00	0.00	12,550.00	▲ ✓	13,450.00 ✓	-3,450.00	2,367	
		743M	743M.01-100.5000	743M	01-100	Blue Prints	5000	BPB A	N 0	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0	
		743M	743M.01-100.6000	743M	01-100	Blue Prints	6000	PC A	N 0	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0	
		743M	743M.01-100.9000	743M	01-100	Blue Prints	9000	PCCO A	N 0	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0	
		743M	743M.01-100.9100	743M	01-100	Blue Prints	9100	COST A	N 0	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	0	
		743M	743M.01-100.9200	743M	01-100	Blue Prints	9200	COST A	N 0	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	0	
		743M	743M.01-100.L	743M	01-100	Blue Prints	L	COST R	N 0	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	0	
		743M	743M.01-100.LAB	743M	01-100	Blue Prints	LAB	COST R	N 0	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	0	
		743M	743M.01-100.WIP-1	743M	01-100	Blue Prints	WIP-1	COST A	N 0	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0	
There are null records in database for this period. Page 1, 1 - 50 displayed, 17pages 840 records totally.																			

7. The Cost to Complete fields on the Contract Forecasting screen are highlighted in yellow when matching details exist for 'A' lines in the Standard Cost Detail pop-up. The Enhanced Cost Detail pop-up also functions this way.

Contract																			
Contract		743M	Year	2018	Status	In Process	Filter	Cost/Revenue	Projected Cost	Show	Zero Cost Lines	Zero Cost and Revenue Lines	Hide	Zero Projected Cost Lines	Rows	Recoverable	Non-Recoverable	Both	Go
N	Att	Contract C...	Bill Code	Job	Phase	Name	Category	Type	Meth...	S...	Pending CO	Pending External PCI Cost To Compl	Pending CO (Incl. Risk)	Projected Cost Budget	Spent/Com... (Pending CO)	Cost to Complete		Projected Cost Forecast	Cost Variance
		743M	743M.00.1000	743M	00	BIDDING	1000	COST P	N 0	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	-11	
		743M	743M.00.2000	743M	00	BIDDING	2000	COST U	N 0	0.00	0.00	20,000.00	0.00	20,000.00	▲	20,000.00	0.00	-20	
		743M	743M.00.3000	743M	00	BIDDING	3000	COST A	N 0	0.00	0.00	20,000.00	0.00	23,377.88	▲ ✓	23,377.88 ✓	-13,3		
		743M	743M.00.4000	743M	00	BIDDING	4000	COST A	N 0	0.00	0.00	20,000.00	0.00	8,447.50	▲ ✓	9,447.50 ✓	5		
		743M	743M.00.5000	743M	00	BIDDING	5000	BPB A	N 0	0.00	0.00	20,000.00	0.00	21,234.77	▲ ✓	21,234.77 ✓	-11,2		
		743M	743M.00.6000	743M	00	BIDDING	6000	BPC A	N 0	0.00	0.00	20,000.00	0.00	56,895.36	▲ ✓	56,895.36 ✓	-46,8		
		743M	743M.00.9000	743M	00	BIDDING	9000	PCCO A	N 0	0.00	0.00	20,000.00	0.00	7,896.55	▲ ✓	-7,896.55 ✓	17,8		
		743M	743M.00.9100	743M	00	BIDDING	9100	COST A	N 0	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	0	
		743M	743M.00.9200	743M	00	BIDDING	9200	COST A	N 0	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	0	
		743M	743M.00.L	743M	00	BIDDING	L	COST R	N 0	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	0	
		743M	743M.00.LAB	743M	00	BIDDING	LAB	COST R	N 0	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	0	
		743M	743M.00.WIP-1	743M	00	BIDDING	WIP-1	COST A	N 0	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0	
		743M	743M.00.WIP-2	743M	00	BIDDING	WIP-2	COST A	N 0	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0	
		743M	743M.00.WIP-3	743M	00	BIDDING	WIP-3	COST A	N 0	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00	0	
		743M	743M.01-100.1000	743M	01-100	Blue Prints	1000	COST P	N 0	3,820.44	3,277.08	4,047.09	16,080.50	0.00	0.00	▲	16,520.00	-3,7	
		743M	743M.01-100.2000	743M	01-100	Blue Prints	2000	COST U	N 0	3,820.44	3,277.08	22,039.09	0.00	20,000.00	▲	20,000.00	0.00	0	
		743M	743M.01-100.3000	743M	01-100	Blue Prints	3000	COST A	N 0	3,820.44	3,277.08	4,047.09	16,080.50	0.00	0.00	▲	16,520.00	-3,7	
		743M	743M.01-100.4000	743M	01-100	Blue Prints	4000	COST A	N 0	2,000.00	1,540.00	2,290.00	11,098.52	0.00	9,558.52	▲	10,308.52	-7	
CTC highlight in yellow when matching details exist in standard CTC pop-up similar to enhanced CTC pop-up (for A lines)																			

8. When the Cost to Complete column is displaying a frozen line with a negative amount, the amount is highlighted in light red.

Contract																					
Contract		743M	Year	2018	Status	In Process	Filter	CostRevenue	Projected Cost	Show	Zero Cost Lines	Zero Cost and Revenue Lines	Hide	Zero Projected Cost Lines	Rows	Recoverable	Non-Recoverable	Both	Go		
N	Att	Freeze Update	Contract ...	Bill Code	Job	Phase	Name	Category	Type	Met...	Shng PCI SatTo Co...	Pending Internal PCI Cost To Co...	Pending CO	Pending External PCI Cost (Incl. Risk)	Projected Cost Budget	Spent/Com... (Pending CO)	Cost to Complete	Projected Cost Forecast			
				743M.00.1000	743M	00	BIDDING	1000	COST	P	N	0.00	0.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	10,1	
				743M.00.2000	743M	00	BIDDING	2000	COST	U	N	0.00	0.00	0.00	0.00	20,000.00	0.00	20,000.00	▲	20,2	
				743M.00.3000	743M	00	BIDDING	3000	COST	A	N	0.00	0.00	0.00	0.00	10,000.00	0.00	12,755.89	▲	12,7	
				743M.00.4000	743M	00	BIDDING	4000	COST	A	N	0.00	0.00	0.00	0.00	10,000.00	0.00	33,208.29	▲	33,2	
				743M.00.5000	743M	00	BIDDING	5000	BPB	A	N	0.00	0.00	0.00	0.00	10,000.00	0.00	-35,698.00	▲	-35,6	
		<input checked="" type="checkbox"/>		743M.00.6000	743M	00	BIDDING	6000	BPC	A	N	0.00	0.00	0.00	0.00	10,000.00	0.00	24,792.00	▲	-16,5	
				743M.00.9000	743M	00	BIDDING	9000	PCC	A	N	0.00	0.00	0.00	0.00	10,000.00	0.00	0.00	▲	10,0	
				743M.00.9100	743M	00	BIDDING	9100	COST	A	N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	▲		
				743M.00.9200	743M	00	BIDDING	9200	COST	A	N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	▲		
				743M.00.L	743M	00	BIDDING	L	COST	R	N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	▲		
				743M.00.LAB	743M	00	BIDDING	LAB	COST	R	N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	▲		
				743M.00.WIP-1	743M	00	BIDDING	WIP-1	COST	A	N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	▲	10,0	
				743M.00.WIP-2	743M	00	BIDDING	WIP-2	COST	A	N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	▲	10,0	
				743M.00.WIP-3	743M	00	BIDDING	WIP-3	COST	A	N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	▲	10,0	
				743M.01-100.1000	743M	01-100	Blue Prints	1000	COST	P	N	4,019.00	1,569.00	3,000.00	2,410.00	2,829.09	22,039.09	0.00	10,000.00	▲	10,0
				743M.01-100.2000	743M	01-100	Blue Prints	2000	COST	U	N	3,200.00	790.00	2,579.56	2,410.00	2,829.09	22,039.09	0.00	20,000.00	▲	20,0

Summary for Conditional Formatting in Cost To Complete (CTC) column:

- Negative CTC: Red Text
- CTC for A Lines Details Exist: Yellow highlight

333,321.43	Q	✓	345,481.43	✓	355,471.43
99,580.0	Cost to Complete has detail lines 8.00				
-45,898.00	Q	▼	-45,096.00	▼	-45,096.00

- CTC Detail Lines are NOT in sync with Projected Cost Forecast and when a line is frozen: Red Highlight

333,321.43	Q	✓	-569,874.00	✓	-569,874.00	✓	669,874.00	669,874.00
3 Cost to Complete detail lines are not in sync with the Projected Cost Forecast								

- CTC is negative and detail lines are NOT in sync with Projected Cost Forecast and when a line is frozen: Red Text and Red highlight

860,486.00	Q	✓	-859,666.00	✓	-859,666.00	✓	959,666.00	959,666.00
3 Cost to Complete detail lines are not in sync with the Projected Cost Forecast								

Contract Forecasting - PCI Projection

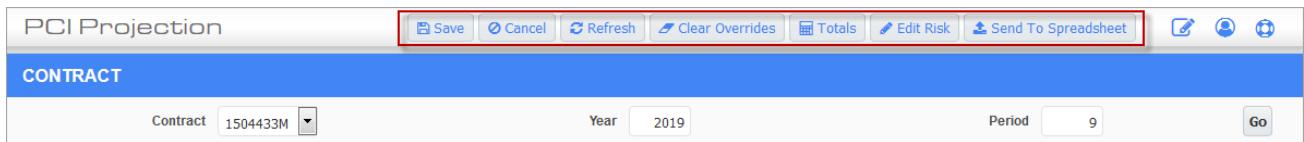
PCI Projection; standard Treeview path: CMiC Field > Budget & Cost Management > PCI Projection

The PCI Projection screen can be accessed from CMiC Field's Treeview as a standalone program or from the Contract Forecasting with PCI Projections screen using the drill-downs on PCIs.

The PCI Projection screen deals with unposted PCIs, on which work may have already commenced and therefore incurred cost and may be subjected to cost and/or revenue risks. It may be important to recognize risks on unposted PCIs at an early stage by projecting and forecasting the amounts accordingly.

This screen allows users to apply risk on cost and revenue budget amounts and project cost and revenue amounts, which in turn will affect the contract forecasting key columns such as Projected Cost Budget, Projected Cost Forecast, Projected Bill Budget, Pending CO (Revenue side), Revenue, and Projected Profit.

Main Toolbar Buttons



The PCI Projections toolbar provides several program-specific functional buttons, as well as standard icons such as the Screen Editor, User Profile, and Help icons.

[Save] – Button

When overrides are entered, the [Save] button stores the PCI projections for the specified period.

[Cancel] – Button

The [Cancel] button cancels any unsaved changes and refreshes the screen with the previously stored values.

[Refresh] – Button

The [Refresh] button refreshes the screen by updating the PCI details according to the current status, by adding new PCIs or removing the existing ones. In either case, the stored overrides on existing lines will be preserved.

[Clear Overrides] – Button

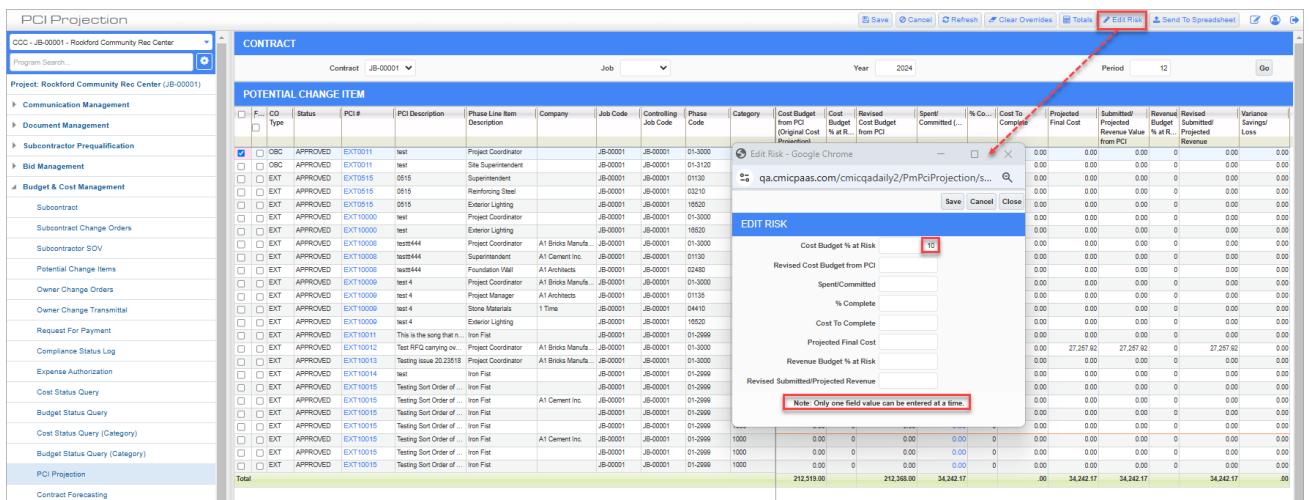
The [Clear Overrides] button will clear all user overrides and refresh to the system-defined values.

[Totals] – Button

The [Totals] button opens a pop-up screen and displays summary totals for each PCI# projected during the period.

Contract Forecasting with PCI Projections - R12

[Edit Risk] – Button



Edit Risk pop-up window launched from [Edit Risk] button on PCI Projection screen

The [Edit Risk] button launches a pop-up window which allows users to enter a value in one of the pop-up window's fields and apply the override to the selected records at once, eliminating the need to apply the override on each PCI detail line. Only one value can be updated and saved at a time.

NOTE: Users must select the records to which the override will apply before clicking on the [Edit Risk] button.

[Send To Spreadsheet] – Button

The [Send to Spreadsheet] button exports the projections in a specific period into a text file.

Users may apply filters to restrict the detailed records and, if so, the export will be limited to only those visible on the screen.

Contract (Header)

The PCI projections are based on year and period specified and affect only the projections stored on a period-by-period basis. This is in synchronization with the Contract Forecast with PCI Projections screen, which is also driven from period to period.

Upon initial entry, the screen will list all the pending PCIs up to the end of the current period.

Only PCIs with statuses flagged as ‘Forecast’ will be allowed in PCI projections. Similarly, once a PCI is posted, upon [Refresh], the PCI will no longer be available for projections.

Contract

The Contract field, by default, displays all the job billing contracts associated with the current project. A controlling job may have many sub-jobs, with some of them having their own billing contracts. The drop-down for this field will list all of those contracts under the controlling job.

Year, Period

The year and period values entered in the Forecasting tab of the Job Costing Control file default in the Year and Period fields on this screen (standard Treeview path: Job Costing > Setup > Local Tables > Control File – Forecasting tab).

If required, enter a valid period. Users should be aware that this is not the calendar period and is bound by the General Ledger module’s period boundaries.

[Go] – Button

Users must press [Go] button to display data when projecting for different periods.

Potential Change Item (Details)

The Potential Change Item section populates all the unposted PCIs along with their detail line items, up to the end of the current projection period.

Select – Checkbox

Use the checkbox beside a line item to select/unselect an individual PCI line item or use the ‘Check All’ checkbox in the column header to select/unselect all PCI line items at once.

Freeze – Checkbox

The freeze function allows storing user overrides and freezing a specific PCI line item, so that either clear overrides or refresh actions do not affect the projections. Users can

use the checkbox in the column header to freeze/unfreeze all PCI line items at once.

This column can be updated, as required.

NOTE: When users override the Cost to Complete column and/or the Projected Final Cost column from the PCI Projection screen, and freeze the line, it holds the override when the Contract Forecast is refreshed. Upon Contract Forecast refresh, those fields remain intact because the ‘Freeze’ box is checked. When the ‘Freeze’ box is checked, upon refresh and clear overrides, all overridden values are on hold.

CO Type

The PCI type, such as external or internal, as defined in Change Management module (standard Treeview path: Change Management > Local Tables > Change Order Types).

Status

The status of the PCI, as defined in Change Management module (standard Treeview path: Change Management > Local Tables > Change Order Status Codes).

PCI#

The PCI# field allows drill-down into PCI entry and further actions such as edit are possible from within the PCI Entry screen.

PCI Description

The PCI header description is displayed.

Phase Line Item Description

The PCI line item description is displayed.

Company

The vendor code associated with a linked subcontract is displayed. If no subcontract linked, then the field will be left as null.

Job Code, Controlling Job Code

The Job Code and the Controlling Job Code columns are hidden by default using field security. Role security for these fields is set to “Hidden” for the “ALL” role. Users must

set these fields to "Read Only" for specific user roles to make the columns visible on the screen. Field security for the columns can be set for user roles as "Hidden" or "Read Only".

Phase Code

The PCI line phase code is displayed.

Category

The PCI line item category code is displayed.

Cost Budget from PCI (Original Cost Projection)

The Cost Budget from the PCI line item is displayed.

Cost Budget % at Risk

Users may enter a cost budget percent at risk as required. The value in this column affects other columns.

This column can be updated, as required. If updated, override checkmarks will appear on corresponding amounts.

A cost budget risk percentage may have defaulted into this field if it was entered on either the Defaults tab of the Company Control screen or the Defaults tab of the Project Maintenance screen when the project was created. Refer to [Company Control](#) for more information.

The risk percentage is defaulted for any PCIs created with status as "Pending". PCIs created with status as "Approved" will have the risk percentage set as zero.

NOTE: When a PCI changes status from "Pending" to "Approved" in a specific period, upon refresh, the risk percentage which may have defaulted or been overridden by users will hold and will not be set as zero.

Revised Cost Budget from PCI

The original PCI cost budget is displayed and when there is an override to the Cost Budget % at Risk column, then the value is calculated as:

Revised Cost Budget from PCI = $(1 - \text{Budget \% at Risk}) \times \text{Cost Budget}$

Spent/Committed

Displays all committed cost and spent cost against the PCI line item detail. There is a drill-down available which displays all committed and spent cost against the PCI line item.

% Complete

The % Complete = $(\text{Spent/Committed} / \text{Revised Cost Budget}) \times 100$.

This column can be updated as required, and any updates affect Cost to Complete, Projected Final Cost, and Variance Savings/Loss columns.

NOTE: A warning will be issued when the value is not within 0 to 100.

Cost to Complete

Cost To Complete = Revised Cost Budget from PCI – Spent/Committed

When % Complete is overridden, then the Cost to Complete is calculated as:

= Spent-Committed $(1 - (1 / \% \text{Complete}))$

This column can be updated, as required.

NOTE: If a value is overridden in the Cost to Complete column on the PCI Projections screen, unless the PCI Projections screen is refreshed before saving, the overrides will be retained in Cost to Complete column on the PCI Projection screen and the changes will be reflected in the Projected Cost Forecast column in the Contract Forecast with PCI Projections screen.

Projected Final Cost

Projected Final Cost = Spent/Committed + Cost to Complete

Overriding Projected Final Cost will back calculate:

Cost To Complete = Projected Final Cost – Spent/Committed

% Complete = $(\text{Spent/Committed} / \text{Projected Final Cost}) \times 100$

This column can be updated, as required.

Submitted Projected Revenue Value from PCI

Billing Budget Amount from PCI Detail Line.

Revenue Budget % at Risk

The default value is "0" and users may override as required.

If updated, override checkmarks will appear on corresponding amounts.

A revenue budget risk percentage may have defaulted into this field if it was entered on either the Defaults tab of the Company Control screen or the Defaults tab of the Project Maintenance screen when the project was created. Refer to [Company Control](#) for more information.

The risk percentage is defaulted for any PCIs created with status as "Pending". PCIs created with status as "Approved" will have the risk percentage set as zero.

NOTE: When a PCI changes status from "Pending" to "Approved" in a specific period, upon refresh, the risk percentage which may have defaulted or been overridden by users will hold and will not be set as zero.

Revised Submitted/Projected Revenue

The column defaults the Submitted Revenue Value, unless there is a Revenue Budget % at Risk entered manually by users.

When risk is applied, it is calculated as:

((Projected Revenue Value from PCI) x (1- Revenue Budget % at Risk))

This column can be updated, as required.

Variance Savings/Loss

This is a display-only field.

Variance = Revised Submitted/Projected Revenue – Projected Final Cost

The variance may go negative when the revenue is less than cost or when there is no billing budget on PCI detail.

Contract Forecasting - PCI Projection (Split Commitments)

PCI Projection (Split Commitments)																			
CONTRACT																			
POTENTIAL CHANGE ITEM																			
F-#	CO Type	Status	PCI #	PCI Description	Phase Line Item Description	Company	Job-Code	Controlling Job Code	Phase Code	Category	Cost Budget from PO (Original Cost Projection)	Cost Budget % at R	Revised Cost Budget from PCI	Spent/Committed %	% Co.	Cost To Complete	Projected Final Cost	Submitted Projected Revenue Value from PCI	
<input type="checkbox"/>	IBC APPROVED	EXT0011	test	Project Coordinator	JB-00001	01-3000	L			5,000.00	0	5,000.00	0.00	0	0.00	0.00	0.00	0.00	
<input type="checkbox"/>	IBC APPROVED	EXT0011	test	Site Superintendent	JB-00001	01-3120	B			-5,000.00	0	-5,000.00	0.00	0	0.00	0.00	0.00	0.00	
<input type="checkbox"/>	EXT APPROVED	EXT0015	0515	Superintendent	JB-00001	01130	L			5,000.00	0	5,000.00	0.00	0	0.00	0.00	0.00	0.00	
<input type="checkbox"/>	EXT APPROVED	EXT0015	0515	Reinforcing Steel	JB-00001	01-3210	M			125,000.00	0	125,000.00	0.00	0	0.00	0.00	0.00	0.00	
<input type="checkbox"/>	EXT APPROVED	EXT0015	0515	Exterior Lighting	JB-00001	16820	M			6,000.00	0	6,000.00	0.00	0	0.00	0.00	0.00	0.00	
<input type="checkbox"/>	INT PREPENDING	EXT000999	test	Project Coordinator	JB-00001	01-3000	B			0.00	0	0.00	0.00	0	0.00	0.00	0.00	0.00	
<input type="checkbox"/>	INT PREPENDING	EXT000999	test	Superintendent	JB-00001	01130	L			0.00	0	0.00	0.00	0	0.00	0.00	0.00	0.00	
<input type="checkbox"/>	EXT APPROVED	EXT10009	test	Project Coordinator	JB-00001	01-3000	B			500.00	0	500.00	0.00	0	0.00	0.00	0.00	0.00	
<input type="checkbox"/>	EXT APPROVED	EXT10009	test	Exterior Lighting	JB-00001	16820	M			25.00	0	25.00	0.00	0	0.00	0.00	0.00	0.00	
<input type="checkbox"/>	EXT APPROVED	EXT10009	test	Project Coordinator	JB-00001	01-3000	B			1,000.00	0	1,000.00	0.00	0	0.00	0.00	0.00	0.00	
<input type="checkbox"/>	EXT APPROVED	EXT10009	test	Superintendent	JB-00001	01130	L			20,000.00	0	20,000.00	0.00	0	0.00	0.00	0.00	0.00	
<input type="checkbox"/>	EXT APPROVED	EXT10009	test	Foundation Ital	JB-00001	03400	DH			800.00	0	800.00	0.00	0	0.00	0.00	0.00	0.00	
<input type="checkbox"/>	EXT APPROVED	EXT10009	test 4	Project Coordinator	JB-00001	01-3000	B			3,000.00	0	3,000.00	0.00	0	0.00	0.00	0.00	0.00	
<input type="checkbox"/>	EXT APPROVED	EXT10009	test 4	Project Manager	JB-00001	01135	L			2,000.00	0	2,000.00	0.00	0	0.00	0.00	0.00	0.00	
<input type="checkbox"/>	EXT APPROVED	EXT10009	test 4	Stone Materials	JB-00001	04410	M			1,000.00	0	1,000.00	0.00	0	0.00	0.00	0.00	0.00	
<input type="checkbox"/>	EXT APPROVED	EXT10009	test 4	Exterior Lighting	JB-00001	16820	M			300.00	0	300.00	0.00	0	0.00	0.00	0.00	0.00	
<input type="checkbox"/>	EXT APPROVED	EXT10011	This is the song that n...	Iron Flat	JB-00001	01-2999	1000			0.00	0	0.00	0.00	0	0.00	0.00	0.00	0.00	
<input type="checkbox"/>	EXT APPROVED	EXT10012	Test RFQ carrying ov...	Project Coordinator	A1 Bricks Manufa...	JB-00001	01-3000	B		25,368.00	0	25,368.00	27,257.92	100	0.00	27,257.92	27,257.92	0	27,257.92
<input type="checkbox"/>	EXT APPROVED	EXT10012	Testing issue 20-23518	Project Coordinator	A1 Bricks Manufa...	JB-00001	01-3000	B		20,340.00	0	20,340.00	0.00	0	0.00	0.00	0.00	0	0.00
<input type="checkbox"/>	EXT APPROVED	EXT10014	test	Iron Flat	JB-00001	01-2999	1000			0.00	0	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00
<input type="checkbox"/>	EXT APPROVED	EXT10015	Testing Sort Order of ...	Iron Flat	JB-00001	01-2999	1000			1000.00	0	1000.00	0.00	0	0.00	0.00	0.00	0.00	0.00
<input type="checkbox"/>	EXT APPROVED	EXT10015	Testing Sort Order of ...	Iron Flat	JB-00001	01-2999	1000			1000.00	0	1000.00	0.00	0	0.00	0.00	0.00	0.00	0.00
<input type="checkbox"/>	EXT APPROVED	EXT10015	Testing Sort Order of ...	Iron Flat	JB-00001	01-2999	1000			1000.00	0	1000.00	0.00	0	0.00	0.00	0.00	0.00	0.00
<input type="checkbox"/>	EXT APPROVED	EXT10015	Testing Sort Order of ...	Iron Flat	JB-00001	01-2999	1000			0.00	0	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00
Total										337,519.00		337,368.00	34,242.17	.00	34,242.17	34,242.17	34,242.17	.00	

PCI Projection (Split Commitments); Standard Treeview path: CMiC Field > Budget & Cost Management > PCI Projection (Split Commitments)

The PCI Projection screen, whether it's the split commitment contract forecasting or PCI projection regular contract forecasting, is a way for users to forecast their PCIs. For example, in situations where you are unsure if you will get the full revenue amount or full cost amount for a PCI, you can discount/assign a risk % to the PCI cost and revenue amount. This happens because when you have a pending PCI, it's not posted, so there may be some dispute with the owner of the project and they may not pay for the full amount of the PCI so you can anticipate this by reducing the cost and revenue amount of the PCI. If the PCI is discounted/assigned risk, there are columns in Contract Forecasting that will update and show you the discounted PCI amount.

This page is intentionally left blank.

Contract Forecasting - Contract Forecast (Split Commitments)

Contract Forecast (Split Commitments); Standard Treeview path: CMiC Field > Budget & Cost Management > Contract Forecast (Split Commitments)

This screen has been developed with a similar look and feel to the existing Contract Forecasting with PCI Projections screen, but has additional columns and new calculations for existing columns.

Additional Columns

By default, the following columns are hidden but can be made visible using the screen's [Configure View] button. Field security can be added to the columns as required.

SC and PO Commitments

The SC and PO Commitments column (JCCF_TOTAL_SCPO_COMM_AMT) is a read-only column which shows the total amount for pending and posted subcontracts and

purchase orders. The column will not show any subcontract change orders.

Pending SC/PO

This column displays all pending subcontracts and purchase orders. It does not include pending subcontract change orders. The column will use the creation date to determine which fiscal period in which the subcontract or PO will be displayed.

Pending SCOs

The Pending SCOs column (JCCF_PEND_SCCHG_COMM_AMT) displays the total amount of pending subcontract change orders. Pending change orders do not have a post date so the forecast will display pending SCOs based on the creation date of the SCO.

If the forecast is in period 5 (May) and the pending SCO is created in period 8 (August), then the amount will not be displayed in the forecast. If the pending SCO is created in period 4 (April), then the forecast will display the amount.

Posted SCO

The Posted SCO (JCCF_POSTD_SCCHG_COMM_AMT) column will display the total amount for all posted subcontract change orders.

Uncommitted Cost

The Uncommitted Cost column (JCCF_PEND_UNCOMM_COST_AMT) is automatically calculated, but also supports overrides for certain cost codes and categories. Cost codes and categories marked with "GC" in the Phase Type column for Assign Cost Codes do not calculate an uncommitted amount nor do they support overrides. Uncommitted amount for GC phase type will be 0.00.

This column will display 0.00 if the amount is calculated as a negative amount.

NOTE: The column will support a negative amount only if manually entered by the user.

Cost codes and categories not marked as "GC" in the Phase Type column will be calculated as below.

Uncommitted Cost = Budget – Posted Commitments – Pending Commitments.

Commitments will include Posted and Pending SC, Posted and Pending PO, Posted SCO, and Pending SCO.

Overrides will impact Cost at Completion, Projected Cost at Completion, and Projected Profit columns for non-GC lines.

Deductive change orders cannot increase the Uncommitted Cost column above 0. This applies to Approved SCOs (JCCF_POSTD_SCCHG_COMM_AMT) and Pending SCOs (JCCF_PEND_SCCHG_COMM_AMT).

The calculation does not apply if the Budget/Current Budget is negative and Original Contracts/POs is negative.

There is no pop-up for this column.

Spent Outside of Commitment

The Spent Outside of Commitment column (JCCF_NINV_COMM_AMT) is a pre-existing column. It refers to any costs (JC transactions, costs posted against PCIs) posted to the job, but does not include the costs posted against commitments.

A drill-down is available on this column.

Pending EXT & INT PCIs

The screenshot shows the 'Contract Forecast [Split Commitments]' screen. On the left, there's a sidebar with various links like Expense Authorization, Cost Status Query, and Budget Status Query. The main area has tabs for 'CONTRACT' and 'BILL CODES (FILTERED)'. In the 'CONTRACT' tab, there's a table with columns for CO, Pending EXT and INT PCIs, Uncommitted..., Total Cost to Complete, Original Bill Budget Amount, and Current. A red arrow points to the 'Pending EXT and INT PCIs' column for one of the rows. Below this, there's a 'POTENTIAL CHANGE ITEM' table with several rows of data. At the bottom, there's a summary table for Budgeted, Completed, Remaining, Projected, WM, NA Committed, and NA Comm. Remaining.

PCI Project pop-up window launched from the Pending EXT and INT PCIs column

The Pending EXT and INT PCIs column (JCCF_INT_EXT_PENDING_CO_AMT) displays both Pending Internal PCI and Pending External PCI columns into a single column. Clicking on the hyperlink amount opens the [PCI Projection](#) screen and displays both pending external and pending internal PCIs for the selected bill code.

Controlling Cost Code

The Controlling Cost Code column (JCCF_PHS_CTRL_CODE) is used to display sub-totals by controlling code.

Cost to Date (Actual Cost)

The Cost to Date column is an existing column (JCCF_COST_AMT) which has a drill-down available.

New Calculations for Existing Columns

Projected Cost at Completion

Modified the calculation for this field (JCCF_COST_FCST_INCL_PCI_AMT).

= Posted Commitments + Pending Commitments + Uncommitted Cost + Spent Outside of Commitment

For cost codes and categories not marked as "GC" in the Phase Type column, overrides will update the Uncommitted Cost column.

For non-GC lines, allowed the Projected Cost at Completion column (JCCF_COST_FCST_INCL_PCI_AMT) to be less than Cost to Date (JCCF_COST_AMT) by overriding either the Cost to Complete or Cost At Completion to a negative amount (or any amount less than Cost To Date). The related columns, Uncommitted, and Profit should also update using their existing formulas.

Phase Type

For lines marked "GC" in the Phase Type column, hold the override of both cost to complete and projected cost forecast when **[Refresh]** button is clicked.

This page is intentionally left blank.

Contract Forecasting - Time Phased Budgeting

Time phased budgeting maintains subdivided budgeted, actual spent, and forecasted values over specified periods applicable to the job phase lifetime. A period is identified as a regular interval of time, like a calendar month, calendar year, etc.

This option allows discrepancies between budgeted/forecast and actual spent/revenue amounts to become more apparent sooner rather than at the end of the job cycle, hence making forecasting more accurate. For more in-depth details, refer to the Job Costing reference guide.

NOTE: The Time Phased Forecasting is applicable to CMiC Field (PMJSP) Contract Forecasting with PCI Projections, only when using 'Detailed Time Phased Budgeting' at the category level.

Spread Rules and PCIs Posting

PCIs may be manually time phased between the PCIs start and end dates. Then upon posting, time phased PCIs affect the corresponding time phased budget for the periods covered by the PCIs date range. However, it may also occur that only the PCIs start/end dates and a PCI value are specified without any time phasing. In that case, the PCI value is automatically time phased using a virtual flat spread rule with 2 segments each with a y-value of 1, prior to affecting the corresponding time phased budget.

If only the PCI value is specified without time phasing, and without the PCI start/end dates, then the following assumptions are made about the PCI start/end dates:

- The PCI start date becomes the greatest of the time phased budget minimum start date and the PCI reference date.

- The PCI end date becomes the time phased budget maximum end date.
- If the time phased budget minimum/maximum start/end dates are not available, then the PCI start/end dates become the PCI reference date, which is always specified.

Posting Considerations with Time Phase Budgeting

Cost Transactions

Costs are incurred at a point in time. In relation to time phased budgeting, actual spent values are posted into the period in which the post date is found. Also, the posted cost applies for the whole period. If the period did not exist in the budget, it is created.

Forecast Impacts

The posting of costs should not normally affect projections. However, because of the rule (Slide Projection Rule) that projections at the jcjobcat level can never be less than the jcjobcat level spent value, posting of costs may be automatically increased/-decreased by the jcjobcat level projections by a value called “sliding value”. When the sliding value is not zero, the time phased forecast value is also increased/decreased by the same sliding value for the period of the post date.

PCI Transactions

PCIs occur over a date range. When time phased PCIs are posted, the corresponding time phased budget values are increased/decreased by the PCI values for each budget period corresponding to the PCI periods. If the budget periods do not exist, they are created. If there is a discrepancy between the cmdetail value and the sum of time phased PCI values, the time phased PCI is automatically synchronized (using PRO-RATA method) with the cmdetail value first.

Forecast Impacts with PCIs

The posting of time phased PCIs affect time phased forecast values in the same way as time phased budget values, but only if the flag ‘Update Project Amount during Posting’ is checked. Otherwise, posting of PCIs should have no effect on the time phased forecast values.

This page is intentionally left blank.

Contract Forecasting - WBS Functionality & Contract Forecasting

Work Breakdown Structure (WBS)

The Work Breakdown Structure (WBS) codes provide a supplementary method to effectively track and summarize costs on a transaction to transaction basis. The type of breakdown is dependent on the costing structure of the job and can be tailored to the specific requirements of the company. The WBS codes are user-defined and may be assigned with the system-defined field named “PCI#”.

The WBS functionality with PCI# allows users to specify the Potential Change Item # when transactions are entered and upon posting, the transaction detail records are associated with specific PCI#s allowing the users to track the costs. Similarly, when Request for Payments (RFPs) are posted, the PCI# linked to the subcontract will be used as a WBS value and posted to the transaction details table.

Forecasting based on the billing contracts with WBS mapping with PCI functionality allows forecasting with PCI projections showing specific bill codes with PCI# and tracking all committed, spent costs and billings.

The use of WBS functionality in contract forecasting may be classified in two categories:

- Jobs with WBS mapping and using transactions with PCI# as the WBS code.
- Jobs with standard mapping and using WBS code (PCI#) for transactions.

What are the differences with these two methods?

Standard Mapping	WBS Mapping
The number of bill codes are limited to the job/phase/category structure.	The number of bill codes may increase with every PCI whether posted or unposted, and when there exists posted cost transactions, will get added to the contract code. If the PCI is unposted but has posted cost transactions, the user will need to add the associated bill code manually by using the "Add New Bill Codes" option on the billing contract.
A single bill code may have many PCIs underlying and each of those PCIs may have their own cost transactions posted against the same.	A single PCI bill code will have only one PCI number and the cost transactions associated with the PCI.
Grouping of PCIs and the posted commitments and transactions for the purpose of billing is NOT possible.	The mapping code may have a group code set as WBS code and allows grouping by WBS code for the purpose of billing.

Setting Up WBS Codes

WBS codes are maintained on the WBS Codes screen in the Job Costing module.

Code	Name	User Defined Field	Required	Editable
PCI	Change Orders	PCI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AREA	Area Company	AREA_COMP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TYPE	Construction Type	CONST_TYPE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FREEFORM	FREEFORM		<input type="checkbox"/>	<input type="checkbox"/>

Pgm: JCWBSFM – WBS Codes; standard Treeview path: Job Costing > Setup > Local Tables > WBS Fields > WBS Codes

A maximum of four WBS codes can be set up in the system. For more details on setting up WBS codes, refer to the Job Costing guide.

When setting up a WBS code for the purpose of PCIs, billing, and forecasting, set up a WBS code and use the system-defined field called “PCI#”.

NOTE: Users must be using the system-defined value for the user-defined field, in order for this functionality to work.

Setting Up WBS Bill Code Mapping

The WBS mapping may be defined as shown in the example below.

Contract Forecasting with PCI Projections - R12

MAINTAIN BILL CODE MAPPINGS

Mapping									
<input type="checkbox"/> Search <input type="button"/> Insert <input type="button"/> Delete <input type="button"/> Previous <input type="button"/> Next <input type="button"/> Workflows <input type="button"/> Report Options <input type="button"/> ECM Documents <input type="button"/> User Extensions									
<input type="checkbox"/> Map Code <input type="text" value="WBS1"/>		<input type="checkbox"/> Map Code Name <input type="text" value="WBS1 Code Performance Obligation"/>			<input checked="" type="checkbox"/> * Active				
WBS1 Performance Obligation Description									
<input type="button"/> Bill Code <input type="button"/> Group Code 1 <input type="button"/> Group Code 2 <input type="button"/> Group Code 3 <input type="button"/> Group Code 4 <input type="button"/> Group Code 5 <input type="button"/> Performance Obligations									
<input type="button"/> View <input type="button"/> Freeze <input type="button"/> Detach <input type="button"/> Search <input type="button"/> Insert <input type="button"/> Insert Multiple <input type="button"/> Delete <input type="button"/> Workflows <input type="button"/> Report Options <input type="button"/> Export <input type="button"/> ECM Documents <input type="button"/> User Extensions									
Source	Source Code	Description	Start	Length	Terminator	Symbol	Name Code	Description	
Source 1	LOW_JOB	Lowest Level Job	1	10	.	(Period)	PCN	Cost Code Name - Category Name	
Source 2	LOW_PHS	Lowest Level Cost Code	1	7	.	(Period)			
Source 3	LOW_CAT	Lowest Level Category	1	6	.	(Period)			
Source 4	WBS1	WBS 1	1	10	.	(Period)			

Pgm: JBMAPJC – Maintain Bill Code Mappings; standard Treeview path: Job Billing > Setup > Local Tables > Mapping from J/C – Bill Code tab

The bill code source can be a WBS code and the system allows a maximum of four WBS codes to be assigned.

In the example above, only one WBS code exists and it is assigned to the source 4. Using three more WBS codes is allowed but would restrict the length of the bill code to a maximum of 32 only.

Billing Contract with WBS Mapping

The screenshot shows the 'Job Setup' interface for 'JCJOB.FM'. The 'Job Detail' tab is selected. In the 'Job Billing' section, the 'JB Map Code' field is set to 'WBS1', which is highlighted with a red box. Other fields visible include 'Default Billing Type' (COST), 'Default Invoice Format' (CCC1), 'Billing Rate Table' (2018-STD), 'Retainage Code' (CCC-STD), and various construction value and cost code fields.

Pgm: JCJOB.FM – Job Setup; standard Treeview path: Job Costing > Job > Enter Job – Job Billing tab

The mapping code specifically configured for WBS mapping with PCI must be assigned to the job as shown in the screenshot above.

The Contract Entry screen, when creating bill codes for the contract, creates the bill codes with a separator at the end as “.” as per the bill code mapping setup.

These bill codes are generic bill codes that will be used when generating billing using the costs posted to the job/phase/category in a normal course.

When there exists a PCI for a phase/category, and when creating cost transactions against the phase/category, users may select the PCI# for the WBS 1 column which would create JC Detail transactions with the reference to PCI# in WBS 1 field. This allows the grouping during billing by the WBS code as well when the group code is set as WBS code.

The Contract Forecasting with PCI Projections screen will be able to recognize the cost transactions against the PCI and display them under the Spent/Committed Pending CO column.

Contract Forecasting with PCI Projections - R12

But users must be aware that they must manually add new bill codes in the Contract Entry screen to see those transactions in the Contract Forecast with PCI Projections screen as shown below.

CONTRACT ENTRY

Enter A Billing Code

CREATE CONTRACT

* Company ZZ CMIC Test Company [JB - Assign Billing Codes to a Contract] [JB - Assign Billing Codes to Cost Phase/Categories] [JB - Billing Rates]

Use Sub-Contract Vendor on New Bill Lines Show Closed Contracts Show NR Bill Codes

CONTRACT INFORMATION

Billing Items Defaults Rounding Methods Address Description Officials Surcharges Risk Management Separate Billing Information Mapping Groups

Job WBS1 WBS1 - WBS Mapping
* Contract WBS1 * Contract Currency
* Customer ZZ-WMT Wal-Mart Stores Inc
Budg. Billing Amt * Time Phased Exclude Non-Inv Receipts
Max Billing Amt
Bid Date * Contract Date 30-Apr-2018
Approved Date 30-Apr-2018 Closed Date Spread Rule
Start Date End Date Rate Code ZZ-STD
Create Contract Details Bill Rates Add New Bill Codes Reset All Bill Code Budgets Default Compliance Codes Invoice Preview

Billing Codes Group 1 Group 2 Group 3 Group 4 Group 5

Billing Code	* Type	Description	Budg. Billing Amt	Curr \$	Budg. Qty.	WM	Billing Rate	Max Billing Amt	Max Qty	% of Constr.	Construction Value	Group 1
WBS1.01-100.1000	COST	Blue Prints - Labor	15,000.00		150.000	HR	100.0000					
WBS1.01-100.2000	COST	Blue Prints - Subcontract	22,000.00		0.000	NA						
I.2000.EXT0001	COST	Blue Prints - Subcontract	0.00		0.000	NA	107.5000					
WBS1.01-100.3000	COST	Blue Prints - Equipment	25,000.00		0.000	NA						
WBS1.01-100.4000	COST	Blue Prints - Materials	32,000.00		0.000	NA						
			777,725.00									

Pgm: JBCONT - Contract Entry; standard Treeview path: Job Billing > Contracts > Enter Contract

The Contract Forecast with PCI Projections screen, upon refresh, will show the newly added bill codes and any posted transactions against the PCI.

The Contract Forecast with PCI Projections screen is automatically refreshed when users override the values of columns or update the PCI amounts by drilling down to the PCI Projection pop-up screen, editing and saving the PCI in the PCI pop-up screen, closing the PCI pop-up screen, and refreshing and closing the PCI Projection pop-up screen (i.e. System automatically refreshes the Contract Forecasting with PCI Projections screen and brings the changes made in the PCI pop-up). This happens only when users drill down to PCI from Contract Forecasting with PCI Projections screen.

The example shown so far is only on unposted PCIs with cost transactions entered by users by manually selecting the PCI# in WBS code column.

Contract Forecasting with PCI Projections - R12

But users may also create subcontracts linked to the unposted PCIs which upon creation and posting of the request for payment would automatically insert the PCI# in JC Detail table.

Here again, users must manually add new bill codes in the Contract Entry screen.

Once the PCIs are posted, the Current Cost Budget column is updated and reflects this update in the Cost to Complete column and the Projected Cost Forecast column.

Contract													
Contract	WBS3	Job	2015	Period	3	Filter	<input checked="" type="radio"/> Cost/Revenue <input type="radio"/> Projected Cost	Show	<input type="checkbox"/> Zero Cost Lines <input checked="" type="checkbox"/> Zero Cost and Revenue Lines	Hide	<input checked="" type="checkbox"/> Zero Projected Cost Lines	Rows <input type="radio"/> Recoverable <input type="radio"/> Non-Recoverable <input checked="" type="radio"/> Both	
Bill Codes													
Time Phased	Freeze Update	Bill Code	Contract Code	Job	Phase	Name	Category	Phase Type	Ending CO incl. Risk	Projected Cost Budget	Spent/Committed (Pending CO)	Cost to Complete	
		WBS3.02-100.1000.	WBS3	WBS3	02-100	Structural Demolit...	1000		0.00	105,000.00	0.00	105,000.00	
		WBS3.02-100.1000.COE0000003	WBS3	WBS3	02-100	Structural Demolit...	1000		7,500.00	7,500.00	750.00	0.00	
		WBS3.02-100.1000.COE0000004	WBS3	WBS3	02-100	Structural Demolit...	1000		10,000.00	10,000.00	1,500.00	0.00	
		WBS3.02-100.2000.	WBS3	WBS3	02-100	Structural Demolit...	2000		0.00	105,000.00	0.00	105,000.00	
		WBS3.02-100.3000.	WBS3	WBS3	02-100	Structural Demolit...	3000		0.00	105,000.00	0.00	0.00	
⌚		WBS3.02-100.4000.	WBS3	WBS3	02-100	Structural Demolit...	4000		0.00	100,000.00	0.00	100,000.00	
⌚		WBS3.02-100.5000.	WBS3	WBS3	02-100	Structural Demolit...	5000		0.00	100,000.00	0.00	100,000.00	
		WBS3.02-100.CFB.	WBS3	WBS3	02-100	Structural Demolit...	CFB		0.00	100,000.00	0.00	0.00	
		WBS3.02-100.NR.	WBS3	WBS3	02-100	Structural Demolit...	NR		0.00	25,000.00	0.00	25,000.00	
		WBS3.03-100.1000.	WBS3	WBS3	03-100	Structural Concrete	1000		0.00	100,000.00	0.00	100,000.00	
		WBS3.03-100.2000.	WBS3	WBS3	03-100	Structural Concrete	2000		0.00	100,000.00	0.00	0.00	
		WBS3.03-100.3000.	WBS3	WBS3	03-100	Structural Concrete	3000		0.00	100,000.00	0.00	100,000.00	
⌚		WBS3.03-100.4000.	WBS3	WBS3	03-100	Structural Concrete	4000		0.00	100,000.00	0.00	100,000.00	
⌚		WBS3.03-100.5000.	WBS3	WBS3	03-100	Structural Concrete	5000		0.00	100,000.00	0.00	100,000.00	
⌚		WBS3.03-100.5000.COE0000001	WBS3	WBS3	03-100	Structural Concrete	5000		7,500.00	7,500.00	400.00	0.00	
⌚		WBS3.03-100.5000.COE0000002	WBS3	WBS3	03-100	Structural Concrete	5000		9,750.00	9,750.00	600.00	0.00	
		WBS3.03-100.CFB.	WBS3	WBS3	03-100	Structural Concrete	CFB		0.00	100,000.00	0.00	0.00	
		WBS3.03-100.NR.	WBS3	WBS3	03-100	Structural Concrete	NR		0.00	25,000.00	0.00	25,000.00	
		Totals:								34,750.00	1,299,750.00	3,250.00	860,000.00

The screenshot above shows the bill codes added to the contract with PCI# extension and the costs posted against those unposted PCIs are displayed under the Spent/Committed (Pending CO) column.

Contract Forecasting with PCI Projections - R12

Contract																				
Contract	WBS3	Job	▼	Year	2015	Period	3	Filter	<input checked="" type="radio"/> Cost/Revenue	<input type="radio"/> Projected Cost	Show	<input type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines	Hide	<input checked="" type="checkbox"/> Zero Projected Cost Lines	Rows	<input type="radio"/> Recoverable	<input type="radio"/> Non-Recoverable	<input checked="" type="radio"/> Both	Go
Forecast has been refreshed																				
Bill Codes																				
Time Phased		Freeze Update	Bill Code	Contract Code	Job	Phase	Name	Category	Phase Type	Pending CO (Incl. Risk)	Projected Cost Budget	Spent/Committed (Pending CO)	Cost to Complete		Projected Cost Forecast					
			WBS3.02-100 1000.	WBS3	WBS3	02-100	Structural Demolit...	1000		0.00	105,000.00	0.00	105,000.00	▲	105,000.00					
			WBS3.02-100 1000.COE00000003	WBS3	WBS3	02-100	Structural Demolit...	1000		0.00	7,500.00	0.00	6,750.00	▲	7,500.00					
			WBS3.02-100 1000.COE00000004	WBS3	WBS3	02-100	Structural Demolit...	1000		10,000.00	10,000.00	1,500.00	0.00	▲	0.00					
			WBS3.02-100 2000.	WBS3	WBS3	02-100	Structural Demolit...	2000		0.00	105,000.00	0.00	105,000.00	▲	105,000.00					
			WBS3.02-100 3000.	WBS3	WBS3	02-100	Structural Demolit...	3000		0.00	105,000.00	0.00	0.00	▲	0.00					
●			WBS3.02-100 4000.	WBS3	WBS3	02-100	Structural Demolit...	4000		0.00	100,000.00	0.00	100,000.00	▲	100,000.00					
●			WBS3.02-100 5000.	WBS3	WBS3	02-100	Structural Demolit...	5000		0.00	100,000.00	0.00	100,000.00	▲	100,000.00					
			WBS3.02-100 CFB.	WBS3	WBS3	02-100	Structural Demolit...	CFB		0.00	100,000.00	0.00	0.00	▲	0.00					
			WBS3.02-100 NR.	WBS3	WBS3	02-100	Structural Demolit...	NR		0.00	25,000.00	0.00	25,000.00	▲	25,000.00					
			WBS3.03-100 1000.	WBS3	WBS3	03-100	Structural Concrete	1000		0.00	100,000.00	0.00	100,000.00	▲	100,000.00					
			WBS3.03-100 2000.	WBS3	WBS3	03-100	Structural Concrete	2000		0.00	100,000.00	0.00	0.00	▲	0.00					

The screenshot above shows the posted PCI amounts updated the Current Cost Budget, Projected Cost Budget and moved the amount from the Spent/Committed (Pending CO) column appropriately and effectively updating the Cost to Complete column as well.

Contract																				
Contract	WBS3	Job	▼	Year	2015	Period	3	Filter	<input checked="" type="radio"/> Cost/Revenue	<input type="radio"/> Projected Cost	Show	<input type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines	Hide	<input checked="" type="checkbox"/> Zero Projected Cost Lines	Rows	<input type="radio"/> Recoverable	<input type="radio"/> Non-Recoverable	<input checked="" type="radio"/> Both	Go
Forecast has been refreshed																				
Bill Codes																				
Bill Code		Phase	Name	Category	Phase Type	Type	Method	Current Cost Budget	Spent/Committed Against Base Contract	Spent/Committed Total	Actual Cost	Spent/Committed (In Scope)	Complete %	Pending Internal PCI	Pend Intern Cost					
WBS3.02-100 1000	WBS3	WBS3	02-100	Structural Demolit...	1000	COST	A	105,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
WBS3.02-100 1000.COE00000003	WBS3	WBS3	02-100	Structural Demolit...	1000	COST	A	7,500.00	750.00	750.00	750.00	750.00	10.00	0.00	0.00					
WBS3.02-100 1000.COE00000004	WBS3	WBS3	02-100	Structural Demolit...	1000	COST	A	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00					
WBS3.02-100 2000.	WBS3	WBS3	02-100	Structural Demolit...	2000	COST	P	105,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
WBS3.02-100 3000.	WBS3	WBS3	02-100	Structural Demolit...	3000	COST	U	105,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
WBS3.02-100 4000.	WBS3	WBS3	02-100	Structural Demolit...	4000	COST	A	100,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
WBS3.02-100 5000.	WBS3	WBS3	02-100	Structural Demolit...	5000	COST	A	100,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
WBS3.02-100 CFB.	WBS3	WBS3	02-100	Structural Demolit...	CFB	COST	L	100,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
WBS3.02-100 NR.	WBS3	WBS3	02-100	Structural Demolit...	NR	NR	A	25,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
WBS3.03-100 1000.	WBS3	WBS3	03-100	Structural Concrete	1000	COST	P	100,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
WBS3.03-100 2000.	WBS3	WBS3	03-100	Structural Concrete	2000	COST	U	100,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
WBS3.03-100 3000.	WBS3	WBS3	03-100	Structural Concrete	3000	COST	P	100,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					

Contract																				
Contract	WBS3	Job	▼	Year	2015	Period	3	Filter	<input checked="" type="radio"/> Cost/Revenue	<input type="radio"/> Projected Cost	Show	<input type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines	Hide	<input checked="" type="checkbox"/> Zero Projected Cost Lines	Rows	<input type="radio"/> Recoverable	<input type="radio"/> Non-Recoverable	<input checked="" type="radio"/> Both	Go
Forecast has been refreshed																				
Bill Codes																				
Time Phased		Freeze Update	Bill Code	Contract Code	Job	Phase	Name	Category	Phase Type	Pending Internal PCI Cost To Complete	Pending CO (Incl. Risk)	Pending CO	Pending CO	Projected Cost Budget	Spent/Committed (Pending CO)	Cost to Complete		Projected Cost Forecast	Cost Variance	
			WBS3.02-100 1000.	WBS3	WBS3	02-100	Structural Demolit...	1000		0.00	0.00	0.00	0.00	105,000.00	0.00	105,000.00	▲	105,000.00		
			WBS3.02-100 1000.COE00000003	WBS3	WBS3	02-100	Structural Demolit...	1000		0.00	0.00	0.00	0.00	7,500.00	0.00	6,750.00	▲	7,500.00		
			WBS3.02-100 1000.COE00000004	WBS3	WBS3	02-100	Structural Demolit...	1000		8,500.00	10,000.00	10,000.00	10,000.00	1,500.00	0.00	0.00	0.00	0.00		
			WBS3.02-100 2000.	WBS3	WBS3	02-100	Structural Demolit...	2000		0.00	0.00	0.00	0.00	105,000.00	0.00	105,000.00	▲	105,000.00		
			WBS3.02-100 3000.	WBS3	WBS3	02-100	Structural Demolit...	3000		0.00	0.00	0.00	0.00	105,000.00	0.00	0.00	0.00	0.00		
●			WBS3.02-100 4000.	WBS3	WBS3	02-100	Structural Demolit...	4000		0.00	0.00	0.00	0.00	100,000.00	0.00	100,000.00	▲	100,000.00		
●			WBS3.02-100 5000.	WBS3	WBS3	02-100	Structural Demolit...	5000		0.00	0.00	0.00	0.00	100,000.00	0.00	100,000.00	▲	100,000.00		
			WBS3.02-100 CFB.	WBS3	WBS3	02-100	Structural Demolit...	CFB		0.00	0.00	0.00	0.00	100,000.00	0.00	0.00	0.00	0.00		
			WBS3.02-100 NR.	WBS3	WBS3	02-100	Structural Demolit...	NR		0.00	0.00	0.00	0.00	25,000.00	0.00	25,000.00	▲	25,000.00		
			WBS3.03-100 1000.	WBS3	WBS3	03-100	Structural Concrete	1000		0.00	0.00	0.00	0.00	100,000.00	0.00	100,000.00	▲	100,000.00		
			WBS3.03-100 2000.	WBS3	WBS3	03-100	Structural Concrete	2000		0.00	0.00	0.00	0.00	100,000.00	0.00	0.00	0.00	0.00		
			WBS3.03-100 3000.	WBS3	WBS3	03-100	Structural Concrete	3000		0.00	0.00	0.00	0.00	100,000.00	0.00	0.00	0.00	0.00		

The above screenshot shows the comparison between an unposted External PCI and a Posted External PCI with both having posted JC transactions.

Contract Forecasting with PCI Projections - R12

Contract																				
Contract	WBS3	Job		Year	2015	Period	3	Filter	<input checked="" type="radio"/> Cost/Revenue	<input type="radio"/> Projected Cost	Show	<input type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines	Hide	<input type="checkbox"/> Zero Projected Cost Lines	Rows	<input type="radio"/> Recoverable	<input type="radio"/> Non-Recoverable	<input checked="" type="radio"/> Both	Go
Forecast has been refreshed.																				
Bill Codes																				
Time Phased	Freeze Update	Bill Code	Contract Code	Job	Phase	Name	Category	Phase Type	Cost To Complete (Incl. Pending CO)	Proj Cost Forecast (Incl. Pending CO)	Cost Variance (Incl Pending CO)	Current Bill Budget	Pending CO...	Pending CO... (Incl. Risk) - €	Projected Bill Budget	Billed To Date				
		WBS3.02-100.1000	WBS3	WBS3	02-100	Structural Demolt..	1000		0.00	105,000.00	0.00	100,000.00	0.00	0.00	100,000.00	0.00				
		WBS3.02-100.1000.COE00000001	WBS3	WBS3	02-100	Structural Demolt..	1000		0.00	7,500.00	0.00	7,500.00	0.00	0.00	7,500.00	0.00				
		WBS3.02-100.1000.COE00000004	WBS3	WBS3	02-100	Structural Demolt..	1000		8,500.00	10,000.00	0.00	0.00	10,000.00	10,000.00	10,000.00	0.00				
		WBS3.02-100.2000	WBS3	WBS3	02-100	Structural Demolt..	2000		0.00	105,000.00	0.00	100,000.00	0.00	0.00	100,000.00	0.00				
		WBS3.02-100.3000	WBS3	WBS3	02-100	Structural Demolt..	3000		0.00	0.00	105,000.00	100,000.00	0.00	0.00	100,000.00	0.00				
		WBS3.02-100.4000	WBS3	WBS3	02-100	Structural Demolt..	4000		0.00	100,000.00	0.00	100,000.00	0.00	0.00	100,000.00	0.00				
		WBS3.02-100.5000	WBS3	WBS3	02-100	Structural Demolt..	5000		0.00	100,000.00	0.00	100,000.00	0.00	0.00	100,000.00	0.00				
		WBS3.02-100.CFB	WBS3	WBS3	02-100	Structural Demolt..	CFB		0.00	0.00	100,000.00	100,000.00	0.00	0.00	100,000.00	0.00				
		WBS3.02-100.NR.	WBS3	WBS3	02-100	Structural Demolt..	NR		0.00	25,000.00	0.00	25,000.00	0.00	0.00	25,000.00	0.00				
		WBS3.03-100.1000	WBS3	WBS3	03-100	Structural Concrete	1000		0.00	100,000.00	0.00	100,000.00	0.00	0.00	100,000.00	0.00				

This page is intentionally left blank.

Contract Forecasting - Labor Forecasting (Labor Lines Only)

For current and future periods, CMiC Field (PMJSP) Contract Forecast with PCI Projections screen allows users to add and edit labor/staffing details via the GC Monitor screen (standard Treeview path: Job Costing > Forecasting > GC Monitor), which is launched for a labor forecast line via its Cost To Complete field.

For a labor line, GC Monitor's Labor tab is used to detail and forecast for the related bill code, and details from GC Monitor roll up to the labor line in Contract Forecasting (the other tabs are not used).

When not using this Labor functionality, or when a category's 'Available On GC Monitor' checkbox is not checked and its Default Forecast Method field set to "Productivity" or "Units" on the Maintain Cost Categories screen (standard Treeview path: Job Costing > Setup > Local Tables > Enter Category), the Cost to Complete pop-up in CMiC Field's Contract Forecast with PCI Projections screen will continue to bring up the standard JSP Productivity/Units pop-up, as usual.

Labor Category Configuration

MAINTAIN COST CATEGORIES																		
Selection Criteria																		
Categories																		
Code	* Description	Ctrl	* WM	Default Forecast Method	Budget	Cost	Billing	Costs	Adjustments (DR)	Billing	Adjustments (CR)	Unbilled Revenue	Unbilled Reserve Revenue	Alternate VWP Cost for Internal Subcontractor	Billing Group	Available On GC Monitor	Cost Type	GC Monitor Rollup Category
1000	Labor	ALL	HR	Amounts	✓	✓	✓	5200.100	5200.200	4000.100	4000.401	4000.501	4000.551	4000.551	✓	Labour		
2000	Subcontract	ALL	NA	Amounts	✓	✓	✓	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550	4000.550	✓	Subcontract		
3000	Equipment	ALL	NA	Amounts	✓	✓	✓	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550	4000.550	✓	Equipment		
4000	Material	ALL	NA	Amounts	✓	✓	✓	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550	4000.550	✓	Material		

Pgm: JCCATFM - Maintain Cost Categories; standard Treeview path: Job Costing > Setup > Local Tables > Enter Category

For a labor forecast line to invoke GC Monitor, its bill code's category must be set up, via the Maintain Cost Categories screen (shown above), to have its:

- ‘Available On GC Monitor’ checkbox checked
- Default Forecast Method field set to “Amounts”
- Cost Type field set to “Labor”

NOTE: If the Job Billing Mapping screen is going to be used to map Job Costing cost codes and categories to Job Billing bill codes, there must be a 1-1 mapping between them.

Once this configuration is complete, invoking the Cost To Complete pop-up on the labor bill code will open the GC Monitor screen, where users may insert/update/delete staffing details for forecasting.

NOTE: On labor detail lines in Contract Forecast with PCI Projections screen, none of the columns are updateable by the users. The LOV for Cost to Complete column will open the GC Monitor screen for users to insert, update or delete the records as required.

Category Set as Labor Forecast

MAINTAIN COST CATEGORIES																				
Selection Criteria																				
Categories																				
Cost	Billing	Costs	Adjustments (DR)	Billings	Adjustments (CR)	Unbilled Revenue	Unbilled Reserve Revenue	Alternate WIP Cost for Internal Subcontractor	Billing Group	On Forward Loss %	Non Recovera	Available On SC/AP	Available In Procurement	* Active	* Include In Forecast	Exclude Cost Budget From VIP	Exclude Costs From VIP	Available On GC Monitor	Cost Type	GC Monitor Rollup Category
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5200.100	5200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	Both <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>																				

Escalators Maintenance

The screenshot shows the 'ESCALATORS MAINTENANCE' screen. At the top, there is a 'Selection Criteria' section with fields for 'Company' (set to 'CCC') and 'Job' (set to 'ALL'). Below this is a table titled 'Escalators' with the following data:

Union	Union Name	*Year	Period	Cost %	Billing %
1000	Int Brotherhood of Elec Wrks	2016	1	2.500	5.000
21	IBEW Local 21	2016	1	2.300	4.800
QA10	QAT Union 10	2016	1	3.100	5.200

Pgm: JCESCALATORMNT – Escalators Maintenance; standard Treeview path: Job Costing > Setup > Local Tables > Contract Forecasting > Escalators Maintenance

Escalators are percent amounts that are automatically added to the calculated cost rate and billing rate of the staffing. The concept of escalators is to avoid entering burden markups for inflation on a period/quarterly basis. Instead, a yearly cost escalator is applied by job.

NOTE: The Escalators Maintenance screen is related to ETC labor forecasting.

Users may set up escalators for “ALL” jobs in a company and for “ALL” unions as well, if required.

Also, escalators may be set up against specific job and unions as required.

The cost/billing rate escalators in a specific year/period will be applied on the Base Cost Rate as per Employee Profile Setup + Any Cost Markups that match the Job/Phase/category/Trade combination + any *PY benefits defined as ‘Include’ in Forecasting.

This will be applied on each labor detail created by the users.

This screen allows rate percent of 3 decimal places of accuracy.

NOTE: The PY benefits defined as ‘Include’ in forecasting requires a special feature to be installed. This is a system alternate feature. This flag will be visible and only then users will be able to include PY benefits in this calculation.

Example:

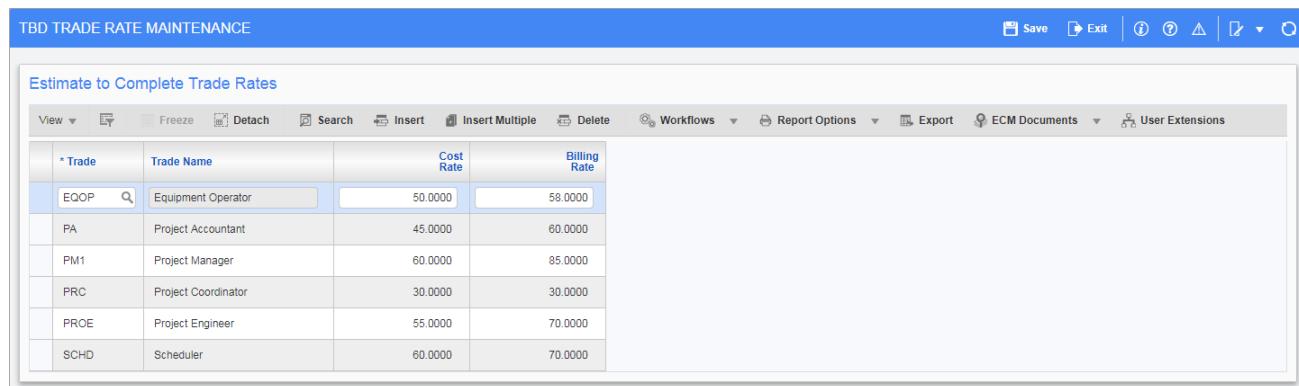
A staff member is assigned to a job for a period of three years.

The first year would include the cost escalator for the first year applied to the base cost rate (as determined by the Employee Profile Setup) + any Costing Rate Markups that match the Job/Phase/Category/Trade combination + any PY Benefits defined as 'Include' in Forecasting.

Similarly, the second year would include the cost escalator for the second year applied to the base cost rate (as determined by the Employee Profile Setup) + any Costing Rate Markups that match the Job/Phase/Category/Trade combination + any PY Benefits defined as 'Include' in Forecasting.

The same statement is true for any subsequent years as well.

TBD Trade Rate Maintenance



The screenshot shows a software interface titled "TBD TRADE RATE MAINTENANCE". At the top, there is a toolbar with various icons: Save, Exit, Undo, Redo, Find, Insert, Delete, Workflows, Report Options, Export, ECM Documents, and User Extensions. Below the toolbar is a sub-header "Estimate to Complete Trade Rates". The main area is a data grid with the following columns: * Trade, Trade Name, Cost Rate, and Billing Rate. The data grid contains the following rows:

* Trade	Trade Name	Cost Rate	Billing Rate
EQOP	Equipment Operator	50.0000	58.0000
PA	Project Accountant	45.0000	60.0000
PM1	Project Manager	60.0000	85.0000
PRC	Project Coordinator	30.0000	30.0000
PROE	Project Engineer	55.0000	70.0000
SCHD	Scheduler	60.0000	70.0000

Pgm: JCTBDRATEMNT – TBD Trade Rate Maintenance; standard Treeview path: Job Costing > Setup > Local Tables > Contract Forecasting > TBD Trade Rate Maintenance

This screen is used to maintain trade rates to be used by the Labor tab in GC Monitor when staff members are unknown at this point in the project and defined as TBD (To Be Decided).

Users can select trade codes and set up associated cost rate/billing rate amounts. This screen allows four decimal places of accuracy.

During the labor detail entry in GC Monitor, launched from the CMiC Field (PMJSP) labor lines, users must set up the staff/labor information for the period as required. The cost/billing rates will be defaulted as per the setup in payroll/job. Upon commit, users may review the **[Period Details]** pop-up for the escalators applied on the cost/billing rates and then multiplied with the quantity to arrive at the Cost To Complete value for the contract forecasting.

Labor Cut-Off Date Maintenance

Cut-Off Date
31-Dec-2018
30-Nov-2018
31-Oct-2018
30-Sep-2018
31-Aug-2018
31-Jul-2018
30-Jun-2018
31-May-2018
30-Apr-2018
31-Mar-2018
28-Feb-2018
31-Jan-2018

Pgm: JCTIMESHEETPOSTDATES – Labor Cut-Off Date Maintenance; standard path: Job Costing > Setup > Local Tables > Contract Forecasting > Labor Cut-Off Date Maintenance.

This screen is only relevant to the GC Monitor forecasting application, which can be used with CMiC Field (PMJSP) Contract Forecast with PCI Projections screen to forecast labor costs more accurately. It is required, as GC Monitor generates forecasts based on the GL period dates of a chart of accounts, which often do not match Payroll period dates.

This screen's cost cut-off dates are used to set the company level Cost Cutoff Date field in the Selection Criteria section of GC Monitor, which is set to the most recent cut-off date in this screen that is on or before the end date of the GL period for which the forecast is being created.

Previous cut-off dates remain for reference purposes, when reviewing previous GC Monitor forecasts.

For further details about this functionality, please refer to the GC Monitor reference guide.

GC Monitor – Forecasting Pop-up

Contract Forecast with PCI Projections

Forecast Comments Calculate Burdens Configure View Clear Overrides Refresh Store Forecast Contract Summary Notes Attachments Send To Spire >

Project: Rockford Community Rec Center (JB-00001)

CONTRACT

Contract: JB-00001 Year: 2019 Current Status: In Process

Job: Period: 1 Status: In Process

Filter: CostRevenue Projected Cost Show: Zero Cost Lines Zero Cost and Revenue Lines Hide: Zero Projected Cost Lines Recoverable Rows: Non-Recoverable Both Go

BILL CODES (FILTERED)

Freeze Update	Bill Code	Job	Job Name	Phase	Name	Shared Saving	Category	Type	Spent/Com. Against Base Contract	Pending CO (Incl. Risk)	Projected Cost Budget	Spent/Com. (Pending CO)	Cost to Complete	Projected Cost Forecast	Cost Variance	Cost To Co... (Incl. Pendin...		
	JB-00001.01-29...	JB-00001	New Communit...	01-2999	Iron Fist	N	1000	CO...	0.00	0.00	1,550.00	0.00	0.00	0.00	1,550.00	0.00	9,000.00	
	JB-00001.01-30...	JB-00001	New Communit...	01-3000	Project Coordin...	N	B	CO...	8,000.00	5,000.00	20,000.00	0.00	0.00	8,000.00	0.00	7,000.00	5,000.00	
	JB-00001.01-30...	JB-00001	New Communit...	01-3000	Project Coordin...	N	L	CO...	0.00	167.00	240,167.00	0.00	0.00	0.00	0.00	240,000.00	167.00	152.00
	JB-00001.01-31...	JB-00001	New Communit...	01-3120	Site Superinten...	N	B	CO...	0.00	0.00	20,000.00	0.00	0.00	0.00	0.00	20,000.00	0.00	0.00
	JB-00001.01-31...	JB-00001	New Communit...	01-3120	Site Superinten...	N	L	CO...	0.00	0.00	180,000.00	0.00	0.00	0.00	0.00	180,000.00	0.00	0.00
	JB-00001.01-31...	JB-00001	New Communit...	01-3130	Superintendent	N	B	CO...	0.00	0.00	18,000.00	0.00	0.00	0.00	0.00	18,000.00	0.00	0.00
	JB-00001.01-31...	JB-00001	New Communit...	01-3130	Superintendent	N	L	CO...	0.00	454.00	160,454.00	0.00	0.00	0.00	0.00	160,000.00	454.00	0.00
	JB-00001.01-31...	JB-00001	New Communit...	01-3135	Project Manager	N	B	CO...	0.00	0.00	35,000.00	0.00	0.00	0.00	0.00	35,000.00	0.00	0.00
	JB-00001.01-31...	JB-00001	New Communit...	01-3135	Project Manager	N	L	CO...	0.00	0.00	280,000.00	0.00	0.00	0.00	0.00	280,000.00	0.00	0.00
	JB-00001.01-31...	JB-00001	New Communit...	01-3135	Office	N	E	CO...	0.00	0.00	75,000.00	0.00	0.00	0.00	0.00	75,000.00	0.00	0.00
	JB-00001.01-31...	JB-00001	New Communit...	01-3135	Office	N	L	CO...	0.00	0.00	60,000.00	0.00	0.00	0.00	0.00	60,000.00	0.00	0.00
	JB-00001.01-31...	JB-00001	New Communit...	01-3135	Office	N	M	CO...	6,658.20	0.00	40,000.00	0.00	0.00	11,500.00	0.00	18,158.20	21,941.80	0.00
	JB-00001.01-31...	JB-00001	New Communit...	01-3135	Field Office	N	OH	CO...	0.00	0.00	15,000.00	0.00	0.00	0.00	0.00	15,000.00	0.00	0.00
	JB-00001.01-31...	JB-00001	New Communit...	01-3140	Project Account...	N	B	CO...	0.00	0.00	22,000.00	0.00	0.00	0.00	0.00	22,000.00	0.00	0.00
	JB-00001.01-31...	JB-00001	New Communit...	01-3140	Project Account...	N	L	CO...	0.00	0.00	200,000.00	0.00	0.00	248,160.00	0.00	248,160.00	-48,160.00	0.00
	JB-00001.01-31...	JB-00001	New Communit...	01-3140	Project Account...	N	OH	CO...	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	10,000.00	0.00	0.00
	JB-00001.01-3205...	JB-00001	New Communit...	02055	Soil	N	E	CO...	1,301,430.00	0.00	15,000.00	0.00	0.00	0.00	0.00	1,301,430.00	-1,295,430.00	0.00
	JB-00001.01-3205...	JB-00001	New Communit...	02055	Soil	N	L	CO...	0.00	0.00	45,000.00	0.00	0.00	0.00	0.00	45,000.00	0.00	0.00
	JB-00001.01-3205...	JB-00001	New Communit...	02055	Soil	N	M	CO...	1,013.75	0.00	10,000.00	0.00	0.00	0.00	0.00	1,013.75	8,988.24	0.00
	JB-00001.01-3205...	JB-00001	New Communit...	02055	Soil	N	OH	CO...	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	5,000.00	0.00	0.00
	JB-00001.0205...	JB-00001	New Communit...	02055	Excavation and...	N	E	CO...	29,015.00	0.00	15,000.00	0.00	0.00	0.00	0.00	29,015.00	-14,015.00	0.00
	JB-00001.0205...	JB-00001	New Communit...	02315	Excavation and...	N	L	CO...	0.00	0.00	40,000.00	0.00	0.00	124,080.00	0.00	124,080.00	-84,080.00	0.00
	JB-00001.0205...	JB-00001	New Communit...	02315	Excavation and...	N	M	CO...	0.00	0.00	12,000.00	0.00	0.00	69,000.00	0.00	69,000.00	-57,000.00	0.00
	JB-00001.0205...	JB-00001	New Communit...	02315	Excavation and...	N	OH	CO...	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	10,000.00	0.00	0.00
	JB-00001.0248...	JB-00001	New Communit...	02480	Foundation Wall	N	E	CO...	4,666.00	0.00	20,000.00	0.00	0.00	0.00	0.00	4,666.00	15,335.00	0.00
	JB-00001.0248...	JB-00001	New Communit...	02480	Foundation Wall	N	L	CO...	0.00	0.00	50,000.00	0.00	0.00	0.00	0.00	50,000.00	0.00	0.00
	JB-00001.0248...	JB-00001	New Communit...	02480	Foundation Wall	N	M	CO...	82,528.77	0.00	8,000.00	0.00	0.00	0.00	0.00	82,528.77	-74,528.77	0.00
	JB-00001.0248...	JB-00001	New Communit...	02480	Foundation Wall	N	OH	CO...	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	6,000.00	0.00	0.00

There are 98 records in database for this period. Page 1, 1 - 50 displayed. 2 pages 98 records totally.

Contract Forecast with PCI Projections; standard Treeview path: CMiC Field > Budget & Cost Management > Contract Forecasting

GC MONITOR

Selection Criteria

Company: CCC CMIC Construction Company Contract Start: 01-Jan-18 Show Completed Staffing

Contract: JB-00001 New Community Rec Center Contract End: 31-Dec-20

Year: 2018 Per: 9 From: 01-Sep-18 To: 30-Sep-18 Cost Cutoff Date: 30-Sep-18

Display Forecast Refresh From Previous Re-calculate All Rates Update Forecast Summary Update Contract Date Refresh Forecast Import/Export Resource Plan Data

Labor Other Summary

Trade	Employee	Employee Name	Union	Pay Type	* Bill Code	* Job	* Cost Code	Cost Code Description	* Category	Cost Cutoff Date
DRV1	CCC-KW-01	Keith Williams		NWHR	JB-00001_03.31.13.L	JB-00001	03.31.13.L	Heavy Weight Structural Concrete	L	30-Sep-18
ZZ20	CCC-BK-01	Bob Kinlan	21	NWHR	JB-00001_03.200.L	JB-00001	03.200.L	Architectural Concrete	L	30-Sep-18
ZZ20	CCC-GB-01	Greg Bannister	21	NWHR	JB-00001_03.31.13.L	JB-00001	03.31.13.L	Heavy Weight Structural Concrete	L	30-Sep-18

Trade: Heavy Truck Driver Union: Bill Code: Heavy Weight Structural Concrete Job: New Community Rec Center Category: L Period Details Default Missing Bill Codes Push Update To Resource Plan

GC Monitor (ADF) pop-up launched from Cost To Complete LOV in CMiC Fields Contract Forecast with PCI Projections

If CMiC Field's Contract Forecast with PCI Projections screen has been set up to work with GC Monitor (standard Treeview path: Job Costing > Forecasting > GC Monitor), for current

and future periods, the screen allows users to add and edit labor forecasting details via the GC Monitor screen, which is launched for a labor forecast line via its Cost To Complete field (shown in previous screenshot).

For details about GC Monitor, labor forecasting, and Payroll cut-off dates, please refer to [GC Monitor](#) the GC Monitor reference guide.

NOTE: Employee security applies to the Labor Forecasting screen. Users must be given required access to this screen via the Employee Security tab on the User Maintenance screen, by assigning an employee security group (standard Treeview path: System > Security > Users > User Maintenance – Employee Security tab).

This page is intentionally left blank.

Contract Forecasting - Billing Type & Revenue Calculations

The revenue calculation is driven by the billing type assigned to the bill code. This section describes how the revenue is calculated when using each billing type.

Billing Type Rate Rules

Depending on the billing type, billing rates are derived from different places.

Billing Type	Rule
Cost	If on the Job Setup screen (standard Treeview path: Job Costing > Job > Enter Job), 'Use Payroll Billing Rates' box is checked on the Payroll tab or 'Use Equipment Bill Rates' box is checked on the Settings tab, then these rates will be used where possible to determine the billing amount for cost transactions generated in the Payroll or Equipment modules. All other billing amounts will be determined by using the Billing Rate table. There is one override to this rule. On the Job Setup screen, there is a Max Hourly Rate field on the Job Billing tab. If a value is entered in this field, then all transactions from Payroll will be compared to this max billing rate and altered if their billing rate is greater than this max.
Unit	Under this method, the billing rate used is the billing rate

Billing Type	Rule
	applied on the billing code line.
Phase Unit	Under this method, the billing rate used is the billing rate applied on the billing code line.
% Complete of Costs	Under this method, the billing amount is the Percent Complete of the costs to the Budgeted Costs for the billing code.
% Complete of Construction Value	Under this method, the billing amount is the Percent Complete of the % of the Construction Value.
% Complete of Units	Under this method, the billing amount is the Units Complete of the Billing Code times the Unit Rate of the Billing Code.
Milestone	Each Milestone indicates the exact amount to bill when the milestone is released either manually or automatically.
Non - Recoverable	This is a non-billing rate. Any item using this method will not be billed unless manually overridden.

Billing Types

Code	Billing Type	Calculation Method
COST	COST	This method will select all the cost transactions for a specific billing code and bill the calculated revenue amount associated with each transaction.

Code	Billing Type	Calculation Method
UNIT	UNITS	This method is calculated as the sum of the units associated with all cost transactions for a specific billing code multiplied by the billing rate on the contract.
UPHS	PHASE UNIT BILLING	This method will calculate as the sum of the amount entered via Job Cost Phase Quantity Completion multiplied by the rate on the billing code line.
NR	NON RECOVERABLE	This method is a non-billable method – any transactions associated with bill codes marked with this billing method will produce a zero bill.

%Complete Billing Types Overview

Percent Complete billings work against a fixed contract value, the Budgeted Cost, Budgeted Units or Contract Value. The Units and Costs are derived from the Job Cost Transactions.

Code	Billing Type	Calculation Method
PCCO	% Complete/Cost	With this method, the billing type used will depend on the billing contract budget lines. Where there is a budget on the billing line, then % COMPLETE billing type will be used. Where the billing budget line is null or zero, the billing type COST will be used.
PC	% Complete of Budgeted Costs	This method will automatically calculate the percent complete of currently asked for costs against the Budgeted Cost Amount of the

Code	Billing Type	Calculation Method
		billing code and create the Bill Amount as “(Budgeted Billing Amount * Percent Complete / 100)”.
PCV	% Complete of Construction	This method will automatically calculate the percent complete of currently asked for costs against the Construction Value of the billing code and create the Bill Amount as “((Construction Value* % of Construction Value / 100) * (Percent Complete/100))”.
PU	% Complete of Budgeted Units	This method requires the user to enter the % of Units Complete for each billing code. The system will then calculate the bill amount as “((Budgeted Units * Percent Complete)/100) * Unit Billing Rate”.

Burdened Billings - Billing Types Overview

Burdened billings are a method of billing a percent of a different billing line. For example, your site management fee may be 15% of all general conditions.

Code	Billing Type	Calculation Method
BPC	Burdened Billings % of Cost Amount	This method will sum the 'COST' amount of the associated billing codes cost transactions and then apply the required Burden %. ((Sum of Costs * Burden Percent) /100)
BPB	Burdened Billings % of Billing Amount	This method will sum the 'BILL' amount of the associated billing codes 'Cost' transactions and then apply the required Burden %. ((Sum of Bill Amounts * Burden Percent)/100)
BPU	Burdened Billings \$ Rate per Unit	This method will take the Billing Units entered of the associated billing codes and then apply a rate per unit. (Sum of Units * \$ Rate per Unit)

Milestone Billings - Billing Types Overview

Milestone billings are manual billings triggered by % complete, dates, and costs or manually released. All milestones except fixed fee allow for multiple releases of the milestone.

Code	Billing Type	Calculation Method
MC	Milestones Cost to Date	This method allows the user to define the amount to be billed every time the actual cost to date reaches an entered value.
MD	Milestone Date	This method allows the user to define the amount to be billed

Code	Billing Type	Calculation Method
	Based	on specific dates.
MF	Milestone Fixed Fee	This method allows for a bill code to be billed only once, for a specified dollar amount. The user must manually release this milestone.
MU	Milestone User Defined	This method allows the user to define multiple milestones with fixed dollar values for a specific bill code. The user must manually release the milestones.
MPC	Milestone % Complete of Cost	This method allows the user to enter the amount to bill when the calculated % complete equals or is greater than the percent complete entered on the milestone.
MPCV	Milestone % Complete of Construction Value	This method allows the user to enter the amount to bill when the calculated % complete equals the percent complete of construction value entered on the milestone.
MPU	Milestone % Complete of Units to Date	This method allows the user to enter the amount to bill whenever the units complete equals the percent of budgeted units entered on the milestone.
MQ	Milestone Quantity to Date	This method allows the user to enter the amount to bill whenever the units to date equal the amount entered on the milestone.

Contract Forecasting - Billing Rate Table & Forecasting

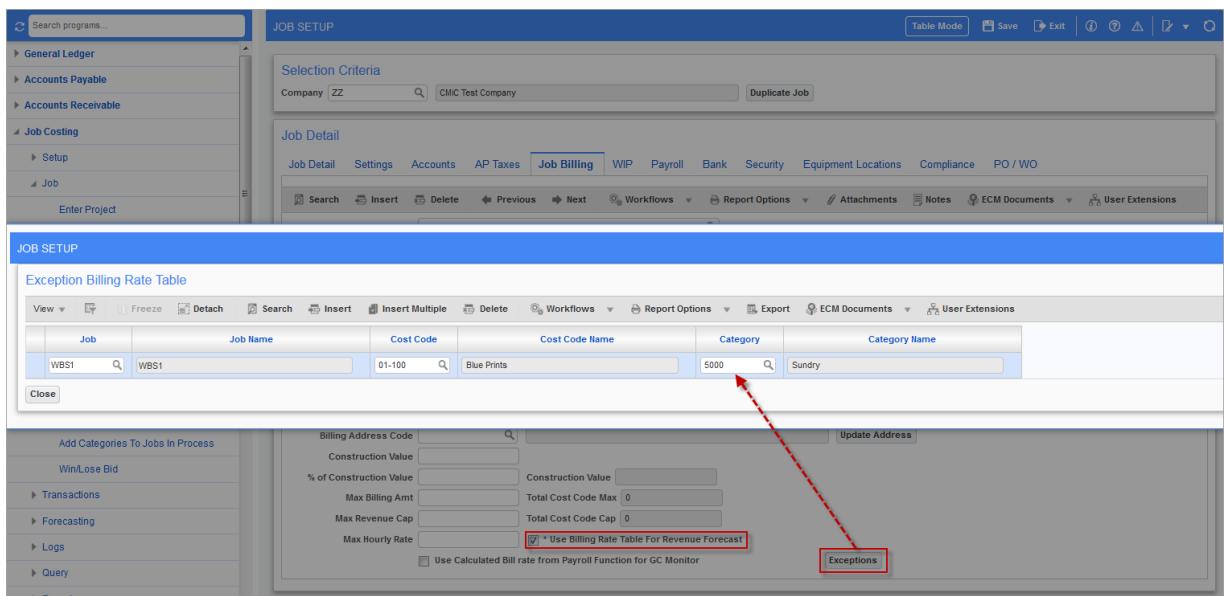
The Maintain Bill Rates screen in the Job Billing module can be used to determine the values in the Revenue Forecast column in the Contract Forecast with PCI Projections screen.

1. Enter billing rate details in the Maintain Bill Rates screen, as shown in the first screenshot below. In the example, the category defined as “4000” in the Cost Type field has a rate multiplier defined in the Multiplier field.
2. Check the ‘Use Billing Rate Table for Revenue Forecast’ box in the Job Setup screen and define any exceptions as required by entering them in the pop-up window launched from the [Exceptions] button, as shown in the second screenshot below.
3. Refresh the Contract Forecast with PCI Projections screen. The Revenue Forecast column will have the billing rate applied for all bill codes associated with category code “4000”, as shown in the third screenshot below.

The screenshot shows the 'MAINTAIN BILL RATES' screen. The top navigation bar includes 'Table Mode', 'Save', 'Exit', and other standard buttons. The main area is divided into two tabs: 'Rate Code' and 'Subrate Detail'. The 'Rate Code' tab shows a search interface with fields for 'Rate Code' (ZZ-STD), 'Start Date' (01-Jan-2005), and 'End Date'. The 'Subrate Detail' tab shows a grid of columns including Employee, Union, Trade, Shift, Job, Cost Code, Cost Type, PY Tran Type, PY Tran Code, Multiplier, Billing Rate, *WIM, Description, Type, Rate Factor, Premium, and Billing Cap. A row in the grid has the 'Cost Type' field set to '4000', which is highlighted with a red box. The bottom of the screen features various filters and dropdown menus for navigating the data.

Pgm: JBRATE – Maintain Bill Rates; standard Treeview path: Job Billing > Contracts > Billing Rates

Contract Forecasting with PCI Projections - R12



Pgm: JCJOBFM – Job Setup; standard Treeview path: Job Costing > Job > Enter Job - Job Billing tab

Defining Exceptions:

Users must define the exceptions in the controlling Job record for controlling the job itself and all the sub-jobs which share the contract code from the controlling job. For the case of sub-jobs with their own billing contract, the exceptions must be defined on the sub-job record. It is not required/meaningful to check the 'Use Billing Rate Table for Revenue Forecast' checkbox and define exceptions on sub-jobs, which share the contract of the controlling job or the contract code of another sub-job contract. The system will ignore these exceptions.

Contract Forecasting with PCI Projections - R12

NOTE: When the System Alternate Feature (custom feature) 'PCI SPENT AMT INCREASE ADJ REVENUE' is enabled, then the Revenue Forecast column will not follow the Bill Rate Multiplier functionality and uses custom calculation.

This page is intentionally left blank.

Contract Forecasting - Billing Maximums

Billing Maximum is a feature available with the Job Billing module and automatically caps the billing amount at the following hierarchical levels as applicable.

As far as the Contract Forecast with PCI Projections screen is concerned, the Adjusted Revenue Forecast column applies the maximum rule and displays the amounts accordingly.

1. Billing Contract Level
2. Group Level
3. Billcode Level

The contract maximums can be set up in the Job Setup screen, which in turn default into the Contract Entry screen when creating a new billing contract.

The following example shows billing maximum at bill code level, where a maximum of \$3200.00 is set.

Contract Forecasting with PCI Projections - R12

CONTRACT ENTRY

CONTRACT INFORMATION

Job	1504090M	1504090 - Feature Set-02	* Contract Currency	US Dollars	Contract Billing Type	COST			
* Contract	1504090M	1504090 - Feature Set-02							
* Customer	ZZ-WMT	Wal-Mart Stores Inc							
Budg. Billing Amt		<input type="checkbox"/> * Time Phased	<input type="checkbox"/> Exclude Non-Inv Receipts						
Max Billing Amt									
Bid Date		* Contract Date	01-Jan-2016						
Approved Date	09-Mar-2016	Closed Date		Spread Rule					
Start Date	01-Jan-2016	End Date	31-Dec-2018	Rate Code	RATE1				
<input type="button" value="Create Contract Details"/> <input type="button" value="Bill Rates"/> <input type="button" value="Add New Bill Codes"/> <input type="button" value="Reset All Bill Code Budgets"/> <input type="button" value="Default Compliance Codes"/> <input type="button" value="Invoice Preview"/>									

Billing Codes

Billing Code	* Type	Description	Budg. Billing Amt	Curr \$	Budg. Qty.	WM	Billing Rate	Max Billing Amt	Max Qty	% of Constr.	Construction Value
1504090M.01-100.1000	COST	Blue Prints - Labor	10,000.00	US	100.000	HR	100.000	10,000.00			15C
1504090M.01-100.2000	COST	Blue Prints - Subcontract	10,000.00	US	0.000	NA		10,000.00			15C
1504090M.01-100.3000	COST	Blue Prints - Equipment	10,000.00	US	0.000	NA		10,000.00			15C
1504090M.01-100.4000	COST	Blue Prints - Materials	7,500.00	US	0.000	NA		9,250.00			15C
1504090M.01-100.LAB	COST	Blue Prints - Labor Fore	10,000.00	US	100.000	HR	100.000	10,000.00			15C
			197,500.00								

Bill Code Details Total Budg. Billing Amount 197,500.00

Pgm: JBCONT - Contract Entry; standard Treeview path: Job Billing > Contracts > Enter Contract

JBBILL TRANSACTIONS

SELECTION CRITERIA

<input type="checkbox"/> Previously Billed	<input checked="" type="checkbox"/> Currently Billed	<input checked="" type="checkbox"/> Temporarily Deferred	<input checked="" type="checkbox"/> Permanently Deferred	<input type="checkbox"/> Unbilled Transactions	<input checked="" type="checkbox"/> SC Unposted Pay Requests
<input checked="" type="checkbox"/> Original Transactions					

TRANSACTIONS

Job	Cost Code	Category	Status	Draw	Rev	Bill Code	Post Date	Contract Currency Calc. Potential Rev.	Curr	Unit	Rate	Hour Type	Hour D
1504090M	01-100	4000	<input checked="" type="radio"/> B <input type="radio"/> T <input type="radio"/> P	1	0	1504090M.01-100.1000	01-May-2018	51,000.00	US				
1504090M	01-100	LAB	<input checked="" type="radio"/> B <input type="radio"/> T <input type="radio"/> P	1	0	1504090M.01-100.2000	07-Jan-2016	600.00	US	8	75.00	NWHR	Normal Hours
1504090M	02-100	LAB	<input checked="" type="radio"/> B <input type="radio"/> T <input type="radio"/> P	1	0	1504090M.02-100.1000	07-Jan-2016	162.36	US	8	20.30	NWHR	Normal Hours
								51,762.36					

Select All B T P
 Transaction Status

Calculated Potential Revenue

Pop-up window launched from [Cost Transactions] button on JB Prepare Billing screen (standard Treeview path: Job Billing > Billing > Prepare Billing)

Contract Forecasting with PCI Projections - R12

PREPARE BILLING

Job: 1504090M | 1504090 - Feature Set-02
 Customer: ZZ-WMT | Wal-Mart Stores Inc
 Billing Date: 01-May-2018 | Type: Draw
 Due Date: 31-May-2018 | Draw Num: 1
 Period Ending Date: 30-Apr-2018 | Contract Currency: US Dollars
 Budg. Billing Amt: 197,500.00 | Max. Billing Amt: _____
 Revision Num: 0 | Status: Unapproved
 Invoice Format: JB14 | Jbill Exists Flag: _____
 Recalc Notification: _____ | Bill Exists: _____

Add Bill Codes | Update Budget | Recalc. Billings | Create Billing | Generate | Print Draft | Print | Delete Billing | Create RFP

Cost Transactions | Change Orders

Billing Maximum applied to cap the Billing Amount on this billcode

Summary	Group 1 Summary	Group 2 Summary	Group 3 Summary	Group 4 Summary	Group 5 Summary	Bill Code Detail				
View	Freeze	Detach	Search	Workflows	Report Options	Export	ECM Documents	User Extensions	Mass Update	
Group/Bill Code	Description	Budg. Billing	Current Cost	Prev. Billed Amt	Ovr	Material Stored	Current Completed	Compl & Stored	%Completed	Retainage
1504090M.01-10.1L	Blue Prints - Labor	10,000.00	0.00	0.00		0.00	0.00	0.00	0.00	
1504090M.01-100.2L	Blue Prints - Subcontracts	10,000.00	0.00	0.00		0.00	0.00	0.00	0.00	
1504090M.01-100.3L	Blue Prints - Equipment	10,000.00	0.00	0.00		0.00	0.00	0.00	0.00	
1504090M.01-100.4L	Blue Prints - Materials	7,500.00	50.00	12,750.00	0.00	0.00	9,250.00	9,250.00	123.33	9
1504090M.01-100.LJ	Blue Prints - Labor Forecast	10,000.00	30.00	680.00	0.00	0.00	600.00	600.00	6.00	
1504090M.02-100.1L	Excavation - Labor	10,000.00	0.00	0.00		0.00	0.00	0.00	0.00	
1504090M.02-100.2L	Excavation - Subcontracts	10,000.00	0.00	0.00		0.00	0.00	0.00	0.00	
		197,500.00	38.24	13,538.24	0.00	0.00	10,012.36	10,012.36		1.0

The following example shows the contract maximum applied when generating an invoice. The contract maximum is set at \$1888.00. The program applies the bill code maximum on the lines and then the contract maximum on the entire bill generated by effectively offsetting the amounts using negative billed amounts on the currently billed lines.

Contract Forecasting with PCI Projections - R12

CONTRACT ENTRY

CREATE CONTRACT

* Company ZZ CMIC Test Company

Use Sub-Contract Vendor on New Bill Lines Show Closed Contracts Show NR Bill Codes

CONTRACT INFORMATION

Billing Items	Defaults	Rounding Methods	Address	Description	Officials	Surcharge	Risk Management	Separate Billing Information	Mapping Groups
Job 1504090M 1504090 - Feature Set-02	Contract 1504090M 1504090 - Feature Set-02	Customer ZZ-WMT Wal-Mart Stores Inc	Budg. Billing Amt 6,250.00	Max Billing Amt 6,250.00	Budg. Billing Amt 6,250.00	Max Billing Amt 6,250.00	Contract Currency US Dollars	Contract Billing Type COST	
* Time Phased		Exclude Non-Inv Receipts							
Bid Date	Approved Date 09-Mar-2016	Closed Date	Spread Rule	Start Date 01-Jan-2016	End Date 31-Dec-2018	Rate Code RATE1			
<input type="button" value="Create Contract Details"/>		<input type="button" value="Bill Rates"/>		<input type="button" value="Add New Bill Codes"/>		<input type="button" value="Reset All Bill Code Budgets"/>		<input type="button" value="Default Compliance Codes"/>	
<input type="button" value="Invoice Preview"/>									

Billing Codes

Group 1 Group 2 Group 3 Group 4 Group 5

Billing Code	* Type	Description	Budg. Billing Amt	Curr \$	Budg. Qty.	WM	Billing Rate	Max Billing Amt	Max Qty	% of Constr.	Construction Value	
1504090M.01-1	COST	Blue Prints - Labor	10,000.00	US	100.000	HR	100.000	10,000.00				150409C
1504090M.01-100.	COST	Blue Prints - Subcontractor	10,000.00	US	0.000	NA		10,000.00				150409C
1504090M.01-100.	COST	Blue Prints - Equipment	10,000.00	US	0.000	NA		10,000.00				150409C
1504090M.01-100.	COST	Blue Prints - Materials	7,500.00	US	0.000	NA		9,250.00				150409C
1504090M.01-100.	COST	Blue Prints - Labor Fess	10,000.00	US	100.000	HR	100.000	10,000.00				150409C

Contract Forecasting with PCI Projections - R12

PREPARE BILLING

Job	1504090M	1504090 - Feature Set-02	
Customer	ZZ-WMT	Wal-Mart Stores Inc	
Billing Date	01-May-2018	Type	Draw
Due Date	31-May-2018	Draw Num	1
Period Ending Date	30-Apr-2018	Contract Currency	US Dollars
Budg. Billing Amt	197,500.00	Max. Billing Amt	6,250.00
Invoice Desc			
Recalc Notification	Contract Amount Does Not Match Total Budget Amount		
<input type="checkbox"/> Add Bill Codes <input type="checkbox"/> Update Budget <input type="checkbox"/> Recalc. Billings <input type="checkbox"/> Create Billing <input type="checkbox"/> Generate <input type="checkbox"/> Print Draft <input type="checkbox"/> Print <input type="checkbox"/> Delete Billing <input type="checkbox"/> Create RFP			
<input type="checkbox"/> Cost Transactions <input type="checkbox"/> Change Orders			
<input type="checkbox"/> Contract Maximum Applied			

Bill Code Detail

Group/Bill Code	Description	Budg. Billing	Cost To Date	Current Cost	Prev. Billed Amt	Ovr	Material Stored	Current Completed	Compl & Stored	%Completed
1504090M.01-10.1	Blue Prints - Labor	10,000.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
1504090M.01-100.2	Blue Prints - Subcontracts	10,000.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
1504090M.01-100.3	Blue Prints - Equipment	10,000.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
1504090M.01-100.4	Blue Prints - Materials	7,500.00	12,750.00	12,750.00	0.00		0.00	9,250.00	9,250.00	123.33
1504090M.01-100.9*	Blue Prints - Contract Maximum		0.00	0.00	0.00		0.00	0.00	0.00	0.00
1504090M.01-100.9	Blue Prints - Group Maximum Lin		0.00	0.00	0.00		0.00	0.00	0.00	0.00
1504090M.01-100.1J	Blue Prints - Labor Forecast	10,000.00	680.00	680.00	0.00		0.00	600.00	600.00	6.00
		197,500.00	13,538.24	13,538.24	0.00		0.00	6,250.00	6,250.00	

Unposted PCIs and Billing Maximums in Forecasting

The Adjusted Revenue Forecast column displays appropriate billing maximums applied and if there are no maximums, then the Revenue Forecast column amounts are populated.

When the 'Max Billing Amount Includes Unposted PCIs' box is checked on the Forecasting tab of the Job Costing Control File screen, the Adjusted Revenue Forecast column will include the unposted PCI billing amounts on top of the billing maximums if any.

When unchecked, unposted PCIs will be subject to billing maximums defined and adjustments will be calculated and shown against the bill codes with adjustment categories.

Contract Forecasting with PCI Projections - R12

The screenshot shows the 'JOB COST CONTROL FILE' window with the 'Forecasting' tab selected. The 'Selection Criteria' section includes a company search bar set to 'CMIC Construction Company'. Below the tabs are various buttons like Search, Insert, Delete, Workflows, Report Options, ECM Documents, and User Extensions. The 'Forecasting' tab has several configuration options:

- * Forecasting Method: Standard
- Contract Forecast Year: 2019
- Contract Forecast Period: 1
- Allow Forecast For Future Periods
- Use Billing Rate Table For Revenue Forecast
- Max Billing Amount Includes Unposted PCF's (highlighted with a red box)
- Copy Last Stored Forecast
- Notes To Be Carried Forward Through Periods
- Allow Negative Values In Cost To Complete
- Limit Payroll Costs By Reference Date
- Show Negative Values in Cost To Complete
- Default Projection Threshold %: 0
- Detailed Time Phased Budgeting
- Nested Groups Use Savings From Lower Levels
- GC Monitor Cost Cutoff Option: Company Level
- Default GC Monitor Import/Export Method: Replace Matching Lines Only

Pgm: JCCTRLFM – Job Cost Control File; standard Treeview path: Job Costing > Setup > Local Tables > Control File – Forecasting tab

Contract Forecasting - Job Costing WIP Integration

Overview

The Work-In-Progress (WIP) forecast and reporting functions in the Job Costing module are available through two primary options:

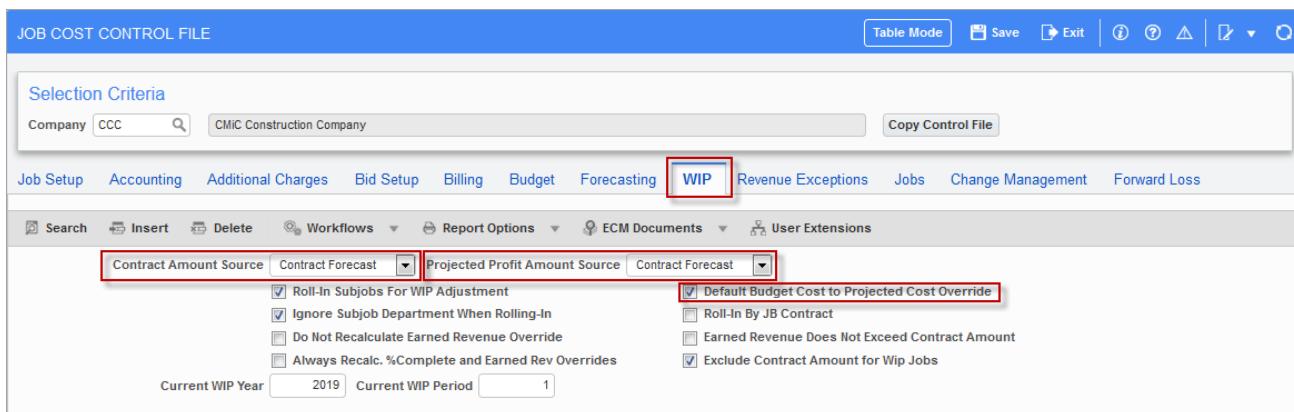
- The WIP Adjustment screen allows users to review the current state of jobs, create and post WIP adjustment transactions, and store long-term revenue forecasts.
- The WIP Report presents job statistics as of the end of the specified period.

WIP adjustment amounts are always calculated on the complete job, they do not consider the adjustment amount from last month as last month's adjustment was reversed for the current month.

Job Cost Control File

The company's Job Cost Control File allows users to configure the WIP program defaults from the Contract Forecast with PCI Projections screen as follows:

Contract Forecasting with PCI Projections - R12



Pgm: JCCTRLFM – Job Cost Control File; standard Treeview path: Job Costing > Setup > Local Tables > Control File – WIP tab

On the WIP tab of the Job Cost Control File screen:

1. The Contract Amount Source field and the Projected Profit Amount Source field may be set as “Contract Forecast” and the forecasted values will be used when creating WIP.
2. The checkbox ‘Default Budget Cost to Projected Cost Override’ may be checked if required. This applies when the stored forecasting does not have projected cost.

Entering and Posting WIP Adjustments

Pgm: JCWIP – Enter WIP Adjustment; standard Treeview path: Job Costing > Forecasting > Work-In-Process Adjustments > Enter and Post Adjustments

This screen is used to process automatic General Ledger adjusting entries for over or under billings for jobs using the billings and costs accounting method. This screen is not required if the completed contract accounting method is used. The WIP account used will be the billing account as entered on the job, or if that is blank, the WIP account entered in the Job Costing Control File.

Please refer to the Job Costing guide for more detailed information on using the Enter WIP Adjustments screen.

NOTE: To obtain optimal performance on this screen, users should filter data using the Job/Job Picklist field or the Contract field.

Projected Profit Override

The value in the Projected Profit Override column on the WIP Adjustment tab of the Enter WIP Adjustments screen in the Job Costing module defaults from the Profit Includ-

Contract Forecasting with PCI Projections - R12

ing Shared Saving column in the Contract Forecast with PCI Projections screen, as shown in the screenshots below.

Contract																			
Contract		Year	2018	Status	In Process	Filter	<input checked="" type="radio"/> Cost/Revenue	<input type="radio"/> Projected Cost	Show	<input type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines	Hide	<input type="checkbox"/> Zero Projected Cost Lines	<input type="radio"/> Recoverable	<input type="radio"/> Non-Recoverable	<input type="radio"/> Both			
<i>Forecast has been refreshed.</i>																			
Bill Codes																			
N	Att	Contract C...	Bill Code	Job	Phase	Name	Category	Type	Meth...	S... Rev For...	Projected Pr...	Cost Foreca...	Total Cost to Complete	Shared Saving Amount	Profit Includ... Shared Saving	Pending PCI... Risk (revenue)	Pending PCI... Risk (Cost)	WIP Projec...	WIP Projec...
<input type="checkbox"/> 1740504 1740504S1-02-100.1... 1740504S1 02-100 Excavation 1000 COST P Y 0.00 3,000.00 0.00 12,000.00 600.00 2,400.00 0.00 0.00 0.00 12,000.00																			
<input type="checkbox"/> 1740504 1740504S1-02-100.2... 1740504S1 02-100 Excavation 2000 COST P Y 0.00 3,000.00 0.00 12,000.00 900.00 2,100.00 0.00 0.00 0.00 12,000.00																			
<input type="checkbox"/> 1740504 1740504S1-02-200.1... 1740504S1 02-200 Back Fill 1000 COST P Y 0.00 3,000.00 0.00 12,000.00 600.00 2,400.00 0.00 0.00 0.00 12,000.00																			
<input type="checkbox"/> 1740504 1740504S1-02-200.2... 1740504S1 02-200 Back Fill 2000 COST A Y 0.00 3,000.00 0.00 12,000.00 900.00 2,100.00 0.00 0.00 0.00 12,000.00																			
<input type="checkbox"/> 1740504 1740504S1-03-100.1... 1740504S1 03-100 Footings 1000 COST P Y 0.00 3,000.00 0.00 12,000.00 600.00 2,400.00 0.00 0.00 0.00 12,000.00																			
<input type="checkbox"/> 1740504 1740504S1-03-200.1... 1740504S1 03-200 Footings 2000 COST A Y 0.00 3,000.00 0.00 12,000.00 900.00 2,100.00 0.00 0.00 0.00 12,000.00																			
<input type="checkbox"/> 1740504 1740504S1-03-200.2... 1740504S1 03-200 Slabs 1000 COST P Y 0.00 3,000.00 0.00 12,000.00 600.00 2,400.00 0.00 0.00 0.00 12,000.00																			
<input type="checkbox"/> 1740504 1740504S1-04-100.1... 1740504S1 04-100 Slabs 2000 COST A Y 0.00 3,000.00 0.00 12,000.00 900.00 2,100.00 0.00 0.00 0.00 12,000.00																			
<input type="checkbox"/> 1740504 1740504S1-04-100.2... 1740504S1 04-100 Blue Prints 1000 COST P Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S1-04-101.1... 1740504S2 01-100 Blue Prints 2000 COST P Y 0.00 2,000.00 0.00 20,000.00 600.00 1,400.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S1-04-101.2... 1740504S2 01-101 Signage 1000 COST P Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S1-04-102.1... 1740504S2 01-102 Signage 2000 COST P Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-01-102.2... 1740504S2 01-102 Progress Photos 1000 COST P Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-02-100.1... 1740504S2 02-100 Progress Photos 2000 COST A Y 0.00 2,000.00 0.00 20,000.00 600.00 1,400.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-02-100.2... 1740504S2 02-100 Excavation 1000 COST P Y 0.00 2,000.00 0.00 20,000.00 600.00 1,400.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-02-200.1... 1740504S2 02-200 Excavation 2000 COST A Y 0.00 2,000.00 0.00 20,000.00 600.00 1,400.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-02-200.2... 1740504S2 02-200 Back Fill 1000 COST P Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-03-100.1... 1740504S2 03-100 Back Fill 2000 COST A Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-03-100.2... 1740504S2 03-100 Footings 1000 COST P Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-03-200.1... 1740504S2 03-200 Footings 2000 COST A Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-03-200.2... 1740504S2 03-200 Slabs 1000 COST P Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-04-100.1... 1740504S2 04-100 Slabs 2000 COST A Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-04-100.2... 1740504S2 04-100 Progress Photos 1000 COST P Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-04-101.1... 1740504S2 04-101 Progress Photos 2000 COST A Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-04-101.2... 1740504S2 04-102 Progress Photos 2000 COST P Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-04-102.1... 1740504S2 04-102 Progress Photos 1000 COST P Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-04-102.2... 1740504S2 04-102 Progress Photos 2000 COST A Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-04-103.1... 1740504S2 04-103 Progress Photos 1000 COST P Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-04-103.2... 1740504S2 04-103 Progress Photos 2000 COST A Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-04-103.3... 1740504S2 04-103 Progress Photos 2000 COST P Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-04-104.1... 1740504S2 04-104 Progress Photos 1000 COST P Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-04-104.2... 1740504S2 04-104 Progress Photos 2000 COST A Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-04-104.3... 1740504S2 04-104 Progress Photos 2000 COST P Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-04-105.1... 1740504S2 04-105 Progress Photos 1000 COST P Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-04-105.2... 1740504S2 04-105 Progress Photos 2000 COST A Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-04-105.3... 1740504S2 04-105 Progress Photos 2000 COST P Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-04-106.1... 1740504S2 04-106 Progress Photos 1000 COST P Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00 0.00 0.00 0.00 20,000.00																			
<input type="checkbox"/> 1740504 1740504S2-04-106.2... 1740504S2 04-106 Progress Photos 2000 COST A Y 0.00 2,000.00 0.00 20,000.00 400.00 1,600.00																			

The [Finalize Projections] button on the WIP Adjustment tab of the Enter WIP Adjustments screen in the Job Costing module sets the ‘JCW_FINALIZE_PROJECTIONS_FLAG’ value in the JCWIP table for the specific WIP period as ‘Y’.

This affects the following column values as follows:

- Contract Override Amount Column (Billings) = Actual Billed Amount + Unposted Billings

- Projected Cost Override Column (Cost) = Spent Cost + Unposted Cost

- Projected Profit Override Column = (Billings – Cost)

$$= \{\text{Actual Billed Amount} + \text{Unposted Billings}\} - \{\text{Spent Cost} + \text{Unposted Cost}\}$$

- Hence, % Complete Override is calculated as follows:

$$\% \text{ Complete Override} = \text{Cost} / \text{Projected Cost Override}$$

- Earned revenue Override = $\{(100\% * \text{Projected Profit Override}) + \text{Spent} + (\text{Unposted Cost})\}$

Once the projections are finalized, the button name changes to [**Un-finalize Projection**] and pressing this will revert the values to system calculated values.

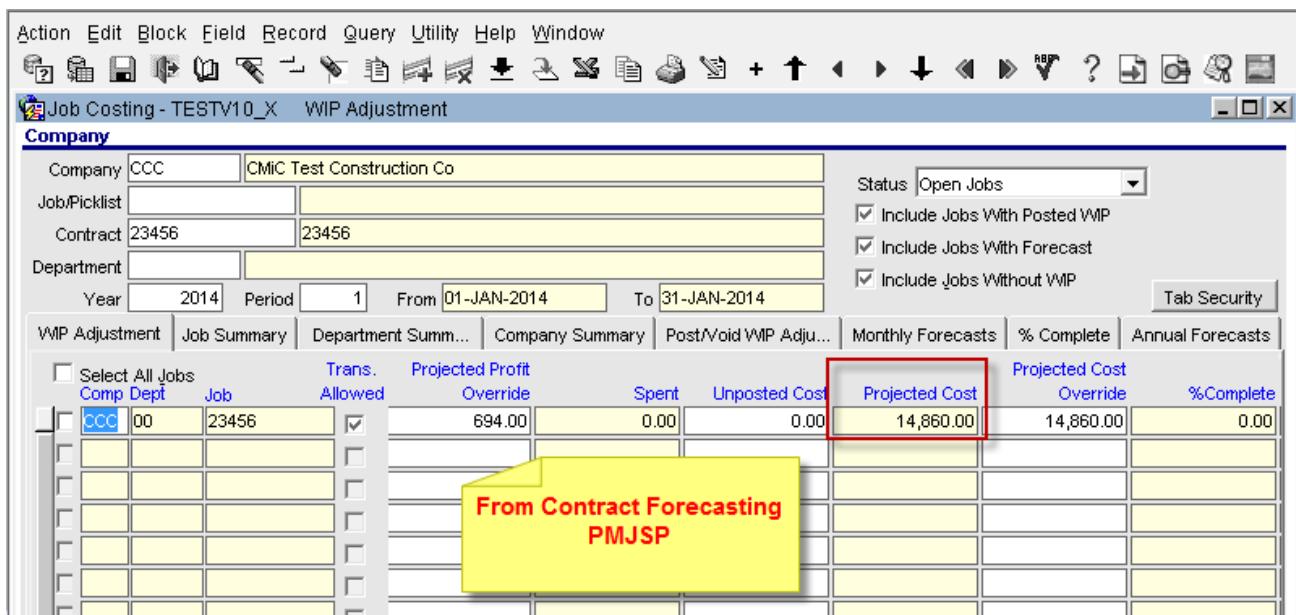
NOTE: The Finalize Projection function calculates and populates the Earned Revenue Override column in the WIP Adjustment tab of the Enter WIP Adjustments screen.

Examples of Contract Forecasting and WIP Interaction

The following examples show the Contract Forecast with PCI Projections and WIP program interaction.

Contract Forecasting with PCI Projections - R12

Contract											Forecast has been refreshed								
Contract	23456	Job		Year	2014	Period	1	Filter	<input checked="" type="radio"/> Cost/Revenue	<input type="radio"/> Projected Cost	Show	<input checked="" type="checkbox"/> Zero Cost Lines	<input type="checkbox"/> Zero Cost and Revenue Lines	Hide	<input checked="" type="checkbox"/> Zero Projected Cost Lines	Rows	<input type="radio"/> Recoverable	<input type="radio"/> Non-Recoverable	<input checked="" type="radio"/> Both
Bill Codes																			
Freeze Update	Bill Code	Job	Phase	Name	Category	Phase Type	Est to Complete		Projected Cost Forecast	Cost Variance	Proj Cost Forecast (Incl. Pending CO)	Cost Variance (Incl Pending CO)	Current Bill Budget	Pending CO	Pending CO (Incl. Risk)	Projected Bill Budget			
	23456.02-100.1000	23456	02-100	Structural Demolit...	1000		1,111.00	▲✓	1,111.00 ✓	23,889.00	1,111.00 ✓	23,889.00	25,000.00	0.00	0.00	25,000.00			
	23456.02-100.2000	23456	02-100	Structural Demolit...	2000		2,222.00	▲✓	2,222.00 ✓	22,778.00	2,222.00 ✓	22,778.00	25,000.00	0.00	0.00	25,000.00			
	23456.02-100.3000	23456	02-100	Structural Demolit...	3000		3,333.00	▲✓	3,333.00 ✓	21,667.00	3,333.00 ✓	21,667.00	25,000.00	0.00	0.00	25,000.00			
	23456.02-100.4000	23456	02-100	Structural Demolit...	4000		4,444.00	▲✓	4,444.00 ✓	24,306.00	8,194.00 ✓	20,556.00	25,000.00	4,850.00	4,850.00	29,850.00			
Totals:							11,110.00		11,110.00	92,640.00	14,860.00		88,890.00	100,000.00	4,850.00	4,850.00	104,850.00		



Selecting Type of PCIs to be Included when Calculating WIP

Users can choose which type of PCIs will be included when calculating WIP.

The following settings are required to enable this functionality:

- 'WIP Cost' and 'WIP Revenue' checkboxes on the Maintain PCI Status Codes screen in the Change Management module (standard Treeview path: Change Management > Local Tables > PCI Status Codes).
- Contract Amount Source field and Projected Profit Amount Source on the WIP tab of the Job Cost Control File in the Job Costing module (standard Treeview path: Job Costing > Setup > Local Tables > Control File – WIP tab).

When these settings are enabled, the system will include the PCIs with this status and calculate/populate in WIP related columns in the Contract Forecast with PCI Projections screen, which in turn will be used to update JC WIP columns.

Change Management PCI Status Codes Setup

Code	Name	* Pending Type	Name	Proceeding	Forecast	WIP Cost	WIP Revenue	Include In Below The Line
APPROVED	Approved	A	Approved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PENDING	Pending	P	Pending	<input checked="" type="checkbox"/>				
PREPENDIN	Prepending	N	Pre-Pending	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
REJECTED	Rejected	R	Rejected	<input type="checkbox"/>				

Pgm: CMSTATFM – Maintain PCI Status Codes; standard Treeview path: Change Management > Local Tables > PCI Status Codes

Based on the two checkboxes on the Maintain PCI Status Codes screen in the Change Management module, the system will calculate WIP projected forecast and WIP revenue forecast amounts. These checkboxes are applicable to external PCIs, as internal PCIs are always included.

The system will display two WIP projected forecast columns: WIP Projected Cost Forecast and WIP Projected Cost Forecast Including Risk. The PCI is included based on the checkboxes.

For the WIP Revenue Forecast and WIP Adjusted Revenue Forecast columns, maximum applied revenue will include PCI based on the 'WIP Revenue' checkbox.

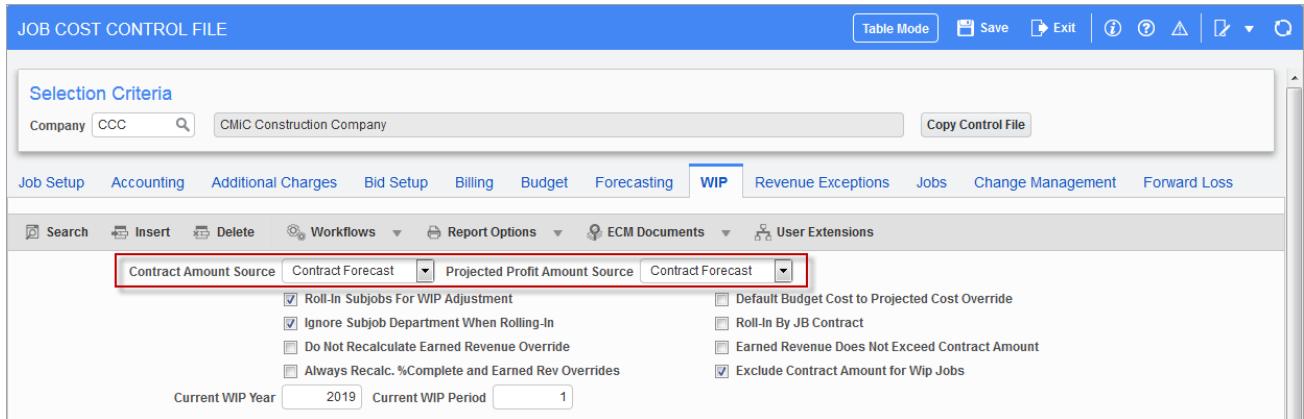
WIP Cost – Checkbox

If checked, a change order with this status will be included in Cost Forecast for WIP.

WIP Revenue – Checkbox

If checked, a change order with this status will be included in Revenue Forecast for WIP.

Job Costing Control Setup



Pgm: JCCTRLFM – Job Cost Control File; standard Treeview path: Job Costing > Setup > Local Tables > Control File – WIP tab

On the Job Cost Control File screen in the Job Costing module, users must select “Contract Forecast” in the drop-down menu for the Contract Amount Source field and the Projected Profit Amount Source field. After these selections are made, if the system alternate feature ‘WIP PROJECTED WITH RISK’ is set to ‘Yes’, the system will read projected cost forecast including pending CO with risk , if not, the system will read projected cost forecast.

The following WIP related columns are available on CMiC Field’s Contract Forecast with PCI Projections screen (as shown in the screenshot below):

- Pending PCI including Risk (Revenue)
- Pending PCI including Risk (Cost)
- WIP Projected Cost Forecast including Risk
- WIP Projected Cost Forecast
- WIP Revenue Amount
- WIP adjusted Revenue Amount

Contract Forecasting with PCI Projections - R12

Contract																		
Contract	4090M	Year	2017	Status	In Process	Filter	<input type="radio"/> Cost/Revenue	<input checked="" type="radio"/> Projected Cost	Show	<input type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines	<input type="checkbox"/> Hide	<input checked="" type="checkbox"/> Zero Projected Cost Lines	<input type="radio"/> Recoverable				
Job		Period	1							<input type="checkbox"/> Overrides Only			<input type="radio"/> Non-Recoverable	<input checked="" type="radio"/> Both				
Forecast has been refreshed																		
Bill Codes																		
N	Attr	Freeze Update	Contr...	Bill Code	Job	Phase	Name	Categ...	Type	Method	Current Cost Budget	Preca...	Pending PCI...	Pending PCI...	WIP Projected cost forecast including Risk	WIP Project...	WIP Revenue amount	WIP adjusted Revenue amount
1				4090M	4090M.01...	4090M	01-100	Blue Prints	1000	COST P	19,431.25	2,179.25	0.00	22,748.00	42,179.25	42,179.25	63,268.88	24,146.88
2				4090M	4090M.01...	4090M	01-100	Blue Prints	2000	COST A	10,000.00	3,500.00	0.00	72,572.50	88,500.00	88,500.00	132,750.00	10,000.00
3				4090M	4090M.01...	4090M	01-100	Blue Prints	3000	COST A	10,000.00	0,000.00	0.00	0.00	10,000.00	10,000.00	15,000.00	10,000.00
4				4090M	4090M.01...	4090M	01-100	Blue Prints	4000	COST A	10,000.00	0,000.00	0.00	0.00	10,000.00	10,000.00	15,000.00	10,000.00
5				4090M	4090M.01...	4090M	01-100	Blue Prints	LAB	COST R	10,000.00	3,600.04	0.00	30,525.00	209,600.04	209,600.04	367,526.14	10,000.00
6				4090M	4090M.02...	4090M	02-100	Excavation	1000	COST P	10,000.00	0,000.00	0.00	0.00	10,000.00	10,000.00	15,000.00	10,000.00
7				4090M	4090M.02...	4090M	02-100	Excavation	2000	COST A	10,000.00	0,000.00	0.00	7,172.55	10,000.00	10,000.00	15,000.00	10,000.00

Contract Forecast with PCI Projections; standard Treeview path: CMiC Field > Bid & Cost Management > Contract Forecast

These display-only columns may be secured based on role-based field security. Options are “Unrestricted” or “Hidden”. The default value is set to “Unrestricted”. In addition, the default visibility of these columns is set to not visible in the Contract Forecast Screen Configuration screen (launched from the **[Configure View]** button on the Contract Forecast with PCI Projections screen). Users must check the ‘Vsbl’ checkbox beside each of the columns for them to display on the Contract Forecast with PCI Projections screen.

Example

When there are pending PCIs with status ‘Include In Forecast’ box checked and the ‘WIP Cost’ and ‘WIP Revenue’ boxes checked, then:

Contract Forecasting with PCI Projections - R12

Contract Forecast with PCI Projections; standard Treeview path: CMiC Field > Bid & Cost Management > Contract Forecast

ENTER WIP ADJUSTMENTS

COMPANY

* Company	ZZ	CMIC Test Company	Status	Open Jobs
Job/Picklist			<input checked="" type="checkbox"/> Include Jobs With Posted WIP	
Contract	BUILD11	BUILD11	<input checked="" type="checkbox"/> Include Jobs With Forecast	
Department			<input checked="" type="checkbox"/> Include Jobs Without WIP	
* Year	2018	* Period	5	From 01-May-2018 To 31-May-2018
<input type="button" value="Display"/>				

WIP Adjustment Job Summary Department Summary Company Summary Post/Void WIP Adjustment Monthly Forecasts % Complete Annual Forecasts

View Freeze Detach Export

Select	Stored	Posted	Comp	Dept	Job	Contract override	Projected Profit	Projected Profit Override	Spent	Projected Cost	Projected Cost Override	%Complete	%Complete Override	Earned Rev
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ZZ	00	BUILD11		-231,106.80	-231,106.80	179,966.56	1,674,343.76		10.748		15
							-231,106.80	-231,106.80	179,966.56	1,674,343.76				15

Previous Period Overrides Contract Proj Profit
 Job Dept
 Dept Company Level

WIP Projected Cost updated from the Forecasting screen as shown above

Finalize Projections Store Forecast Refresh Copy Overrides Clear Overrides Populate WIP O/H Forward Loss

Pgm: JCWIP – Enter WIP Adjustment; standard Treeview path: Job Costing > Forecasting > Work-In-Process Adjustments > Enter and Post Adjustments – WIP Adjustment tab

Calculating O/H Forward Loss

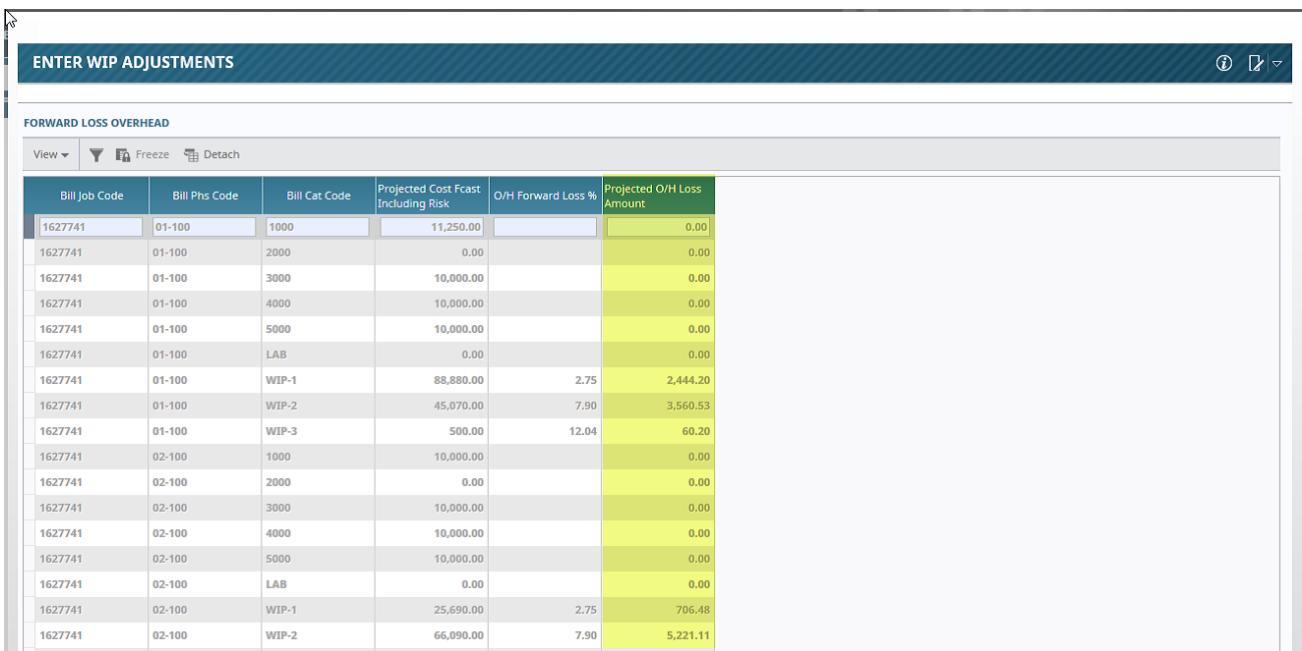
O/H forward loss is calculated regardless of whether pending PCIs exist or not and that the PCI projections are stored for the period. Users should be aware that there must be a stored contract forecast. The pop-up launched from the **[O/H Forward Loss]** button will show the calculations for posted JC transactions and then the sum is populated in the WIP record on the Contract Forecast with PCI Projections screen.

NOTE: The job should be in the loss position.

The screenshot shows the 'ENTER WIP ADJUSTMENTS' interface. At the top, there's a header bar with various icons and a 'Save' button. Below it is a 'COMPANY' section with fields for Company (ZZ), Job/Picklist (1627741), Contract (1627741 - Margin Forward Loss), Department, Year (2018), Period (5), and dates (From: 01-May-2018, To: 31-May-2018). There are also checkboxes for 'Include Jobs With Posted WIP', 'Include Jobs With Forecast', and 'Include Jobs Without WIP'. A 'Display' button is at the bottom of this section.

The main area has tabs: WIP Adjustment (selected), Job Summary, Department Summary, Company Summary, Post/Void WIP Adjustment, Monthly Forecasts, % Complete, and Annual Forecasts. Under 'WIP Adjustment', there's a grid table with columns: Select, Stored, Posted, Comp, Dept, Job, Trans. Allowed, Budget, Contract, Contract Override, Projected Profit, Projected Profit Override, Spent, Projected Cost, Projected Cost Override, %Complete, %Complete Override, and Earn. The grid shows one row with values: ZZ, 00, 1627741, checked, 642,881.97, 0.00, 0.00, 1,500.00, 0.00, 100.00. Below the grid are buttons for 'Finalize Overrides', 'Store Forecast', 'Refresh', 'Copy Overrides', 'Clear Overrides', 'Populate WIP', and the **O/H Forward Loss** button, which is highlighted with a red box.

Pgm: JCWIP – Enter WIP Adjustments; standard Treeview path: Job Costing > Forecasting > Work-In-Progress Adjustments > Enter and Post Adjustments – WIP Adjustment tab



The screenshot shows a software interface titled 'ENTER WIP ADJUSTMENTS'. At the top, there are buttons for 'View', 'Freeze', and 'Detach'. Below this is a section titled 'FORWARD LOSS OVERHEAD' containing a table with the following data:

Bill Job Code	Bill Phs Code	Bill Cat Code	Projected Cost Fcast Including Risk	O/H Forward Loss %	Projected O/H Loss Amount
1627741	01-100	1000	11,250.00		0.00
1627741	01-100	2000	0.00		0.00
1627741	01-100	3000	10,000.00		0.00
1627741	01-100	4000	10,000.00		0.00
1627741	01-100	5000	10,000.00		0.00
1627741	01-100	LAB	0.00		0.00
1627741	01-100	WIP-1	88,880.00	2.75	2,444.20
1627741	01-100	WIP-2	45,070.00	7.90	3,560.53
1627741	01-100	WIP-3	500.00	12.04	60.20
1627741	02-100	1000	10,000.00		0.00
1627741	02-100	2000	0.00		0.00
1627741	02-100	3000	10,000.00		0.00
1627741	02-100	4000	10,000.00		0.00
1627741	02-100	5000	10,000.00		0.00
1627741	02-100	LAB	0.00		0.00
1627741	02-100	WIP-1	25,690.00	2.75	706.48
1627741	02-100	WIP-2	66,090.00	7.90	5,221.11

Pop-up window launched from [O/H Forward Loss] button on the Enter WIP Adjustments screen; Pgm: JCWIP – Enter WIP Adjustments; standard Treeview path: Job Costing > Forecasting > Work-In-Progress Adjustments > Enter and Post Adjustments – WIP Adjustment

For more information, please refer to the Job Costing reference guide.

Posting Unposted Cost/Billing when Posting WIP

WIP and unposted cost/billings can either be posted together or separately. The following section describes the setup involved and each of the posting options.

Setup in System Options and Job Cost Control File

System Options

General Licenses Reports Global Financials Projects **Forecast** Assets Payroll Human Resource E-TimeSheet Help Logo Path

WIP

WIP Method: WIP Based on Cost

Notes Are Mandatory On WIP

Quarterly WIP % Complete

Use WIP Unposted Cost and Unposted Revenue

Forecasting

Allow To Store Projected % Complete Value For Each Period Within A Year

Annual Forecast Is Stored On A Period Basis

Use PCI detail Status for Contract Forecast

GC Monitor

Always Restrict To Current Rate in GC Monitor

Apply FLSA exemption rule to GC Monitor

Automatically Add Cost on GC Monitor

Auto Refresh Employee Trade Code on GC Monitor

Synchronize Resource Planning Allocation Percent When Import/Export From GC Monitor

GC Monitor Assignment Is Not Date Sensitive

Pgm: SYSOPT – System Options; standard Treeview path: System > Setup > System Options – Forecast tab

JOB COST CONTROL FILE

Table Mode Save Exit

SELECTION CRITERIA

Company: ZZ CMiC Test Company Copy Control File

Job Setup Accounting Additional Charges Bid Setup Billing Budget Forecasting **WIP** Revenue Exceptions Jobs Change Management Forward Loss

Search Insert Delete Workflows Report Options ECM Documents User Extensions

Contract Amount Source: Contract Forecast WIP Projection Projected Profit Amount Source: Contract Forecast WIP Projection

Roll-In Subjobs For WIP Adjustment

Ignore Subjob Department When Rolling-In

Do Not Recalculate Earned Revenue Override

Always Recalc. %Complete and Earned Rev Overrides

Default Budget Cost to Projected Cost Override

Roll-In By JB Contract

Earned Revenue Does Not Exceed Contract Amount

Exclude Contract Amount for Jobs

Current WIP Year: 2018 Current WIP Period: 7

WIP Cost Accrual(DR):

WIP Cost Accrual(CR):

* WIP Unposted Costs Cost Code: WIP-COST * Account: 5500.550 5500.550 WIP Unposted Cost

* WIP Unposted Costs Category: 7100C * Account: 5500.550 5500.550 WIP Unposted Cost

* WIP Unposted Costs Department: 00 * Account: 5500.550 5500.550 WIP Unposted Cost

* WIP Unposted Revenue Cost Code: WIP-BILL * Account: 4400.400 4400.400 WIP Unposted Revenue

* WIP Unposted Revenue Category: 7200B * Account: 4400.400 4400.400 WIP Unposted Revenue

* WIP Unposted Revenue Department: 00 * Account: 4400.400 4400.400 WIP Unposted Revenue

Pgm: JCCTRLFM – Job Cost Control File; standard Treeview path: Job Costing > Setup > Local Tables > Control File – WIP tab

Posting WIP and Unposted Cost/Billings Separately

Two batches will be posted, one each for unposted cost and billings.

The screenshot shows the 'ENTER WIP ADJUSTMENTS' interface. At the top, there are filters for Company (ZZ), Status (Open Jobs), and various checkboxes for job status. Below the filters, a date range from 01-Jul-2018 to 31-Jul-2018 is selected. The main area is the 'WIP Adjustment' tab, which displays a grid of data. The columns include Select, Stored, Posted, Comp, Dept, Job, Contract, Contract Override, Projected Profit, Projected Profit Override, Spent, Unposted Cost, Projected Cost, and Projected Cost Override. A specific row in the grid has its 'Unposted Cost' value (47,895.99) highlighted with a red box. At the bottom of the grid, there are buttons for Finalize Projections, Store Forecast, Refresh, Copy Overrides, Clear Overrides, Populate WIP, and O/H Forward Loss.

Pgm: JCWIP – Enter WIP Adjustments; standard Treeview path: Job Costing > Forecasting > Work-In-Progress Adjustments > Enter and Post Adjustments – WIP Adjustment tab

This screenshot is identical to the previous one, showing the 'ENTER WIP ADJUSTMENTS' screen with the 'WIP Adjustment' tab selected. The data grid is the same, but the 'Unposted Billings' column in the second row of the grid is highlighted with a red box. The bottom navigation bar includes buttons for Finalize Projections, Store Forecast, Refresh, Copy Overrides, Clear Overrides, Populate WIP, and O/H Forward Loss.

Contract Forecasting with PCI Projections - R12

ENTER WIP ADJUSTMENTS

Checked: Job WIP Adjustment Will Be Posted In The Selected Batch

COMPANY

* Company: ZZ	CMIC Test Company	Status: Open Jobs
Job/Picklist:		<input checked="" type="checkbox"/> Include Jobs With Posted WIP
Contract: 1737941	1737941 - Unposted Cost/Billings from JC WIP	<input checked="" type="checkbox"/> Include Jobs With Forecast
Department:		<input checked="" type="checkbox"/> Include Jobs Without WIP
* Year: 2018	* Period: 7	From: 01-Jul-2018 To: 31-Jul-2018
<input type="button" value="Display"/> <input type="button" value="Monthly Forecasts"/> <input type="button" value="% Complete"/> <input type="button" value="Annual Forecasts"/>		

Post/Void WIP Adjustment

Job	Name	Contract Amount	%Compl	WIP Adjustment	Unposted Cost	Unposted Billings	Post	Void
1737941	1737941 - Unposted Cost/Billings f...	760,004.56		10,655.41	47,895.99	68,965.40	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dept: 00	Company Level							
Batch:								

Process WIP **Post Unpostd Cost/Billings** Post Unpostd Cost/Billings explicitly

JC - TRANSACTION DETAIL LOG

Search

Match: All Any
 Job: 1737941
 Phase:
 Company:

Advanced | **Layout** | Saved Search | Default | **Execute** | **Reset** | **Create/Save**

Find: **Go**

Attachment	Job	Phase	Cat	Ref. Date	Type	Amount	Source Code	Reference Code	Crew Code	Quantity	WM
	1737941	01-999	1000	12-Jul-2018	C	456.00				16	DY
	1737941	02-100	1000	12-Jul-2018	C	236.00				LS	
	1737941	02-100	2000	12-Jul-2018	C	745.00				LS	
	1737941	02-200	1000	12-Jul-2018	C	456.00				NA	
	1737941	02-999	1000	12-Jul-2018	C	745.00				NA	
	1737941	03-100	1000	12-Jul-2018	C	148.00				NA	
	1737941	03-100	2000	12-Jul-2018	C	456.00				12	HR
	1737941	03-200	1000	12-Jul-2018	C	125.00				LS	
	1737941	WIP-BILL	7200B	31-Jul-2018	B	68,965.40	1737941	WIP		NA	
	1737941	WIP-COST	7100C	31-Jul-2018	C	47,895.99	1737941	WIP		NA	
	17379415	01-100	1000	12-Jul-2018	C	78.00				NA	
	17379415	01-100	2000	12-Jul-2018	C	1,150.00				10	HR
	17379415	01-101	1000	12-Jul-2018	C	148.00				NA	
	17379415	01-103	1000	12-Jul-2018	C	789.00				5	DY
	17379415	01-999	1000	12-Jul-2018	C	568.00				LS	
	17379415	02-100	1000	12-Jul-2018	C	875.00				10	HR
	17379415	02-100	2000	12-Jul-2018	C	750.00				LS	
	17379415	02-200	1000	12-Jul-2018	C	326.00				NA	
						127,275.39					

Successfully Posted from WIP Posting Program

Pgm: JCDETAIL_LOG – JC-Transaction Detail Log; standard Treeview path: Job Costing > Logs > Transaction Detail

Contract Forecasting with PCI Projections - R12

ENTER WIP ADJUSTMENTS

Checked: Job WIP Adjustment Will Be Posted In The Selected Batch

COMPANY

* Company ZZ	CMIC Test Company	Status Open Jobs
Job/Picklist		<input checked="" type="checkbox"/> Include Jobs With Posted WIP
Contract 1737941	1737941 - Unposted Cost/Billings from JC WIP	<input checked="" type="checkbox"/> Include Jobs With Forecast
Department		<input checked="" type="checkbox"/> Include Jobs Without WIP
* Year 2018	* Period 7 From 01-Jul-2018 To 31-Jul-2018	

Journal JC Job Costing
Post Date 31-Jul-2018 Print Reports
Reversal Date 01-Aug-2018 Delete Report
Total Selected WIP Adj Amt 10,655.41
Total Selected WIP Void Amt

Display Monthly Forecasts % Complete Annual Forecasts

WIP Adjustment Job Summary Department Summary Company Summary Post/Void WIP Adjustment

View Freeze Detach

Job	Name	Contract Amount	%Compl	WIP Adjustment	Unposted Cost	Unposted Billings	Post	Void
1737941	1737941 - Unposted Cost/Billings f1	760,004.56		10,655.41	47,895.99	68,965.40	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Dept 00 Company Level
Batch

Process WIP Post Unposted Cost/Billings

Process WIP

Posting WIP along with Unposted Cost/Billing Amounts

ENTER WIP ADJUSTMENTS

Checked: Job WIP Adjustment Will Be Posted In The Selected Batch

COMPANY

* Company ZZ	CMIC Test Company	Status Open Jobs
Job/Picklist		<input checked="" type="checkbox"/> Include Jobs With Posted WIP
Contract 1737941	1737941 - Unposted Cost/Billings from JC WIP	<input checked="" type="checkbox"/> Include Jobs With Forecast
Department		<input checked="" type="checkbox"/> Include Jobs Without WIP
* Year 2018	* Period 8 From 01-Aug-2018 To 31-Aug-2018	

Display Monthly Forecasts % Complete Annual Forecasts

WIP Adjustment Job Summary Department Summary Company Summary Post/Void WIP Adjustment

View Freeze Export

Select	Stored	Posted	Comp	Dept	Job	Contract Override	Projected Profit	Projected Profit Override	Spent	Unposted Cost	Projected Cost	Projected Cost Override	%Complete	%Complete Override
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ZZ	00	1737941		221,571.96		58,309.99	10,000.00	538,432.60			12.687
							221,571.96		58,309.99	10,000.00	538,432.60			

Previous Period Overrides Contract Proj Profit Unposted Cost 47,895.99 Proj Cost %Compl Earned Rev
Job 1737941 - Unposted Cost/Billings from JC WIP
Dept Company Level

Finalize Projections Store Forecast Refresh Copy Overrides Clear Overrides Populate WIP O/H Forward Loss

Pgm: JCWIP – Enter WIP Adjustments; standard Treeview path: Job Costing > Forecasting > Work-In-Progress Adjustments > Enter and Post Adjustments – WIP Adjustment

Contract Forecasting with PCI Projections - R12

ENTER WIP ADJUSTMENTS

WIP Adjustment										Job Summary	Department Summary	Company Summary	Post/Void WIP Adjustment	
										View	Freeze	Detach	Export	
Select	Stored	Posted	Comp	Dept	Job	Revenue	Earned Revenue	Earned Revenue Override	Billed	Unposted Billings	Over/Under	WIP Adjustment	Margin Forward Loss	O/H Forward Loss
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ZZ	00	1737941	1737941	96,420.26	68,309.99	68,965.40	22,000.00	22,655.41		0.00	0.00
							96,420.26	68,309.99	68,965.40	22,000.00	22,655.41			

Previous Period Overrides Contract: Proj Profit: Unposted Cost: 47,895.99 Proj Cost: %Compl: Earned Rev:
 Job: 1737941 - Unposted Cost/Billings from JC WIP Dept: Company Level

Buttons: Finalize Projections, Store Forecast, Refresh, Copy Overrides, Clear Overrides, Populate WIP, O/H Forward Loss

ENTER WIP ADJUSTMENTS

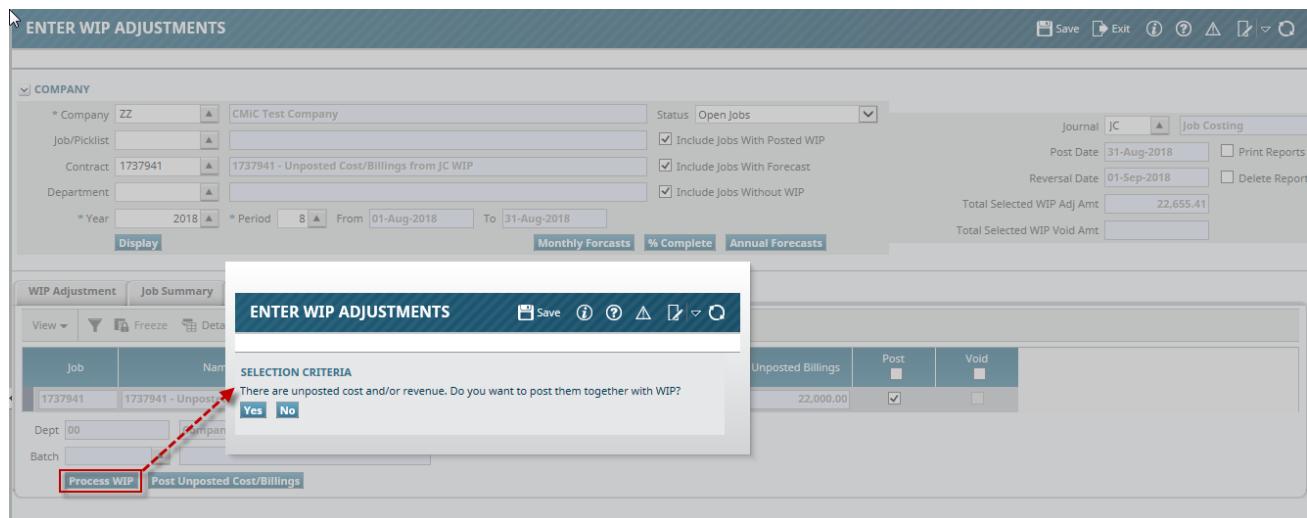
Checked: Job WIP Adjustment Will Be Posted In The Selected Batch

WIP Adjustment										Job Summary	Department Summary	Company Summary	Post/Void WIP Adjustment
										View	Freeze	Detach	
Job	Name	Contract Amount	%Compl	WIP Adjustment	Unposted Cost	Unposted Billings	Post	Void					
1737941	1737941 - Unposted Cost/Billings from JC WIP	760,004.56		22,655.41	10,000.00	22,000.00	<input checked="" type="checkbox"/>	<input type="checkbox"/>					

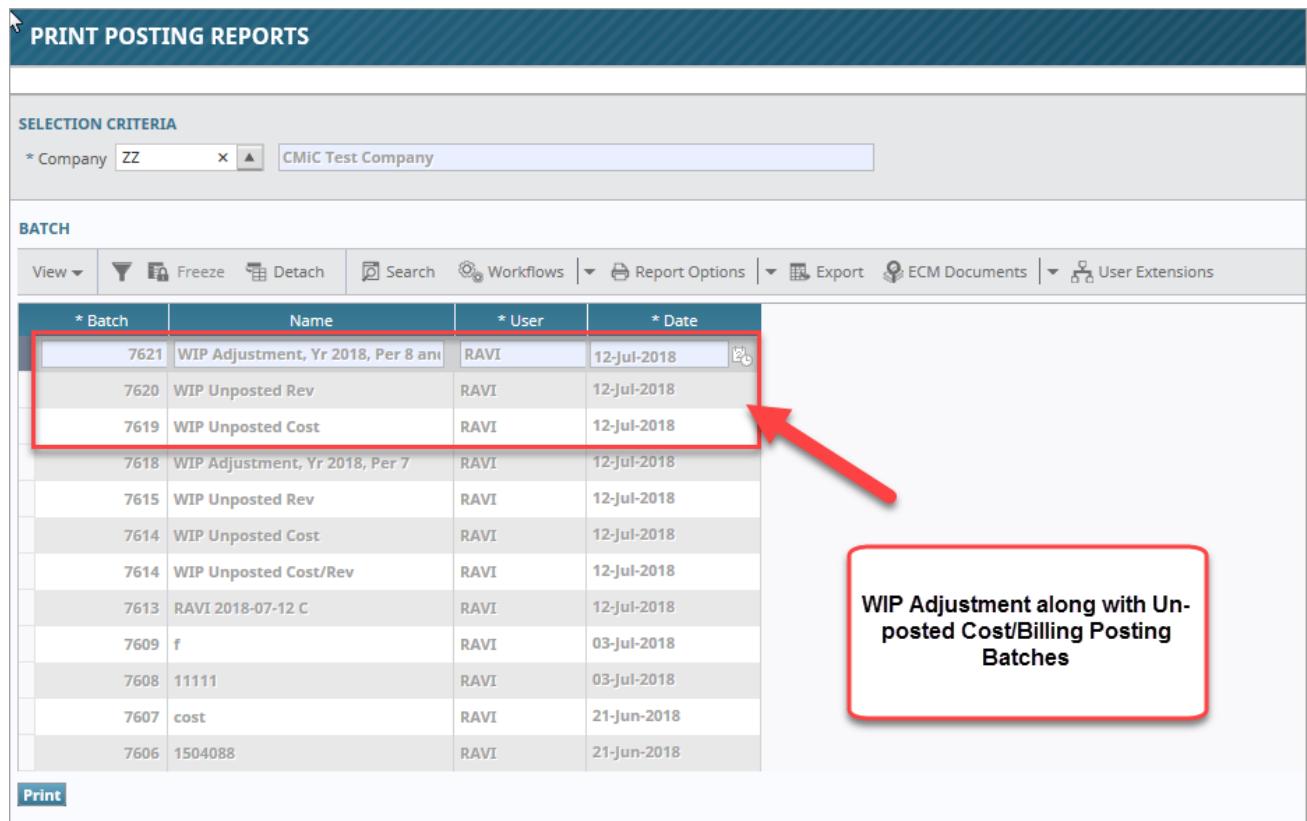
Dept: 00 Batch: Company Level

Buttons: Process WIP, Post Unposted Cost/Billings, Process WIP directly

Contract Forecasting with PCI Projections - R12



Pop-up window launched from [Process WIP] button on the Enter WIP Adjustments screen



Pgm: SYSRUN – Print Posting Reports; standard Treeview path: Job Costing > Utilities > Print Posting Reports

WIP Adjustments Over/Under Calculation

ENTER WIP ADJUSTMENTS

Company											
* Company	CCC	CMIC Construction Company	Status	Open Jobs							
Job/Picklist	1504433M	1504433M - Restrict Certain Categories in RQ & PO	<input checked="" type="checkbox"/>	Include Jobs With Posted WIP							
Contract			<input checked="" type="checkbox"/>	Include Jobs With Forecast							
Department			<input checked="" type="checkbox"/>	Include Jobs Without WIP							
* Year	2019	Period	1	From	01-Jan-2019	To	31-Jan-2019				
<input type="button" value="Display"/> <input type="button" value="Monthly Forecasts"/> <input type="button" value="% Complete"/> <input type="button" value="Annual Forecasts"/>											
<input type="button" value="WIP Adjustment"/> <input type="button" value="Job Summary"/> <input type="button" value="Department Summary"/> <input type="button" value="Company Summary"/> <input type="button" value="Post/Void WIP Adjustment"/>											
<input type="button" value="View"/> <input type="button" value="Freeze"/> <input type="button" value="Detach"/> <input type="button" value="Delete"/> <input type="button" value="Export"/>											
Select	Stored	Posted	Comp	Dept	Job	%Complete Override	GAAP Earned Revenue	IFRS Earned Revenue	Earned Revenue Override	Billed	Over/Under
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CCC	00	1504433M		0.00			0.00	100,896.96
							0.00			0.00	100,896.96

Previous Period Overrides Contract Proj Profit Unposted Cost Proj Cost %Compl Earned Rev Unposted Rev
 Job 1504433M - Restrict Certain Categories in RQ & PO
 Dept Company Level

Pgm: JCWIP – Enter WIP Adjustments; standard Treeview path: Job Costing > Forecasting > Work-In-Progress Adjustments > Enter and Post Adjustments

The Over/Under column on the Enter WIP Adjustments screen is calculated as follows:

Over/Under = (Billed Amount + Un-Posted Billings (if applicable)) – Earned Revenue (or Earned Revenue Override if exists)

Contract Forecasting - Cost to Complete Detail Pop-Up

Indicates one of the following:

1. Cost to Complete detail lines have been entered
2. Cost to Complete amount has been manually overridden

Opens pop-up for Cost Detail, Productivity/Units, or Labor Forecast

Cost Type	Type	Budget	Spent/Com...	Actual Cost			PCI	Pending External PCI	Pending CO (Incl. Risk)	Cost to Complete	ECAC
10	COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20,000.00	20,000.00
3	COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,000.00	5,000.00
A	COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42,000.00	42,000.00
B	COST	0.00	33,262.80	33,262.80	0.00	0.00	0.00	0.00	0.00	64,160.00	97,422.80
L	COST	5,000.00	41,540.00	41,540.00	0.00	40,000.00	581,300.00	40,000.00	581,300.00	621,300.00	0.00
1	COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Contract Forecast with PCI Projections; standard Treeview path: CMiC Field > Budget & Cost Management > Contract Forecast – Cost to Complete Column

The fields in the Cost to Complete column in the Contract Forecast with PCI Projections screen allow user overrides as required. In order to provide more details with multiple records on the components that necessitated the overrides, a pop-up window is available as well. The pop-up window is accessible by clicking on the search icon in the column next to the Cost to Complete column. The type of pop-up window that is launched depends on a system-wide configuration and affects all projects under all companies.

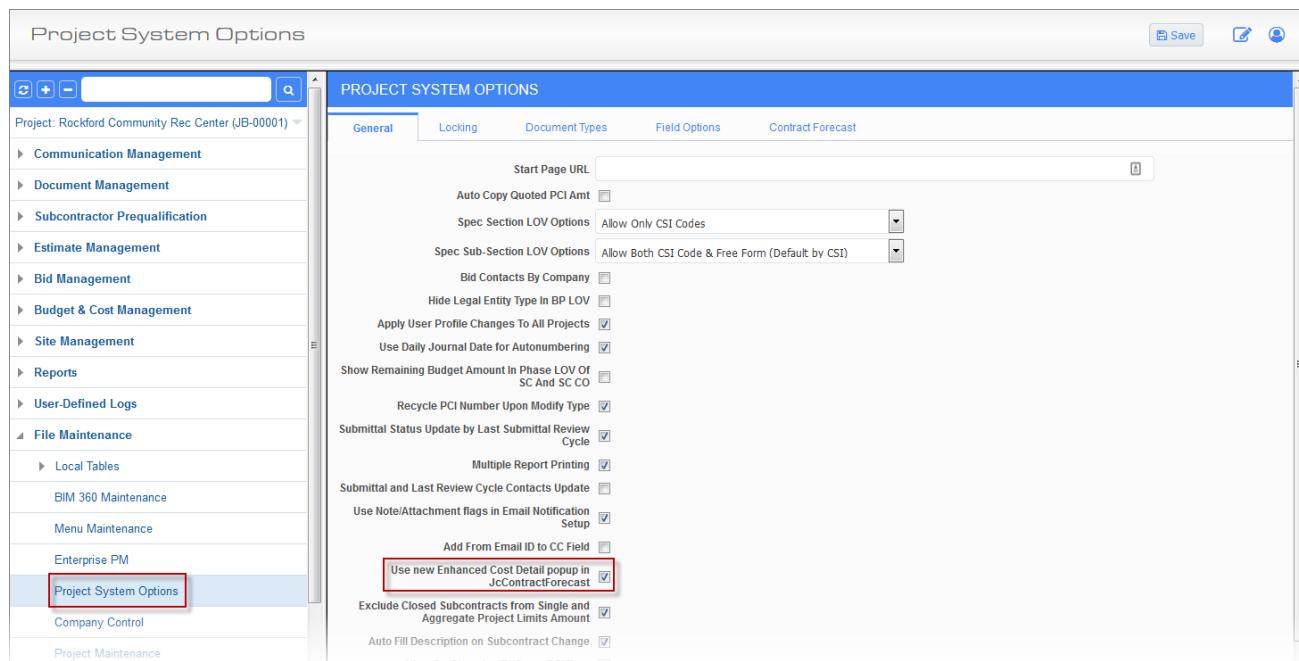
Depending on the configuration, the following pop-up windows are available to be launched:

- Cost Detail pop-up
 - Standard Cost Detail pop-up
 - Enhanced Cost Detail pop-up
- Productivity/Units pop-up
- Labor Forecast pop-up

- GC Monitor pop-up
- Labor Forecast pop-up

Cost Detail Pop-Up

The Cost Detail pop-up is applicable to bill codes with budget method 'Amounts' (A) only. The Cost Detail pop-up also has a variant that can be set with the 'Use new Enhanced Cost Detail pop-up in JcContractForecast' checkbox on the Project System Options screen, as shown below.



Project System Options; standard Treeview path: CMiC Field > File Maintenance > Project System Options – General tab

If the checkbox is unchecked, the Standard Cost Detail pop-up will be used. If the checkbox is checked, the Enhanced Cost Detail pop-up will be used.

The following sections describe the Standard and Enhanced Cost Detail pop-up windows in more detail.

NOTE: A description must be entered in the Description field of the Cost Detail pop-up, otherwise an error message will be issued upon saving, indicating that a description must be entered.

Standard Cost Detail Pop-Up

COST DETAIL

		Save	Cancel	
Previous	Next			
Phase 02-4120 - Concrete Demo				
Category 2000 - Subcontract				
Current Budget Amount	Standard Cost Detail Pop-up			25,000.00
Spent/Committed To Date				30,000.00
Pending PCI Cost To Complete				0.00
Spent/Committed Total				30,000.00
Description	Quantity	WM*	Rate	Projected To Complete
Simple Cost Detail-1	5.00	LS	10	50.00
Simple Cost Detail-2	10.00	NA	10	100.00
			Total Cost To Complete	150.00
			Projected Cost Forecast	30150.00
			Projected Variance	-5150.00
			Save	Cancel

Standard Cost Detail pop-up

The Standard Cost Detail pop-up will be used if the Project System Options checkbox ‘Use new Enhanced Cost Detail popup in JcContractForecast’ is unchecked.

The Standard Cost Detail pop-up can be used to add multiple details of components that make up the overrides. Saving and closing the pop-up automatically refreshes the main forecasting screen to reflect the updated Cost to Complete value.

Contract Forecasting with PCI Projections - R12

Contract

Contract	1504087M	Year	2018	Status	In Process	Filter	<input checked="" type="radio"/> Cost/Revenue	Show	<input type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines	Hide	<input checked="" type="checkbox"/> Zero Projected Cost Lines	Rows	<input type="radio"/> Recoverable	<input type="radio"/> Non-Recoverable	<input checked="" type="radio"/> Both	Go			
Job		Period	7	Forecast has been refreshed																
Bill Codes																				
N	Att	Freeze Update	Contract C...	Bill Code	Job	Phase	Name	Category	Type	Meth...	Saving Pending PCI At Compl	Pending CO (Incl. Risk)	Projected Cost Budget	Spent/Com... (Pending CO)	Cost to Complete	Projected Cost Forecast	Cost Variance	Cost To Co... (Pending CO)	Proj C (Incl. F)	
<input type="checkbox"/>			1504087M	1504087M.01-100.1000	1504087M	01-100	Blue Prints	1000	COST	P	N	0.00	9,500.00	9,500.00	10,000.00	5,530.21 ▲	11,129.18	-11,129.18	0.00	
<input type="checkbox"/>			1504087M	1504087M.01-100.2000	1504087M	01-100	Blue Prints	2000	COST	U	N	0.00	19,000.00	29,000.00	21,300.00	10,000.00 ▲	10,000.00	0.00	0.00	
<input type="checkbox"/>			1504087M	1504087M.01-100.3000	1504087M	01-100	Blue Prints	3000	COST	A	N	0.00	0.00	10,000.00	0.00	1,803.60 ▲ ✓	1,803.59	✓	8,196.41	0.00
<input type="checkbox"/>			1504087M	1504087M.01-100.4000	1504087M	01-100	Blue Prints	4000	COST	A	N	0.00	0.00	20,000.00	0.00	560.35 ▲ ✓	10,560.35	✓	9,419.65	0.00
<input type="checkbox"/>			1504087M	1504087M.01-100.5000											3,810.30 ▲ ✓	3,689.70	✓	6,310.30	0.00	
<input type="checkbox"/>			1504087M	1504087M.02-100.100											10,000.00 ▲	10,000.00	0.00	0.00	0.00	
<input type="checkbox"/>			1504087M	1504087M.02-100.200											10,000.00 ▲	10,000.00	0.00	0.00	0.00	
<input checked="" type="checkbox"/>			1504087M	1504087M.02-100.300											5,051.56 ▲ ✓	5,051.56	✓	4,946.44	0.00	
<input checked="" type="checkbox"/>			1504087M	1504087M.02-100.400											5,876.36 ▲ ✓	5,876.36	✓	15,678.36	0.00	
<input checked="" type="checkbox"/>			1504087M	1504087M.02-100.500											5,821.36 ▲ ✓	1,678.64	✓	8,321.36	0.00	
<input type="checkbox"/>			1504087M	1504087M.03-100.200											-5,832.10 ▲ ✓	-5,832.10	✓	5,632.10	0.00	
<input type="checkbox"/>			1504087M	1504087M.03-100.900											0.00	0.00	0.00	0.00	0.00	
<input type="checkbox"/>			1504087M	1504087M.01-100.100											10,000.00 ▲	10,000.00	0.00	0.00	0.00	
<input type="checkbox"/>			1504087M	1504087M.01-100.200											0.00	10,000.00	0.00	0.00	0.00	
<input type="checkbox"/>			1504087M	1504087M.01-100.300											0.00	10,000.00	0.00	0.00	0.00	
<input type="checkbox"/>			1504087M	1504087M.01-100.400											0.00	10,000.00	0.00	0.00	0.00	
<input type="checkbox"/>			1504087M	1504087M.01-100.500											0.00	10,000.00	0.00	0.00	0.00	
<input type="checkbox"/>			1504087M	1504087M.02-100.100											0.00	17,500.00	-7,500.00	0.00	0.00	
<input type="checkbox"/>			1504087M	1504087M.02-100.100											0.00	10,000.00	0.00	0.00	0.00	
<input type="checkbox"/>			1504087M	1504087M.02-100.200											0.00	10,000.00	0.00	0.00	0.00	
<input type="checkbox"/>			1504087M	1504087M.02-100.300											0.00	10,000.00	0.00	0.00	0.00	
<input type="checkbox"/>			1504087M	1504087M.02-100.400											0.00	10,000.00	0.00	0.00	0.00	
<input type="checkbox"/>			1504087M	1504087M.02-100.500											0.00	17,500.00	-7,500.00	0.00	0.00	
Shared Savings:															Save	Cancel				
Lump Sum:															Save	Cancel				
Phase Total:															Save	Cancel				

The system calculates the Projected Cost Forecast column based on the Qty/Rate provided and the sum of the projected cost amount will be populated in the main forecasting screen upon Save/Refresh.

PCI Projections

Contract																					
Contract	FORECAST2	Job		Year	2015	Period	3	Filter	<input checked="" type="radio"/> Cost/Revenue	Show	<input type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines	Hide	<input checked="" type="checkbox"/> Zero Projected Cost Lines	Comments	Clear Overrides	Store Forecast	Refresh	Contract Summary	Notes	At
Bill Codes																					
Time Phased		Freeze Update	Bill Code	Contract Code	Job	Phase	Name	Category	Phase Type	committed CO)	Cost to Complete			Projected Cost Forecast	Cost Variance						
			FORECAST2.02...	FORECAST2	FORECAST2	02-100	Structural Demolit...	1000			0.00	100,000.00	▲		100,000.00						
			FORECAST2.02...	FORECAST2	FORECAST2	02-100	Structural Demolit...	3000			0.00	100,000.00	▲		100,000.00						
•			FORECAST2.02...	FORECAST2	FORECAST2	02-100	Structural Demolit...	4000			0.00	100,000.00	▲		100,000.00						
•			FORECAST2.02...	FORECAST2	FORECAST2	02-100	Structural Demolit...	5000			0.00	100,000.00	▲		100,000.00						
•			FORECAST2.02...	FORECAST2	FORECAST2	02-100	Structural Demolit...	NR			0.00	25,000.00	▲		25,000.00						
•			FORECAST2.03...	FORECAST2	FORECAST2	03-100	Structural Concrete	1000			0.00	100,000.00	▲		100,000.00						
•			FORECAST2.03...	FORECAST2	FORECAST2	03-100	Structural Concrete	3000			0.00	100,000.00	▲		100,000.00						
•			FORECAST2.03...	FORECAST2	FORECAST2	03-100	Structural Concrete	4000			0.00	13,750.00	▲ ✓		13,750.00	✓					86,250.00
•			FORECAST2.03...	FORECAST2	FORECAST2	03-100	Structural Concrete	5000			0.00	100,000.00	▲		100,000.00						
•			FORECAST2.03...	FORECAST2	FORECAST2	03-100	Structural Concrete	NR			0.00	25,000.00	▲		25,000.00						
			Totals:								0.00	763,750.00			763,750.00						86,250.00

If an override is made to the Cost to Complete column in the main forecasting screen when Cost Detail pop-up overrides exist, a message will be issued and upon confirmation, the details will be deleted as well.

Contract Forecasting with PCI Projections - R12

Contract

Contract	FORECAST2	Job	2015	Period	3	Filter	Cost/Revenue <input checked="" type="radio"/> Projected Cost	Show	Zero Cost Lines <input type="checkbox"/>	Zero Cost and Revenue Lines <input checked="" type="checkbox"/>	Hide	<input checked="" type="checkbox"/> Zero Projected C	
Bill Codes													
Time Phased		Freeze Update	Bill Code	Contract Code	Job	Phase	Name	Category	Phase Type	Committed (CO)	Cost to Complete		Projected Cost Forecast
			FORECAST2.02...	FORECAST2	FORECAST2	02-100	Structural Demolit...	1000			0.00	100,000.00	100,000.00
			FORECAST2.02...	FORECAST2	FORECAST2	02-100	Structural Demolit...	3000			0.00	100,000.00	100,000.00
			FORECAST2.02...	FORECAST2	FORECAST2	02-100	Structural Demolit...	4000			0.00	100,000.00	100,000.00
			FORECAST2.02...	FORECAST2	FORECAST2	02-100	Structural Demolit...	5000			0.00	100,000.00	100,000.00
			FORECAST2.03...	FORECAST2	FORECAST2	02-100	Structural Demolit...	NR			0.00	25,000.00	25,000.00
			FORECAST2.03...	FORECAST2	FORECAST2	03-100	Structural Concrete	1000			0.00	100,000.00	100,000.00
			FORECAST2.03...	FORECAST2	FORECAST2	03-100	Structural Concrete	3000			0.00	100,000.00	100,000.00
			FORECAST2.03...	FORECAST2	FORECAST2	03-100	Structural Concrete	4000			0.00	29750	13,750.00 ✓
			Totals:										100,000.00
													25,000.00
													763,750.00

Message from webpage

This override will delete Cost to Complete detail lines entered in the popup. Do you wish to continue?

OK **Cancel**

NOTE: If an override is entered on a line in the Cost to Complete column on the Contract Forecast with PCI Projections screen, and then the 'Copy Last Stored Forecast' box is checked on the Forecasting tab of the Job Cost Control File, the initial override performed on the Contract Forecast with PCI Projections screen will not be brought forward to the next period unless it is re-entered and committed. Any overrides performed using the Cost Detail pop-up will be carried forward to the next period.

Enhanced Cost Detail Pop-Up

COST DETAIL										
Previous Next		Phase 02-4120 - Concrete Demo Category 2000 - Subcontract Current Budget Amount 25,000.00 Spent/Committed To Date 30,000.00 Pending PCI Cost To Complete 0.00 Spent/Committed Total 30,000.00								
		Enhanced Cost Detail Pop-up								
Description	Burdened Rate	Quantity Of Rate	Frequency*	From Date	To Date	Rem. Duration	Cost To Complete			
Enhanced Cost Detail-1	10	5.00	DY	01-Oct-2018	31-Oct-2018	31	1550.00			
Enhanced Cost Detail-2	10	10.00	WK	01-Oct-2018	31-Oct-2018	4.4285714	442.86			
Enhanced Cost Detail-3	10	15.00	MO	01-Oct-2018	31-Oct-2018	.96774193	145.16			
Total Cost To Complete 2138.02 Projected Cost Forecast 32138.02 Projected Variance -7138.02										

Enhanced Cost Detail pop-up

The Enhanced Cost Detail pop-up will be launched if the Project System Options checkbox ‘Use new Enhanced Cost Detail popup in JcContractForecast’ is checked.

The Enhanced Cost Detail pop-up allows multiple details of overrides with Burdened Rate, Quantity of Rate, Frequency, and From/To Dates fields. The system then calculates the Cost to Complete amount and upon Save/Refresh, updates the contract forecasting main screen.

The Frequency column is a required column in this pop-up window. The frequency may be selected logically with calendar types as “HR/DY/MO/YR” from the weight measures LOV. If selecting any other weight measure that is not a calendar type weight measure, then the system will assume a factor of 1 and simply calculate as Burdened Rate x Quantity of Rate as the Cost To Complete value.

NOTE: Users must define Weight Measures as HR/DY/MO/YR in order for the calendar function to work.

Date Defaults

The From Date/To Date field default values may be selected for each of the Cost Detail records as required. A Search icon next to the Calendar icon allows users to select the

Contract Forecasting with PCI Projections - R12

date as shown. Users may move the mouse pointer to get the display of the date value for each of the options and select accordingly.

The screenshot shows the 'COST DETAIL' screen for Phase 02-4120 - Concrete Demo. The 'From Date' field in the table is highlighted with a red box. A pop-up window titled 'Cost Detail - From Date Defaults...' is displayed, showing the current pay period as 'Current Pay Period'. The 'From Date' field in the main table also has a red box around it.

Description	Quantity Of Rate	Burdened Rate	Frequency*	From Date	To Date	Rem. Duration	Cost To Complete
Enhanced Cost Detail-1	5.00	10	DY	28-Jan-2019		1	50.00
Enhanced Cost Detail-2	10.00	10	WEEK			1	100.00
Enhanced Cost Detail-3	15.00					1	150.00

Total Cost To Complete: 300.00
Projected Cost Forecast: 39768.75
Projected Variance: -14768.75

Cost Detail Pop-Up - From Date Defaults

The screenshot shows the 'COST DETAIL' screen for Phase 02-4120 - Concrete Demo. The 'To Date' field in the table is highlighted with a red box. A pop-up window titled 'Cost Detail - To Date Defaults...' is displayed, showing the current final completion date as 'Current Final Completion Date'. The 'To Date' field in the main table also has a red box around it.

Description	Quantity Of Rate	Burdened Rate	Frequency*	From Date	To Date	Rem. Duration	Cost To Complete
Enhanced Cost Detail-1	5.00	10	DY	28-Jan-2019	01-Feb-2019	1	50.00
Enhanced Cost Detail-2	10.00	10	WEEK			1	100.00
Enhanced Cost Detail-3	15.00					1	150.00

Total Cost To Complete: 300.00
Projected Cost Forecast: 39768.75
Projected Variance: -14768.75

Cost Detail Pop-Up - To Date Defaults

For example, date defaults could be used to retrieve overrides in a new period in 2016/12 to bring in the CTC amount as per the date setup.

Contract Forecasting with PCI Projections - R12

Contract													
Contract		Year		Status	Filter	Cost/Revenue	Show	Zero Cost Lines					
Contract	1504087M	Year	2016	In Process	Job	Period	11	Projected Cost	Zero Cost Lines	Zero Cost and Revenue Lines	Overrides Only		
Bill Codes													
	Freeze Update	Bill Code	Job	Phase	Name	Category	Type	Spent/Com... (Pending CO)	Cost to Complete		Projected Cost Forecast		Cost Variance
	<input type="checkbox"/>	1504087M.01-10...	1504087M	01-100	Blue Prints	1000	COST 00	10,000.00	3,175.68	▲	5,274.65		-5,274.65
	<input type="checkbox"/>	1504087M.01-10...	1504087M	01-100	Blue Prints	2000	COST 00	21,300.00	10,000.00	▲ ✓	10,000.00	✓	0.00
	<input type="checkbox"/>	1504087M.01-10...	1504087M	01-100	Blue Prints	3000	COST 00	0.00	126,288.07	▲ ✓	126,288.07	✓	-116,288.07
	<input type="checkbox"/>	1504087M.01-10...	1504087M	01-100	Blue Prints	4000	COST 00	10,000.00	10,000.00	▲	10,000.00		0.00
	<input type="checkbox"/>	1504087M.01-10...	1504087M	01-100	Blue Prints	5000	COST 00	0.00	2,500.00	▲	10,000.00		0.00
	<input type="checkbox"/>	1504087M.02-10...	1504087M	02-100	Excavation	1000	COST 00	0.00	10,000.00	▲	10,000.00		0.00
	<input type="checkbox"/>	1504087M.02-10...	1504087M	02-100	Excavation	2000	COST 00	0.00	10,000.00	▲	10,000.00		0.00
	<input type="checkbox"/>	1504087M.02-10...	1504087M	02-100	Excavation	3000	COST 00	0.00	10,000.00	▲	10,000.00		0.00
	<input type="checkbox"/>	1504087M.02-10...	1504087M	02-100	Excavation	4000	COST 00	0.00	10,000.00	▲	10,000.00		0.00
	<input type="checkbox"/>	1504087M.02-10...	1504087M	02-100	Excavation	5000	COST 00	0.00	2,500.00	▲	10,000.00		0.00
	<input type="checkbox"/>	1504087S.01-100...	1504087S	01-100	Blue Prints	1000	COST 00	0.00	10,000.00	▲	10,000.00		0.00
	<input type="checkbox"/>	1504087S.01-100...	1504087S	01-100	Blue Prints	2000	COST 00	0.00	10,000.00	▲	10,000.00		0.00

Contract Forecasting with PCI Projections - R12

Contract Forecast with PCI Projections

Contract: 1504087M Year: 2016 Status: In Process Filter: Cost/Revenue Show: Zero Cost Lines, Zero Cost and Revenue Lines, Overrides Only

Period: 11

Bill Codes											
	Freeze Update	Bill Code	Job	Phase	Name	Category	Type	Spent/Com... (Pending CO)	Cost to Complete	Projected Cost Forecast	Cost Variance
<input type="checkbox"/>		1504087M.01-10...	1504087M	01-100	Blue Prints	1000	COST 00	10,000.00	3,175.68 ▲	5,274.65	-
<input type="checkbox"/>		1504087M.01-10...	1504087M	01-100	Blue Prints	2000	COST 00	21,300.00	10,000.00 ▲ ✓	10,000.00 ✓	-
<input type="checkbox"/>		1504087M.01-10...	1504087M	01-100	Blue Prints	3000	COST 00	0.00	126,288.07 ▲ ✓	126,288.07 ✓	-11
<input type="checkbox"/>		1504087M.01-10...	1504087M	01-100	Blue Prints	4000	COST 00	10,000.00	10,000.00 ▲	10,000.00	-

B	Medical Type	Subguard	Business Unit	Burdened Rate	Quantity Of Rate	Frequency	From Date	To Date	Rem. Duration	Cost To Complete	
	ZZCHK	<input type="button" value="▲"/>	<input type="button" value="▲"/>	<input type="button" value="▲"/>	12.99	99.07	MO <input type="button" value="▲"/>	120116 <input type="button" value="▲"/>	<input type="button" value="▲"/>	123120 <input type="button" value="▲"/>	49 <input type="button" value="▲"/>
	ZZCHK	<input type="button" value="▲"/>	<input type="button" value="▲"/>	<input type="button" value="▲"/>	20	10	WK <input type="button" value="▲"/>	120116 <input type="button" value="▲"/>	<input type="button" value="▲"/>	123120 <input type="button" value="▲"/>	213.1 <input type="button" value="▲"/>
	ZZCHK	<input type="button" value="▲"/>	<input type="button" value="▲"/>	<input type="button" value="▲"/>	12.93	1.07	DY <input type="button" value="▲"/>	120116 <input type="button" value="▲"/>	<input type="button" value="▲"/>	123120 <input type="button" value="▲"/>	1492 <input type="button" value="▲"/>
											Total Cost To Complete: 126288.07
											Projected Cost Forecast: 126288.07
											Projected Variance: -116288.07

Save **Cancel**

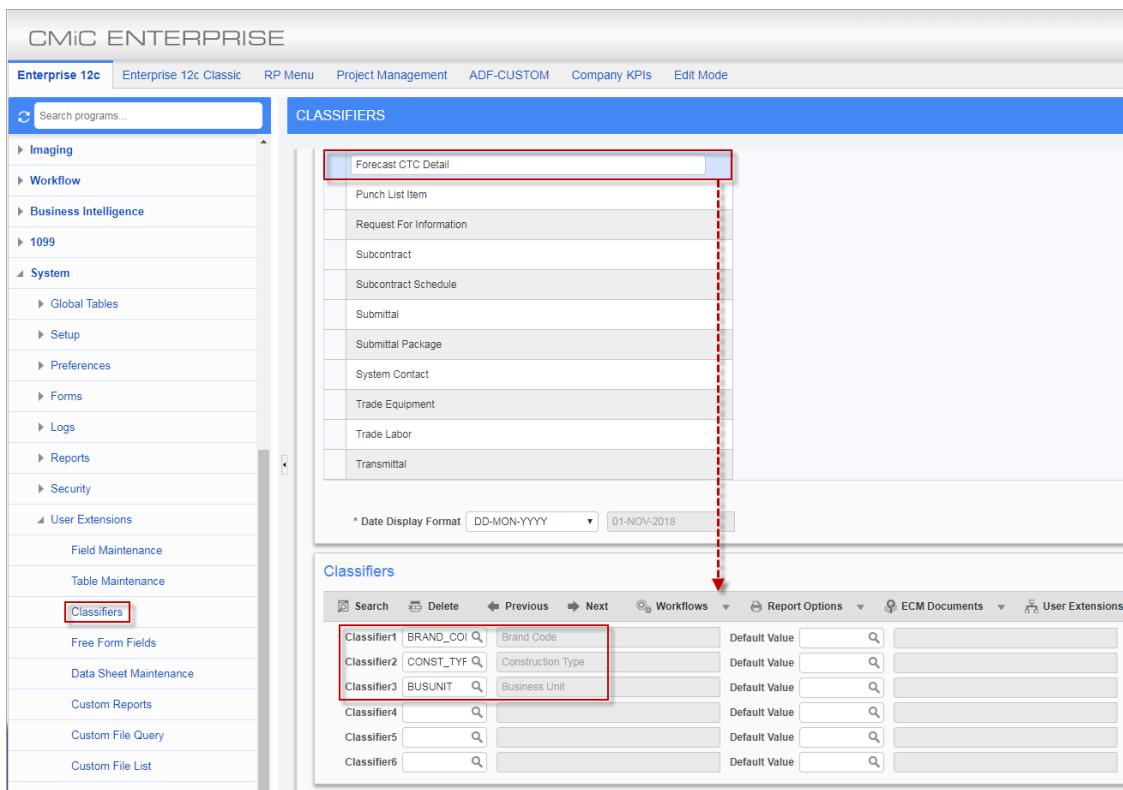
Contract Forecasting with PCI Projections - R12

Contract																	
Contract	1504087M	Year	2016	Status	In Process	Filter	<input checked="" type="radio"/> Cost/Revenue	<input type="radio"/> Projected Cost	Show	<input checked="" type="checkbox"/> Zero Cost Lines <input checked="" type="checkbox"/> Zero Cost and Revenue Lines <input type="checkbox"/> Overrides Only							
Job		Period	12														
Overrides have been retrieved																	
Bill Codes																	
	Freeze Update	Bill Code	Job	Phase	Name	Category	Type	Ending CO Incl. Risk)	Projected Cost Budget	Spent/Com... (Pending CO)	Cost to Complete		Projected Cost Forecast	Cost Variance			
	<input type="checkbox"/>	1504087M.01-10...	1504087M	01-100	Blue Prints	1000	COST	9,500.00	9,500.00	10,000.00	3,175.68	▲	5,274.65	-5,274.65			
	<input type="checkbox"/>	1504087M.01-10...	1504087M	01-100	Blue Prints	2000	COST	19,000.00	29,000.00	21,300.00	10,000.00	▲ ✓	10,000.00	0.00			
	<input type="checkbox"/>	1504087M.01-10...	1504087M	01-100	Blue Prints	3000	COST	0.00	10,000.00	0.00	12,300.51	▲ ✓	126,288.07	✓ -116,288.07			
	<input type="checkbox"/>	1504087M.01-10...	1504087M	01-100	Blue Prints	4000	COST	9,500.00	19,500.00	10,000.00	10,000.00	▲	10,000.00	0.00			
	<input type="checkbox"/>	1504087M.01-10...	1504087M	01-100	Blue Prints	5000	COST	7,500.00	17,500.00	0.00	2,500.00	▲	10,000.00	0.00			
	<input type="checkbox"/>	1504087M.02-10...	1504087M	02-100	Excavation	1000	COST	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00			
	<input type="checkbox"/>	1504087M.02-10...	1504087M	02-100	Excavation	2000	COST	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00			
	<input type="checkbox"/>	1504087M.02-10...	1504087M	02-100	Excavation	3000	COST	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00			
	<input type="checkbox"/>	1504087M.02-10...	1504087M	02-100	Excavation	4000	COST	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00			
	<input type="checkbox"/>	1504087M.02-10...	1504087M	02-100	Excavation	5000	COST	7,500.00	17,500.00	0.00	2,500.00	▲	10,000.00	0.00			
	<input type="checkbox"/>	1504087S.01-100...	1504087S	01-100	Blue Prints	1000	COST	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00			
	<input type="checkbox"/>	1504087S.01-100...	1504087S	01-100	Blue Prints	2000	COST	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00			
	<input type="checkbox"/>	1504087S.01-100...	1504087S	01-100	Blue Prints	3000	COST	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00			
	<input type="checkbox"/>	1504087S.01-100...	1504087S	01-100	Blue Prints	4000	COST	0.00	10,000.00	0.00	10,000.00	▲	10,000.00	0.00			
	<input type="checkbox"/>	1504087S.01-100...	1504087S	01-100	Blue Prints	5000	COST	7,500.00	17,500.00	0.00	2,500.00	▲	10,000.00	0.00			
	<input type="checkbox"/>	1504087S.02-100...	1504087S	02-100	Excavation	1000	COST	9,500.00	19,500.00	10,000.00	10,000.00	▲	10,000.00	0.00			
	<input type="checkbox"/>	1504087S.02-100...	1504087S	02-100	Excavation	2000	COST	9,500.00	19,500.00	10,000.00	10,000.00	▲	10,000.00	0.00			
	<input type="checkbox"/>	1504087S.02-100...	1504087S	02-100	Excavation	3000	COST	9,500.00	19,500.00	10,000.00	10,000.00	▲	10,000.00	0.00			
	<input type="checkbox"/>	1504087S.02-100...	1504087S	02-100	Excavation	4000	COST	9,500.00	19,500.00	10,000.00	10,000.00	▲	10,000.00	0.00			
	<input type="checkbox"/>	1504087S.02-100...	1504087S	02-100	Excavation	5000	COST	7,500.00	17,500.00	0.00	2,500.00	▲	10,000.00	0.00			
Totals:								106,000.00	296,000.00	81,300.00	276,862.23		311,562.72	-121,562.72			

User-Defined Classifiers

Users can add user-defined classifiers to the Cost Detail pop-up using the Forecast CTC Detail object on the Classifiers screen in the System Data module. Adding classifiers allows custom reporting to be more detailed.

Contract Forecasting with PCI Projections - R12



Pgm: PMCLSMF – Classifiers; standard Treeview path: System > User Extensions > Classifiers – Forecast CTC Detail

Classifiers added in the System Data module's Classifiers screen will be available for user entry in the Cost Detail pop-up on the CMiC Field Contract Forecast with PCI Projections screen. Users can enter values in these classifier columns and use those values for any custom reporting purposes.

Contract Forecasting with PCI Projections - R12

CONTRACT

Contract	1504433M	Year	2018	Status	In Process	Filter	<input checked="" type="radio"/> Cost/Revenue	Show	<input checked="" type="checkbox"/> Zero Cost Lines	<input type="checkbox"/> Zero Cost and Revenue Lines	Hide	<input checked="" type="checkbox"/> Zero Projected Cost Lines	Rows	<input checked="" type="radio"/> Recoverable
Job		Period	9				<input type="radio"/> Projected Cost						<input type="radio"/> Non-Recoverable	

Forecast has been refreshed

BILL CODES (FILTERED)

Freeze	Bill Code	Job	Job Name	Phase	Name	Category	Type	Spent/Com... Against Base Contract	Pending Internal PCI	Pending PCI Cost To Co...	Pending External PCI Cost To Co...	Pending CO (Incl. Risk)	Pending CO Projected Cost Budget	Spent/Com... (Pending CO)	Cost to Complete
Update	testv12.cmic.ca:8888/cmictest12/c/ContractForecast1/showCostDetail.do?forecastOraseq=5758749&periodIsUpdateable=Y&compCode=CCC&contCode=1504433M&yr=2018&per=9&freezeFlag=N&forecastAmt=45896.96&var...														

COST DETAIL

Phase 02-4120 - Concrete Demo
Category 2000 - Subcontract

Current Budget Amount	25,000.00											
Spent/Committed To Date	30,000.00											
Pending PCI Cost To Complete	0.00											
Spent/Committed Total	30,000.00											
Description	Brand	Construction Type	Business Unit	Quantity	WM*	Rate	Projected To Complete					
Simple Cost Detail-1	CC	010	Q	00	Q	5.00	LS	Q	10	50.00		
Simple Cost Detail-2	CC	020	Q	00	Q	10.00	NA	Q	10	100.00		
												

Contract Forecast with PCI Projections; standard Treeview path: CMiC Field > Budget & Cost Management > Contract Forecasting

Contract Forecasting - Productivity/Units Pop-Up

PRODUCTIVITY/UNITS

				Save	Cancel	
Phase 02-4120 - Concrete Demo						
Category 1000 - Labor						
	Output		Input			
		WM	\$	Units	WM	
	Budgeted	0	NA	25,000.00	250	HR
	Complete	25000	NA	0.00	0	HR
	Projected	25000	NA	0	0	HR
Remaining	0.0	NA	0.0	0.0	HR	
	Budgeted	Current	Go Forward Override			
	Input Rate	100.00	0.00	\$ / HR		
	Output Rate	0.00	0.00	\$ / NA		
	Productivity			NA / HR		
	Yield			HR / NA		
Estimate To Complete	25,000.00	25,000.00	0.00			
Projected Cost	25,000.00	25,000.00	0.00			

Productivity/Units pop-up

When not using Labor functionality, or when a Category's 'Available On GC Monitor' checkbox is not checked, and its Default Forecast Method field set to "Productivity" or "Units", the Cost to Complete pop-up will bring up the standard JSP Productivity/Units pop-up.

The productivity forecast screen allows analysis of this relationship in terms of the dollars and quantities needed to complete an output unit. Based on the information provided, productivity can then be analyzed to see where the actual progress may be out of line with the estimates.

Users can update input units as well as the input amount. If desired, they can update the input amount value and the system will prompt the user to use the described formulas for recalculating, or, they can select to modify the input amount and not update any other values based on this change.

This pop-up also allows negative values for Amount and Unit fields. For example, if the user was budgeted to install ten manholes but did not anticipate they would have to demolish two of the existing manholes. Negative output units allow the user to enter “-2” after demolishing the two manholes. As a result, the pop-up would show twelve manholes remaining, and the productivity and unit cost would be negative, meaning that the crew would need to perform efficiently to overcome the negative initial values.

When overriding the Cost to Complete column in the Contract Forecast with PCI Projection screen, when budget method is P or U, the overridden values will be re-calculated in the Productivity/Units pop-up window.

If the 'Include Pending PCI to P/U Line' checkbox is checked in the Project System Options screen of CMiC Field, the cost code quantity, amounts, and category units from an unposted PCI (pending PCI) is populated in the Budgeted and Projected Output and Input Unit fields of the Productivity/Units pop-up window. See the Contract Forecast - Tab sub-section of the Project System Options section in the CMiC Field guide for more details.

If the 'Include Pending PCI to P/U Line' checkbox is unchecked and pending PCIs exist with Phase Qty (Output), the Productivity/Units pop-up will not include them in the output quantity calculation. Only when PCIs are posted, will the output quantities reflect the posted phase units.

Field security can be applied to the following four fields: Output Complete Quantity, Projected Input Rate, Projected Input Units, and Projected Output Units. Options are “Unrestricted” and

“Read Only”. The default value is “Unrestricted” for “ALL” Roles. Users can set the field security to “Read Only” to either “ALL” or for specific user roles as required.

Example of Editing Quantity of Output Complete

If users have the privilege to update the quantity in the Output Complete field in the Productivity/Units pop-up window, the Output Complete field will be enabled, and a value can be entered.

The screenshot shows the Contract Forecasting interface with the Productivity/Units pop-up window open. The 'Completed' field in the 'Projected' section is highlighted with a red box and a red arrow. A message 'Completed Output Unit field is editable' is displayed below the field. The 'Save' button is highlighted with a blue arrow.

Example of enabled Output Complete field in Productivity/Units pop-up window

Upon tabbing off the field, a message in red font will be issued to the user indicating “Units Complete have been changed and xx.xxx Units will be posted upon save.” Clicking [**Save**] will post the JC Phase Units and refresh the forecast to reflect the newly completed output units. All other columns will be recalculated.

The following example shows a previously overridden Productivity pop-up window where a user has updated the completed output units and has saved to post the same.

NOTE: Updating the completed output units and posting upon [**Save**] is not considered as an override. Therefore, updating output quantity with no previous overrides to any other field will not be considered as an override to the Cost to Complete column in the main screen.

Contract Forecasting with PCI Projections - R12

Users will be able to print the posting report from the Print Posting Report screen in the Job Costing module (standard Treeview path: Job Costing > Utilities > Print Posting Reports).

Contract Forecasting with PCI Projections - R12

PRINT POSTING REPORTS

Selection Criteria

* Company CCC CMiC Construction Company

Batch

* Batch	Description	* User ID	* Date
6762	JcContractForecast: DAR, 04-OCT-2019, 11:20	RAVI4	04-Oct-2019

Print **Delete**

NOTE: Users should be aware that the units will be posted with the system date as the post date, regardless of the forecasting period they are currently viewing.

Precision of Decimals in Productivity/Units Pop-Up

Contract

Contract	1857512	Year	2018	Status	In Process	Filter	<input checked="" type="radio"/> Cost/Revenue	<input type="radio"/> Projected Cost	Show	<input checked="" type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines	Hide	<input checked="" type="checkbox"/> Zero Projected Cost Lines	Rows	<input type="radio"/> Recoverable	<input type="radio"/> Non-Recoverable	<input checked="" type="radio"/> Both	Go
Job		Period	7															

Bill Codes

N	Alt	Contract C...	Bill Code	Job	Phase	Name	Category	Type	Meth...	S...	Pending CO	Pending External PCI	Pending CO (Incl. Risk)	Projected Cost Budget	Spent/Com... (Pending CO)	Cost to Complete	Projected Cost Forecast	Cost Variance	C (F)
		1857512	1857512.01-100.1000	1857512	01-100										0.00	305,314.60	311,723.16	-263,829.42	
		1857512	1857512.01-100.2000	1857512	01-100										0.00	78,965.47	78,965.47	0.00	
		1857512	1857512.01-100.3000	1857512	01-100										0.00	99,875.34	99,875.34	0.00	
		1857512	1857512.01-100.4000	1857512	01-100										0.00	115,235.00	115,235.00	0.00	
		1857512	1857512.01-100 LAB	1857512	01-100										0.00	0.00	0.00	0.00	
		1857512	1857512.01-101.1000	1857512	01-101										0.00	25,696.08	25,696.08	0.00	
		1857512	1857512.01-101.2000	1857512	01-101										0.00	47,896.00	47,896.00	0.00	
		1857512	1857512.01-101.3000	1857512	01-101										0.00	85,690.39	85,690.39	0.00	
		1857512	1857512.01-101.4000	1857512	01-101										0.00	99,568.00	99,568.00	0.00	
		1857512	1857512.01-101 LAB	1857512	01-101										0.00	0.00	0.00	0.00	
		1857512	1857512.01-102.1000	1857512	01-102										0.00	48,967.77	48,967.77	0.00	
		1857512	1857512.01-103.3000	1857512	01-103										0.00	69,874.87	69,874.87	0.00	
		1857512	1857512.01-999.5000	1857512	01-999										0.00	0.00	0.00	0.00	
		1857512	1857512.01-999.6000	1857512	01-999										0.00	0.00	0.00	0.00	

Productivity/Units - Internet Explorer

Productivity/Units

Phase	Category	Budgeted	Output	Input			
01-100 - Blue Prints	1000 - Labor	976.19	NA	47,893.74	129.67	HR	
	Budgeted	976.19	NA	20.07	6,408.56	18.68	HR
	Complete						
	Projected	976.19	NA	272115.22	793.175	HR	
	Remaining	956.12	NA	265706.66	774,495	HR	

Shared Savings:

Lump Sum:

Phase Total:

Division Total:

Job Total:

Total:

The precision of the decimal places in the fields of the Productivity/Units pop-up window depends on the type of the field.

The enterable fields allow the following precision and display:

- Go Forward Input Rate: (18,5)
- Go Forward Output Rate: (18,5)
- Go Forward Productivity: (18,4)
- Go Forward Yield: (18,4)
- Projected Input Qty: (18,3)

All other fields display two decimal places to improve readability.

When recalculation occurs, the values need to be accurate, therefore, the Go Forward Override rates and Productivity/Yield fields have a higher precision.

Entering Overrides in Productivity/Units Pop-Up

When overrides are made in the pop-up window and saved, the updated values will also appear in the Contract Forecast with PCI Projections screen's Footer Details section (Summary Panel).

NOTE: If users do not override any values in the pop-up window but they press [**Save**], the Go Forward Overrides do not populate and the record is not identified as overridden in the main forecast screen.

After entering overrides, if user presses [**Clear Overrides**] on a P-line in the Contract Forecast with PCI Projections screen, any overrides made in the Projected Output units (Phase Units) field will not be cleared and the overridden values will be kept. In addition, upon clearing overrides, the system will use Projected Output units for calculation, as Budgeted Output units will only be used when the completion units are zero. For example, if the Projected Output units is overridden from “1000” to “925”, the clear overrides function will clear all other overridden values in the pop-up, except for this column. The Estimate to Complete column will then be recalculated based on the product of Projected Output Units * Current Output Rate. The Projected Input Units field will be recalculated using the formula: Projected Input Units (HR) = Projected Input Amount (\$) / Current Input Rate (\$/HR).

The calculation of the Go Forward Override Output Rate is based on overrides. Once the user overrides the Projected Output units, the system calculated value will be defaulted for the Go Forward Override Output Rate. No Go Forward Override Output Rate will appear if overrides are not available.

When the Projected Output unit is updated, this is not considered an override unless an explicit Go Forward Override already exists. When no Go Forward Overrides exist, the system will perform a clear override, once the Projected Output unit is updated by users, therefore the bill code is not considered overridden.

The screenshot shows a detailed view of the CMiC software's contract forecasting module. At the top, there are filters for Contract (1740953M), Year (2018), Status (In Process), and Period (7). The 'Cost/Revenue' filter is selected. Below the filters, there are checkboxes for 'Zero Cost Lines', 'Zero Cost and Revenue Lines', 'Overrides Only', and 'Show'. There are also buttons for 'Hide', 'Zero Projected Cost Lines', 'Recoverable', 'Non-Recoverable', and 'Both'. A 'Go' button is also present.

The main table lists various tasks or phases with columns for N, At, Freeze, Contract C..., Bill Code, Job, Phase, Name, Category, Type, Meth..., Sub CO, Pending External PCI, Pending CO (Incl. Risk), Projected Cost Budget, Spent/Com..., Cost to Complete, and others. A red box highlights the 'Cost to Complete' column for the first row, which is 12,530.00.

A modal window titled 'Productivity/Units' is open, showing details for 'Phase 01-100 - Blue Prints' under 'Category 1000 - Labor'. It has tabs for 'Budgeted', 'Completed', 'Projected', and 'Remaining'. The 'Projected' tab is active, showing a value of 40.0. A red box highlights this value, and a red arrow points from the 'Update Output Units' button at the bottom left of the modal to this value.

The modal also contains sections for 'Input' (WM) and 'Output' (HR), and various productivity metrics like Input Rate, Output Rate, Productivity, Yield, and Estimate To Complete. The bottom right of the modal shows a progress bar at 100%.

Contract Forecasting with PCI Projections - R12

Contract

Contract	1740953M	Year	2018	Status	In Process	Filter	Cost/Revenue	Show	Zero Cost Lines	Zero Cost and Revenue Lines	Hide	Zero Projected Cost Lines	Recoverable	Non-Recoverable	Both	Go																																																																																																																																																																																																																																																																																																																																																																															
Job		Period	7																																																																																																																																																																																																																																																																																																																																																																																												
Overrides have been cleared																																																																																																																																																																																																																																																																																																																																																																																															
Bill Codes																																																																																																																																																																																																																																																																																																																																																																																															
N	Att	Contract C...	Bill Code	Job	Phase	Name	Category	Type	Meth...	S... CO	Pending External PCI Cost To Compl	Pending CO (Incl. Risk)	Projected Cost Budget	Spent/Com... (Pending CO)	Cost to Complete	Projected Cost Forecast	Cost Variance	Cost to Co (Pending C																																																																																																																																																																																																																																																																																																																																																																													
<table border="1"> <thead> <tr> <th colspan="16">Productivity/Units - Internet Explorer</th> </tr> <tr> <th colspan="16">http://test4v10.cmic.ca:7785/cmcipretest10/JcContractForecast1/showProductivityPopup.do?for</th> </tr> <tr> <th colspan="16">Productivity/Units</th> </tr> <tr> <th colspan="16">Save Cancel</th> </tr> </thead> <tbody> <tr> <td colspan="16">Phase 01-100 - Blue Prints</td> </tr> <tr> <td colspan="16">Category 1000 - Labor</td> </tr> <tr> <td colspan="16">Output WM \$ Units WM</td> </tr> <tr> <td colspan="16">Budgeted 40 NA 12,530.00 132 HR</td> </tr> <tr> <td colspan="16">Complete 0 NA 650.00 10 HR</td> </tr> <tr> <td colspan="16">Projected 52 NA 16939.00 260.600 HR</td> </tr> <tr> <td colspan="16">Remaining 52.00 NA 16289.00 250.600 HR</td> </tr> <tr> <td colspan="16"> <table border="1"> <thead> <tr> <th colspan="16">Input</th> </tr> <tr> <th colspan="16">\$ / HR</th> </tr> <tr> <th colspan="16">NA / HR</th> </tr> <tr> <th colspan="16">HR / NA</th> </tr> </thead> <tbody> <tr> <td colspan="16">Budgeted 94.92 65.00</td> </tr> <tr> <td colspan="16">Current 313.25 0.00</td> </tr> <tr> <td colspan="16">Productivity 0.30</td> </tr> <tr> <td colspan="16">Yield 3.3000</td> </tr> <tr> <td colspan="16">Estimate To Complete 11880 11,880.00 16289.00</td> </tr> <tr> <td colspan="16">Projected Cost 12,530.00 12,530.00 16939.00</td> </tr> </tbody> </table> </td> </tr> <tr> <td colspan="16"> <input checked="" type="checkbox"/> 100% </td> </tr> </tbody> </table>																Productivity/Units - Internet Explorer																http://test4v10.cmic.ca:7785/cmcipretest10/JcContractForecast1/showProductivityPopup.do?for																Productivity/Units																Save Cancel																Phase 01-100 - Blue Prints																Category 1000 - Labor																Output WM \$ Units WM																Budgeted 40 NA 12,530.00 132 HR																Complete 0 NA 650.00 10 HR																Projected 52 NA 16939.00 260.600 HR																Remaining 52.00 NA 16289.00 250.600 HR																<table border="1"> <thead> <tr> <th colspan="16">Input</th> </tr> <tr> <th colspan="16">\$ / HR</th> </tr> <tr> <th colspan="16">NA / HR</th> </tr> <tr> <th colspan="16">HR / NA</th> </tr> </thead> <tbody> <tr> <td colspan="16">Budgeted 94.92 65.00</td> </tr> <tr> <td colspan="16">Current 313.25 0.00</td> </tr> <tr> <td colspan="16">Productivity 0.30</td> </tr> <tr> <td colspan="16">Yield 3.3000</td> </tr> <tr> <td colspan="16">Estimate To Complete 11880 11,880.00 16289.00</td> </tr> <tr> <td colspan="16">Projected Cost 12,530.00 12,530.00 16939.00</td> </tr> </tbody> </table>																Input																\$ / HR																NA / HR																HR / NA																Budgeted 94.92 65.00																Current 313.25 0.00																Productivity 0.30																Yield 3.3000																Estimate To Complete 11880 11,880.00 16289.00																Projected Cost 12,530.00 12,530.00 16939.00																<input checked="" type="checkbox"/> 100%															
Productivity/Units - Internet Explorer																																																																																																																																																																																																																																																																																																																																																																																															
http://test4v10.cmic.ca:7785/cmcipretest10/JcContractForecast1/showProductivityPopup.do?for																																																																																																																																																																																																																																																																																																																																																																																															
Productivity/Units																																																																																																																																																																																																																																																																																																																																																																																															
Save Cancel																																																																																																																																																																																																																																																																																																																																																																																															
Phase 01-100 - Blue Prints																																																																																																																																																																																																																																																																																																																																																																																															
Category 1000 - Labor																																																																																																																																																																																																																																																																																																																																																																																															
Output WM \$ Units WM																																																																																																																																																																																																																																																																																																																																																																																															
Budgeted 40 NA 12,530.00 132 HR																																																																																																																																																																																																																																																																																																																																																																																															
Complete 0 NA 650.00 10 HR																																																																																																																																																																																																																																																																																																																																																																																															
Projected 52 NA 16939.00 260.600 HR																																																																																																																																																																																																																																																																																																																																																																																															
Remaining 52.00 NA 16289.00 250.600 HR																																																																																																																																																																																																																																																																																																																																																																																															
<table border="1"> <thead> <tr> <th colspan="16">Input</th> </tr> <tr> <th colspan="16">\$ / HR</th> </tr> <tr> <th colspan="16">NA / HR</th> </tr> <tr> <th colspan="16">HR / NA</th> </tr> </thead> <tbody> <tr> <td colspan="16">Budgeted 94.92 65.00</td> </tr> <tr> <td colspan="16">Current 313.25 0.00</td> </tr> <tr> <td colspan="16">Productivity 0.30</td> </tr> <tr> <td colspan="16">Yield 3.3000</td> </tr> <tr> <td colspan="16">Estimate To Complete 11880 11,880.00 16289.00</td> </tr> <tr> <td colspan="16">Projected Cost 12,530.00 12,530.00 16939.00</td> </tr> </tbody> </table>																Input																\$ / HR																NA / HR																HR / NA																Budgeted 94.92 65.00																Current 313.25 0.00																Productivity 0.30																Yield 3.3000																Estimate To Complete 11880 11,880.00 16289.00																Projected Cost 12,530.00 12,530.00 16939.00																																																																																																																																																																																																																															
Input																																																																																																																																																																																																																																																																																																																																																																																															
\$ / HR																																																																																																																																																																																																																																																																																																																																																																																															
NA / HR																																																																																																																																																																																																																																																																																																																																																																																															
HR / NA																																																																																																																																																																																																																																																																																																																																																																																															
Budgeted 94.92 65.00																																																																																																																																																																																																																																																																																																																																																																																															
Current 313.25 0.00																																																																																																																																																																																																																																																																																																																																																																																															
Productivity 0.30																																																																																																																																																																																																																																																																																																																																																																																															
Yield 3.3000																																																																																																																																																																																																																																																																																																																																																																																															
Estimate To Complete 11880 11,880.00 16289.00																																																																																																																																																																																																																																																																																																																																																																																															
Projected Cost 12,530.00 12,530.00 16939.00																																																																																																																																																																																																																																																																																																																																																																																															
<input checked="" type="checkbox"/> 100%																																																																																																																																																																																																																																																																																																																																																																																															
Shared Savings:																																																																																																																																																																																																																																																																																																																																																																																															
Lump Sum:																																																																																																																																																																																																																																																																																																																																																																																															
Phase Total:																																																																																																																																																																																																																																																																																																																																																																																															
Division Total:																																																																																																																																																																																																																																																																																																																																																																																															
Job Total:																																																																																																																																																																																																																																																																																																																																																																																															
Total:																																																																																																																																																																																																																																																																																																																																																																																															

The Go Forward
Override values are
NULL and hence this
action is NOT
considered an override

Contract

Contract	1740953M	Year	2018	Status	In Process	Filter	Cost/Revenue	Show	Zero Cost Lines	Zero Cost and Revenue Lines	Hide	Zero Projected Cost Lines	Recoverable	Non-Recoverable	Both	Go																																																																																																																																																																																																																																																																																																																																																																															
Job		Period	7																																																																																																																																																																																																																																																																																																																																																																																												
Overrides have been cleared																																																																																																																																																																																																																																																																																																																																																																																															
Bill Codes																																																																																																																																																																																																																																																																																																																																																																																															
N	Att	Contract C...	Bill Code	Job	Phase	Name	Category	Type	Meth...	S... CO	Pending External PCI Cost To Compl	Pending CO (Incl. Risk)	Projected Cost Budget	Spent/Com... (Pending CO)	Cost to Complete	Projected Cost Forecast	Cost Variance	Cost to Co (Pending C																																																																																																																																																																																																																																																																																																																																																																													
<table border="1"> <thead> <tr> <th colspan="16">Productivity/Units - Internet Explorer</th> </tr> <tr> <th colspan="16">http://test4v10.cmic.ca:7785/cmcipretest10/JcContractForecast1/showProductivityPopup.do?for</th> </tr> <tr> <th colspan="16">Productivity/Units</th> </tr> <tr> <th colspan="16">Save Cancel</th> </tr> </thead> <tbody> <tr> <td colspan="16">Phase 01-100 - Blue Prints</td> </tr> <tr> <td colspan="16">Category 1000 - Labor</td> </tr> <tr> <td colspan="16">Output WM \$ Units WM</td> </tr> <tr> <td colspan="16">Budgeted 40 NA 12,530.00 132 HR</td> </tr> <tr> <td colspan="16">Complete 0 NA 650.00 10 HR</td> </tr> <tr> <td colspan="16">Projected 52 NA 18070 278.000 HR</td> </tr> <tr> <td colspan="16">Remaining 52.00 NA 17420.00 268.000 HR</td> </tr> <tr> <td colspan="16"> <table border="1"> <thead> <tr> <th colspan="16">Input</th> </tr> <tr> <th colspan="16">\$ / HR</th> </tr> <tr> <th colspan="16">NA / HR</th> </tr> <tr> <th colspan="16">HR / NA</th> </tr> </thead> <tbody> <tr> <td colspan="16">Budgeted 94.92 65.00</td> </tr> <tr> <td colspan="16">Current 313.25 0.00</td> </tr> <tr> <td colspan="16">Productivity 0.30</td> </tr> <tr> <td colspan="16">Yield 3.3000</td> </tr> <tr> <td colspan="16">Estimate To Complete 11880 11,880.00 17420.00</td> </tr> <tr> <td colspan="16">Projected Cost 12,530.00 12,530.00 18070.00</td> </tr> </tbody> </table> </td> </tr> <tr> <td colspan="16"> <input checked="" type="checkbox"/> 100% </td> </tr> </tbody> </table>																Productivity/Units - Internet Explorer																http://test4v10.cmic.ca:7785/cmcipretest10/JcContractForecast1/showProductivityPopup.do?for																Productivity/Units																Save Cancel																Phase 01-100 - Blue Prints																Category 1000 - Labor																Output WM \$ Units WM																Budgeted 40 NA 12,530.00 132 HR																Complete 0 NA 650.00 10 HR																Projected 52 NA 18070 278.000 HR																Remaining 52.00 NA 17420.00 268.000 HR																<table border="1"> <thead> <tr> <th colspan="16">Input</th> </tr> <tr> <th colspan="16">\$ / HR</th> </tr> <tr> <th colspan="16">NA / HR</th> </tr> <tr> <th colspan="16">HR / NA</th> </tr> </thead> <tbody> <tr> <td colspan="16">Budgeted 94.92 65.00</td> </tr> <tr> <td colspan="16">Current 313.25 0.00</td> </tr> <tr> <td colspan="16">Productivity 0.30</td> </tr> <tr> <td colspan="16">Yield 3.3000</td> </tr> <tr> <td colspan="16">Estimate To Complete 11880 11,880.00 17420.00</td> </tr> <tr> <td colspan="16">Projected Cost 12,530.00 12,530.00 18070.00</td> </tr> </tbody> </table>																Input																\$ / HR																NA / HR																HR / NA																Budgeted 94.92 65.00																Current 313.25 0.00																Productivity 0.30																Yield 3.3000																Estimate To Complete 11880 11,880.00 17420.00																Projected Cost 12,530.00 12,530.00 18070.00																<input checked="" type="checkbox"/> 100%															
Productivity/Units - Internet Explorer																																																																																																																																																																																																																																																																																																																																																																																															
http://test4v10.cmic.ca:7785/cmcipretest10/JcContractForecast1/showProductivityPopup.do?for																																																																																																																																																																																																																																																																																																																																																																																															
Productivity/Units																																																																																																																																																																																																																																																																																																																																																																																															
Save Cancel																																																																																																																																																																																																																																																																																																																																																																																															
Phase 01-100 - Blue Prints																																																																																																																																																																																																																																																																																																																																																																																															
Category 1000 - Labor																																																																																																																																																																																																																																																																																																																																																																																															
Output WM \$ Units WM																																																																																																																																																																																																																																																																																																																																																																																															
Budgeted 40 NA 12,530.00 132 HR																																																																																																																																																																																																																																																																																																																																																																																															
Complete 0 NA 650.00 10 HR																																																																																																																																																																																																																																																																																																																																																																																															
Projected 52 NA 18070 278.000 HR																																																																																																																																																																																																																																																																																																																																																																																															
Remaining 52.00 NA 17420.00 268.000 HR																																																																																																																																																																																																																																																																																																																																																																																															
<table border="1"> <thead> <tr> <th colspan="16">Input</th> </tr> <tr> <th colspan="16">\$ / HR</th> </tr> <tr> <th colspan="16">NA / HR</th> </tr> <tr> <th colspan="16">HR / NA</th> </tr> </thead> <tbody> <tr> <td colspan="16">Budgeted 94.92 65.00</td> </tr> <tr> <td colspan="16">Current 313.25 0.00</td> </tr> <tr> <td colspan="16">Productivity 0.30</td> </tr> <tr> <td colspan="16">Yield 3.3000</td> </tr> <tr> <td colspan="16">Estimate To Complete 11880 11,880.00 17420.00</td> </tr> <tr> <td colspan="16">Projected Cost 12,530.00 12,530.00 18070.00</td> </tr> </tbody> </table>																Input																\$ / HR																NA / HR																HR / NA																Budgeted 94.92 65.00																Current 313.25 0.00																Productivity 0.30																Yield 3.3000																Estimate To Complete 11880 11,880.00 17420.00																Projected Cost 12,530.00 12,530.00 18070.00																																																																																																																																																																																																																															
Input																																																																																																																																																																																																																																																																																																																																																																																															
\$ / HR																																																																																																																																																																																																																																																																																																																																																																																															
NA / HR																																																																																																																																																																																																																																																																																																																																																																																															
HR / NA																																																																																																																																																																																																																																																																																																																																																																																															
Budgeted 94.92 65.00																																																																																																																																																																																																																																																																																																																																																																																															
Current 313.25 0.00																																																																																																																																																																																																																																																																																																																																																																																															
Productivity 0.30																																																																																																																																																																																																																																																																																																																																																																																															
Yield 3.3000																																																																																																																																																																																																																																																																																																																																																																																															
Estimate To Complete 11880 11,880.00 17420.00																																																																																																																																																																																																																																																																																																																																																																																															
Projected Cost 12,530.00 12,530.00 18070.00																																																																																																																																																																																																																																																																																																																																																																																															
<input checked="" type="checkbox"/> 100%																																																																																																																																																																																																																																																																																																																																																																																															
Shared Savings:																																																																																																																																																																																																																																																																																																																																																																																															
Lump Sum:																																																																																																																																																																																																																																																																																																																																																																																															
Phase Total:																																																																																																																																																																																																																																																																																																																																																																																															
Division Total:																																																																																																																																																																																																																																																																																																																																																																																															
Job Total:																																																																																																																																																																																																																																																																																																																																																																																															
Total:																																																																																																																																																																																																																																																																																																																																																																																															

When there are Go Forward
Overrides exist, then update
to Projected Output Units will
NOT clear the Go Forward
Overrides

For Unit Method lines, when overriding the Input Rate Go Forward Override Rate value in the Productivity/Units pop-up, the system recalculates the Projected and Remaining amounts.

Contract Forecasting with PCI Projections - R12

After saving the override, upon re-opening the Productivity/Units pop-up, it retains the Input Rate Go Forward Override value correctly as Remaining (\$)/Remaining Units.

The screenshot displays a 'Productivity/Units' pop-up window overlaid on a larger 'Contract' interface. The pop-up shows input fields for various metrics like Input Rate, Output Rate, and Productivity, along with a 'Go Forward Override' field set to 120.00. A red arrow points from the 'Go Forward Override' field in the pop-up to a corresponding cell in a table on the right, which is highlighted with a red box. A yellow callout box contains the text: 'Override Go-forward Input Rate, calculates Projected Amount (\$) & Remaining Amount(\$) correctly.'

This screenshot shows the same setup as the previous one, but after saving the override. The 'Productivity/Units' pop-up is re-opened, and the 'Go Forward Override' field still displays the value 120.00, which is highlighted with a red box. A yellow callout box contains the text: 'Re-opening the pop-up should retain the Input Rate Go Forward override value correctly as Remaining (\$) / Remaining Units'.

In addition, when there are no output units for these Unit billing lines (zeros), overriding the Projected Input units in the pop-up window causes the Go Forward Override Input Rate to be

Contract Forecasting with PCI Projections - R12

populated with a value. Upon saving, closing, and re-opening, the pop-up holds the values, as shown in the screenshots below.

The screenshot shows a software interface for 'Contract Forecasting with PCI Projections - R12'. At the top, there's a navigation bar with fields for 'Contract' (43M), 'Year' (2018), 'Status' (In Process), 'Filter' (Cost/Revenue), and 'Show' (Zero Cost Lines, Zero Cost and Revenue Lines, Overrides Only). A large orange button labeled '1' is visible. Below the navigation bar is a table titled 'Bill Codes' with columns for N, Attr, Freeze Update, Contract C..., Bill Code, Job, Phase, Name, Category, Type, Methodology, Pending PCI To Compl, Internal PCI Cost To Compl, Pending CO, Pending External PCI Cost To Compl, Pending CO (Incl. Risk), Projected Cost Budget, Spent/Com..., Cost to Complete, and Projected Cost Forecast. The table contains numerous rows of data, many of which are highlighted in green. A modal dialog box titled 'Productivity/Units' is overlaid on the main interface. This dialog box displays a table for 'Phase 01-101 - Signage' under 'Category 1000 - Labor'. It has sections for 'Output' (WM), 'Input' (\$), and 'Units WM'. It includes rows for 'Budgeted', 'Complete', 'Projected', and 'Remaining'. Below this is another table with columns for 'Input Rate', 'Current', 'Go Forward Override', 'Output Rate', 'Productivity', 'Yield', 'Estimate To Complete', and 'Projected Cost'. A red box highlights the 'Input Rate' row. At the bottom of the dialog box, there are buttons for 'Save' and 'Cancel'. The main interface at the bottom shows pagination controls and a message: 'There are null records in database for this period. Page 1, 1 - 33 displayed, 1 pages 33 records totally.'

Contract Forecasting with PCI Projections - R12

Contract Forecasting with PCI Projections - R12

PCI Projections

Forecast Comments Clear Overrides Store Forecast Refresh Contract Summary Notes Attachments Send To Spreadsheet Archive Forecast Retrieve Overrides Configure View

Contract **43M** Year **2018** Status **In Process** Filter **Cost/Revenue** Show Zero Cost Lines Zero Cost and Revenue Lines Hide Zero Projected Cost Lines

Job **1** Period **1** Filter Projected Cost Show Overrides Only

Recoverable Non-Recoverable Both **Go**

Bill Codes

N	Att	Contract C...	Bill Code	Job	Phase	Name	Category	Type	Meth...	id	PCI	Pending	Pending CO	Pending CO Risk	Projected Cost Budget	Spent/Com...	Cost to Complete	Projected Cost Forecast
	Update																	
			43M.01-100.1000	43M	01-100									1,881.00	11,881.00	0.00	5,931.82	▲ 8,181.82
			43M.01-100.2000	43M	01-100									1,881.00	11,881.00	0.00	0.00	▲ 2,250.00
			43M.01-100.3000											1,881.00	11,881.00	0.00	9,025.00	▲ 11,881.00
			43M.01-100.4000											1,881.00	11,881.00	0.00	9,025.00	▲ 11,881.00
			43M.01-100.5000											0.00	0.00	0.00	0.00	▲ 0.00
			43M.01-100.6000											0.00	10,000.00	0.00	9,025.00	▲ 10,000.00
			43M.01-100.9000											0.00	10,000.00	0.00	9,100.00	▲ 10,000.00
			43M.01-100.9100											0.00	0.00	0.00	0.00	▲ 0.00
			43M.01-100.9200											0.00	0.00	0.00	0.00	▲ 0.00
			43M.01-100.L											0.00	26772.69	700	26772.69	
			43M.01-100.LAB											6323.20	166,39999995	HR		
			43M.01-100.WIP-1	43M	01-100													
			43M.01-100.WIP-2	43M	01-100													
			43M.01-100.WIP-3	43M	01-100													
			43M.01-101.1000	43M	01-101													
			43M.01-101.2000	43M	01-101													
			43M.01-101.3000	43M	01-101													
			43M.01-101.4000	43M	01-101													
			43M.01-101.5000	43M	01-101													
			43S.01-100.1000	43S	01-100													
			43S.01-100.2000	43S	01-100													
			43S.01-100.3000	43S	01-100													
			43S.01-100.4000	43S	01-100	Blue Prints	4000	COST A	0.00	0.00	0.00							
			43S.01-100.5000	43S	01-100	Blue Prints	5000	BPB A	0.00	0.00	0.00							
			43S.01-100.6000	43S	01-100	Blue Prints	6000	PC A	0.00	0.00	0.00							
			43S.01-100.9000	43S	01-100	Blue Prints	9000	PCCO A	0.00	0.00	0.00							

Productivity/Units - Internet Explorer

Productivity/Units

Phase 01-101 - Signage

Category 1000 - Labor

Output WM \$ Units WM Input

0	NA	22,000.00	400	HR
0	NA	20,449.49	533.6	HR
0	NA	26772.69	700	HR
NA		6323.20	166,39999995	HR

Budgeted Current Go Forward Overdue

55.00	38.32	38.00	\$ / HR
0.00	0.00	0.0	\$ / NA
NA / HR			
HR / NA			

Productivity Yield

Estimate To Complete 1,550.51 6,376.91 6323.1999995

Projected Cost 22,000.00 26,826.40 26772.69

100%

Re-Opening the pop-up does NOT change the Go Forward Input Rate and holds the previous override

Productivity Pop-Up Calculations

A	B	C	D	E	F	G	
		Output		Input		Units	
6	Budgeted	5000		125,000		1000	
7	Completed	1250		30000		250	
8	Projected	5000		30000		1000	(G7/C7)*C6
9	Remaining	3750	C8-C7	0	E8-E7	750	(G8-G7)
		Budgeted		Current			
13	Input Rate	125	E6/G6	120	E7/G7		
14	Output Rate	25	E6/C6	24	E7/C7		
15	Productivity	5	C13/C14	5	E13/E14		
16	Yield	0.2	1/C15	0.2	1/E15		
17	ETC	95,000	E6-E7	90,000	G9*E13		
18	Projected Cost	125,000		120,000	E17+E7		

1. Output Budgeted Units = Budgeted unit for the phase.
2. Output Complete Units = Phase completion Transaction
3. Output Projected Units = it is equal to budgeted output and available for override.
4. Output Remaining Units = Output Projected Units – Output Complete Units
5. Input Budgeted Amount = Budgeted Amount set for category
6. Input Complete Amount = Amount posted in JC transaction against the category.
7. Input Projected Amount= value defaulting from budgeted input amount and will change upon overriding current output rate. Available for override.
8. Remaining Input Amount = Input projected Amount minus Input Complete Amount.
9. Budgeted Units= Budgeted unit for categories under that phase.
10. Units Complete= Unit posted in JC transaction against the category.
11. Projected Units= (Completed Input Units divided by complete Output Quantity)* Output Budgeted Units
12. Remaining units = Projected units – Completed Units

Calculation of Productivity Pop-up when Entity is Overridden

The Productivity/Units pop-up calculations satisfy the following basic equations:

- (Estimate Amount to Complete) = (Remaining Output Units) * (Go Forward Output Rate)
- (Estimate Amount to Complete) = (Remaining Input Units) * (Go Forward Input Rate)
- (Go Forward Productivity) = (Remaining Output Units) / (Remaining Input Units)

When an entity is overridden in the pop-up window, this results in the recalculation of some of the columns, whereas other columns are locked to satisfy the basic equations as stated above.

When one column is overridden, two columns are locked and three are recalculated as per simple math required to balance the above equations.

Overridden Values	Locked Values	Recalculated Values
Remaining Output Units	<ul style="list-style-type: none"> • Go Forward Output Rate • Go Forward Input Rate 	<ul style="list-style-type: none"> • Estimate Amount to Complete • Remaining Input Quantity • Go Forward Productivity
Go Forward Output Rate	<ul style="list-style-type: none"> • Remaining Output Units • Go Forward Input Rate 	<ul style="list-style-type: none"> • Estimate Amount to Complete • Remaining Input Quantity

Overridden Values	Locked Values	Recalculated Values
		<ul style="list-style-type: none"> • Go Forward Productivity
Remaining Input Qty	<ul style="list-style-type: none"> • Go Forward Input Rate • Remaining Output Units 	<ul style="list-style-type: none"> • Estimate Amount to Complete • Go Forward Output Rate • Go Forward Productivity
Go Forward Input Rate	<ul style="list-style-type: none"> • Remaining Output Units • Go Forward Productivity 	<ul style="list-style-type: none"> • Estimate Amount to Complete • Go Forward Output Rate • Remaining Input Quantity
Go Forward Productivity	<ul style="list-style-type: none"> • Remaining Output Units • Go Forward Input Rate 	<ul style="list-style-type: none"> • Estimate Amount to Complete • Go Forward Output Rate • Remaining Input Quantity

Calculations of Rates

Budgeted Column	Name of Field	Formula
	Input Rate	Budgeted Input Amount / Budgeted input units
	Output Rate	Budgeted Input Amount / Budgeted Output Units
	Productivity	Budgeted Input Rate / Budgeted Output Rate NOTE: When output rate is changed in the Productivity pop-up, the Input rate stays the same and the Productivity value is recalculated based on Input Rate/Output Rate.
	Yield	1 / Budgeted Productivity
	Estimate to complete	Budgeted input amount – Complete Input Amount
	Projected Cost	ETC + Complete Input Amount
Current Column		
	Input Rate	Complete Input Amount / Complete Input Unit
	Output Rate	Complete Input Amount / Complete Output Units
	Productivity Rate	Current Input Rate / Current Output Rate
	Yield	1 / Current Productivity

	Estimate to complete	Remaining Input units * Current input Rate
	Projected Cost	Estimate to complete+ Complete Input Amount

Productivity Forecasting Overview

The calculation of job percent complete becomes far more complex when dealing with 'Productivity' as a forecast method to calculating the projected at completion costs on a job. In the case of productivity forecasting (P line budgets), the percent complete is calculated based on the budgeting of units at the phase level and the subsequent posting of quantities complete for these phases. Projected Cost at Completion is updated through the entry of Go Forward Overrides, which change the Estimate to Complete and subsequently change the Projected Cost at Completion.

Initial Calculations:

Percent Complete = Output Units Complete / Output Units Projected

Output Units to Complete = Output Units Projected – Output Units Complete

Cost to Complete = (Current Output Unit Rate Amt * Output Units to Complete)

Projected Cost At Completion = Cost to Complete + Input Cost Spent

Example 1: Prior to Posting of Costs and Units Complete

Prior to the posting of Units Complete, the system will assume that the Final Cost at Completion is equal to the Input Cost Budgeted. This means that the cost to complete this phase/category (\$125,000) will be equal to the budget to complete this phase/category. In the case of a 'P' line forecast, the posting of input quantities and costs to the phase/category will not affect the Final Cost at Completion.

Budgeted Output Units	5,000 CY
Units Complete	0 CY

Percent Complete:	0%
Budgeted Input Quantity	1,000 HR
Budgeted Input Amount	\$125,000
Spent Input Quantity	0 HR
Spent Input Cost	\$0
Projected Final Quantity:	1,000 HR
Projected Final Cost	\$125,000

Example 2: After Posting of Units Complete

Once the units have been posted as complete against the 'P' line phases, the system updates the percent complete by dividing the Units Complete by the Budgeted Output Units. Projected Final Quantities and Costs (against the input units) are then revised to account for the percent complete based on the output units. In the example below, the percent complete is 25% based on output units. Applying the output percent complete (25%) against the input units spent to date (\$30,000) has the effect of changing the Projected Final Cost.

Budgeted Output Units	5,000 CY
Units Complete	1,250 CY
Percent Complete:	25%
	(1,250/5,000 CY)
Budgeted Input Quantity	1,000 HR
Budgeted Input Amount	\$125,000
Spent Input Quantity	250 HR
Spent Input Cost	\$30,000
Projected Final Quantity:	1,000 HR
Projected Final Cost	\$120,000
	(\$30,000/25%)

Productivity Analysis

The analysis of conceptual unit price estimates is based on the relationship between input units and output units. The productivity-forecast screen allows analysis of this relationship in terms of the dollars and quantities needed to complete an output unit. Based on the information provided, productivity can be analyzed to see where the actual progress may be out of line with the estimates.

Due to the nature of productivity forecasts it should be noted that forecast amounts as a lump sum figure on the first screen cannot be changed. In order to change the Final Cost at Completion enter Go Forward Override amounts against the productivity forecast figures.

Below is an example of a productivity forecast based on the information presented in example 2. In this example, budget is a labor cost of \$125.00 per hour to complete the work on this particular phase. Under this scenario labor would cost \$25.00 per cubic yard to complete the work on this phase. Budgeted productivity would then be 5 cubic yards per hour with a yield of 1 cubic yard every .20 hours where yield is the inverse of productivity.

Budgeted

Input Unit Cost Rate	\$125.00 / HR (\$125.00/HR = \$125,000/1000 HRS)
Output Unit Cost Rate	\$ 25.00 / CY (\$125,000 / 5000 CY)
Productivity	5 CY / HR (5,000 CY / 1000 HRS)
Yield	.20 HR / CY (1000 HRS / 5,000 CY)
Projected Cost	\$125,000

	(Budget)
Estimate to Complete	\$95,000
	(\$125,000 -
	\$30,000)

Analyzing the current forecast rates shows that the job costs are doing better than projected. In the current scenario labor is only costing \$120 per hour. Given the decrease in the labor cost per hour actual spending is only \$24.00 a cubic yard on labor. Since consumption of 25% of the budgeted quantity (250 / 1000) as the units complete (1250/1000) productivity and yield remain the same. In this case, the job is working on schedule but it has cost less to do so. For this reason, the projected cost at completion has been modified down to reflect the decrease in labor cost.

Current

Input Unit Cost Rate	\$120.00 / HR (
	\$30,000 / 250
	HRS)
Output Unit Cost Rate	\$ 24.00 / CY (
	\$30,000 / 1250
	CY)
Productivity	5 CY / HR (
	1250 CY / 250
	HRS)
Yield	.20 HR / CY (
	250 HRS / 1250
	CY)
Projected Cost	\$120,000 (
	\$30,000 / 25%)
Estimate to Complete	\$90,000 (
	\$120,000 -
	\$30,000)

Example 3: Changes to the Go Forward Override Amounts

Continuing with the scenario in Example 2, it may be decided that for whatever reason the rates or productivity numbers are misleading and are over or underestimating the Projected Cost at Completion. In this case, override the calculated amounts through the Go Forward Overrides. The system allows direct modification of any of the forecast amounts except for the Project Cost amount. As modification of one of the forecast amounts occurs, the remaining amounts will automatically update with the over-ride.

Take, for example, the situation from Example 2. Assume that if labor is kept down to \$120 per hour it is known 5 cubic yards per hour will not be accomplished. The project manager estimates that as the job continues productivity will actually reduce to 4.75 CY / HR. In this case, enter 4.75 in the Productivity field for the Go Forward Override amounts. Using this new productivity, the system will calculate the yield will increase to .21 hours to complete one cubic yard causing the output unit cost rate to increase to \$25.26 per cubic yard. Given that there are 3,750 remaining output units to complete the job, the Estimate to Complete would be \$94,725 (Remaining Units * Output Rate).

When working with the Go Forward Override amounts, the system ignores the posted input and output amounts for the calculation of the remaining units. The Go Forward Override amounts are calculated under the following formula:

Productivity/Units					
<input type="button" value="Save"/> <input type="button" value="Cancel"/>					
Phase 010160 - Temporary Buildings					
Category 1000 - Labour					
Output			Input		
WM			\$ Units WM		
Budgeted	5000	CY	125,000.00	1000	HR
Complete	1250	CY	30,000.00	250	HR
Projected	5000	CY	124725	1039.375	HR
Remaining	3750	CY	94725	789.375	HR
Budgeted		Current	Go Forward	Override	
Input Rate	125.00	120.00	120.0	/ HR	
Output Rate	25.00	24.00	25.26	/ CY	
Productivity	5.0	5.0	4.75	CY / HR	
Yield	0.2	0.2	0.2105	HR / CY	
Estimate To Complete	95000	90,000.00	94725		
Projected Cost	125,000.00	120,000.00	124725		

When Productivity or Yield change:

Productivity, Yield, Output Rate and Projected Cost Change

Productivity = 1 / Yield

Yield = 1 / Productivity

Output Rate = Input Rate x 1 / Productivity

Productivity

Estimate to Complete = Remaining Output Units * Output Rate

Projected Cost = Estimate to Complete + Spent

When Output Rate changes:

Input Rate and Projected Cost change – Productivity and Yield are constant

When Input Rate changes:

Output Rate and Projected Cost Change – Productivity and Yield are constant

Overrides:

Input Unit Cost Rate	\$120.00 / HR
	Remains the
	Same
Output Unit Cost Rate	\$ 25.26 / CY \$
	120 / 4.75
Productivity	4.75 CY / HR
	as entered in Go
	Forward Over-
	ride
Yield	.21 HR / CY 1
	/ 4.75
Estimate to Complete	\$ 94,725
	3750 * 25.26
Projected Cost	\$124,725.00

This page is intentionally left blank.

Contract Forecasting - Labor Forecast Pop-Up

GC Monitor Pop-Up

The screenshot shows the CMiC GC MONITOR application window. At the top, there is a toolbar with various icons and buttons like Save, Exit, and Help. Below the toolbar is a 'Selection Criteria' panel with fields for Company (CMIC Construction Company), Contract Start (01-Jan-18), Contract End (31-Dec-20), and other filters like Year (2018), Per (9), From (01-Sep-18), To (30-Sep-18), and Cost Cutoff Date (30-Sep-18). Below the criteria are buttons for Display Forecast, Refresh From Previous, Re-calculate All Rates, Update Forecast Summary, Update Contract Date, Refresh Forecast, and Import/Export Resource Plan Data.

The main area has tabs for Labor, Other, and Summary. The Labor tab is selected and displays a grid of labor forecast entries. The columns include Trade, Employee, Employee Name, Union, Pay Type, * Bill Code, * Job, * Cost Code, Cost Code Description, * Category, and Cost Cutoff Date. The data in the grid is as follows:

Trade	Employee	Employee Name	Union	Pay Type	* Bill Code	* Job	* Cost Code	Cost Code Description	* Category	Cost Cutoff Date
DRV1	CCC-KW-01	Keith Williams		NWHR	JB-00001_03.31.13.L	JB-00001	03.31.13.L	Heavy Weight Structural Concrete	L	30-Sep-18
ZZ20	CCC-BK-01	Bob Kinlan	21	NWHR	JB-00001_03.200.L	JB-00001	03.200.L	Architectural Concrete	L	30-Sep-18
ZZ20	CCC-GB-01	Greg Bannister	21	NWHR	JB-00001_03.31.13.L	JB-00001	03.31.13.L	Heavy Weight Structural Concrete	L	30-Sep-18

At the bottom of the grid, there are buttons for Period Details, Default Missing Bill Codes, and Push Update To Resource Plan.

Pgm: RPFCAST – GC Monitor; standard Treeview path: Job Costing > Forecasting > GC Monitor

If CMiC Contract Forecasting has been set up to work with GC Monitor, for current and future periods, CMiC Field Contract Forecasting allows users to add and edit labor forecasting details via the GC Monitor screen, which is launched for a labor Forecast Line via its Cost to Complete pop-up window. For details, please refer to the GC Monitor reference guide.

Labor Forecast Pop-Up

Auto-Populate Labor Forecast

When a phase code/category is set up to use the Labor Forecast Method, and when an employee charges to this code, and if they are not setup already, the system populates their

Contract Forecasting with PCI Projections - R12

information into this screen.

The system auto-populates information even if employees have charged to the phase code and the Owner Billing is not set up yet (bill codes not set up yet).

Upon creation of the owner billing (bill codes), the labor forecast will auto populate with this information.

The following examples demonstrate two cases using this functionality.

Case 1:

When bill codes exist in Owner's Billing Contract and labor is charged towards a job/phase/labor category, say by posting a timesheet, the system automatically populates the Labor Forecasting in ADF. This includes creation of 'Period Details' for the labor for the duration of the project.

Upon closing the Labor Forecast pop-up, the system automatically refreshes the contract forecast, cost to complete column.

The screenshot shows the CMIC software interface with the 'Enter Labor Forecasts' dialog open. The dialog has a yellow callout box pointing to the 'Bill Code' field with the text: 'Timesheet posting, charging the job/phase/category updates the labor forecast'. A red arrow points from this callout to the 'Bill Code' field in the dialog. In the background, the 'Contract' table is visible, showing a list of bill codes and their details. One row in the table is highlighted with a red border, corresponding to the data in the dialog. The table columns include: Freeze Update, Bill Code, Contract C..., Job, Phase, Name, Category, Phase Type, Type, Meth..., Current Cost Budget, %Com... (Pending CO), Cost to Complete, Projected Cost Forecast, Cost Variance, Cost To Co... (Pending CO), Proj Cost Fc (Incl. Pendir), and a final column with a red border.

Contract Forecasting with PCI Projections - R12

ENTER LABOR FORECASTS

SELECTION CRITERIA

* Company	ZZ	CMIC Test Company	Contract Start	01-Jan-2016
* Contract	4090M	4090M - Feature Set-02	Contract End	01-Jan-2018
Year	2016	Per	1	From 01-Jan-2016 To 31-Jan-2016
<input checked="" type="checkbox"/> Show Completed Staffing Payroll Posted Date 31-Jan-2016				

Display Forecast Re-calculate All Rates Update Forecast

Complete with Cost/Billing hours and amounts for the duration of the project

LABOR ETC

Cost Rate/Hr For Year	Cost Rate/Hr For Year Override	Billing Rate/Hr For Year	Billing Rate/Hr For Year Override	Estimated Total Cost Hrs	Estimated Total Billing Hrs	Estimated To Complete Cost	Estimated To Complete Billing
13.5300	15.0000	13.5300	20.0000	4,008.00	4,008.00	77,196.94	123,008.81
50.0000		60.0000		4,008.00	4,008.00	257,323.04	369,026.41
				8,016.00	8,016.00	334,519.98	492,035.22

Trade Non Skilled Bill Blue Prints - Labor Forecast Job 4090M - Feature Set-02 Cost Code Blue Prints Category Labor Forecast

Refresh Staffing Period Details Billing Rate Table Get Record Rates

Case 2:

When a new phase/category is added to the job in progress and the owner bill codes are not set up in the billing contract, the system will store the labor charges posted and upon creation of the bill codes, will update the contract forecasting>labor forecast details.

ASSIGN JOB COST CODES

SELECTION CRITERIA

* Company	ZZ	CMIC Test Company
* Job	4090M	4090M - Feature Set-02

Modification #2
Auto-populate the bill codes, though NOT setup yet

Use Cost Code Template Use Existing Job Budget Effective Date

Copy Cost Code WC Codes Use Existing Bill Codes Retain Budget Retain Bill Rate Tables **Populate Cost Codes Add/Remove Categories Add Cost Codes**

COST CODE DETAIL

* Cost Code	Description	Projection threshold %	Billing	* Active	* Factorable	Name	Add/Remove Categories	Category Detail	Alternate Codes
01	GENERAL CONDITIONS		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Add/Remove Categories	Category Detail	Alternate Codes
01-100	Blue Prints		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Add/Remove Categories	Category Detail	Alternate Codes
02	SITE WORK		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Add/Remove Categories	Category Detail	Alternate Codes
02-100	Excavation		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Add/Remove Categories	Category Detail	Alternate Codes
03	CONCRETE		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Add/Remove Categories	Category Detail	Alternate Codes
03-100	Footings		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Add/Remove Categories	Category Detail	Alternate Codes
03-200	Slabs		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Add/Remove Categories	Category Detail	Alternate Codes
99	Billings		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Add/Remove Categories	Category Detail	Alternate Codes

Valid **Funding Source Validate Cost Codes Apply Budgets Update Dates Budget Add New Bill Codes**

Contract Forecasting with PCI Projections - R12

ASSIGN JOB COST CODES

SELECTION CRITERIA

- * Company: ZZ CMIC Test Company
- * Job: 4090M 4090M - Feature Set-02
- Budget Effective Date:
- Use Cost Code Template: Copy Cost Code WC Codes Use Existing Bill Codes Retain Budget Retain Bill Rate Tables Populate Cost Codes Add/Remove Categories Add Cost Codes

ASSIGN JOB COST CODES

CATEGORY DETAIL

Category	Name	Bill Code	Billing Type	* Ctr.	WM	Budget Method	* Active	* Labor Forecast	Exclude Cost Budget	Exclude Costs	Budget Quantity	Budget Unit Rate
LAB	Labor Forecast	4090M.03-100.LAB	ALL	HR	Amounts		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

SUBCONTRACT MANAGEMENT

CHANGE MANAGEMENT

TIMESHEET ENTRY

SELECTION CRITERIA

- Company: ZZ CMIC Test Company
- Pay Run: ZZWK ZZ Weekly Payroll
- Year: 2016
- Period: 1 01-Jan-2016 07-Jan-2016
- Document:
- NH Total: 8 OT Total: 0 DOT Total: 0 Other Total: 0
- Currency: US Total Hours: 8

TIMESHEET DETAILS

Employee: ZZ-WK-SMITH John Smith

Timesheet Details Employee

Seq No	* Employee	Date	DT	Trade	Shift	Comp.	Job/Dept/Eqp	CostCode/Acc Comp	Cat/Tran	TshUserField	TshUserField	TshUserField	TshUserField	Normal Hours
2899	ZZ-WK-SMITH	02-Jan-2016	J	ZZ2	Day Shift	ZZ	4090M	03-100	LAB					8

NH Total hours: 8 OT Total hours: 0 DOT Total hours: 0

Post Time sheet.
 Charging the job, but Owner Billcodes are NOT yet setup

Contract Forecasting with PCI Projections - R12

CONTRACT ENTRY

CREATE CONTRACT

- * Company ZZ CMIC Test Company
- Use Sub-Contract Vendor on New Bill Lines
- Show Closed Contracts
- Show NR Bill Codes

JB - Assign Billing Codes to a Contract **JB - Assign Billing Codes to Cost Phase/Categories** **JB - Billing Rates**

CONTRACT INFORMATION

Billing Items Defaults Rounding Methods Address Description Officials Surcharges Risk Management Separate Billing Information Mapping Groups

Search Insert Delete

Job: 4090M
 * Contract: 4090M
 * Customer: ZZ-WMT
 Budg. Billing Amt:
 Max Billing Amt:
 Bid Date:
 Approved Date: 10-Mar-2016
 Start Date: 01-Jan-2016

Add New Bill Codes Options

Add New Bill Codes Only
 Add New Bill Codes And Reset All Groups
 Add New Bill Codes And Reset Null Groups

OK **Cancel**

Create Contract Details Bill Rates Add New Bill Codes Reset All Bill Code Budgets Default Compliance Codes Invoice Preview

Billing Codes Group 1 Group 2 Group 3 Group 4 Group 5

View ▾ Freeze Detach Search Insert Insert Multiple Delete Workflows Report Options Export Import ECM Documents User Extensions

Billing Code	* Type	Description	SC RFP	Billing Reference	Billing	Burden Level	Jbcd Bur Stored Material Flag	* Shared Savings	Shared Savings Pct	* Filter
4090M.02-100.3000	COST	Excavation - Equipment	<input type="checkbox"/>		Cost Plus Markup		<input type="checkbox"/>	<input type="checkbox"/>		*
4090M.02-100.4000	COST	Excavation - Materials	<input type="checkbox"/>		Cost Plus Markup		<input type="checkbox"/>	<input type="checkbox"/>		*
4090M.02-100.LAB	COST	Excavation - Labor Fore	<input type="checkbox"/>		Cost Plus Markup		<input type="checkbox"/>	<input type="checkbox"/>		*
4090M.03-200.1000	COST	Slabs - Labor	<input type="checkbox"/>	<input type="checkbox"/>	Cost Plus Markup		<input type="checkbox"/>	<input type="checkbox"/>		*
4090M.03-100.1000	COST	Blue Prints - Labor	<input type="checkbox"/>		Cost Plus Markup		<input type="checkbox"/>	<input type="checkbox"/>		*

Contract Forecasting with PCI Projections - R12

CONTRACT ENTRY

Enter Company Code

CONTRACT INFORMATION

Billing Items Defaults Rounding Methods Address Description Officials Surcharges Risk Management Separate Billing Information Mapping Groups

Search Insert Delete Previous Next Workflows Report Options Attachments Notes ECM Documents User Extensions

Job: 4090M Job Description: 4090M - Feature Set-02
 * Contract: 4090M Contract Description: 4090M - Feature Set-02
 * Customer: ZZ-WMT Customer Description: Wal-Mart Stores Inc
 Budg. Billing Amt: * Time Phased: Exclude Non-Inv Receipts:
 Max Billing Amt:
 Bid Date: * Contract Date: 10-Mar-2016
 Approved Date: 10-Mar-2016 Closed Date: Spread Rule:
 Start Date: 01-Jan-2016 End Date: 01-Jan-2018 Rate Code: RATE1

Create Contract Details Bill Rates Add New Bill Codes Reset All Bill Code Budgets Default Compliance Codes Invoice Preview

Billing Codes Group 1 Group 2 Group 3 Group 4 Group 5

View Search Insert Insert Multiple Delete Workflows Report Options Export Import ECM Documents User Extensions

Billing Code	* Type	Description	SC RFP	Billing Reference	Billing	Burden Level	Ibcd Bur Stored Material Flag	* Shared Savings	Shared Savings Pct	* Filter
4090M.02-100.3000	COST	Excavation - Equipment	<input type="checkbox"/>	Cost Plus Markup			<input type="checkbox"/>	<input type="checkbox"/>	*	
4090M.02-100.4000	COST	Excavation - Materials	<input type="checkbox"/>	Cost Plus Markup			<input type="checkbox"/>	<input type="checkbox"/>	*	
4090M.02-100.LAB	COST	Excavation - Labor Fore	<input type="checkbox"/>	Cost Plus Markup			<input type="checkbox"/>	<input type="checkbox"/>	*	
4090M.03-100.LAB	COST	Footings - Labor Foreca	<input type="checkbox"/>	Cost Plus Markup			<input type="checkbox"/>	<input type="checkbox"/>	*	
4090M.03-200.1000	COST	Slabs - Labor	<input type="checkbox"/>	Cost Plus Markup			<input type="checkbox"/>	<input type="checkbox"/>	*	

ENTER LABOR FORECASTS

Invoke the Labor Forecast Detail Pop-up.
The newly created labor information is readily populated

Mode=0&p_call_id=33269&_sfrLoop=52615328275241&_adf.ctrl-state=1b296e

Selection Criteria:

- * Company: ZZ CMIC Test Company
- * Contract: 4090M 4090M - Feature Set-02
- Contract End: 01-Jan-2018
- Bill Code: 4090M.03-100.LAB
- Footings - Labor Forecast
- Year: 2016 Per: 1 From: 01-Jan-2016 To: 31-Jan-2016
- Show Completed Staffing:
- Payroll Posted Date: 31-Jan-2016

Display Forecast Re-calculate All Rates Update Forecast

LABOR ETC

View Search Insert Record Insert Multiple Records Delete Record Workflows Report Options Export ECM Documents

* Staff Member	Employee Name	* Trade	* Bill Code	* Job	* Cost Code	* Category	Payroll Posted Date	* Start Date	* End Date
ZZ-WK-SMI	John Smith	ZZ20	4090M.03-100.LAB	4090M	03-100	LAB	31-Jan-2016	01-Jan-2016	01-Jan-2016

Trade: Electrician Bill Code: Footings - Labor Forecast Job: 4090M - Feature Set-02 Cost Code: Footings Category: Labor Forecast

Refresh Staffing Period Details Billing Rate Table Get Record Rates

Overrides Configure View

Recoverable Non-Recoverable Both

Re	Projected Cost Forecast	Cost Variance
0.00	0	10.00
000.00	0	10.00
000.00	0	10.00
000.00	0	10.00
519.98	335228.22	-325.22
0.00	0	10.00
000.00	0	10.00
000.00	0	10.00
000.00	0	10.00
0.00	0	10.00
0.00	0	10.00
0.00	600	-60
0.00	0	10.00
000.00	0	10.00
000.00	0	10.00
000.00	0	10.00
000.00	0	10.00
000.00	207.69	9.79
0.00	0	10.00
000.00	0	10.00
000.00	0	10.00
000.00	0	10.00
0.00	0	10.00
519.98	336035.91	-136.03

1 - 22 displayed, 1 pages 22 records total

Contract Forecasting with PCI Projections - R12

PCI Projections

Forecast Comments Clear Overrides Store Forecast Refresh Contract Summary Notes [New](#) [Edit](#) [Delete](#) [Print](#) [Email](#) [Close](#)

Contract Job Year Period Filter Cost/Revenue Projected Cost Show Zero Cost Lines Zero Cost and Revenue Lines

Close the popup.
The Contract Forecast automatically refreshes and brings the labor amounts to Cost To Complete column

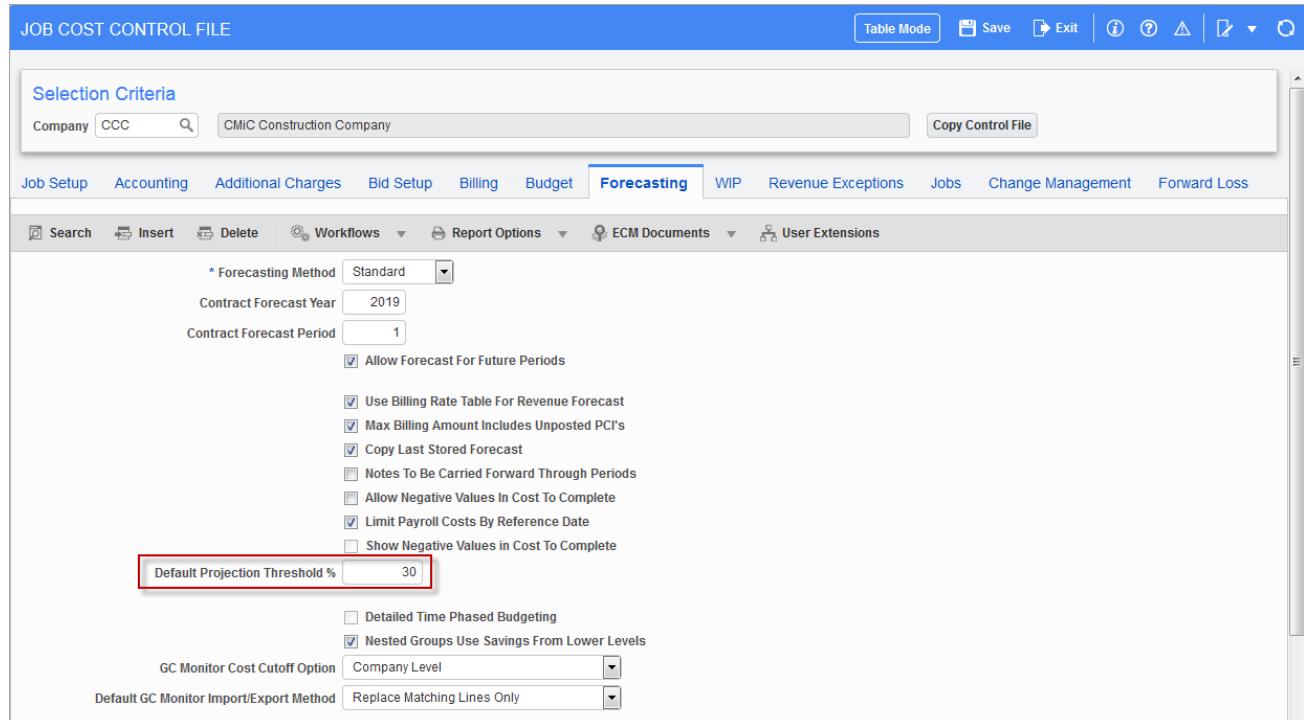
Bill Codes

Freeze	Bill Code	Contract C...	Job	Phase	Name	Category	Phase Type	Type	Meth...	Current Cost Budget	ing CO	Pending CO (Incl. Risk)	Projected Cost Budget	Spent/Com... (Pending CO)	Cost to Complete	Projected Cost Forecast	Cost Variance	Cost To (Pending)
<input type="checkbox"/>	4090M.01-100.1000	4090M	4090M	01-100	Blue Prints	1000	COST	P	10,000.00	0.00	0.00	10,000.00	0.00	0.00	▲	0	10,000.00	
<input type="checkbox"/>	4090M.01-100.2000	4090M	4090M	01-100	Blue Prints	2000	COST	A	10,000.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	0	10,000.00	
<input type="checkbox"/>	4090M.01-100.3000	4090M	4090M	01-100	Blue Prints	3000	COST	A	10,000.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	0	10,000.00	
<input type="checkbox"/>	4090M.01-100.4000	4090M	4090M	01-100	Blue Prints	4000	COST	A	10,000.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	0	10,000.00	
<input type="checkbox"/>	4090M.01-100 LAB	4090M	4090M	01-100	Blue Prints	LAB	COST	L	10,000.00	0.00	0.00	10,000.00	0.00	334,519.98	▲	335228.22	-325,228.22	
<input type="checkbox"/>	4090M.02-100.1000	4090M	4090M	02-100	Excavation	1000	COST	P	10,000.00	0.00	0.00	10,000.00	0.00	0.00	▲	0	10,000.00	
<input type="checkbox"/>	4090M.02-100.2000	4090M	4090M	02-100	Excavation	2000	COST	A	10,000.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	0	10,000.00	
<input type="checkbox"/>	4090M.02-100.3000	4090M	4090M	02-100	Excavation	3000	COST	A	10,000.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	0	10,000.00	
<input type="checkbox"/>	4090M.02-100.4000	4090M	4090M	02-100	Excavation	4000	COST	A	10,000.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	0	10,000.00	
<input type="checkbox"/>	4090M.02-100 LAB	4090M	4090M	02-100	Excavation	LAB	COST	L	10,000.00	0.00	0.00	10,000.00	0.00	0.00	▲	0	10,000.00	
<input type="checkbox"/>	4090M.03-100 LAB	4090M	4090M	03-100	Footings	LAB	COST	L	0.00	0.00	0.00	0.00	0.00	257,323.04	▲	257923.04	-257,923.04	
<input type="checkbox"/>	4090S.01-100.1000	4090S	4090S	01-100	Blue Prints	1000	COST	P	10,000.00	0.00	0.00	10,000.00	0.00	0.00	▲	0	10,000.00	
<input type="checkbox"/>	4090S.01-100.2000	4090S	4090S	01-100	Blue Prints	2000	COST	A	10,000.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	0	10,000.00	
<input type="checkbox"/>	4090S.01-100.3000	4090S	4090S	01-100	Blue Prints	3000	COST	A	10,000.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	0	10,000.00	
<input type="checkbox"/>	4090S.01-100.4000	4090S	4090S	01-100	Blue Prints	4000	COST	A	10,000.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	0	10,000.00	
<input type="checkbox"/>	4090S.01-100 LAB	4090S	4090S	01-100	Blue Prints	LAB	COST	L	10,000.00	0.00	0.00	10,000.00	0.00	0.00	▲	207.69	9,792.31	
<input type="checkbox"/>	4090S.02-100.1000	4090S	4090S	02-100	Excavation	1000	COST	P	10,000.00	0.00	0.00	10,000.00	0.00	0.00	▲	0	10,000.00	
<input type="checkbox"/>	4090S.02-100.2000	4090S	4090S	02-100	Excavation	2000	COST	A	10,000.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	0	10,000.00	
<input type="checkbox"/>	4090S.02-100.3000	4090S	4090S	02-100	Excavation	3000	COST	A	10,000.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	0	10,000.00	
<input type="checkbox"/>	4090S.02-100.4000	4090S	4090S	02-100	Excavation	4000	COST	A	10,000.00	0.00	0.00	10,000.00	0.00	10,000.00	▲	0	10,000.00	
<input type="checkbox"/>	4090S.02-100 LAB	4090S	4090S	02-100	Excavation	LAB	COST	L	10,000.00	0.00	0.00	10,000.00	0.00	0.00	▲	0	10,000.00	
Totals:											0.00	0.00	200,000.00	0.00	711,843.02		593358.95	-393,358.95

This page is intentionally left blank.

Contract Forecasting - Projection Threshold

Setup



Pgm: JCCTRLFM – Job Cost Control File; standard Treeview path: Job Costing > Setup > Local Tables > Control File – Forecasting tab

The Job cost Control File contain the Default Projection Threshold field, where users can maintain the required percent for defaulting into any new job created under the company. If no projection threshold is being used, then enter a value of zero (0.00). This field is not nullable.

NOTE: The value entered in the Default Projection Threshold % field serves as a default only when creating new jobs and is not used in any calculations.

Contract Forecasting with PCI Projections - R12

The screenshot shows the 'JOB SETUP' interface with the 'Job Detail' tab selected. The 'Selection Criteria' section includes a search bar for 'Company' set to 'CCC' and a 'Duplicate Job' button. The main 'Job Detail' section contains various configuration fields. A red box highlights the 'Projection Threshold %' field, which has a value of '30.00' entered. A callout bubble points to this field with the text 'Value defaulted from Job Cost Control File'.

Pgm: JCJOBFM – Job Setup; standard Treeview path: Job Costing > Job > Enter Job – Job Detail tab

The value in the Projection Threshold % field on the Job Setup screen defaults from the Job Cost Control File.

This field is not nullable. When no threshold percent is required, then this field should be set to zero (0.00). In this case, no projection threshold is applied.

When there is a non-zero projection percent entered, then the value will be compared against the percent complete value in forecasting. Users can override this value at the job level as required.

Contract Forecasting with PCI Projections - R12

The screenshot shows the 'Assign Job Cost Codes' interface. At the top, there's a 'Selection Criteria' section with fields for Company (CCC), Job (24042019), and Budget Effective Date. Below this is a grid titled 'Cost Code Detail' with columns for * Cost Code, Description, Estimated End Date, Billing Rate Table, Max Revenue Cap, Projection Threshold %, Billing, * Active, * Factorable, Name, Add/Remove Categories, and Category Detail. The 'Projection Threshold %' column is highlighted with a red box and an arrow pointing to a callout bubble that says 'Threshold override at cost code (phase) level'. The grid contains several rows of cost codes, each with a unique ID, description, and various status indicators.

* Cost Code	Description	Estimated End Date	Billing Rate Table	Max Revenue Cap	Projection Threshold %	Billing	* Active	* Factorable	Name	Add/Remove Categories	Category Detail
01	General Conditions					<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Add/Remove Categories	Category Detail
01-100	Temporary Structures	31-Dec-2021				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Add/Remove Categories	Category Detail
01280	Field Office	31-Dec-2021				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Add/Remove Categories	Category Detail
01540	Construction Aids	31-Dec-2021				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Add/Remove Categories	Category Detail
02	SITE CONSTRUCTION					<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Add/Remove Categories	Category Detail
02055	Soil	31-Dec-2021				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Add/Remove Categories	Category Detail
02315	Excavation and Fill	31-Dec-2021				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Add/Remove Categories	Category Detail
10	SPECIALTIES					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Add/Remove Categories	Category Detail
10430	Exterior Signage	31-Dec-2021				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Add/Remove Categories	Category Detail

Pgm: JCOPRODSU – Assign Job Cost Codes; standard Treeview path: Job Costing > Job > Assign Cost Codes

The cost code (phase) level Projection Threshold % column can be left as null on the Assign Job Cost Codes screen. If it is left as null, then the program will use the value entered at the job level in the Projection Threshold % field on the Job Setup screen. When required, users can enter an override for any specific cost codes (phase codes), which will be used on bill codes with specific cost codes.

Contract Forecasting with PCI Projections - R12

ASSIGN JOB COST CODES

Selection Criteria																																																																																																																																																											
* Company	CCC	CMIC Construction Company	* Job	24042019	24042019 - Projection Threshold	Budget Effective Date																																																																																																																																																					
Use Cost Code Template		Use Existing Job																																																																																																																																																									
<input type="checkbox"/> Copy Cost Code WC Codes <input type="checkbox"/> Use Existing Bill Codes <input type="checkbox"/> Retain Budget <input type="checkbox"/> Retain Bill Rate Tables <input type="checkbox"/> Populate Cost Codes <input type="checkbox"/> Add/Remove Categories <input type="checkbox"/> Add Cost Codes																																																																																																																																																											
Cost Code Detail <table border="1"> <thead> <tr> <th colspan="12">Cost Code Detail</th> </tr> <tr> <th colspan="12"> View <input type="button"/> Freeze <input type="button"/> Detach <input type="button"/> Search <input type="button"/> Insert <input type="button"/> Insert Multiple <input type="button"/> Delete <input type="button"/> Workflows <input type="button"/> Report Options <input type="button"/> Export <input type="button"/> ECM Documents <input type="button"/> User Extensions </th> </tr> <tr> <th>* Cost Code</th> <th>Description</th> <th>Estimated End Date</th> <th>Billing Rate Table</th> <th>Max Revenue Cap</th> <th>Projection Threshold %</th> <th>Billing</th> <th>* Active</th> <th>* Factorable</th> <th>Name</th> <th>Add/Remove Categories</th> <th>Category Detail</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>General Conditions</td> <td>31-Dec-2021</td> <td></td> <td></td> <td>32</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td><input type="button"/> Add/Remove Categories</td> <td><input type="button"/> Category Detail</td> </tr> <tr> <td>01-100</td> <td>Temporary Structures</td> <td>31-Dec-2021</td> <td></td> <td></td> <td>28</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td><input type="button"/> Add/Remove Categories</td> <td><input type="button"/> Category Detail</td> </tr> <tr> <td>01280</td> <td>Field Office</td> <td>31-Dec-2021</td> <td></td> <td></td> <td>25</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td><input type="button"/> Add/Remove Categories</td> <td><input type="button"/> Category Detail</td> </tr> <tr> <td>01540</td> <td>Construction Aids</td> <td>31-Dec-2021</td> <td></td> <td></td> <td></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td><input type="button"/> Add/Remove Categories</td> <td><input type="button"/> Category Detail</td> </tr> <tr> <td>02</td> <td>SITE CONSTRUCTION</td> <td>31-Dec-2021</td> <td></td> <td></td> <td>25</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td><input type="button"/> Add/Remove Categories</td> <td><input type="button"/> Category Detail</td> </tr> <tr> <td>02055</td> <td>Soil</td> <td>31-Dec-2021</td> <td></td> <td></td> <td></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td><input type="button"/> Add/Remove Categories</td> <td><input type="button"/> Category Detail</td> </tr> <tr> <td>02315</td> <td>Excavation and Fill</td> <td>31-Dec-2021</td> <td></td> <td></td> <td></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td><input type="button"/> Add/Remove Categories</td> <td><input type="button"/> Category Detail</td> </tr> <tr> <td>10</td> <td>SPECIALTIES</td> <td>31-Dec-2021</td> <td></td> <td></td> <td></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td><input type="button"/> Add/Remove Categories</td> <td><input type="button"/> Category Detail</td> </tr> <tr> <td>10430</td> <td>Exterior Signage</td> <td>31-Dec-2021</td> <td></td> <td></td> <td></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td><input type="button"/> Add/Remove Categories</td> <td><input type="button"/> Category Detail</td> </tr> </tbody> </table>												Cost Code Detail												View <input type="button"/> Freeze <input type="button"/> Detach <input type="button"/> Search <input type="button"/> Insert <input type="button"/> Insert Multiple <input type="button"/> Delete <input type="button"/> Workflows <input type="button"/> Report Options <input type="button"/> Export <input type="button"/> ECM Documents <input type="button"/> User Extensions												* Cost Code	Description	Estimated End Date	Billing Rate Table	Max Revenue Cap	Projection Threshold %	Billing	* Active	* Factorable	Name	Add/Remove Categories	Category Detail	01	General Conditions	31-Dec-2021			32	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail	01-100	Temporary Structures	31-Dec-2021			28	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail	01280	Field Office	31-Dec-2021			25	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail	01540	Construction Aids	31-Dec-2021				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail	02	SITE CONSTRUCTION	31-Dec-2021			25	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail	02055	Soil	31-Dec-2021				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail	02315	Excavation and Fill	31-Dec-2021				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail	10	SPECIALTIES	31-Dec-2021				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail	10430	Exterior Signage	31-Dec-2021				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail
Cost Code Detail																																																																																																																																																											
View <input type="button"/> Freeze <input type="button"/> Detach <input type="button"/> Search <input type="button"/> Insert <input type="button"/> Insert Multiple <input type="button"/> Delete <input type="button"/> Workflows <input type="button"/> Report Options <input type="button"/> Export <input type="button"/> ECM Documents <input type="button"/> User Extensions																																																																																																																																																											
* Cost Code	Description	Estimated End Date	Billing Rate Table	Max Revenue Cap	Projection Threshold %	Billing	* Active	* Factorable	Name	Add/Remove Categories	Category Detail																																																																																																																																																
01	General Conditions	31-Dec-2021			32	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail																																																																																																																																																
01-100	Temporary Structures	31-Dec-2021			28	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail																																																																																																																																																
01280	Field Office	31-Dec-2021			25	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail																																																																																																																																																
01540	Construction Aids	31-Dec-2021				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail																																																																																																																																																
02	SITE CONSTRUCTION	31-Dec-2021			25	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail																																																																																																																																																
02055	Soil	31-Dec-2021				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail																																																																																																																																																
02315	Excavation and Fill	31-Dec-2021				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail																																																																																																																																																
10	SPECIALTIES	31-Dec-2021				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail																																																																																																																																																
10430	Exterior Signage	31-Dec-2021				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="button"/> Add/Remove Categories	<input type="button"/> Category Detail																																																																																																																																																
Enter overrides as required or leave as null to use the default from the job level																																																																																																																																																											

Pgm: JCPRDSU – Assign Job Cost Codes; standard Treeview path: Job Costing > Job > Assign Cost Codes

Calculations

If % Complete is \geq Threshold %

then, no projection threshold is applicable and standard calculation applies.

If % Complete is $<$ Threshold %

then, projection threshold is used in calculating the projected cost forecast.

Examples

Example 1: % Complete is \geq Projection Threshold %

JOB DETAIL

Job Detail		Settings	Accounts	AP Taxes	Job Billing	WIP	Payroll	Bank	Security	Equipment Locations	Compliance	PO / WO				
<input type="button" value="Search"/> <input type="button" value="Insert"/> <input type="button" value="Delete"/> <input type="button" value="Previous"/> <input type="button" value="Next"/> <input type="button" value="Workflows"/> <input type="button" value="Report Options"/> <input type="button" value="Attachments"/> <input type="button" value="Notes"/> <input type="button" value="ECM Documents"/> <input type="button" value="User Extensions"/>																
* Job Code	1504088	1508044 - Projection Threshold														
* Control Job	ALL	<input type="checkbox"/> Bid Job	Bid Date	<input type="text"/>	<input style="width: 20px; height: 20px; vertical-align: middle;" type="button" value="..."/>	Status	Pending									
Billing Method	Job Billing	<input type="checkbox"/> Contract	1504088	* Valid	<input checked="" type="checkbox"/>											
* Customer	AETNA	<input type="button" value="Update Customer"/>														
Project Manager	<input type="text"/>	Contact Name	<input type="text"/>													
Terms	NET30	Net 30														
Location	<input type="text"/>	<input type="text"/>														
Warehouse	<input type="text"/>	<input type="text"/>														
Accounting Method	Billing and Costs	<input type="checkbox"/> Default Department	00													
* Revenue Generation	As Costs Incurred (Without GL)															
Market Sector	<input type="text"/>															
Estimated Start Date	01-Jan-2018	<input style="width: 20px; height: 20px; vertical-align: middle;" type="button" value="..."/>	Estimated End Date	31-Dec-2020	<input style="width: 20px; height: 20px; vertical-align: middle;" type="button" value="..."/>											
Inter-Branch Expense Category	<input type="text"/>	<input style="width: 20px; height: 20px; vertical-align: middle;" type="button" value="..."/>	Spread Rule Code	<input type="text"/>	<input style="width: 20px; height: 20px; vertical-align: middle;" type="button" value="..."/>											
Original Contract Amount	100,000.00															
Current Contract Amount	100,000.00															
Original Earnings	<input type="text"/>	<input type="text" value="Projection Threshold %"/> 20.00														
Equipment Max Charge Out (%)	<input type="text"/>															

Set the Projection
Threshold as 20% at Job
Level
At Phase level it is NULL

Contract Forecasting with PCI Projections - R12

Contract

Contract: 1504088 Year: 2018 Status: In Process Filter: Cost/Revenue Show: Zero Cost Lines, Zero Cost and Revenue Lines, Current Activity Only, Overrides Only Hide: Zero Projected Cost Lines Rows: Recoverable, Non-Recoverable, Both Go

Forecast has been refreshed

Bill Codes

N	Att	Freeze	Contract C...	Bill Code	Job	Phase	Name	Category	Type	Meth...	S... Pending CO Say (Incl. Risk)	Projected Cost Budget	Spent/Com... (Pending CO)	Cost to Complete		Projected Cost Forecast	Cost Variance	Cost To Co... (Pending CO)	Proj. Cost Fo... (Incl. Pending C)
		Update									0.00	20,000.00	0.00	8,330.00		14,280.00	5,720.00	0.00	14,280.00
											11,050.00		17,000.00	3,000.00	0.00	17,000.00			
											8,330.00		14,280.00	5,720.00	0.00	14,280.00			
											11,050.00		17,000.00	3,000.00	0.00	17,000.00			
											14,050.00		20,000.00	0.00	0.00	20,000.00			
											20,000.00		20,000.00	0.00	0.00	20,000.00			
											20,000.00		20,000.00	0.00	0.00	20,000.00			
											0.00		0.00	0.00	0.00	0.00			
											0.00		0.00	0.00	0.00	0.00			
											20,000.00		20,000.00	0.00	0.00	20,000.00			
											20,000.00		20,000.00	0.00	0.00	20,000.00			
											0.00		0.00	0.00	0.00	0.00			
											152,810.00		182,560.00	17,440.00	0.00	182,560.00			
											8,330.00		14,280.00	5,720.00	0.00	14,280.00			
											92,810.00		122,560.00	17,440.00	0.00	122,560.00			
											152,810.00		182,560.00	17,440.00	0.00	182,560.00			
											152,810.00		182,560.00	17,440.00	0.00	182,560.00			

Shared Savings:
Lump Sum:
Phase Total:
Division:
Job Total:
Total:

% Complete = 25/60 = 41.66%
Job Level Projection Threshold = 20%
41.66 > 20%
NO Projection Threshold is used and regular calculation apply in determining the Estimate To Complete & Projected Cost Forecast values

Standard Calculation 'P' Lines:

Estimate To Complete = Remaining Output Units * Current Output Rate = 35.00 * 238.00 = 8,330.00

Remaining Input Quantity = Estimate To Complete / Current Input Rate = 8,330.00 / 85.00 = 98

Projected Cost = Projected Output Units * Current Output Rate = 60 * 238.00 = 14,280.00

Standard Calculation 'U' Lines:

The screenshot shows the CMiC software interface for contract forecasting. At the top, there's a filter bar with options like 'Cost/Revenue' and 'Projected Cost'. Below it is a table of tasks with columns for Name, Category, Type, and Pending CO (Incl. Risk). A modal window titled 'Productivity/Units' is overlaid, showing a table of productivity data. In the bottom-left corner of this modal, a red box highlights the 'Projected Cost Forecast' section, which contains the following calculation:

U Lines

Projected Cost Forecast = (Budgeted Units / Completed Units) * Completed Amount

$$= (200 / 70) * 5950$$

$$= 17,000.00$$

Projected Cost Forecast = (Budgeted Units / Completed Units) * Completed Amount

$$= (200 / 70) * 5950$$

$$= 17,000.00$$

Estimate To Complete = 11,050.00

Example 2: % Complete < Projection Threshold %

Projected Cost Forecast = Max {Budget, Calculated Projected Cost Forecast Amount}

Contract Forecasting with PCI Projections - R12

JOB DETAIL

Job Detail	Settings	Accounts	AP Taxes	Job Billing	WIP	Payroll	Bank	Security	Equipment Locations	Compliance	PO / WO
<input type="button" value="Search"/> <input type="button" value="Insert"/> <input type="button" value="Delete"/> <input type="button" value="Previous"/> <input type="button" value="Next"/> <input type="button" value="Workflows"/> <input type="button" value="Report Options"/> <input type="button" value="Attachments"/> <input type="button" value="Notes"/> <input type="button" value="ECM Documents"/> <input type="button" value="User Extensions"/>											
* Job Code <input type="text" value="1504088"/>		1508044 - Projection Threshold									
* Control Job <input type="text" value="ALL"/>		<input type="checkbox"/> Bid Job		<input type="checkbox"/> Bid Date				Status <input type="text" value="Pending"/>			
Billing Method <input type="text" value="Job Billing"/>		<input checked="" type="checkbox"/>		Contract <input type="text" value="1504088"/>		<input type="checkbox"/> * Valid		<input checked="" type="checkbox"/>			
* Customer <input type="text" value="AETNA"/>				<input type="text" value="Aetna Insurance"/>		<input type="button" value="Update Customer"/>					
Project Manager <input type="text"/>				<input type="text" value="Contact Name"/>							
Terms <input type="text" value="NET30"/>				<input type="text" value="Net 30"/>							
Location <input type="text"/>											
Warehouse <input type="text"/>											
Accounting Method <input type="text" value="Billing and Costs"/>				Default Department <input type="text" value="00"/>							
* Revenue Generation <input type="text" value="As Costs Incurred (Without GL)"/>											
Market Sector <input type="text"/>											
Estimated Start Date <input type="text" value="01-Jan-2018"/>				Estimated End Date <input type="text" value="31-Dec-2020"/>							
Inter-Branch Expense Category <input type="text"/>				Spread Rule Code <input type="text"/>							
Original Contract Amount <input type="text" value="100,000.00"/>				Effective Date <input type="text"/>							
Current Contract Amount <input type="text" value="100,000.00"/>				Project Start Date <input type="text"/>							
Original Earnings <input type="text"/>				Projection Threshold % <input type="text" value="75.00"/>							
Equipment Max Charge Out (%) <input type="text"/>											

Projection Threshold
greater than the %
Complete in
Forecasting

Upon Refresh, the Projection Threshold % is validated again and re-calculation applies

Contract Forecasting with PCI Projections - R12

Contract

Contract	1504088	Year	2018	Status	In Process	Filter	<input checked="" type="radio"/> Cost/Revenue	<input type="radio"/> Projected Cost	Show	<input checked="" type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines	Hide	<input type="checkbox"/> Zero Projected Cost Lines	Rows	<input type="radio"/> Recoverable	<input type="radio"/> Non-Recoverable	<input checked="" type="radio"/> Both	Go																																			
Job		Period	4							<input type="checkbox"/> Current Activity Only	<input type="checkbox"/> Overrides Only																																										
Forecast has been refreshed																																																					
Bill Codes																																																					
N	Att	Freeze	Contract C...	Bill Code	Job	Phase	Name	Category	Type	Meth...	Swing	Savahl PCI	Pending CO	Projected Cost Budget	Spent/Com...	Cost to Complete		Projected Cost Forecast	Cost Variance	Cost To Co...	(Pending CO)	Proj (Inc)																															
		Update										To Compl	(Incl. Risk)																																								
			1504088	1504088.01-100.1000	1504088	01-100	Blue Prints	1000	COST	P	N	0.00	0.00	20,000.00	0.00	14,050.00	▲	20,000.00	0.00	0.00	0.00																																
			1504088	1504088.01-101.2000	1504088										0.00	14,050.00	▲	20,000.00	0.00	0.00	0.00																																
			1504088	1504088.01-102.1000	1504088										0.00	14,050.00	▲	20,000.00	0.00	0.00	0.00																																
			1504088	1504088.01-102.2000	1504088										0.00	14,050.00	▲	20,000.00	0.00	0.00	0.00																																
			1504088	1504088.01-102.3000	1504088										0.00	14,050.00	▲	20,000.00	0.00	0.00	0.00																																
			1504088	1504088.01-103.4000	1504088										0.00	20,000.00	▲	20,000.00	0.00	0.00	0.00																																
			1504088	1504088.01-103.5000	1504088										0.00	20,000.00	▲	20,000.00	0.00	0.00	0.00																																
			1504088	1504088.02-100.1000	1504088										0.00	0.00	▲	0.00	0.00	0.00	0.00																																
			1504088	1504088.02-100.2000	1504088										0.00	0.00	▲	0.00	0.00	0.00	0.00																																
			1504088	1504088.02-100.3000	1504088										0.00	0.00	▲	0.00	0.00	0.00	0.00																																
			1504088	1504088.02-200.1000	1504088										0.00	20,000.00	▲	20,000.00	0.00	0.00	0.00																																
			1504088	1504088.02-200.2000	1504088										0.00	20,000.00	▲	20,000.00	0.00	0.00	0.00																																
			1504088	1504088.02-200.3000	1504088										0.00	20,000.00	▲	20,000.00	0.00	0.00	0.00																																
Shared Savings																																																					
Lump Sum:																																																					
Phase Total:																																																					
Division Total:																																																					
Job Total:																																																					
Total:																																																					
P Line When % Complete < Projection Threshold 75% then Max {Budget, Calculated Projected Amount} = 20,000.00																																																					
<table border="1"> <thead> <tr> <th></th> <th>Budgeted</th> <th>Current</th> <th>Go Forward Override</th> <th></th> </tr> </thead> <tbody> <tr> <td>Budgeted</td> <td>100.00</td> <td>85.00</td> <td></td> <td>\$ / HR</td> </tr> <tr> <td>Complete</td> <td>333.33</td> <td>238.00</td> <td></td> <td>\$ / NA</td> </tr> <tr> <td>Projected</td> <td>0.3</td> <td>0.36</td> <td></td> <td>NA / HR</td> </tr> <tr> <td>Remaining</td> <td>3.3333</td> <td>2.8</td> <td></td> <td>HR / NA</td> </tr> <tr> <td>Estimate To Complete</td> <td>14,050.00</td> <td>8,329.89</td> <td></td> <td>14,050.00</td> </tr> <tr> <td>Projected Cost</td> <td>20,000.00</td> <td>14,279.89</td> <td></td> <td>20,000.00</td> </tr> </tbody> </table>																				Budgeted	Current	Go Forward Override		Budgeted	100.00	85.00		\$ / HR	Complete	333.33	238.00		\$ / NA	Projected	0.3	0.36		NA / HR	Remaining	3.3333	2.8		HR / NA	Estimate To Complete	14,050.00	8,329.89		14,050.00	Projected Cost	20,000.00	14,279.89		20,000.00
	Budgeted	Current	Go Forward Override																																																		
Budgeted	100.00	85.00		\$ / HR																																																	
Complete	333.33	238.00		\$ / NA																																																	
Projected	0.3	0.36		NA / HR																																																	
Remaining	3.3333	2.8		HR / NA																																																	
Estimate To Complete	14,050.00	8,329.89		14,050.00																																																	
Projected Cost	20,000.00	14,279.89		20,000.00																																																	
<input checked="" type="checkbox"/> 100% ▼																																																					
There are null records in database for this period. Page 1, 1 - 13 displayed, 1 pages, 13 records total.																																																					
<input type="button" value="Print"/> <input type="button" value="Print Preview"/> <input type="button" value="Email"/> <input type="button" value="Copy"/> <input type="button" value="Print"/> Per Page: 50 <input type="checkbox"/> <input type="button" value="Print"/> <input type="button" value="Print Preview"/> <input type="button" value="Email"/> <input type="button" value="Copy"/>																																																					

Contract Forecasting with PCI Projections - R12

Contract

Contract: 1504088 Year: 2018 Status: In Process Filter: Cost/Revenue Show: Zero Cost Lines Zero Cost and Revenue Lines Current Activity Only Overrides Only Hide: Zero Projected Cost Lines Rows: Recoverable Non-Recoverable Both Go

Forecast has been refreshed

Bill Codes																					
N	Att	Contract C...	Bill Code	Job	Phase	Name	Category	Type	Meth...	Saving	Savahl PCI	Pending CO	Projected Cost Budget	Spent/Com...	Cost to Complete		Projected Cost Forecast	Cost Variance	Cost To Co...	Cost to Co... (Pending CO)	Proj (Incl)
		1504088	1504088.01-100.1000	1504088	01-100	Blue Prints	1000	COST P	N	0.00	0.00	20,000.00	0.00	14,050.00	▲	20,000.00	0.00	0.00	0.00		
		1504088	1504088.01-101.2000	1504088	01-101	Signage	2000	COST U	N	0.00	0.00	20,000.00	0.00	14,050.00	▲	20,000.00	0.00	0.00	0.00		
		1504088	1504088.01-102.1000	1504088	01-102								0.00	14,050.00	▲	20,000.00	0.00	0.00	0.00		
		1504088	1504088.01-102.2000	1504088	01-102								0.00	14,050.00	▲	20,000.00	0.00	0.00	0.00		
		1504088	1504088.01-102.3000	1504088	01-102								0.00	14,050.00	▲	20,000.00	0.00	0.00	0.00		
		1504088	1504088.01-103.4000	1504088	01-103								0.00	20,000.00	▲	20,000.00	0.00	0.00	0.00		
		1504088	1504088.01-103.5000	1504088	01-103								0.00	20,000.00	▲	20,000.00	0.00	0.00	0.00		
		1504088	1504088.02-100.1000	1504088	02-100								0.00	0.00	▲	0.00	0.00	0.00	0.00		
		1504088	1504088.02-100.2000	1504088	02-100								0.00	0.00	▲	0.00	0.00	0.00	0.00		
		1504088	1504088.02-100.3000	1504088	02-100								0.00	0.00	▲	0.00	0.00	0.00	0.00		
		1504088	1504088.02-200.1000	1504088	02-200								0.00	20,000.00	▲	20,000.00	0.00	0.00	0.00		
		1504088	1504088.02-200.2000	1504088	02-200								0.00	20,000.00	▲	20,000.00	0.00	0.00	0.00		
		1504088	1504088.02-200.3000	1504088	02-200								0.00	20,000.00	▲	20,000.00	0.00	0.00	0.00		
Shared Savings:																					
Lump Sum:																					
Phase Total:																					
Division Total:																					
Job Total:																					
Total:																					

Productivity/Units - Internet Explorer
http://test4v10.cnic.ca:7785/cmcipretestv10x/JcContractForecastL/showProductivityPopup.do?for=1504088

Productivity/Units

Save Cancel

Phase 01-101 - Signage

Category 2000 - Subcontracts

Output Input

Budgeted	60	NA	20,000.00	200	LS
Complete	25	NA	5,950.00	70	LS
Projected	60	NA	20000	168	LS
Remaining	35.0	NA	14050.00	98.0	LS

Budgeted Current Go Forward Override

Input Rate	100.00	85.00		\$ / LS
Output Rate	333.33	238.00		\$ / NA
Productivity	0.3	0.36		NA / LS
Yield	3.3333	2.8		LS / NA
Estimate To Complete	14,050.00	8,329.89		14,050.00
Projected Cost	20,000.00	14,279.89		20,000.00

100%

There are null records in database for this period. Page 1, 1 - 13 displayed, 1 pages 13 records totally.

Example 3: Job Level Projection Threshold

Job Detail Settings Accounts AP Taxes Job Billing WIP Payroll Bank Security Equipment Locations Compliance PO / WO

Search Insert Delete Previous Next Workflows Report Options Attachments Notes ECM Documents User Extensions

* Job Code: 1504088 1508044 - Projection Threshold

* Control Job: ALL Bid Job Bid Date Status: Pending

Billing Method: Job Billing Contract: 1504088 * Valid: Y

* Customer: AETNA Aetna Insurance Update Customer

Project Manager Contact Name

Terms: NET30 Net 30

Location

Warehouse

Accounting Method: Billing and Costs Default Department: 00

* Revenue Generation: As Costs Incurred (Without GL)

Market Sector

Estimated Start Date: 01-Jan-2018 Estimated End Date: 31-Dec-2020

Inter-Branch Expense Category

Original Contract Amount: 100,000.00

Current Contract Amount: 100,000.00

Original Earnings

Equipment Max Charge Out (%):

Projection Threshold %: 38.00

Projection Threshold = 38%
% Complete on P line = 41.66
% Complete on U line = 35.00

Contract Forecasting with PCI Projections - R12

Example 4: Phase Level Projection Threshold

ASSIGN JOB COST CODES

SELECTION CRITERIA

* Company	ZZ	CMIC Test Company
Job	1504088	1508044 - Projection Threshold
Use Cost Code Template		Budget Effective Date
<input type="checkbox"/> Copy Cost Code WC Codes <input type="checkbox"/> Use Existing Bill Codes <input type="checkbox"/> Retain Budget <input type="checkbox"/> Retain Bill Rate Tables		Populate Cost Codes Add/Remove Categories Add Cost Codes

COST CODE DETAIL

* Cost Code	Description	Due	Budgeted Revenue Amount	Estimated Start Date	Estimated End Date	Billing Rate Table	Max Revenue Cap	Projection Threshold %	Billing	* Active	* Factorable
01	GENERAL CONDITIONS								<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
01-100	Blue Prints	.3333	20,000.00	01-Jan-2018	31-Dec-2020			20	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
01-101	Signage	.3333	20,000.00	01-Jan-2018	31-Dec-2020			40	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
01-102	Progress Photos	.0000	60,000.00	01-Jan-2018	31-Dec-2020				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
01-103	Site Office		40,000.00	01-Jan-2018	31-Dec-2020				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
02	SITE WORK								<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
02-100	Excavation			01-Jan-2018	31-Dec-2020				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
02-200	Back Fill		60,000.00	01-Jan-2018	31-Dec-2020				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Cost Code level Projection Threshold

Contract Forecasting with PCI Projections - R12

ASSIGN JOB COST CODES

SELECTION CRITERIA

* Company ZZ CMIC Test Company
Job 1504088 1508044 - Projection Threshold
Use Cost Code Template
 Copy Cost Code WC Codes Use Existing Bill Codes Retain Budget Retain Bill Rate Tables **Populate Cost Codes** **Add/Remove Categories** **Add Cost Codes**

COST CODE DETAIL

View ▾

* Cost Code	Description	Budgeted Revenue Amount	Estimated Start Date	Estimated End Date	Billing Rate Table	Max Revenue Cap	Projection Threshold %	Billing	* Active	* Factorable	
01	GENERAL CONDITIONS								<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
01-100	Blue Prints	3333	20,000.00	01-Jan-2018	31-Dec-2020		100	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
01-101	Signage	3333	20,000.00	01-Jan-2018	31-Dec-2020		100	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
01-102	Progress Photos	0000	60,000.00	01-Jan-2018	31-Dec-2020			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
01-103	Site Office		40,000.00	01-Jan-2018	31-Dec-2020			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
02	SITE WORK							<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
02-100	Excavation			01-Jan-2018	31-Dec-2020			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
02-200	Back Fill		60,000.00	01-Jan-2018	31-Dec-2020			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Funding Source **Validate Cost Codes** **Apply Budgets** **Update Dates** **Budget** **Add New Bill Codes**

What does 100% mean?
In this example, they are greater than the % Complete. Hence Max {Budget vs Projected Cost Amount} will be used

Contract Forecasting with PCI Projections - R12

ASSIGN JOB COST CODES

SELECTION CRITERIA

* Company	ZZ	CMIC Test Company					
Job	1504088	1508044 - Projection Threshold					
Use Cost Code Template		Budget Effective Date					
<input type="checkbox"/> Copy Cost Code WC Codes		<input type="checkbox"/> Use Existing Bill Codes	<input type="checkbox"/> Retain Budget	<input type="checkbox"/> Retain Bill Rate Tables	Populate Cost Codes	Add/Remove Categories	Add Cost Codes

COST CODE DETAIL

* Cost Code	Description	Due	Budgeted Revenue Amount	Estimated Start Date	Estimated End Date	Billing Rate Table	Max Revenue Cap	Projection Threshold %	Billing	* Active	* Factorable
01	GENERAL CONDITIONS								<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
01-100	Blue Prints	.3333	20,000.00	01-Jan-2018	31-Dec-2020			0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
01-101	Signage	.3333	20,000.00	01-Jan-2018	31-Dec-2020			0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
01-102	Progress Photos	.0000	60,000.00	01-Jan-2018	31-Dec-2020			0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
01-103	Site Office		40,000.00	01-Jan-2018	31-Dec-2020			0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
02	SITE WORK								<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
02-100	Excavation			01-Jan-2018	31-Dec-2020				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
02-200	Back Fill		60,000.00	01-Jan-2018	31-Dec-2020				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Valid **Funding Source** **Validate Cost Codes** **Apply Budgets** **Update Dates** **Budget** **Add New Bill Codes**

What does 0.00% mean?

Contract Forecasting with PCI Projections - R12

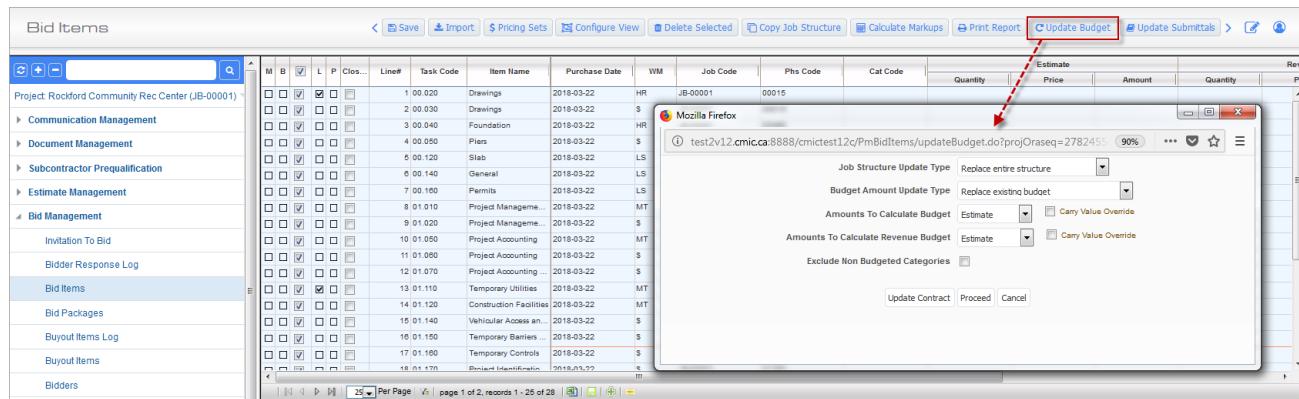
Contract																					
Contract	1504088	Year	2018	Status	In Process	Filter	<input checked="" type="radio"/> Cost/Revenue	<input type="radio"/> Projected Cost	Show	<input checked="" type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines			Hide	<input type="checkbox"/> Zero Projected Cost Lines	Recoverable					
Job		Period	4							<input type="checkbox"/> Current Activity Only	<input type="checkbox"/> Overrides Only				Rows	<input type="radio"/> Non-Recoverable					
Forecast has been refreshed																					
Bill Codes																					
N	Att	Freeze	Contract C...	Bill Code	Job	Phase	Name	Category	Type	Meth...	S...ng	Savai...	PCI	To Compl.	Pending CO	Projected Cost Budget	Spent/Com...	Cost to Complete			
		Update													(Incl. Risk)	(Pending CO)		Projected Cost Forecast			
			1504088	1504088.01-100.1000	1504088	01-100	Blue Prints	1000	COST	P	N	0.00	0.00	20,000.00	0.00	8,330.00	▲	14,280.00	5,720.00	0.00	
			1504088	1504088.01-101.2000	1504088	01-101	Signage	2000	COST	U	N	0.00	0.00	20,000.00	0.00	11,050.00	▲	17,000.00	3,000.00	0.00	
			1504088	1504088.01-102.1000	1504088	01-102	Progress Photos	1000	COST	P	N	0.00	0.00	20,000.00	0.00	8,330.00	▲	14,280.00	5,720.00	0.00	
			1504088	1504088.01-102.2000	1504088	01-102	Progress Photos	2000	COST	U	N	0.00	0.00	20,000.00	0.00	11,050.00	▲	17,000.00	3,000.00	0.00	
			1504088	1504088.01-102.3000	1504088	01-102	Progress Photos	3000	COST	A	N	0.00	0.00	20,000.00	0.00	14,050.00	▲	20,000.00	0.00	0.00	
			1504088	1504088.01-103.4000	1504088	01-103	Site Office	4000	COST	A	N	0.00	0.00	20,000.00	0.00	20,000.00	▲	20,000.00	0.00	0.00	
			1504088	1504088.01-103.5000	1504088	01-103	Site Office	5000	COST	A	N	0.00	0.00	20,000.00	0.00	20,000.00	▲	20,000.00	0.00	0.00	
			1504088	1504088.02-100.1000	1504088	02-100	Excavation	1000	COST	P	N	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	0.00	0.00
			1504088	1504088.02-100.2000	1504088	02-100	Excavation	2000	COST	U	N	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	0.00	0.00
			1504088	1504088.02-100.3000	1504088	02-100	Excavation	3000	COST	A	N	0.00	0.00	0.00	0.00	0.00	▲	0.00	0.00	0.00	0.00
			1504088	1504088.02-200.1000	1504088	02-200	Back Fill	1000	COST	P	N	0.00	0.00	20,000.00	0.00	20,000.00	▲	20,000.00	0.00	0.00	
			1504088	1504088.02-200.2000	1504088	02-200	Back Fill	2000	COST	A	N	0.00	0.00	20,000.00	0.00	20,000.00	▲	20,000.00	0.00	0.00	
			1504088	1504088.02-200.3000	1504088	02-200	Back Fill	3000	COST	A	N	0.00	0.00	20,000.00	0.00	20,000.00	▲	20,000.00	0.00	0.00	
Shared Savings:												0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Lump Sum:												0.00	0.00	152,810.00	182,560.00	17,440.00	0.00				
Phase Total:												0.00	0.00	0.00	0.00	0.00	0.00				
Division Total:												0.00	0.00	0.00	0.00	0.00	0.00				
Job Total:												0.00	0.00	0.00	0.00	0.00	0.00				
Total:												0.00	0.00	152,810.00	182,560.00	17,440.00	0.00				

0.00 % Projection Threshold means, use standard calculation

Contract Forecasting - Bid Items in CMiC Field

Performing Budget Updates in Bid Items Screen for Pending Jobs

When budget updates are performed from the Bid Items screen for pending jobs in CMiC Field, the Original Contract Amount field in the Job Setup screen in the Job Costing module is recalculated by deducting the posted change order revenue amounts from the JC Revenue Budget amount. Normally, when changes are posted, the Current Contract Amount field on the Job Setup screen is updated by adding the change billing budget amount but the Original Contract Amount is not updated. Only Original Budget Change Order Billing budget amount will update this field.



Bid Items; standard Treeview path: CMiC Field > Bid Management > Bid Items

The screenshot shows the CMiC Job Setup interface with the 'Job Detail' tab selected. The 'Selection Criteria' section at the top includes a search bar for 'Company' set to 'CCC' and a 'Duplicate Job' button. Below this is the 'Job Detail' section with various input fields:

- Job Code:** JB-00001 (New Community Rec Center)
- Control Job:** ALL (Status: Pending)
- Customer:** ROCKFORD (City of Rockford, Update Customer button)
- Contract:** JB-00001 (Bid Job, Bid Date buttons)
- Revenue Generation:** As Costs Incurred (Without)
- Billing Method:** Job Billing (Valid: Y)
- Accounting Method:** Billing and Costs (Default Department: 00)
- Project Manager:** (Search button)
- Terms:** NET30 (Net 30)
- Location:** (Search button)
- Warehouse:** (Search button)
- Market Sector:** (Search button)

Below these are estimated dates and financial details:

- Estimated Start Date:** 12-Feb-2018
- Estimated End Date:** 29-May-2020
- Inter-Branch Expense Category:** (Search button)
- Original Contract Amount:** 773,450.00 (highlighted with a red box)
- Current Contract Amount:** 775,000.00
- Original Earnings:** 0.00
- Equipment Max Charge Out (%):** (Search button)
- Value Cap Cutoff:** (Search button)
- Replacement Value Cap (%):** (Search button)
- Spread Rule Code:** (Search button)
- Effective Date:** (Search button)
- Project Start Date:** (Search button)
- Projection Threshold %:** 0.00
- Discount (%):** (Search button)

At the bottom are 'Enter Notes' and 'CDI' buttons.

Pgm: JCJOBFM; standard Treeview path: Job Costing > Job > Enter Job – Job Detail tab

Updating Job Costing Structure and Budget using Bid Items

When updating the Job Costing structure and budget using bid items in CMiC Field, old cost codes are removed.

NOTE: The replace job structure will remove cost codes only when there is no contract bill code created.

Contract Forecasting with PCI Projections - R12

JC ENTER BUDGET

SELECTION CRITERIA

Company ZZ CMIC Test Company
Job 1849863 1849863 - Bid Item Replace JC Structure **Create Contract** **Assign Overhead Cost Rates**

BUDGET DETAIL

* Cost Code	Cost Code Name	* Category	Meth	Budgeted Amount	Budgeted Quantity	WM	Budgeted Unit Rate	Budgeted Revenue Amount	Budgeted Revenue Rate	P	Projected Final	Freeze Proj Amt Flag	Time Pha
01-100	Blue Prints	3000	A	10,000.00	100.000	NA	100.000	10,000.00	100.0000	L	10,000.00	<input type="checkbox"/>	<input type="checkbox"/>
01-100	Blue Prints	4000	A	12,500.00		NA		12,500.00		L	12,500.00	<input type="checkbox"/>	<input type="checkbox"/>
01-100	Blue Prints	9000	A	25,638.00		NA		25,638.00		L	25,638.00	<input type="checkbox"/>	<input type="checkbox"/>
01-101	Signage	1000	P	45,623.00	100.000	HR	456.230	45,623.00	456.2300	L	45,623.00	<input type="checkbox"/>	<input type="checkbox"/>
01-101	Signage	2000	A	75,896.00		NA		75,896.00		L	75,896.00	<input type="checkbox"/>	<input type="checkbox"/>
01-101	Signage	9000	A	23,568.00		NA		23,568.00		L	23,568.00	<input type="checkbox"/>	<input type="checkbox"/>
				193,225.00				193,225.00			193,225.00		

Job Name 1849863 - Bid Item Replace JC Structure **Calculate Value** **WBS Defaults** **Generate Time Phased Budget**
Category Name Equipment **View/Edit Time Phased Budget** **Synchronize** **Synchronize All**
Forecast Based On **Amounts** **Totals**

Pgm: JCBUDGET – JC Enter Budget; standard Treeview path: Job Costing > Job > Enter Budget

Enter Query Cancel Save Recalc Totals Add Bid Items Delete Selected Import Pricing Sets Configure View Update Submittals **Update Budget Copy Job Structure Calculate Markups Print Report**

M	B	L	P	Closed	Line#	Task Code	Alter ID	Item Name	Time		Targeted		Actual	
									Price	Amount	Quantity	Price	Amount	Quantity
□	□	□	□	□	1	Task1		Demolition (1000)						
□	□	□	□	□	2	01-1003000		Demolition (2000)						
□	□	□	□	□	3	01-1004000		Demolition (3000)						
□	□	□	□	□	4	01-1009000		Demolition (4000)						
□	□	□	□	□	5	01-1011000		BackFill (1000)						
□	□	□	□	□	6	01-1012000		BackFill (2000)						
□	□	□	□	□	7	01-1019000		BackFill (3000)						
Current Selection Total									0.00		0.00		0.00	
Project Total									0.00		0.00		0.00	

Bid Items; standard Treeview path: CMiC Field > Bid Management > Bid Items

Contract Forecasting with PCI Projections - R12

The screenshot shows a list of bid items in the background, with a modal dialog box in the foreground titled "Job Structure Update Type". The dialog contains several dropdown menus and checkboxes. At the bottom, there are three buttons: "Update Contract", "Proceed", and "Cancel". A red box highlights the "Update Budget" button in the top menu bar.

M	B	<input checked="" type="checkbox"/>	L	P	Closed	Line#	Task Code	Alter ID	Item Name	Purchase Date	WM	Item Type	Purchasing Type	PreEstimate 1			
														Quantity	Price	Amount	Quantity
		<input checked="" type="checkbox"/>					1	Task1	Demolition (1000)	2018-03-26	NA			1.00	12,500.00	12,500.00	
		<input checked="" type="checkbox"/>					2	01-1003000	Demolition (2000)		NA						
		<input checked="" type="checkbox"/>					3	01-1004000	Demolition (3000)		NA						
		<input checked="" type="checkbox"/>					4	01-1009000	Demolition (4000)		NA						
		<input checked="" type="checkbox"/>					5	01-1011000	BackFill (1000)		HR						
		<input checked="" type="checkbox"/>					6	01-1012000	BackFill (2000)		NA						
		<input checked="" type="checkbox"/>					7	01-1019000	BackFill (3000)		NA						

Current Selection Total: 12,500.00
Project Total: 12,500.00

The screenshot shows the "Assign Job Cost Codes" screen. It includes selection criteria for company (ZZ) and job (1849863), and a cost code detail grid. A message box at the bottom right states: "Entire Job Structure is replaced. Old Cost Codes removed".

* Cost Code	Description	* Control Cost Code	Cost Code Type	Single Cat Budget	WC	Budgeted Units	WM	Estimated Cost Rate	Estimated Cost Amount	Bu
02	SITE WORK	ALL					NA			
02-100	Demolition (2000)	02					NA			
02-200	BackFill (2000)	02					NA			

Entire Job Structure is replaced. Old Cost Codes removed

Contract Forecasting with PCI Projections - R12

BUDGET DETAIL

* Cost Code	Cost Code Name	* Category	Meth	Budgeted Amount	Budgeted Quantity	WM	Budgeted Unit Rate	Budgeted Revenue Amount	Budgeted Revenue Rate	P	Projected Final	Freeze Proj Amt Flag	Time Pha
02-100	Demolition (2000)	1000	P	12,500.00	1,000	NA	12,500.00	25,789.00	25,789.0000	L	12,500.00	<input type="checkbox"/>	<input type="checkbox"/>
02-100	Demolition (2000)	2000	A	28,965.00	1,000	NA	28,965.000	32,569.00	32,569.0000	L	28,965.00	<input type="checkbox"/>	<input type="checkbox"/>
02-100	Demolition (2000)	3000	A	45,896.00	1,000	NA	45,896.000	43,256.00	43,256.0000	L	45,896.00	<input type="checkbox"/>	<input type="checkbox"/>
02-100	Demolition (2000)	4000	A	65,879.00	1,000	NA	65,879.000	12,758.00	12,758.0000	L	65,879.00	<input type="checkbox"/>	<input type="checkbox"/>
02-200	BackFill (2000)	1000	P	36,547.00	1,000	HR	36,547.000	27,895.00	27,895.0000	L	36,547.00	<input type="checkbox"/>	<input type="checkbox"/>
02-200	BackFill (2000)	2000	A	15,263.00	1,000	NA	15,263.000	32,658.00	32,658.0000	L	15,263.00	<input type="checkbox"/>	<input type="checkbox"/>
02-200	BackFill (2000)	3000	A	27,896.00	1,000	NA	27,896.000	47,589.00	47,589.0000	L	27,896.00	<input type="checkbox"/>	<input type="checkbox"/>
				232,946.00				222,514.00			232,946.00		

Job Name: 1849863 - Bid Item Replace JC Structure Calculate Value WBS Defaults Generate Time Phased Budget
 Category Name: Labor View/Edit Time Phased Budget Synchronize Synchronize All
 Forecast Based On: Productivity Totals

Adding a Bid Item with a Cost Code Not Assigned to Job

Updating a bid item in the Bid Items screen in CMiC Field will update the Billing Type column value, as required, in the Assign Job Cost Codes screen in the Job Costing module, regardless of whether the cost code already exists in the Assign Job Cost Codes screen.

Bid Items

Bid Items																		
		M	B	L	P	Clos...	Line#	Task Code	Alter ID	Item Name	Retainage %	Spec Section	Spec Subsection	Job Code	Phs Code	Cat Code	Billing Type	Phase Qu
		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 TASK1	General Item	0	10		1853021	01-101	1000	MD			
		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 TASK2	Photos	0	10		1853021	01-103	1000	BPB			
		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3 TASK3	Sundry	0	10		1853021	01-999	1000	BPC			
		Current Selection Total																
		Project Total																
								TASK4	Site Work Billings		10.0000		1853021	02-999	1000	MD		

Adding a Bid Item with a cost code 02-999 NOT assigned to the job

Bid Items; standard Treeview path: CMiC Field > Bid Management > Bid Items

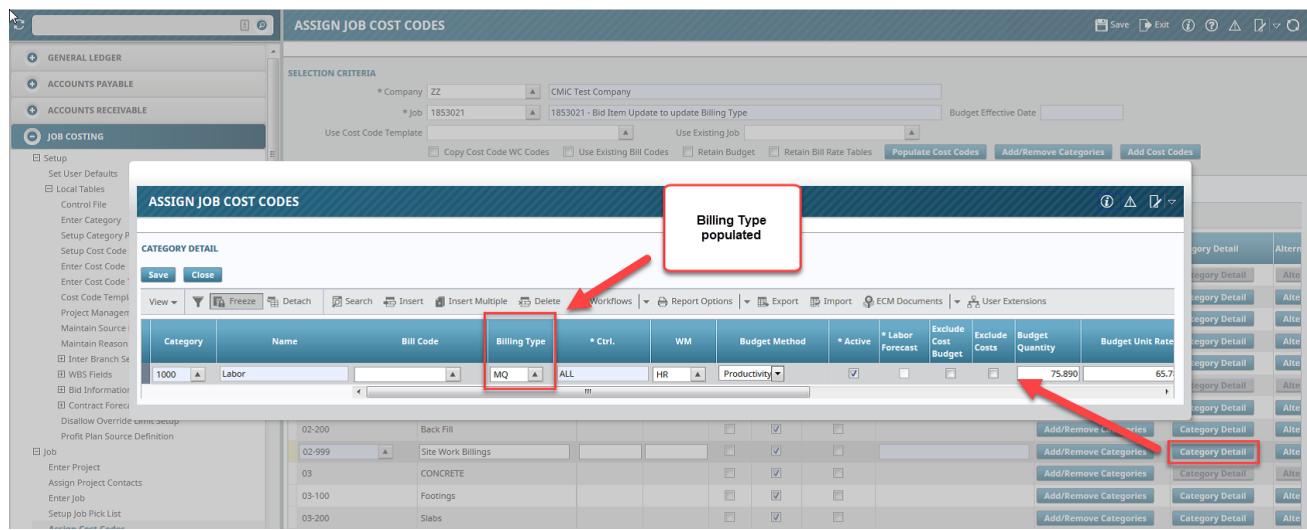
Contract Forecasting with PCI Projections - R12

The screenshot shows the CMiC Field interface with the 'Bid Items' module selected. A red arrow points from the 'Update Budget' button in the top menu bar to a detailed 'Job Structure Update' dialog window. This dialog contains fields for 'Job Structure Update Type' (set to 'Update existing and add new rows'), 'Budget Amount Update Type' (set to 'Replace existing budget'), and 'Amounts To Calculate Budget' (set to 'Targeted'). A large red box highlights the 'Update Budget' button at the bottom right of the dialog.

The screenshot shows the 'Assign Job Cost Codes' interface. A red box highlights the 'Cost Code added to the Job Structure' message displayed above the cost code grid. Another red arrow points from the 'Category Detail' button in the grid to a larger red box highlighting the same button. The cost code grid includes columns for * Cost Code, Description, Max Revenue Cap, Projection Threshold %, Billing, * Active, * Factorable, Name, Add/Remove Categories, Category Detail, and Altern.

Pgm: JCOPRODSU – Assign Job Cost Codes; standard Treeview path: Job Costing > Job > Assign Cost Codes

Contract Forecasting with PCI Projections - R12



Pop-up launched from [Category Detail] button on Assign Job Cost Codes screen

This page is intentionally left blank.

Contract Forecasting - Setup

Overview

Forecasting setup requires a thorough understanding of various modules within CMiC, such as Job Costing (JC), Job Billing (JB), Change Management (CM), CMiC Field, etc. These modules are integrated with various options to provide users with flexibility when configuring and implementing a forecasting system so that it meets their specific business needs.

There is no pyramidal structure of rules that govern the forecasting program and hence the setup requirements do require elaborate planning, understanding and configuring to implement a vastly successful forecasting system.

The following sections elaborate on the setup requirements for Contract Forecasting with PCI Projections in CMiC Field.

- [Contract Forecasting - Setup - Hidden Controls](#)
- [Contract Forecasting - Setup - System Data Module](#)
- [Contract Forecasting - Setup - CMiC Field](#)
- [Contract Forecasting - Setup - Job Costing Module](#)
- [Contract Forecasting - Setup - Job Billing Module](#)
- [Contract Forecasting - Setup - Change Management Module](#)

Contract Forecasting - Setup - Hidden Controls

Some controls related to forecasting in the Job Costing module are hidden from the user interface. These settings are hidden for the following reasons:

- Some settings are treated as an alternate feature and unique to a specific customer and may not be required for a majority of others.
- Some features may replace the commonly used programs and necessitate use of special/alternate programs.
- Some settings may not be allowed to be switched back and forth and are deemed as a one-time setting in the beginning of the implementation.

The following sections describe some of the hidden settings.

System Alternate Feature Table (Sys_alternate_feature)

Contract Forecast Independent Cost and Revenue Forecast Flag

If this flag is set as “Y”, then for bill codes with type “Cost”, updating the amount in the Projected Cost Forecast column will not change the amount in the Revenue Forecast column. Users have to manually override the Revenue Forecast column.

WIP Projected with Risk Flag

If the source for WIP is set as “Contract Forecast” in the WIP tab of the Job Cost Control File, and if the ‘WIP Projected with Risk Flag’ is set as “Y”, then the Projected Cost Forecast Including Pending CO with Risk will be the source for the Project Cost Forecast column in WIP. The Adjusted Revenue Forecast column will be the source for the Contract Amount column in WIP screen. If disabled, the Projected Cost Forecast and Revenue Forecast columns from the forecasting screen will be the source for Projected Cost Forecast and Contract Amount respectively for the WIP screen.

JB: Allow Bid Job Contract

The system generally allows billing contracts to be created only for non-bid jobs. It is not possible to do a labor and/or contract forecast on bid jobs as forecasting can be performed only on jobs with contract.

When the system alternate feature ('JB','ALLOW BID JOB CONTRACT') is installed, then contracts can be created for bid jobs and subsequent forecasting. The first task is

to allow for labor forecasting to be done on bid jobs. The following are the list of possibilities when this feature is turned ON:

- Allows creation of a contract on bid jobs.
- Allows creation of contract forecast on bid jobs.
- Allows creation of labor forecast on bid jobs.
- Copy bid contract details when the bid is won.
- Copy contract forecast and labor ETC when the bid is won.
- Copy original budget change orders when the bid is won.

System Options Table

SYS_ACTUAL_COST_FOR_SPENT Flag

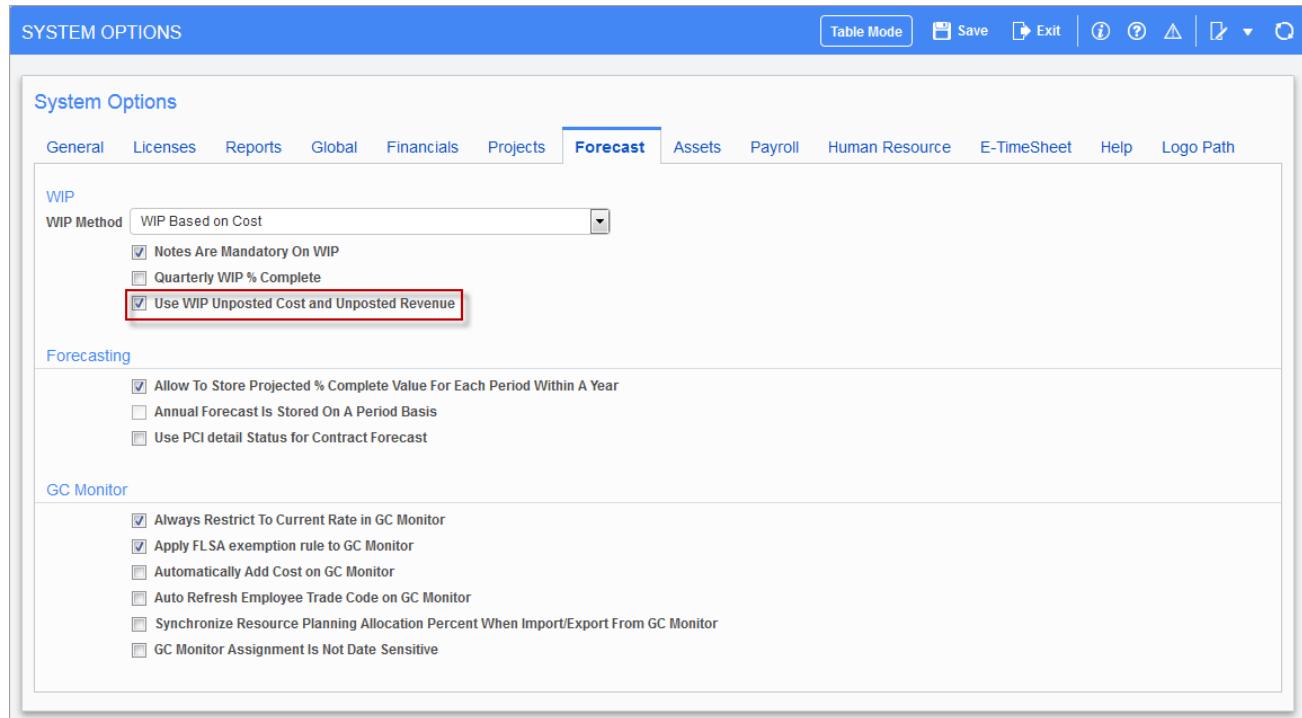
If this flag is set as “Y” and there is no actual cost posted, then the Actual Cost column will be left as null and NOT as zero and vice versa.

SYS_CMDETAIL_STAT_CFCAST_Flag

If this flag is set as “Y”, the system will look into the status of detailed lines of PCI but if it is set as “N”, the header status of PCI is considered for forecasting.

Refer to [Using System Options Flag to Consider PCI Detail Status in Contract Forecast](#) for more details.

Contract Forecasting - Setup - System Data Module

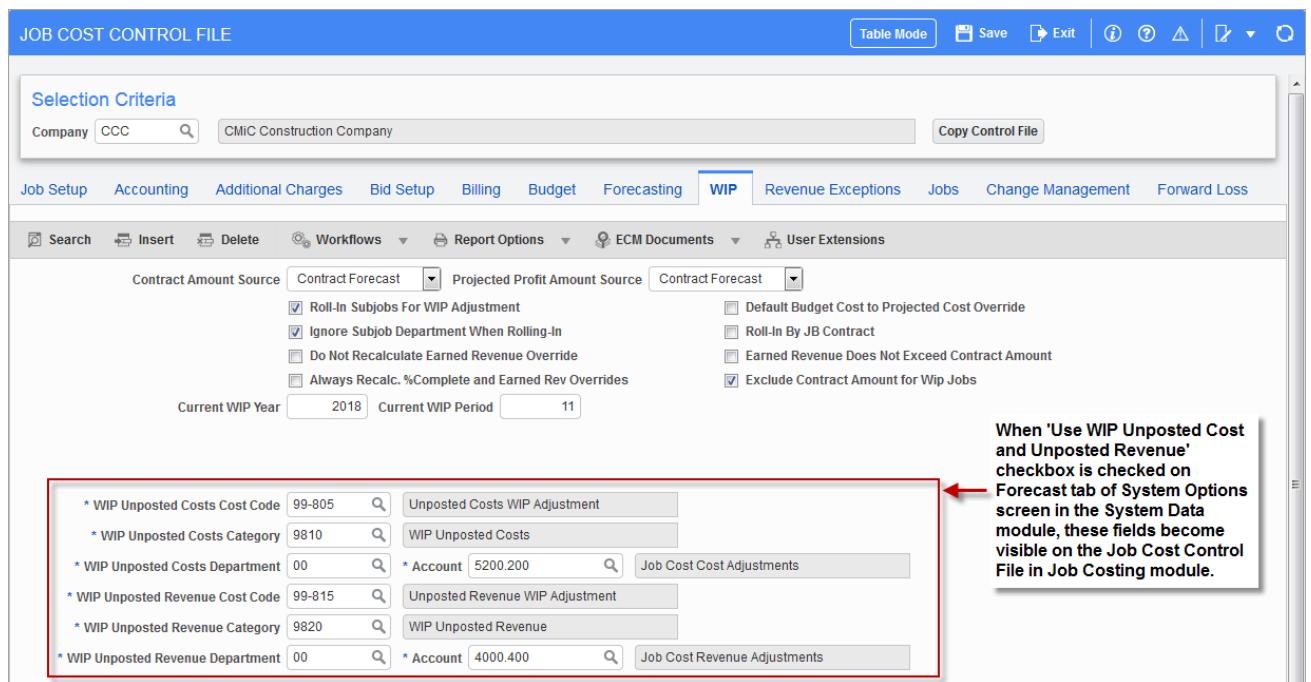


Pgm: SYSOPT – System Options; standard Treeview path: System > Setup > System Options – Forecast tab

Use WIP Unposted Cost and Unposted Revenue – Checkbox

This checkbox controls the option of using the Unposted Cost and Unposted Revenue fields in the WIP Adjustment process, and when checked, will make the related Job Cost Control File fields visible such as the Unposted Costs/Revenue Phase, Category, Department, and Accounts (standard Treeview path: Job Costing >Setup > Local Tables > Control File – WIP tab). These fields will be required, as shown in the screenshot below.

When unchecked, the WIP Process will not use the Unposted Cost/Revenue fields and the Control File fields in Job Cost Control File will not be visible.



Pgm: JCCTRLFM – Job Cost Control File; standard Treeview path: Job Costing > Setup > Local Tables > Control File – WIP tab

Contract Forecasting - Setup - CMiC Field

PM System Options Table

PMSYS_FCST_INC_PND_CO Flag

When checked, the Proj Cost Forecast (Incl. Pending CO) column is editable.

Any update within the Cost to Complete pop-up recalculates the Proj Cost Forecast (Incl. Pending CO) column in the CMiC Field Contract Forecasting with PCI Projections screen. The updated amount (including any manual overrides entered directly into this column) will be used to update the Projected Final Amount in the JCJOBCAT table.

If this box is unchecked, the Proj Cost Forecast (Incl. Pending CO) column is not editable, and the Cost Forecast amount will be used to update the Projected Final Amount in the JCJOBCAT table.

ALL

Update Back

*Note: Not all programs have fields available with field privileges

Programs Contract Forecast 1

COLUMN/FIELD SECURITY

Item Name	Security Level
Projected Cost Budget	Unrestricted (Read- <input type="button" value="▼"/>
Spent/Committed (Pending CO)	Unrestricted (Read- <input type="button" value="▼"/>
Cost To Complete (Pending CO)	Unrestricted (Read- <input type="button" value="▼"/>
<u>Proj Cost Forecast (Incl. Pending CO)</u>	<input button"="" type="button" value="▼"/> "/> <input type="button" value="Unrestricted (Read-Only)"/> <input type="button" value="Hidden"/>
Cost Variance (Incl Pending CO)	Unrestricted (Read- <input type="button" value="▼"/>
Current Bill Budget	Unrestricted (Read- <input type="button" value="▼"/>
Pending CO	Unrestricted (Read- <input type="button" value="▼"/>

Role Maintenance; standard Treeview path: CMiC Field > Role Maintenance > Security Roles – Assign Field Security

NOTE: The field security on the Proj Cost Forecast (Incl. Pending CO) column is normally either “Read Only” or “Hidden”. When the database field in PM System Options (PMSYS_FCST_INC_PND_CO) is set as “Y”, the field is editable and the value is used to update the JCJOBCAT table.

Project System Options

General – Tab

The screenshot shows the 'PROJECT SYSTEM OPTIONS' interface with the 'General' tab selected. On the left, there's a treeview navigation pane with various project management categories like Communication Management, Document Management, Subcontractor Prequalification, etc. Under 'File Maintenance', 'Project System Options' is selected and highlighted with a red box. The main configuration area contains several groups of checkboxes and dropdowns. One group at the bottom is specifically highlighted with a red box around the 'Payment Response Flag' checkbox, which is checked.

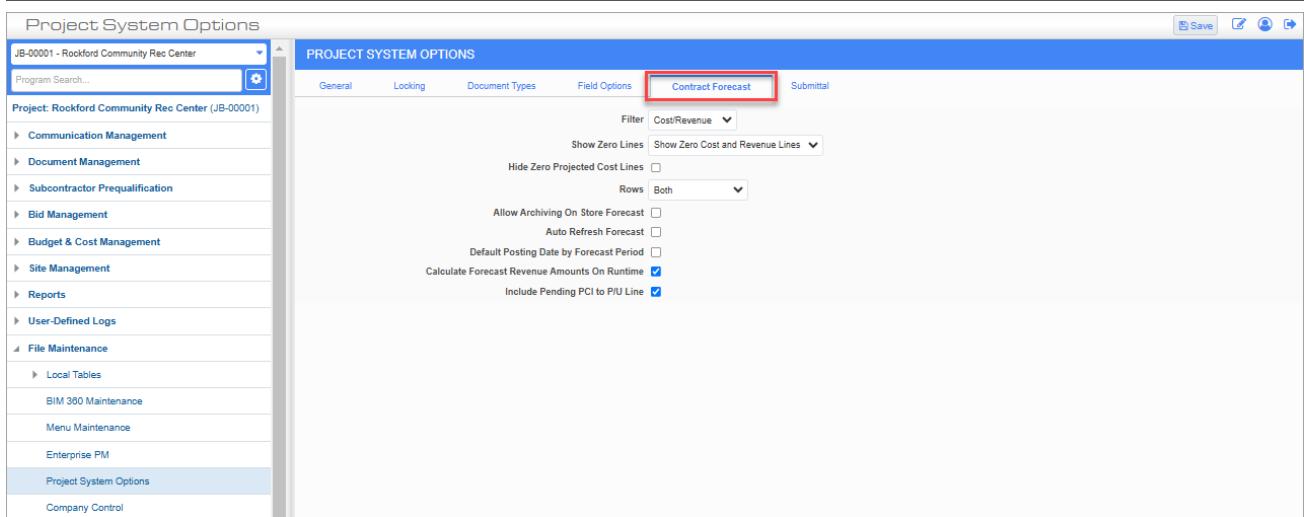
Project System Options; standard Treeview path: CMiC Field > File Maintenance > Project System Options – General tab

This checkbox is to support Payment Response Functionality (e.g., for clients in the country of Singapore as per the local requirements).

Payment Response Flag – Checkbox

If checked, users can enter amount values against LOV line level at self billed screen.

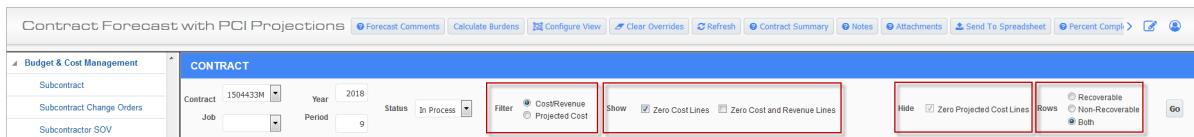
Contract Forecast – Tab



Project System Options; standard Treeview path: CMiC Field > File Maintenance > Project System Options – Contact Forecast tab

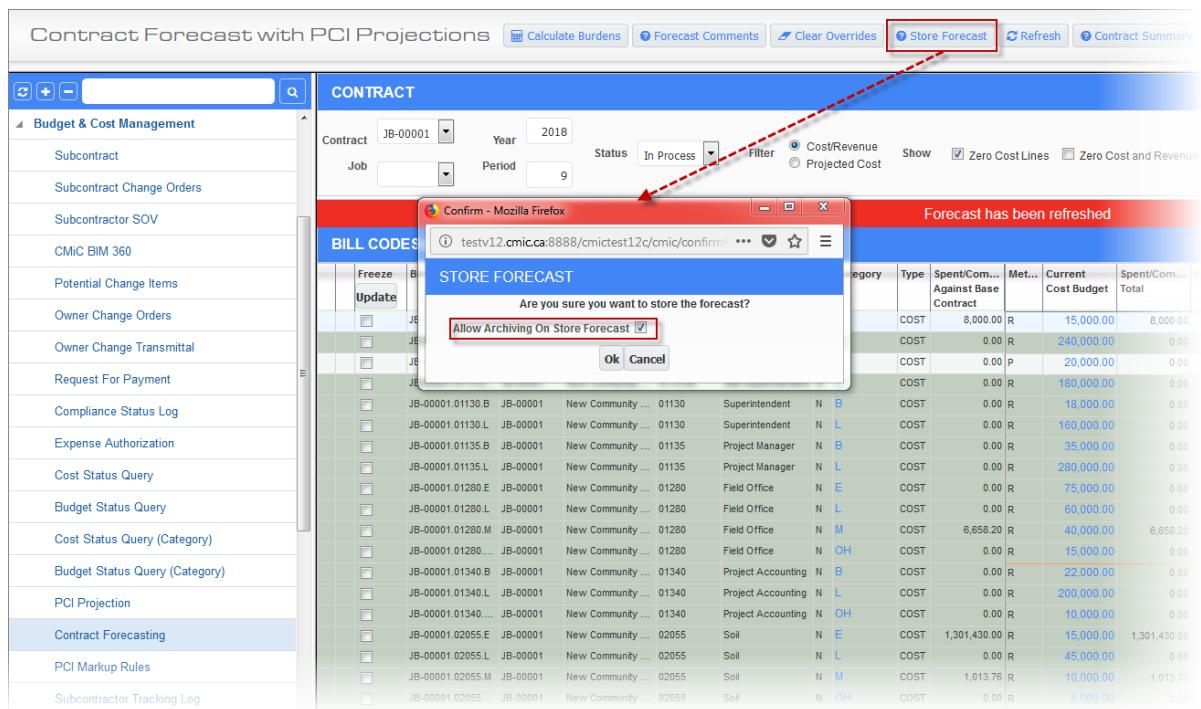
Filter, Show Zero Lines, Hide Zero Projected Cost Lines, Rows

These fields allow the user to set the default system parameters for the CMiC Field Contract Forecast filter. These default settings can be overridden at the time when the Contract Forecast with PCI Projection will be executed.



Example of system parameters on Contract Header Section of CMiC Field Contract Forecast with PCI Projections screen (standard Treeview path: CMiC Field > Budget & Cost Management > Contract Forecasting)

Allow Archiving on Store Forecast – Checkbox



Pop-up window launched from [Store Forecast] button on Contract Forecast with PCI Projections screen

If ‘Allow Archiving on Store Forecast’ is checked in Project System Options, then this value will default into the pop-up window launched from the **[Store Forecast]** button on the Contract Forecast with PCI Projections screen, which users may override as required. When this option is checked in the pop-up window, upon forecast, the Archive function will also be performed. The default value of this field is unchecked.

Auto Refresh Forecast – Checkbox

If checked, when a user clicks on the **[Go]** button on the Contract Forecast screen, the system will auto-refresh the forecast data if a forecast already exists; otherwise, it will create a new forecast. The default value of this field is unchecked.

NOTE: If users do not update the period after initially clicking on the **[Go]** button, then auto-refresh will continue to update the forecast data each time the user clicks **[Go]**.

Once the user updates the period, a new forecast is created for that period, and an auto-refresh is not performed as this is the initial creation of the forecast. When the program is closed, and the screen is re-opened, the forecast data will be auto-refreshed.

Contract Forecasting with PCI Projections - R12

Freeze Update	Bill Code	Job	Job Name	Phase	Name	Shared Saving	Category	Type	Spent/Com... Against Base Contract	Met.	Current Cost Budget	Spent/Com... Total	Actual Cost	Spent/Com... (In Scope)	Complete %	Pending Internal PCI	Pending External PCI Cost To Co...	Pending Internal PCI Cost To Co...	Pending External PCI Cost To Co...
<input type="checkbox"/>	JB-00001.01-30...	JB-00001	New Community...	01-3000	Project Coordin...	N	B	CO..	0.00	A	15,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0	
<input type="checkbox"/>	JB-00001.01-30...	JB-00001	New Community...	01-3000	Project Coordin...	N	L	CO..	0.00	A	240,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0	
<input type="checkbox"/>	JB-00001.01-31...	JB-00001	New Community...	01-3120	Site Superinten...	N	B	CO..	0.00	A	20,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0	

Example of a Contract Forecast that has been refreshed

Default Posting Date by Forecast Period – Checkbox

If checked, last date of forecast period is used as default posting date when forecast period on calendar month rolls over.

When checked, this option applies to the posting date on Subcontracts, Subcontract Change Orders, Potential Change Items, Owner Change Orders, and Request for Payments in CMiC Field.

Calculate Forecast Revenue Amounts on Run Time – Checkbox

If checked, when users override Cost To Complete or Projected Cost Forecast column values, and tab away from those fields, the Revenue Forecast values are recalculated in real time for this line. If user do not want this to recalculate and affect the recalculation of the Revenue values upon [Save], then they should uncheck is checkbox. The default value is checked.

Company Control

Defaults – Tab

The screenshot shows the CMiC Company Control interface. On the left is a treeview navigation bar with various project management modules like Communication Management, Subcontractor Prequalification, Bid Management, etc. The 'Company Control' module is selected and highlighted with a red box. On the right, the main window has a blue header 'COMPANY CONTROL'. Below it, there are tabs for 'Code Masks', 'Defaults' (which is active and highlighted with a red box), 'Change Management', 'Project Calendar', 'Bid Management', and 'Notification Defaults'. The 'OTHER' section contains various configuration options. Two specific fields are highlighted with red boxes: 'Cost Budget % At Risk' set to 3.8 and 'Revenue Budget % At Risk' set to 5.9.

Company Control; standard Treeview path: CMiC Field > File Maintenance > Company Control – Defaults tab

Cost Budget % At Risk, Revenue Budget % At Risk

The at risk percentages entered in the Cost Budget % At Risk field and the Revenue Budget % At Risk field on the Defaults tab of the Company Control screen default to the Defaults tab of the Project Maintenance screen when a new project is created but they can be overridden, as required (standard Treeview path: CMiC Field > File Maintenance > Project Maintenance – Defaults tab).

Contract Forecasting with PCI Projections - R12

PROJECT		Company CMIC Test Company		Project Code LGPROJ	
Project Name LG Project				Project Control Code ALL	
Project Short Name LG Project Short Name for IO Email					
General	Key Players	Job Info	Defaults	Security	Notes
Attachments	Review/Approval	Gateway	Data Exchange	Pay Request	esign Maintenance
PURCHASING					
Default Bill To Address			Default Ship To Address		
Default Delivery Period			Default Requestor		
Default Requestor			Default Buyer		
OTHER					
RFI Contact	Default RFQ Review Period				
Default Issue Review Period	<input checked="" type="checkbox"/> Use Working Days	Default Notice Review Period	<input checked="" type="checkbox"/> Use Working Days	Default RFI Review Period 0	
Purchlist Completion Period	<input type="checkbox"/> Use Working Days	Default Submittal Approver	<input checked="" type="checkbox"/> Use Working Days	Use Original Contract Amount	
0		Ball In Court Report	<input type="checkbox"/>	Override On OCO	
Use Working Days For OCO Date	<input checked="" type="checkbox"/>				<input type="checkbox"/>
Submittal Contact	Auto Populate Transmittal From Submittal				
Schedule Initial Default	<input type="checkbox"/>				
Meeting Footnote All items noted above will be deemed true and accurate if the readers do not express their objections within the next seven days.					
Default Meeting ID Mask	Project End Date Updatable Y				
Limit CSI code usage by group	Synchronize SCO And PCI Amounts				
<input checked="" type="checkbox"/> Auto Calculate Markups	PCI Revenue Category				
<input type="checkbox"/> Cost Budget % At Risk 33.572	Revenue Budget % At Risk 48.158				
SUBMITTAL LEAD TIME IN DAYS					

Project Maintenance; standard Treeview path: CMiC Field > File Maintenance > Project Maintenance – Defaults tab

From the Project Maintenance screen, the risk percentages default to the PCI Projection screen, but can be overridden there as well.

If a PCI is pending and unposted, the value is populated from the Project Maintenance screen. If a PCI is approved and remains unposted in a period, then upon refresh, the defaulted or overridden risk percentage will be retained. Only newly created PCIs with a status of "Approved", when included in a PCI Projection period, will have the risk percentage set as zero. A PCI posted in the current period is not shown in the PCI Projection report. If a PCI is posted in future, it is considered as a pending PCI (even if status is "Approved").

PCI Projection; standard Treeview path: CMiC Field > Budget & Cost Management > PCI Projection

PM Classifiers in SCCO

The screenshot shows the CMiC Field interface. On the left, a treeview navigation bar lists various project management modules like Communication Management, Document Management, and Budget & Cost Management. Under the 'Security' module, 'Role Maintenance' is highlighted with a red box. The main content area is titled 'COLUMN/FIELD SECURITY' and displays a table for setting security levels for different items. A red box highlights the row for 'Classifier 1' through 'Classifier 6', which are all set to 'Unrestricted'. Other items like 'Post Date' and 'Select Bid Items' also have dropdown menus for security levels.

Role Maintenance; standard Treeview path: CMiC Field > Security > Role Maintenance

Role level field security exists for PM Classifiers 1-6 in the Subcontract Change Orders screen. The classifiers for the 'ALL' role are set to "Hidden" by default. These fields support the display of classifiers in the SCCO Log, as shown in the screenshot below.

The screenshot shows the 'SUBCONTRACT CHANGE ORDERS' table. The table has columns for Contract/Change, Description, Status, Vendor, Amount, Date, Post Date, Attachments, and several PM Classifier fields (1-6). A red box highlights the PM Classifier columns. The table shows one row for 'CCA1BRICKS02 - 001' with vendor 'A1 Bricks Manufacturing Inc.' and amount '9,990.00'. The bottom of the table shows a total of '9,990.00'.

Subcontract Change Orders; standard Treeview path: CMiC Field > Budget & Cost Management > Subcontract Change Orders

Forecast Status Maintenance

Status Code*	Name*	Class*
CLOSED	Closed	Closed
IN PROCESS	In Process	In Process

Forecast Status Maintenance; standard Treeview path: CMiC Field > File Maintenance > Local Tables > Forecast Status

The forecast status used in the Status field of the Contract header section of the Contract Forecasting and PCI Projections screen (standard Treeview path: CMiC Field > Budget & Cost Management > Contract Forecasting) is created and maintained in the Forecast Status Maintenance screen.

To create a new forecast status, click [**Add**], enter a code in the Status Code field and provide a suitable description in the Name field. Next, select a class for the status code.

The Class field drop-down menu is pre-populated with two system-defined class codes: “In Process” and “Closed”. The validation of a forecast status is based on these two class codes, not the status code, so the user could create several status codes under one class code. For example, the user could have the status codes “On Hold” and “Under Review” under the class code “In Process”.

When finished, click on [**Save**].

To delete a forecast status, click the delete icon next to the status.

User Maintenance

The screenshot shows the 'EDIT USER' screen in CMiC Field. On the left is a treeview navigation bar with various project management modules like Communication Management, Document Management, and Estimate Management. The 'User Maintenance' node is selected. The main area is divided into three tabs: 'LDAP USER', 'CONTACT', and 'ENTERPRISE USER'. In the 'LDAP USER' tab, fields include 'User ID' (MISTYR12), 'LDAP Name' (DEFAULT), 'Password' (redacted), and 'Re-Type Password' (redacted). Below these are password requirements: 'Minimum of 10 characters', 'Must contain 4 of the 4 character types', 'Capital letter', 'Lower case letter', 'Special character (!@#\$%^&*()?,.)', 'One number', 'Passwords will expire after 60 days', 'Passwords will notify of expiration starting 14 days from expiration date', and 'Passwords will have a 7 day grace after expiration'. In the 'CONTACT' tab, fields include 'Partner' (CMIC Construction Company), 'First Name' (Misty), 'Last Name' (Retchford), and a 'Segment' field which is highlighted with a red border. In the 'ENTERPRISE USER' tab, fields include 'User ID' (MISTYR12) and 'Default Menu'.

User Maintenance; standard Treeview path: CMiC Field > Security > User Maintenance

Segment

This field is used for mapping with third-party external software.

Contract Forecasting - Setup - Job Costing Module

Job Cost Control File

Job Cost Control File – Forecasting Tab

The screenshot shows the 'JOB COST CONTROL FILE' interface with the 'Forecasting' tab selected. The 'Forecasting' tab is highlighted with a red box. The interface includes a 'Selection Criteria' section with a company dropdown set to 'CCC' and a search field containing 'CMiC Construction Company'. Below this are tabs for Job Setup, Accounting, Additional Charges, Bid Setup, Billing, Budget, Forecasting (selected), WIP, Revenue Exceptions, Jobs, Change Management, and Forward Loss. A toolbar at the top right includes 'Table Mode', 'Save', 'Exit', and other icons. The main area contains settings for 'Forecasting Method' (Standard), 'Contract Forecast Year' (2019), 'Contract Forecast Period' (1), and several checkboxes for 'Allow Forecast For Future Periods' and other revenue forecasting rules. There are also fields for 'Default Projection Threshold %' (0) and 'GC Monitor Cost Cutoff Option' (Company Level). A note at the bottom left indicates the program is JCCTRLFM – Job Cost Control File.

Pgm: JCCTRLFM – Job Cost Control File; standard Treeview path: Job Costing > Setup > Local Tables > Control File - Forecasting tab

The controls on the Forecasting tab of the Job Cost Control File screen govern forecasting in CMiC Field (PMJSP).

Forecasting Method

The contract forecasting method has two options: “Standard” and “ETC” (Estimate To Complete). The default value is “Standard”.

- **Standard:** When set as “Standard”, the Contract Forecasting screen continues to function as normal. Customers using the CMiC Field (PMJSP) version of contract forecasting must set the value as “Standard”.

- **ETC (Estimate To Complete):** The ETC program is applicable to the ADF version of forecasting only. It combines labor forecasting, non-labor forecasting and contract forecasting into one program. When set to “ETC”, the Contract Forecasting screen will consider the labor and non-labor ETC information and include them in calculations. This also affects the contract forecasting column values in CMiC Field (PMJSP).

NOTE: When contract forecasting method is set to “ETC”, users may use the ‘Consider Calculated Potential Revenue (CPR) in ETC’ checkbox to consider CPR in ETC. This applies to the ADF version of forecasting only and is not applicable to CMiC Field’s Contract Forecast with PCI Projections screen.

Contract Forecast Year, Contract Forecast Period

Enter the current forecasting default year/period. This will be defaulted into the Year and Period columns in the CMiC Field Contract Forecast with PCI Projections screen.

Allow Forecast for Future Periods – Checkbox

This option allows the use of a future year/period for forecasting where the value is greater than the set year and period defaulted for contract forecasting in the above fields. If unchecked, only forecasts in the set year/period may be generated.

Use Billing Rate Table for Revenue Forecast – Checkbox

When checked, this option is used to indicate that the bill rate table is to be used for the calculation of revenue forecast in contract forecasting, for cost type billing lines. Only those lines from the billing rate table that have no payroll related information are used, i.e., lines with no employee, trade, basic wage type and shift code.

The setting defined here defaults to the Job Billing tab of the Job Setup screen in the Job Costing module during job setup. By default, the checkbox is unchecked. When checked, the [Exceptions] button becomes enabled on the Job Billing tab of the Job Setup screen. This button is used to define any phases and/or categories that will not use the bill rate table in the determination of the revenue forecast amount but will be calculated as usual.

Max Billing Amount Includes Un-posted PCIs – Checkbox

Checked: Any pending PCIs with billing amount will be added on top of the maximum billing amount defined at various levels in billing contract entry. Therefore, the Contract Forecasting with PCI Projections screen will not cap these unposted PCI billing amounts.

Unchecked: All pending PCIs with billing amounts will be subject to billing maximums defined and adjustment (negative) amounts will be populated under the Adjusted Revenue Forecast column against the billcodes with adjustments categories.

Copy Last Stored Forecast – Checkbox

This option allows the users while entering the new forecast period, to copy the forecast projections from the last period to the new current period. When checked, the last stored time phase forecast future period projections will be used including any overridden values, in place of basing the values on the standard calculations. This provides the ability to use the last stored overrides in place of having to re-enter the overrides for the future periods.

Notes To Be Carried Forward Through Periods – Checkbox

This checkbox indicates if forecasting notes should be carried forward to the next periods. If the box is checked, then when a new period forecast is created the system will bring any existing notes forward as well.

Allow Negative Values in Cost to Complete – Checkbox

If this box is checked, the system will default zero, if the cost to complete amount is negative. But allows users to enter negative values and commits upon save. As the negative values are stored, upon re-query, the negative values can be verified as well.

If the projected cost is lower than the spent/committed, the cost to complete shows as a negative value. Using this value, users will be able to sort the line items and address/correct the same. Also, the standard thumb rule that spent/committed plus cost to complete equals projected cost forecast is maintained when the box is checked.

Limit Payroll Costs By Reference Date – Checkbox

Payroll posted cost transactions will be considered based on the reference date.

Show Negative Values in Cost To Complete – Checkbox

The ‘Allow Negative Values in Cost to Complete’ checkbox must be checked in order to enable this field. If checked, this will show system calculated negative values in cost to complete. If unchecked, this will show negative values if it is an override only.

Default Projection Threshold %

The user can set the company wide default projection threshold percent here, or it can be set individually by job or at the cost code (phase) level. This field can be used to provide a mechanism to establish a projection threshold that would suppress the calculation of the straight line forecast final cost algorithm until a certain percentage of physical work (from either actual units/estimated units or input percentage of completion – as opposed to a cost to cost calculation of percent complete).

Consider Calculated Potential Revenue (CPR) in ETC – Checkbox

When the Forecasting Method is set as “ETC”, users may use this flag to consider Calculated Potential Revenue (CPR) in ETC. Once again this is not applicable to CMiC Field (PMJSP) Contract Forecasting with PCI Projections screen.

Detailed Time Phased Budgeting – Checkbox

NOTE: Ensure that this checkbox is unchecked, as detailed time phased budgeting has been deprecated. Its current functionality is available, however, as per CMiC’s depreciation policy, should the need arise to work with older data that used it.

This checkbox changes the time phased budgeting from the detailed job/phase/category version when checked, to the overall job level (unchecked) time phasing.

The job level time phased budget is applied to GL periods only (as is JB time phased revenue budgeting) and allows direct comparison of costs and revenues (not available using the detailed cost time phasing).

This checkbox must also be unchecked in order to use the Opportunity Management Financial Forecasting reporting system.

Nested Groups Use Savings From Lower Levels – Checkbox

This checkbox is applicable only when the forecasting method is selected as “ETC”.

This checkbox controls how billing overruns and underruns are accounted for in ETC forecasting.

The default value is checked. The system accounts only for overruns of billing amounts.

This affects the Forecasted Billing Amount column in ETC (ADF Forecasting) only.

When unchecked, the system will account for both overruns and underruns, reversing this amount from the out of scope changes in process column, JCCF_ALL_PENDING_BILL_AMT. A savings or underrun should be reducing forecasted billing budget and the out of scope changes in process column is the correct column for this reversal.

Currently, if the program does not find the required account to offset for overruns it issues a warning that the account does not exist and therefore the adjustment is not written. The user then has to create the account, map the bill code and try again. The same exact warning system is in place, if an account is not found to offset for the savings.

Job Cost Control File – WIP Tab

JOB COST CONTROL FILE

Table Mode Save Exit | ? △ □ ▾

Selection Criteria
Company CCC CMIC Construction Company Copy Control File

Job Setup Accounting Additional Charges Bid Setup Billing Budget Forecasting **WIP** Revenue Exceptions Jobs Change Management Forward Loss

Search Insert Workflows Report Options ECM Documents User Extensions

Contract Amount Source Contract Forecast Projected Profit Amount Source Contract Forecast

Roll-In Subjobs For WIP Adjustment
 Ignore Subjob Department When Rolling-In
 Do Not Recalculate Earned Revenue Override
 Always Recalc. %Complete and Earned Rev Overrides
 Default Budget Cost to Projected Cost Override
 Roll-In By JB Contract
 Earned Revenue Does Not Exceed Contract Amount
 Exclude Contract Amount for Wip Jobs

Current WIP Year 2019 Current WIP Period 9

Pgm: JCCTRLFM – Job Cost Control File; standard Treeview path: Job Costing > Setup > Local Tables > Control File – WIP tab

Contract Forecasting with PCI Projections - R12

The Contract Amount Source field and the Projected Profit Amount Source field are settings used for determining which type of PCIs will be included when calculating WIP. Refer to [Examples of Contract Forecasting and WIP Interaction](#) section in this guide for more details.

The following examples show the Contract Forecast with PCI Projections and WIP program interaction.

Contract Forecast with PCI Projections - WIP Screen

Contract: 23456 | Job: | Year: 2014 | Period: 1 | Filter: Cost/Revenue | Show: Zero Cost Lines, Zero Cost and Revenue Lines | Hide: Zero Projected Cost Lines | Rows: Recoverable, Non-Recoverable, Both | Go

Forecast has been refreshed

Freeze Update	Bill Code	Job	Phase	Name	Category	Phase Type	Start Forecast	Cost Variance (Incl Pending CO)	Current Bill Budget	Pending CO	Projected Bill Budget	Billed To Date	Revenue Forecast	Revenue Variance	Adj Rev Forecast	Projected Profit	
	23456.02-100.1000	23456	02-100	Structural Demolt...	1000		1,111.00 ✓	23,889.00	25,000.00	0.00	0.00	25,000.00	0.00	2,222.00 ✓	22,778.00	2,222.00	1,111.00
	23456.02-100.2000	23456	02-100	Structural Demolt...	2000		2,222.00 ✓	22,778.00	25,000.00	0.00	0.00	25,000.00	0.00	3,333.00 ✓	21,667.00	3,333.00	1,111.00
	23456.02-100.3000	23456	02-100	Structural Demolt...	3000		3,333.00 ✓	21,667.00	25,000.00	0.00	0.00	25,000.00	0.00	4,444.00 ✓	20,556.00	4,444.00	1,111.00
	23456.02-100.4000	23456	02-100	Structural Demolt...	4000		8,194.00 ✓	20,556.00	25,000.00	4,850.00	4,850.00	29,850.00	0.00	5,555.00 ✓	24,256.00	5,555.00	-2,639.00
				Totals:			14,860.00	88,890.00	100,000.00	4,850.00	4,850.00	104,850.00	0.00	15,554.00	89,296.00	15,554.00	694.00

Contract Forecast with PCI Projections - WIP Screen

Contract: 23456 | Job: | Year: 2014 | Period: 1 | Filter: Cost/Revenue | Show: Zero Cost Lines, Zero Cost and Revenue Lines | Hide: Zero Projected Cost Lines | Rows: Recoverable, Non-Recoverable, Both | Go

Forecast has been refreshed

Freeze Update	Bill Code	Job	Phase	Name	Category	Phase Type	Start to Complete	Projected Cost Forecast	Cost Variance	Proj Cost Forecast (Incl Pending CO)	Cost Variance (Incl Pending CO)	Current Bill Budget	Pending CO	Pending CO (Incl Risk...)	Projected Bill Budget
	23456.02-100.1000	23456	02-100	Structural Demolt...	1000		1,111.00 ✓	1,111.00 ✓	23,889.00	1,111.00 ✓	23,889.00	25,000.00	0.00	0.00	25,000.00
	23456.02-100.2000	23456	02-100	Structural Demolt...	2000		2,222.00 ✓	2,222.00 ✓	22,778.00	2,222.00 ✓	22,778.00	25,000.00	0.00	0.00	25,000.00
	23456.02-100.3000	23456	02-100	Structural Demolt...	3000		3,333.00 ✓	3,333.00 ✓	21,667.00	3,333.00 ✓	21,667.00	25,000.00	0.00	0.00	25,000.00
	23456.02-100.4000	23456	02-100	Structural Demolt...	4000		4,444.00 ✓	4,444.00 ✓	24,308.00	8,194.00 ✓	24,308.00	25,000.00	4,850.00	4,850.00	29,850.00
				Totals:			11,110.00	11,110.00	92,640.00	14,860.00	88,890.00	100,000.00	4,850.00	4,850.00	104,850.00

Contract Forecasting with PCI Projections - R12

Selecting Type of PCIs to be Included when Calculating WIP section in this guide for more details.

Job Cost Control File – Change Management Tab

The screenshot shows the 'Change Management' tab of the Job Cost Control File. The top navigation bar includes 'Table Mode', 'Save', 'Exit', and other standard application icons. Below the navigation is a 'Selection Criteria' section with a company dropdown set to 'CMiC Construction Company'. The main menu bar has tabs for 'Job Setup', 'Accounting', 'Additional Charges', 'Bid Setup', 'Billing', 'Budget', 'Forecasting', 'WIP', 'Revenue Exceptions', 'Jobs', 'Change Management' (which is selected and highlighted with a red border), and 'Forward Loss'. Under the 'Change Management' tab, there are sections for 'Self Performed Work' (SPW, Company ZZ), 'Owner Change Text Type' (CCC-OCO, Owner Change Order), and 'Subcontract Text Type' (CCC-SC, Subcontract). A large table lists project management objects like 'Notice', 'Punch List Item', 'Request For Information', and 'Submittal' across columns for CM Type, Desc, Status, and Desc. Below the table are filtering options: 'Status' (Approved, External), 'Proceeding' (checkbox checked), and 'Included In Forecast' (checkbox checked). A group of checkboxes includes 'Allow Unposted PCI To Be Assigned To Subcontract Change Order' (checked), 'Populate PCI Name On Subcontract Change Order' (unchecked), 'Category For Entry Of Cost Code Budget Changes' (checked), and 'Phase Description Taken From Bid Item List' (checked). Another group of checkboxes under 'Allow PCIs On An Owner Change Order' includes 'External' (checked), 'Internal' (checked), 'Transfer' (checked), and 'Original' (checked). Further down are fields for 'Default RFQ Review Period' (dropdown), 'Change Item Entry Mode' (dropdown set to 'Amounts'), 'Lum Sum PCI Cost Code' (dropdown set to '07710'), 'Manufactured Roof Specialties' (dropdown), 'Lum Sum PCI Category' (dropdown set to '5000'), 'Sundry' (dropdown), and 'Category For Entry Of Cost Code Budget Changes' (dropdown). At the bottom of the configuration area are two fields with a red border: 'Revenue Budget % At Risk' and 'Cost Budget % At Risk'. Below these fields are two checkboxes: 'Allow Manual Entry of RFI Answer By' (unchecked) and 'Allow Manual Entry of RFI Answer Date' (unchecked).

Pgm: JCCTRLFM – Job Cost Control File; standard Treeview path: Job Costing > Setup > Local Tables > Control File – Change Management tab

Revenue Budget % At Risk, Cost Budget % At Risk

The at risk percentages entered in the Revenue Budget % At Risk field and the Cost Budget % At Risk field on the Change Management tab of the Job Cost Control File default to the Default tab of the Project Maintenance screen but they can be overridden, as required. The Project Maintenance screen is located in the Job Costing module (standard Treeview path: Job Costing > Job > Enter Project – Project Maintenance – Defaults tab) and in CMiC Field (standard Treeview path: CMiC Field > File Maintenance > Project Maintenance – Defaults tab).

Contract Forecasting with PCI Projections - R12

From the Project Maintenance screen, the risk percentages default to the PCI Projection screen, but can be overridden there as well (standard Treeview path: CMiC Field > Budget & Cost Management > PCI Projection).

If a PCI is pending and unposted, the value is populated from the Project Maintenance screen. If a PCI is approved and unposted, the value is 0%. A PCI posted in the current period is not shown in the PCI Projection report. If a PCI is posted in future, it is considered as a pending PCI (even if status is approved).

The screenshot shows the CMiC PCI Projection interface. On the left, a sidebar lists various project management categories like Communication Management, Document Management, and Budget & Cost Management. The main area is titled 'CONTRACT' and shows a table of 'POTENTIAL CHANGE ITEM' for 'Contract: LGJOB'. The table has columns for CO Type, Status, PCI #, PCI Description, Phase Line Item, Company, Phase Code, Category, Cost Budget (Original Cost Projections), Cost Budget % at R., Revised Cost Budget from PCI, Spent/Committed, % Co..., Cost To Complete, Projected Final Cost, Submitted/Projected Revenue % at R., Revised Budget submitted/Projected, and Variance Savings/Loss.

CO Type	Status	PCI #	PCI Description	Phase Line Item	Company	Phase Code	Category	Cost Budget (Original Cost Projections)	Cost Budget % at R.	Revised Cost Budget from PCI	Spent/Committed	% Co...	Cost To Complete	Projected Final Cost	Submitted/Projected Revenue % at R.	Revised Budget submitted/Projected	Variance Savings/Loss
EXT	PENDING	EXT-001	TBD for SOV selection	Progress Photos	DILBERT1	01-102	2000	5,000.00	0	5,000.00	0.00	0	0.00	0.00	0.00	0.00	5,000.00
EXT	APPROVED	EXT-002	PCI for SOV on sub...	Site Office		01-103	2000	6,000.00	0	6,000.00	0.00	0	6,000.00	6,000.00	6,000.00	0	6,000.00
EXT	APPROVED	EXT002	PCI entry before SAVE	Blue Prints	DILBERT1	01-100	2000	500.00	0	500.00	0.00	0	500.00	500.00	500.00	0	500.00
EXT	APPROVED	EXT004	PCI entry before SAVE	Blue Prints	AMGAS	01-100	2000	500.00	0	500.00	0.00	0	500.00	500.00	500.00	0	500.00
EXT	APPROVED	EXT005	PCI entry before SAVE	Blue Prints		01-100	2000	500.00	0	500.00	0.00	0	500.00	500.00	500.00	0	500.00
EXT	APPROVED	EXT006	PCI entry for phase a...	Storage		01-101	2000	500.00	0	500.00	0.00	0	500.00	500.00	500.00	0	500.00
EXT	APPROVED	EXT007	review phasecategory	Storage		01-101	2000	5,000.00	0	5,000.00	0.00	0	5,000.00	5,000.00	5,000.00	0	5,000.00
EXT	APPROVED	EXT009	review Bd items	Storage		01-101	2000	52,500.00	0	52,500.00	0.00	0	52,500.00	52,500.00	52,500.00	0	52,500.00
EXT	APPROVED	EXT009	review Bd items	Excavation		02-100	2000	316,250.00	0	316,250.00	0.00	0	316,250.00	316,250.00	316,250.00	0	-316,250.00
EXT	APPROVED	EXT009	review Bd items	Stabs		03-200	2000	52,451.75	0	52,451.75	0.00	0	52,451.75	52,451.75	52,451.75	0	-52,451.75
EXT	APPROVED	EXT011	Review patch V12.2...	Blue Prints		01-100	2000	1,000.00	0	1,000.00	0.00	0	1,000.00	1,000.00	1,000.00	0	1,000.00
EXT	APPROVED	EXT011	Review patch V12.2...	Columns		01-101	1000	2,000.00	0	2,000.00	0.00	0	2,000.00	2,000.00	2,000.00	0	2,000.00
EXT	APPROVED	EXT011	Review patch V12.2...	Columns		03-200	9000	300.00	0	300.00	0.00	0	300.00	300.00	300.00	0	300.00
EXT	PENDING	EXT013	test	Blue Prints		01-100	2000	500.00	33.572	332.14	0.00	0	332.14	332.14	500.00	48.150	259.21
EXT	PENDING	EXT014	test test	Blue Prints		01-100	2000	0.00	33.572	0.00	0.00	0	0.00	0.00	500.00	48.150	259.21
EXT	PENDING	EXT015	test test	Blue Prints		01-100	2000	0.00	33.572	0.00	0.00	0	0.00	0.00	500.00	48.150	0.00
EXT	PENDING	EXT016	test test	Blue Prints		01-100	2000	0.00	33.572	0.00	0.00	0	0.00	0.00	500.00	48.150	0.00
EXT	PENDING	EXT017	test test	Blue Prints		01-100	2000	400.00	0	400.00	0.00	0	400.00	400.00	400.00	0	400.00
EXT	APPROVED	EXT025	TEST	Blue Prints		01-100	8000	28,000.00	0	28,000.00	0.00	0	28,000.00	28,000.00	28,000.00	0	-28,000.00
EXT	APPROVED	EXT026	TEST	Progress Photos		01-102	1000	0.00	0	0.00	0.00	0	0.00	0.00	0.00	0	0.00
OB	PENDING	OB0002	test test	Blue Prints		01-100	2000	0.00	33.572	0.00	0.00	0	0.00	0.00	599.00	48.150	310.53
Total								471,384.76		471,216.89	.00		466,216.89	466,216.89	23,399.00	22,626.95	-443,687.94

PCI Projection; standard Treeview path: CMiC Field > Budget & Cost Management > PCI Projection

Category Maintenance

Code	* Description	Ctrl	* WM	Default Forecast Method	Budget	Cost	Billing	Costs	Adjustments (DR)	Billings	Adjustments (CR)	Unbilled Revenue	Unbilled Reserve Revenue	Alternate WIP Cost for Invoiced Subcontracts	Billing Group	Off Forward Loss %	Non Recoverable	Available On SCAP	Available In Procurement	* Active	* Include In Forecast	Exclude Cost Buttons From WIP
1000	Labor	ALL	HR	Product	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$200.100	\$200.200	4000.100	4000.400	4000.500	4000.550			7.25	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
2000	Subcontract	ALL	NA	Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$200.100	\$200.200	4000.100	4000.400	4000.500	4000.550			10.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3000	Equipment	ALL	NA	Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$200.100	\$200.200	4000.100	4000.400	4000.500	4000.550			18.99	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
4000	Material	ALL	NA	Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$200.100	\$200.200	4000.100	4000.400	4000.500	4000.550			5.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
41.1	WC-Internal Medical	ALL	HR	Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										<input type="checkbox"/>	<input checked="" type="checkbox"/>				
41.2	WC-Insurance Medica	ALL	HR	Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										<input type="checkbox"/>	<input checked="" type="checkbox"/>				
41.3	WC-Expense	ALL	HR	Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										<input type="checkbox"/>	<input checked="" type="checkbox"/>				
41.4	WC-Indemnity	ALL	HR	Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										<input type="checkbox"/>	<input checked="" type="checkbox"/>				
43.1	CCC-Body Injury	ALL	HR	Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										<input type="checkbox"/>	<input checked="" type="checkbox"/>				
43.2	CCC-Property Damage	ALL	HR	Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										<input type="checkbox"/>	<input checked="" type="checkbox"/>				
43.3	CCC-Expenses	ALL	HR	Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										<input type="checkbox"/>	<input checked="" type="checkbox"/>				
43.4	CCC-Recovery	ALL	HR	Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										<input type="checkbox"/>	<input checked="" type="checkbox"/>				
5000	Sundry	ALL	NA	Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$200.100	\$200.200	4000.100	4000.400	4000.500	4000.550			5.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
9000	Group Maximum Adj C	ALL	NA	Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$200.100	\$200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	<input checked="" type="checkbox"/>				
9001	Group1 Adj Category	ALL	NA	Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$200.100	\$200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	<input checked="" type="checkbox"/>				
9002	Group2 Adj Category	ALL	NA	Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$200.100	\$200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	<input checked="" type="checkbox"/>				
9003	Group3 Adj Category	ALL	NA	Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$200.100	\$200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	<input checked="" type="checkbox"/>				
9004	Group4 Adj Category	ALL	NA	Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$200.100	\$200.200	4000.100	4000.400	4000.500	4000.550				<input type="checkbox"/>	<input checked="" type="checkbox"/>				

Pgm: JCCATFM – Maintain Cost Categories; standard Treeview path: Job Costing > Setup > Local Tables > Enter Category

The ‘Include In Forecast’ checkbox must be set checked in order to make the bill codes associated with the specific category to be visible in the Contract Forecast with PCI Projections screen.

Job Budget Maintenance

The screenshot shows the 'JC ENTER BUDGET' screen. At the top, there are search fields for Company (CCC) and Job (SH1000S2), and buttons for 'Create Contract' and 'Assign Overhead Cost Rates'. Below this is a toolbar with standard application icons. The main area is a grid titled 'Budget Detail' with columns for Cost Code, Cost Code Name, Category, Method, Budgeted Cost Amount, Budgeted Quantity, WM, Budgeted Unit Rate, Budgeted Revenue Amount, Budgeted Revenue Rate, Projected Final Type, Projected Final, Freeze Proj Amt Flag, and Time Phased. The 'Projected Final Type' column is highlighted with a red border. At the bottom of the grid, there are summary rows for '100,000.00' and '150,000.00'. Below the grid are buttons for Job Name (SH1000S2-CCC), Calculate Value, WBS Defaults, Generate Time Phased Budget, View/Edit Time Phased Budget, Synchronize, and Synchronize All. There are also buttons for Forecast Based On (Productivity, Totals).

Pgm: JCBUDGET – JC Enter Budget; standard Treeview path: Job Costing > Job > Enter Budget

The value in the Projected Final column is available in the Contract Forecasting with PCI Projections screen under the Projected Cost Forecast column.

Projected Final Type

This field defaults from the Projected Final Flag field on the Job Setup tab of the Job Cost Control File screen. In most cases, this value will not need to be changed. The program will automatically calculate the expected costs at the completion of the job, based on the information entered in this field.

- “C” to use committed costs only.
- “S” to use spent to date amounts only.
- “L” to use the larger of the spent or committed amount.

Projected Final

The cost budget amount will be initially defaulted as the Projected Final amount. This amount will be updated, if the % complete of the job is 100 and costs are less than budget or if costs exceed budget or the user manually overrides.

The Projected Final amount will be updated with the projected cost forecast column values when contract forecast is stored for any specific period. The Cost Status Query screen in CMiC Field (PMJSP), shows the projected final amounts under the Calculated Projection column (standard Treeview path: CMiC Field > Budget & Cost Management > Cost Status Query).

Freeze Projected Amount Flag – Checkbox

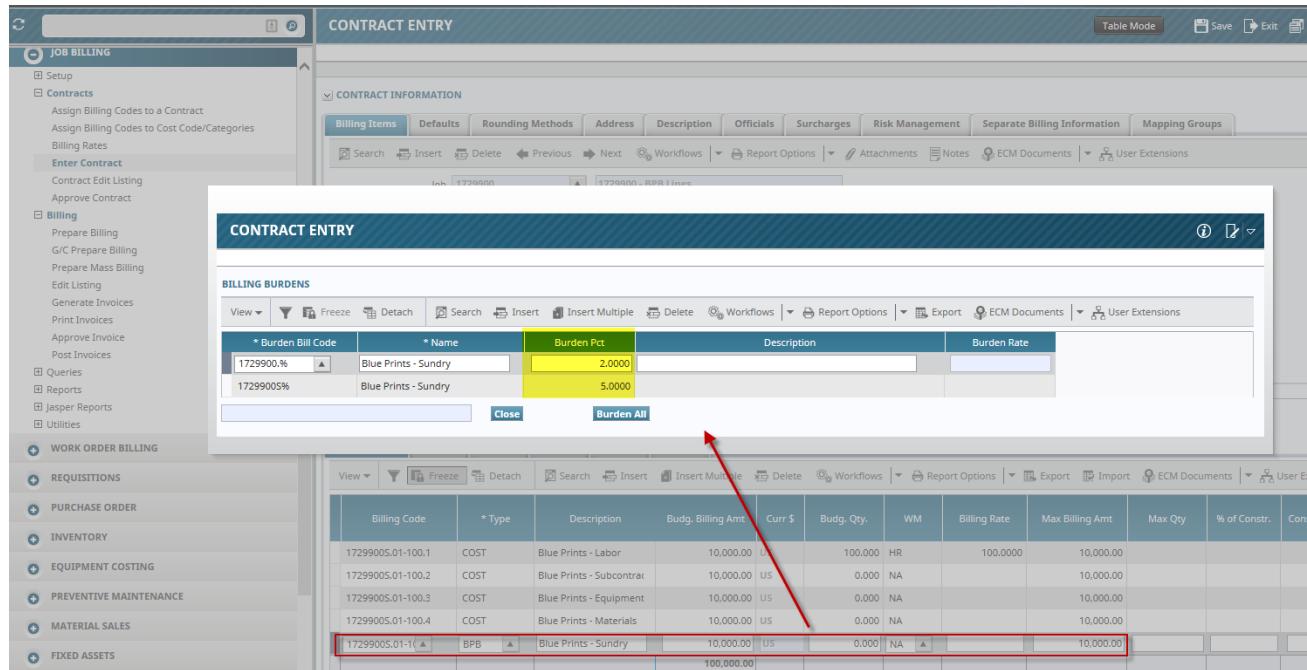
When checked, the amount entered in the Projected Final field will not be updated by the system when costs are posted. This will be the value presented under the Projected Cost Forecast column in Contract Forecast with PCI Projections screen.

Contract Forecasting - Setup - Job Billing Module

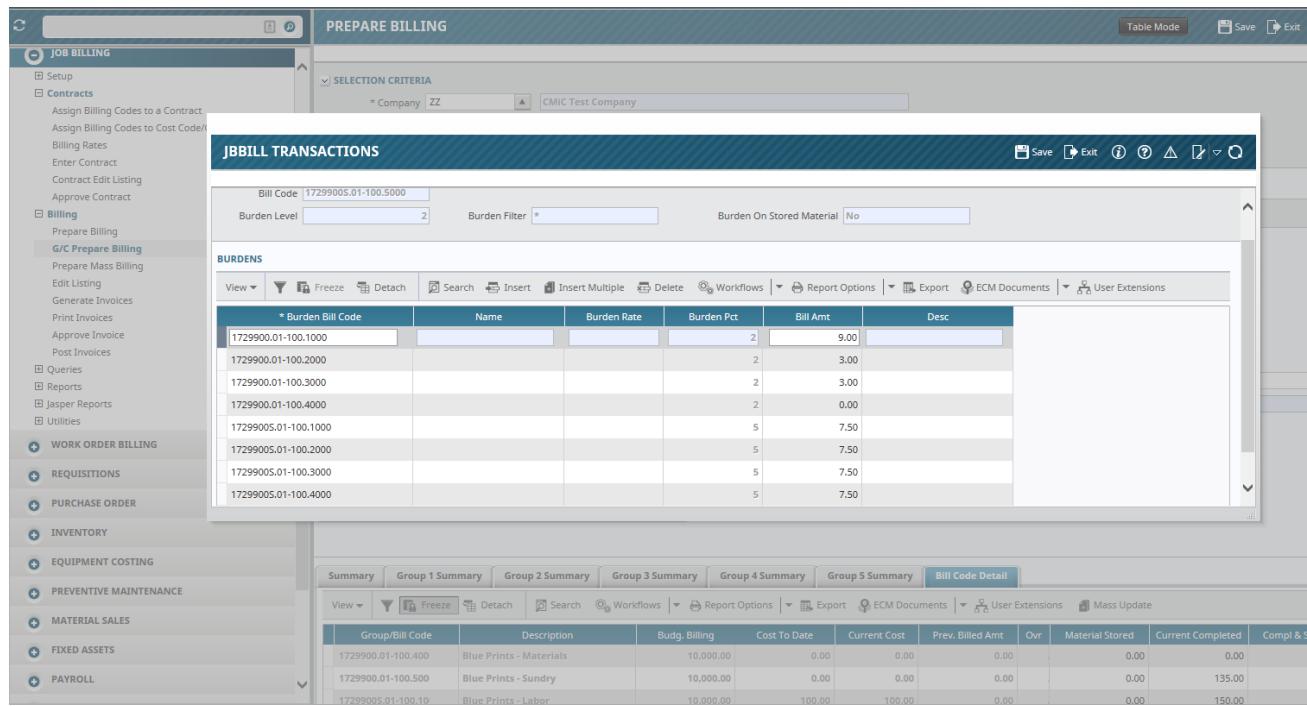
Contract Entry

For Burdened Billing (BPB) code lines, the percent of burden in the Revenue Forecast column is calculated according to the billing burden details set up in the Contract Entry screen in the Job Billing module.

Contract Forecasting with PCI Projections - R12



Billing Burdens pop-up window launched from the [Bill Code Details] button on the Contract Entry screen; standard Treeview path: Job Billing > Contracts > Enter Contract – Billing Codes tab



Pgm: JBBILL2 – Prepare Billing; standard Treeview path: Job Billing > Billing > G/C Prepare Billing – Bill Code Detail tab

Contract Forecasting with PCI Projections - R12

Contract																			
Contract		Forecast has been stored																	
Contract		Bill Codes																	
N	Alt	Freeze	Contract C...	Bill Code	Job	Phase	Name	Category	Type	Meth...	Pending CO	Pending CO (Incl. Risk)	Projected Bill Budget	Billed To Date	Original Cost Budget Amount	Original Bill Budget Amount	Revenue Forecast	Revenue Variance	Adj Rev Forecast
		<input type="checkbox"/>	1729900	1729900.01-100.1000	1729900	01-100	Blue Prints	1000	COST	P	0.00	0.00	10,000.00	450.00	10,000.00	10,000.00	15,000.00	-5,000.00	10,000.00
		<input type="checkbox"/>	1729900	1729900.01-100.2000	1729900	01-100	Blue Prints	2000	COST	A	0.00	0.00	10,000.00	150.00	10,000.00	10,000.00	15,000.00	-5,000.00	10,000.00
		<input type="checkbox"/>	1729900	1729900.01-100.3000	1729900	01-100	Blue Prints	3000	COST	A	0.00	0.00	10,000.00	150.00	10,000.00	10,000.00	15,000.00	-5,000.00	10,000.00
		<input type="checkbox"/>	1729900	1729900.01-100.4000	1729900	01-100	Blue Prints	4000	COST	A	0.00	0.00	10,000.00	0.00	10,000.00	10,000.00	10,000.00	0.00	10,000.00
		<input type="checkbox"/>	1729900	1729900.01-100.5000	1729900	01-100	Blue Prints	5000	BPB	A	0.00	0.00	10,000.00	135.00	10,000.00	10,000.00	11,500.00	-1,500.00	10,000.00
		<input type="checkbox"/>	1729900	17299005.01-100.1000	17299005	01-100	Blue Prints	1000	COST	P	0.00	0.00	10,000.00	150.00	10,000.00	10,000.00	15,000.00	-5,000.00	10,000.00
		<input type="checkbox"/>	1729900	17299005.01-100.2000	17299005	01-100	Blue Prints	2000	COST	A	0.00	0.00	10,000.00	150.00	10,000.00	10,000.00	15,000.00	-5,000.00	10,000.00
		<input type="checkbox"/>	1729900	17299005.01-100.3000	17299005	01-100	Blue Prints	3000	COST	A	0.00	0.00	10,000.00	150.00	10,000.00	10,000.00	15,000.00	-5,000.00	10,000.00
		<input type="checkbox"/>	1729900	17299005.01-100.4000	17299005	01-100	Blue Prints	4000	COST	A	0.00	0.00	10,000.00	150.00	10,000.00	10,000.00	15,000.00	-5,000.00	10,000.00
		<input type="checkbox"/>	1729900	17299005.01-100.5000	17299005	01-100	Blue Prints	5000	BPB	A	0.00	0.00	10,000.00	45.00	10,000.00	10,000.00	4100	5,900.00	4,100.00
Shared Savings:																			
Lump Sum:																			
Total:																			

Contract Forecast with PCI Projections; standard Treeview path: CMiC Field > Budget & Cost Management > Contract Forecast – Revenue Forecast column

2% * 55,000 = 1100
5% * 60000 = 3000
Total = 4100

Contract Forecasting - Setup - Change Management Module

Change Management Control File

The screenshot shows the 'CHANGE MANAGEMENT CONTROL FILE' interface. At the top, there's a toolbar with 'Table Mode', 'Save', 'Exit', and other icons. Below it is a 'Selection Criteria' section with a 'Company' dropdown set to 'CMIC Construction Company' and a 'Search' button. To the right is a 'Copy Control File' button. The main area is titled 'Control Detail' and contains several configuration groups:

- Number Masks:** External CI Number Mask, Internal CI Number Mask, Transfer CI Number Mask, Original Budget CI Number Mask.
- Owner CO Number Mask:** Includes checkboxes for 'Automatic Numbering Of Owner Change Order Proposals', 'Automatic Numbering Of Owner Change Orders', and 'Allow Override'. A red box highlights the 'Update Projected Amount During Posting' checkbox.
- Proposal Number Mask:** Includes a dropdown menu with options like 'Add Change Budget Amount'.
- Category For Entry Of Cost Code Budget Changes:** Set to '2000 Subcontract'. Includes checkboxes for 'Allow Cost Code Budget Changes Against Any Category', 'Synchronize SCO And PCI Amounts', and 'Exceed more than 100% on Minority Participation'.
- In Scope Allowance Category:** Includes a search field.
- Out Of Scope Allowance Category:** Includes a search field and checkboxes for 'Apply PCI Currency Conversion' and 'Mandatory Billing Amount'.
- Other Options:** Sample fields for various codes, and a list of checkboxes including 'Internal Change Orders Update Budget' (which is checked and highlighted with a red box).

Pgm: CMCTRL – Change Management Control File; standard Treeview path: Change Management > Local Tables > Control

Internal Change Orders Update Budget – Checkbox

Check this box if internal PCIs should update the job budget when posted. The setting of this checkbox depends, if the job budget is the contract amount (less fee). If this is this case, then this may have to be left unchecked.

If checked, posting of internal PCIs update the Current Cost Budget column and therefore affect the other cost forecast columns where the current cost forecast value is directly/indirectly used.

If unchecked, posting of internal PCIs does not affect the cost budget and therefore not included in any column calculations and does not affect the forecasting in any way. If unchecked, the Projected Cost Budget column value will not include Pending Internal PCI cost budget amounts.

Update Projected Amount During Posting – Checkbox

Check this box if the default on PCI Entry is to update the job projected amount each time a PCI is posted. The setting of this checkbox depends how pending and pre-pending change orders are managed. If PCIs are already included in the amounts in your projection forecasts, then this field should not be checked.

The drop-down list offers two choices of calculation. If the “Add Change Budget Amount” is selected, the PCI cost budget will be added to the previous projected amount. If the “Recalculate Projected Amount” is selected, the projected amount would equal the highest of current budget (including the CO being posted), the spent to date or the previously projected amount.

Change Management PCI Status Setup

MAINTAIN PCI STATUS CODES											Save	Exit	?	△	□	○
Selection Criteria																
Status																
Code	Name	* Pending Type	Name	Proceeding	Forecast	WIP Cost	WIP Revenue	Include In Below The Line								
APPROVED	Approved	A	Approved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
PENDING	Pending	P	Pending	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>				
PREPENDING	Prepending	N	Pre-Pending	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
REJECTED	Rejected	R	Rejected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								

Pgm: CMSTATFM – Maintain PCI Status Codes; standard Treeview path: Change Management > Local Tables > PCI Status Codes

PCI status codes are managed on the Maintain PCI Status Codes screen in the Change Management module.

Only PCI status codes with the ‘Forecast’ box checked will be included in Contract Forecasting. This allows users to selectively include PCIs with status such as “Pending” in their forecasting, depending on their business needs.

The PCI status types are the driving force behind how PCIs are treated in the Contract Forecast with PCI Projections screen.

Users may define status codes with the required pending type defined by CMiC. The available pending types are as follows:

- Approved
- Cancelled
- Pending
- Pre-Pending
- Rejected

Only PCIs with “Approved” status may be posted as the system does not allow posting of PCIs with any other pending types. The pending types may be combined with the three available checkboxes in various combinations to derive the desired results.

Proceeding – Checkbox

Check the ‘Proceeding’ checkbox to indicate whether work against a PCI with the status being defined has begun. PCIs that have a status of 'Proceeding' will update amounts within the Proceeding Projected column under the cost section the Job Status Query.

Leave this box unchecked if work against PCIs with this status has not yet begun. PCIs that do not have this box checked will update amounts within the Not Proceeding PCIs column under the cost section of the Job Status Query.

NOTE: The Proceeding Projected and Not Proceeding PCIs columns will only be updated if the ‘Forecast’ box is checked in the next field.

Forecast – Checkbox

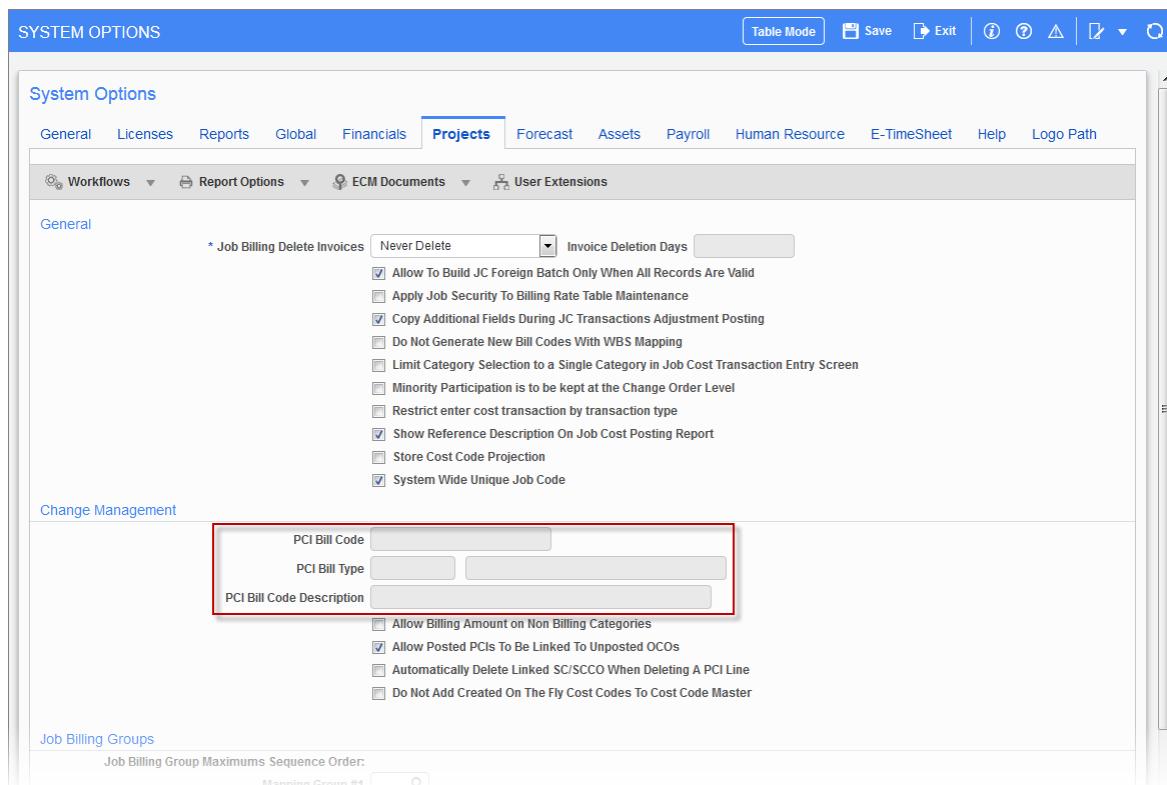
Check the ‘Forecast’ checkbox if the information on a PCIs with this status should be included in the calculation of the cost forecast within the Job Cost Status Query.

NOTE: The Forecasting program will include only those PCI types with the ‘Forecast’ box checked.

Include in Below the Line (Billing) – Checkbox

The ‘Include in Below the Line’ checkbox is not related to contract forecasting. This is used when the System Options ‘Pending PCI billing’ option is used.

This feature is hidden and must be turned on by setting the flag SYS_PCI_BILL_PENDING_FLAG in System Options Table. Only then do the pending PCI billing group of fields become available for entry. Users should be aware that the only PCI bill type supported is “COST”.



Pgm: SYSOPT - System Options; standard Treeview path: System > Setup > System Options - Projects tab

In the G/C Prepare Billing screen (standard Treeview path: Job Billing > Billing > G/C Prepare Billing), when there are pending unposted PCIs with the status ‘Include in Below the Line Billing’ are found, then they will be included in the current draw by creating a pseudo bill code as “PENDING_PCI”. This bill code is NOT found in the Contract Entry and hence will NOT be available in the Contract Forecasting screen as well.

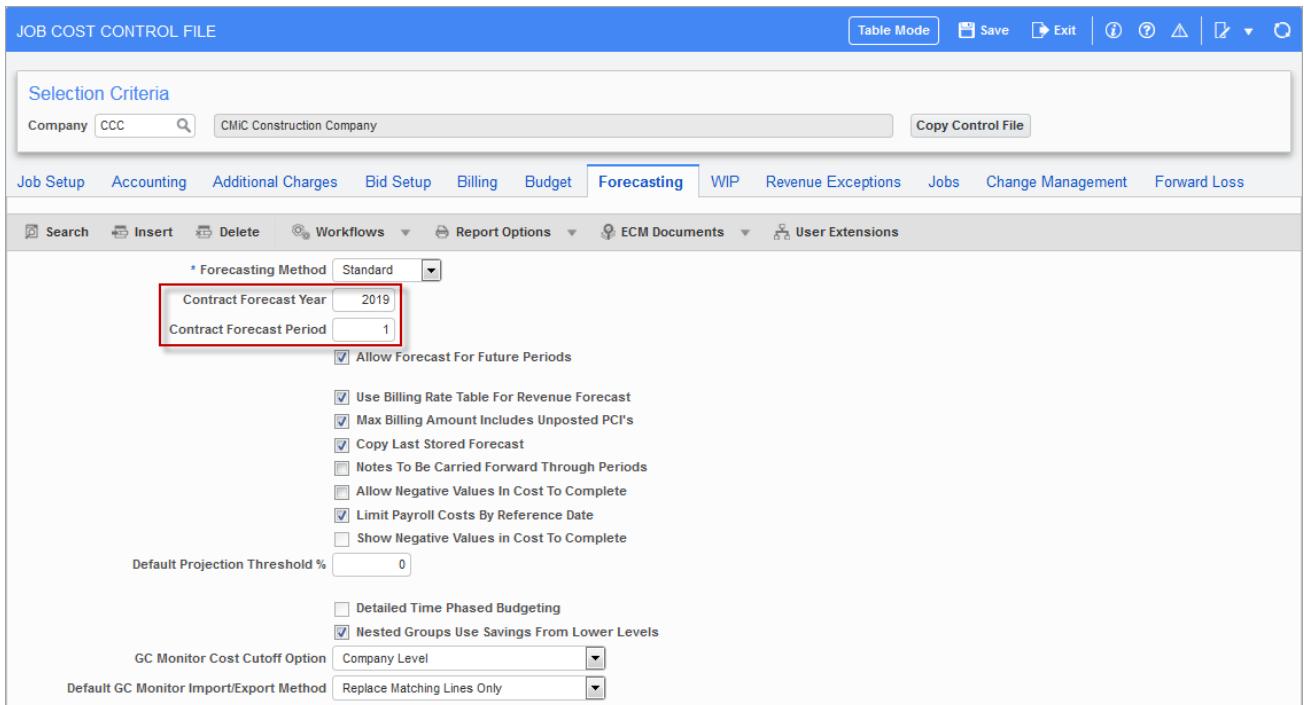
Once the PCI is posted and during the next billing generation, the billed amounts will be moved to the actual bill code of the PCI, unless the checkbox 'Always Below the Line' is checked in the Pending PCI Billing pop-up in G/C Prepare Billing screen.

NOTE: Users should be aware that the system does NOT support the cases where a pending PCI may have been billed, but later it has been rejected or deleted or updated for whatever reason. They must use this feature only when all the aspects of billing and forecasting have been analyzed thoroughly to suit their business needs.

Contract Forecasting - Frequently Asked Questions

Where do the forecast year and period default from?

The forecast year and period default from the values entered in the Contract Forecast Year field and the Contract Forecast Period field on the Forecasting tab of the Job Cost Control File screen.



Pgm: JCCTRLFM – Job Cost Control File; standard Treeview path: Job Costing > Setup > Local Tables > Control File – Forecasting tab

What is the difference between using the Contract field or Job field in the header?

Contract Forecast with PCI Projections

CONTRACT						
Contract	JB-00001	Year	2019	Current Status	In Process	
Job		Period	1	Status	In Process	
BILL CODES (FILTERED)						
	Freeze	Bill Code	Job	Job Name	Phase	Name
	Update					

The job structure may have a controlling job with many sub-jobs. There may be some sub-jobs with their own contract codes as well. When using the Contract field, users must select one contract at a time and then store the forecast as required.

When using the Job field, which allows the users to select the controlling job code (rather only controlling job is available in this field) and all bill codes related to the main and sub-jobs will be displayed. Users will be able to forecast, review, override and store forecast for all contracts in one step.

Is there any checkbox behind the bill rates to affect revenue forecast?

Yes, the ‘Use Billing Rate Table for Revenue Forecast’ checkbox on the Job Billing tab of the Job Setup screen. You can also exclude any bill code from the effect of multiplier set in bill rate table, by using the [Exceptions] button next to the checkbox. The default values may be set in the Forecasting tab of the Job Cost Control File screen in the Job Costing module and these defaults apply to any new jobs created.

Contract Forecasting with PCI Projections - R12

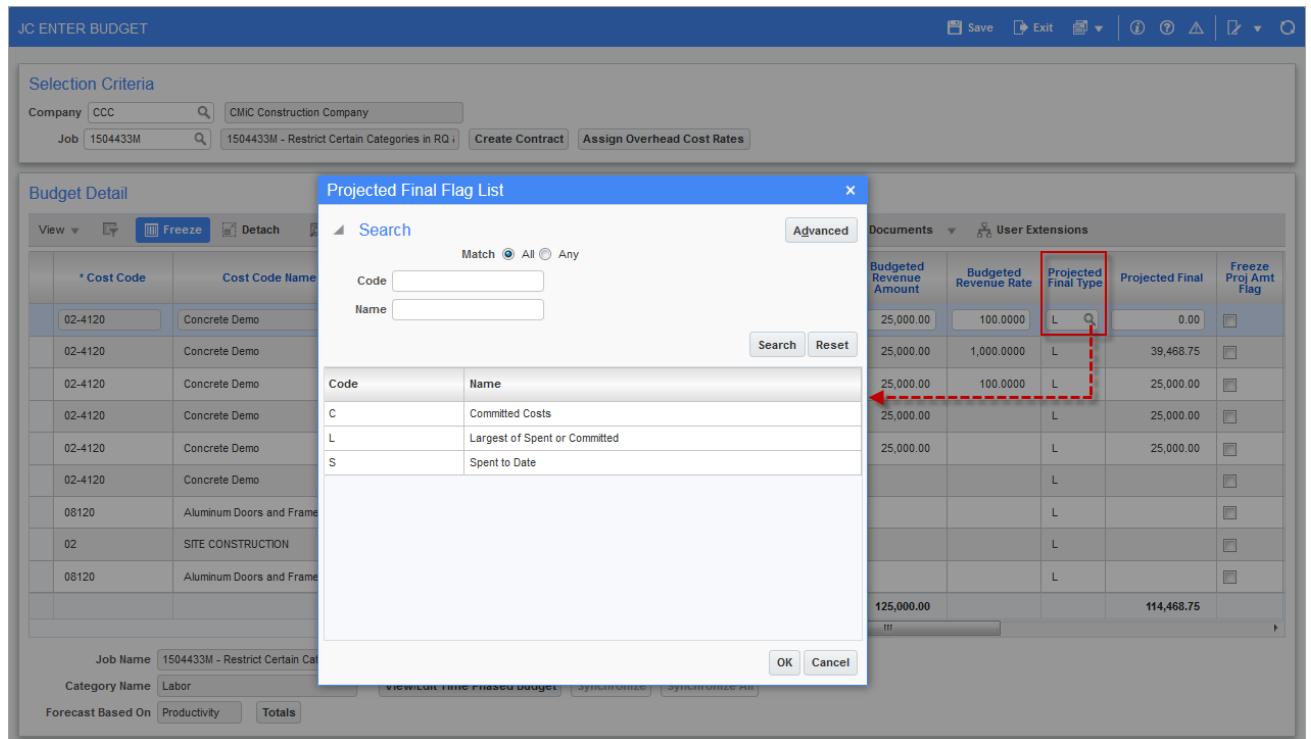
The screenshot shows the 'JOB SETUP' window with the 'Job Detail' tab selected. The 'Job Billing' tab is active. The interface includes a toolbar at the top with buttons for Table Mode, Save, Exit, and various icons. Below the toolbar is a 'Selection Criteria' section with a company dropdown set to 'CCC' and a search button. A 'Duplicate Job' button is also present. The main area contains several input fields and dropdown menus for configuring job billing parameters. These include fields for Contact, Tax1, Tax2, Tax3, Invoice Link, Default Billing Type (set to COST), Default Invoice Format (set to CCC1), Billing Rate Table (set to 2018-STD), JB Map Code (set to CCC-STD), Retainage Code (set to CCC-STD), Billing Address Code, Construction Value, % of Construction Value, Max Billing Amt, Max Revenue Cap, and Max Hourly Rate. There are also checkboxes for 'Use Billing Rate Table For Revenue Forecast' (unchecked) and 'Use Calculated Bill rate from Payroll Function for GC Monitor' (unchecked). A red box highlights the 'Exceptions' button in the bottom right corner.

Pgm: JCJOBFM - Job Setup; standard Treeview path: Job Costing > Job > Enter Job - Job Billing tab

What if a PCI is pending in Period 2 and posted in Period 3?

The Contract Forecast with PCI Projections screen should show this PCI as pending in Period 2 and posted in Period 3.

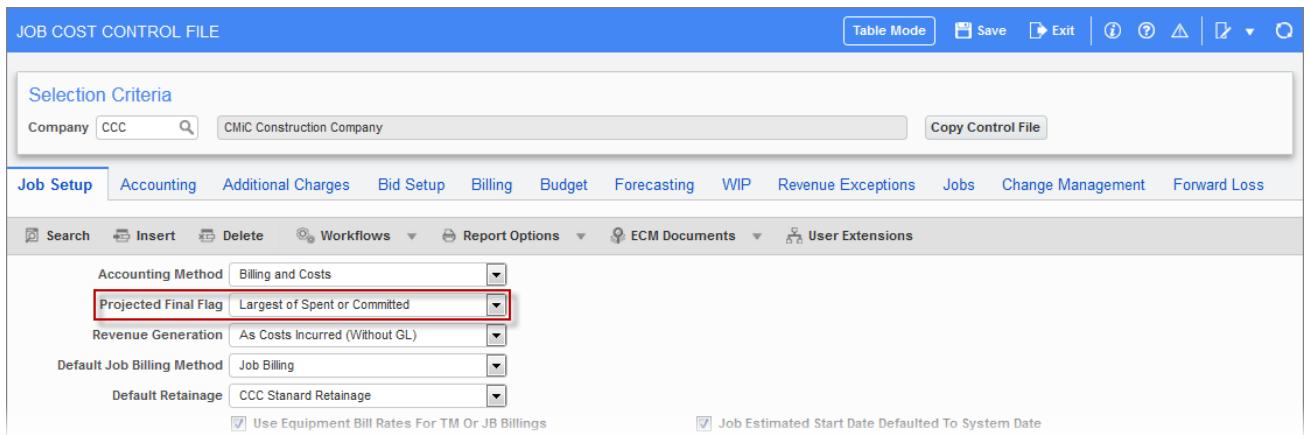
Where is 'Projected Final Flag', which is used in calculation of the Spent/Committed against Base Contract column ?



Pop-up window launched from the LOV of the Projected Final Type column on the JC Enter Budget screen; standard Treeview path: Job Costing > Job > Enter Budget

It is available on the JC Enter Budget screen against each detail line. To avoid confusion with the name, it is not a flag, but is a field and needs to be set as required from the LOV. The valid values are “C”, “L” and “S”.

How can we set a default value for the Projected Final Flag?



Pgm: JCCTRLFM – Job Cost Control File; standard Treeview path: Job Costing > Setup > Tables > Control File – Job Setup tab

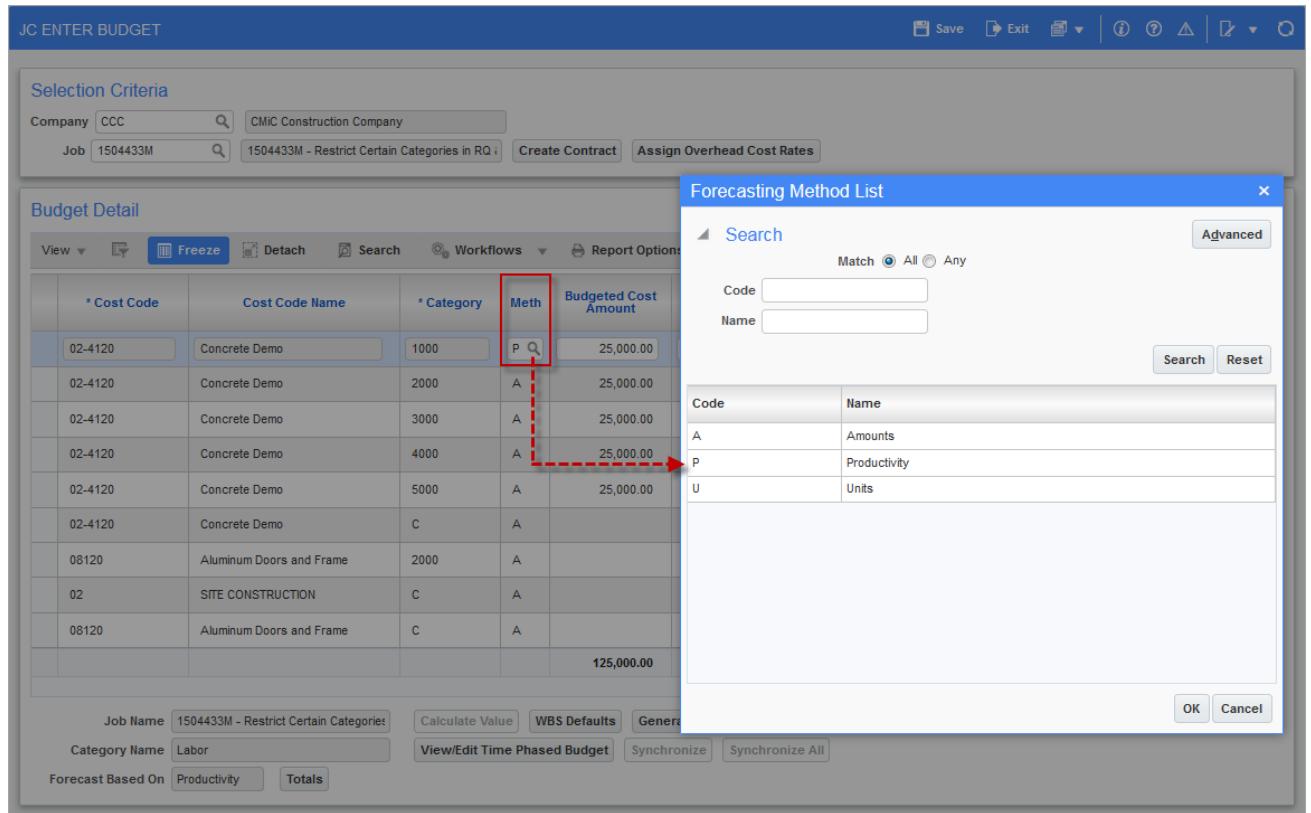
A default value can be set in the Projected Final Flag field on the Job Setup tab of the Job Cost Control File screen.

Do the pending and approved PCIs affect contract forecast in different ways (when include in forecast is checked)?

No, both are treated as unposted PCIs and affect the same columns as the other.

Approved PCIs maybe posted readily, whereas pending ones need to be approved before posting.

How many forecast methods are available in phase/category maintenance?



Pop-up window launched from LOV on Meth column on the JC Enter Budget screen

There are three forecast methods available in the drop-down list. They are:

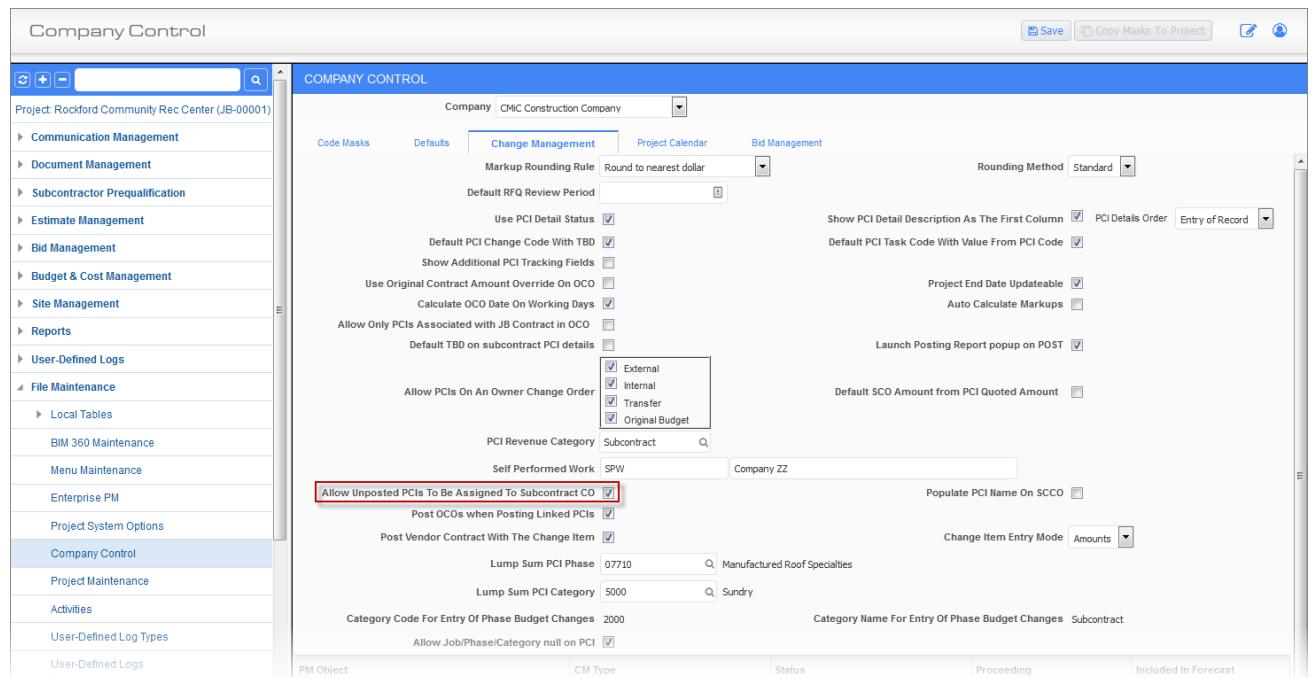
- Amounts
- Productivity
- Units

There is a fourth budget method, which is called “Labor Forecast”. This can be set on the Maintain Cost Categories screen, when the ‘Available on GC Monitor’ box is checked for a category, then “Labor” is selected in the Cost Type field, and finally “Amounts” is selected in the Default Forecast Method field (standard Treeview path: Job Costing > Setup > Local Tables > Enter Category).

Any bill code with this category will be forecast in GC Monitor and the Cost To Complete and Projected Cost Forecast fields are populated from GC Monitor, otherwise called as Labor Forecast.

Can we assign a pending internal PCI to a subcontract change order?

Yes, a pending internal PCI can be assigned to an SCO if the 'Allow Unposted PCIs to be Assigned to Subcontract CO' box is checked on the Change Management tab of the Company Control screen in CMiC Field.



Company Control; standard Treeview path: CMiC Field > File Maintenance > Company Control – Change Management tab

Can an RFP be posted if it exceeds the contract amount? How this is related to contract forecasting?

The screenshot shows the 'SUBCONTRACT CONTROL' interface with the 'RFP Defaults' tab selected. In the 'Description On Request For Payment' section, there is a dropdown menu labeled 'Do Not Allow To Post RFP When Exceeds Contract Amount' which is currently set to 'Not Applicable'. This field is highlighted with a red border.

Pgm: SCCTRL – Subcontract Control; standard Treeview path: Subcontract Management > Local Tables > Control – RFP Defaults tab

Yes, if the drop-down value of the Do Not Allow to Post RFP When Exceeds Contract Amount field is set to “Not Applicable”, the RFP exceeding the contract amount can be posted.

When determining the largest of the spent vs commitment amount for the Spent/Committed Total column, then the spent amount can be greater than the commitment, with this setting.

How do negative and positive PCIs impact contract forecasting?

Both PCIs effect contract forecasting in the same way. The Cost to Complete column will reflect the negative posted PCIs by summing up all posted PCIs.

Contract Forecasting with PCI Projections - R12

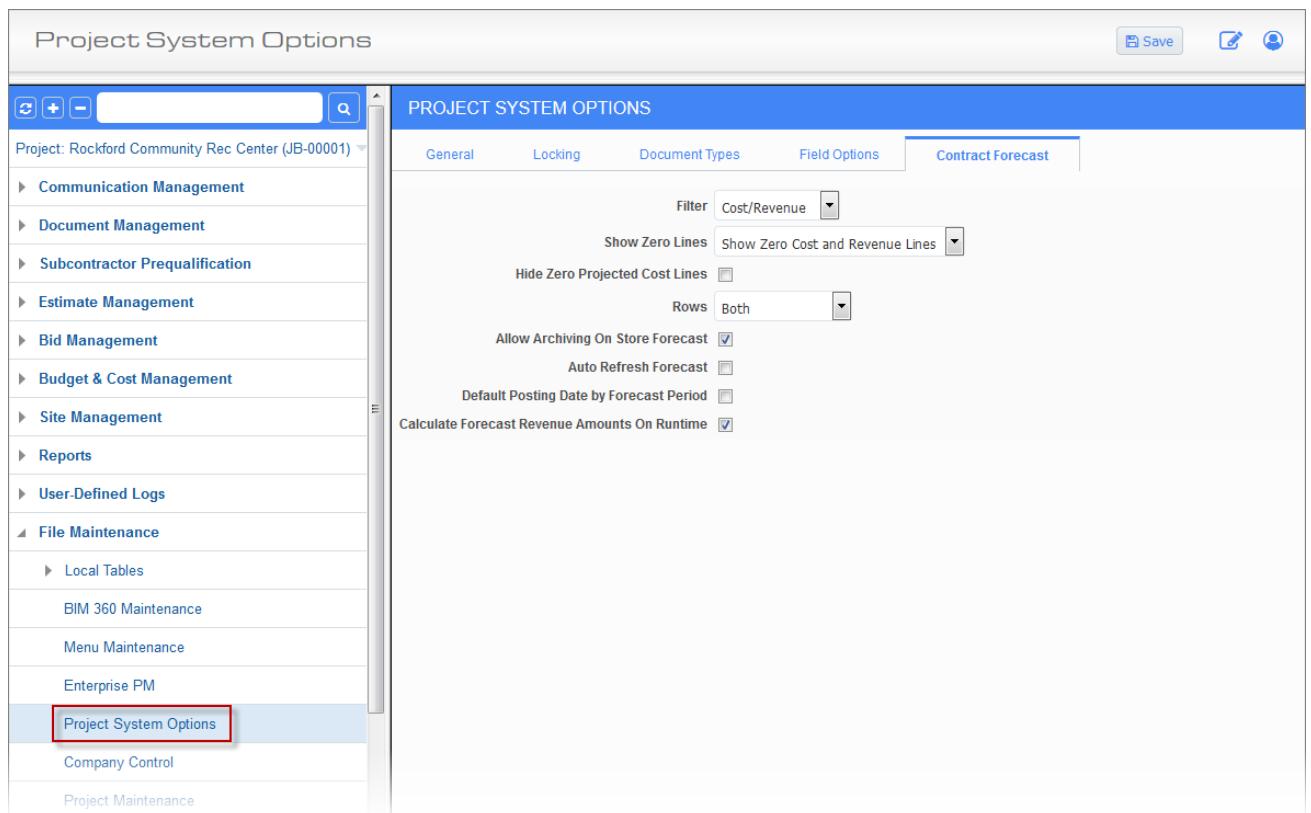
The screenshot shows the 'JOB COST CONTROL FILE' interface with the 'Forecasting' tab selected. The 'Selection Criteria' section includes a company search bar set to 'CMiC Construction Company'. Below the tabs are various buttons like Search, Insert, Delete, Workflows, Report Options, ECM Documents, and User Extensions. The 'Forecasting' tab has several configuration options:

- 'Forecasting Method' dropdown set to 'Standard'.
- 'Contract Forecast Year' dropdown set to '2019'.
- 'Contract Forecast Period' dropdown set to '1'.
- A checked checkbox labeled 'Allow Forecast For Future Periods'.
- A checked checkbox labeled 'Allow Negative Values In Cost To Complete' (which is highlighted with a red box).
- Other checked checkboxes include 'Use Billing Rate Table For Revenue Forecast', 'Max Billing Amount Includes Unposted PCI's', 'Copy Last Stored Forecast', and 'Limit Payroll Costs By Reference Date'.
- unchecked checkboxes include 'Notes To Be Carried Forward Through Periods' and 'Show Negative Values in Cost To Complete'.
- 'Default Projection Threshold %' input field set to '0'.
- 'Detailed Time Phased Budgeting' and 'Nested Groups Use Savings From Lower Levels' checkboxes.
- 'GC Monitor Cost Cutoff Option' dropdown set to 'Company Level'.
- 'Default GC Monitor Import/Export Method' dropdown set to 'Replace Matching Lines Only'.

Pgm: JCCTRLFM – Job Cost Control File; standard Treeview path: Job Costing > Setup > Local Tables > Control File – Forecasting tab

When the summary amount goes negative and if the 'Allow Negative Values in Cost To Complete' box on the Forecasting tab of the Job Cost Control File is checked, then the column will reflect negative values accordingly.

How do I change the default values for the forecast header filters?



Pgm: Project System Options; standard Treeview path: CMiC Field > File Maintenance > Project System Options – Contract Forecast tab

The default filter values can be set on the Forecast tab of the Project System Options screen in CMiC Field.

Contract Forecasting - How To

- [Contract Forecasting - Resolving Contract Forecasting One-To-One Mapping Error](#)
- [Contract Forecasting - Internal Pending PCI Behavior for Contract Forecasting](#)

Contract Forecasting - Resolving Contract Forecasting One-To-One Mapping Error

Overview

Contract Forecast with PCI Projections; standard Treeview path: CMiC Field > Budget & Cost Management > Contract Forecasting

This process describes how to resolve one-to-one mapping errors in the [Contract Forecasting with PCI Projections](#) screen that occur when a contract has a bill code mapped to more than one cost code category.

Process

The following steps outline how to identify and remove duplicate billing codes in a contract.

Step 1: Export Cost Codes to Excel

The screenshot shows the 'Assign Billing Codes to Cost Code/Cost Type' interface. At the top, there's a blue header bar with various icons and buttons. Below it is a section titled 'Selection Criteria' containing fields for 'Company' (set to 'CMiC Construction Company') and 'Contract' (set to '10023 Cupcake Bakery'). There are also fields for 'Description' and 'Controlling Job'. A dropdown menu for 'Sorting Order' is open. The main area is titled 'CostCode/Category' and contains a table with columns: Billing Code, WM, Job Code, Cost Code, Cost Code Name, and WM. Three rows of data are visible in the table. The 'Export' button in the toolbar above the table is highlighted with a red box.

Billing Code	WM	Job Code	Cost Code	Cost Code Name	WM
10023.01-103.1000	HR	10023	01-103	Site office	NA
10023.01-103.2000	NA	10023	01-103	Site office	NA
10023.01-103.3000	HR	10023	01-103	Site office	NA

Pgm: JBJCMST – Assign Billing Codes to Cost Code/Categories; standard Treeview path: Job Billing > Contracts > Assign Billing Codes to Cost Code/Categories

In the Assign Billing Codes to Cost Code/Categories screen in the Job Billing module in Enterprise, select the contract and use the [Export] button to export the Cost Code/Category table to Excel.

Step 2: Search for Duplicate Bill Codes

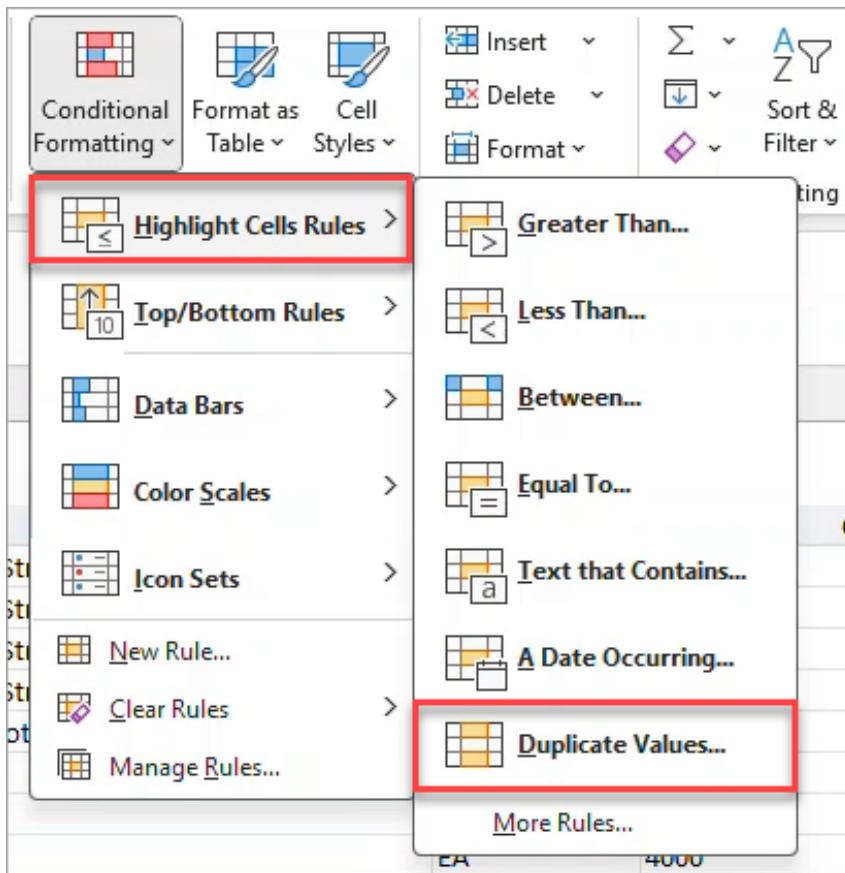
The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F
1	COST CODE/COST TYPE_20250311201231					
2						
3	Billing Code	WM	Job Code	Cost Code	Cost Code Name	WM
4	10023.01-100.1000	HR	10023	01-100	Temporary Structures	EA
5	10023.01-100.1000	HR	10023	01-100	Temporary Structures	EA
6	10023.01-100.3000	NA	10023	01-100	Temporary Structures	EA
7	10023.01-100.4000	NA	10023	01-100	Temporary Structures	EA
8	10023.01-100.OH	\$	10023	01-100	Progress photos	EA
9	10023.01-102.2000	NA	10023	01-102	Site Office	EA
10	10023.01-103.1000	HR	10023	01-103	Site Office	EA
11	10023.01-103.2000	NA	10023	01-103	Site Office	EA
12	10023.01-103.3000	HR	10023	01-103	Site Office	EA
13	10023.01-103.4000	HR	10023	01-103	Site Office	EA
14	10023.01-103.41.1	HR	10023	01-103	Site Office	EA
15	10023.01-103.41.2	HR	10023	01-103	Site Office	EA
16	10023.01-103.41.3	HR	10023	01-103	Site Office	EA
17	10023.01-103.41.4	HR	10023	01-103	Site Office	EA

Example of Cost Code/Cost Type Excel file

In the Cost Code/Cost Type Excel file, select the Billing Code column. On the Home tab, select Conditional Formatting.

Contract Forecasting with PCI Projections - R12



Example of Conditional Formatting drop-down in Excel

In the Conditional Formatting drop-down, select Highlight Cells Rules and then select Duplicate Values.

The screenshot shows a Microsoft Excel spreadsheet with a table containing data across columns A through G. Row 4 is selected and highlighted in red. A 'Format cells that contain' dialog box is open, showing the 'Duplicate' option selected under 'Format cells that contain:' and 'values with Light Red Fill with Dark Red Text' selected under 'Format with...'. The 'OK' button is visible at the bottom right of the dialog.

A	B	C	D	E	F	G
1 COST CODE/COST TYPE_20250311201231						
2						
3 Billing Code	WM	Job Code	Cost Code	Cost Code Name	WM	Cost Type
4 10023.01-100.1000	HR	10023	01-100	Temporary Structures	EA	1000
5 10023.01-100.1000	HR	10023	01-100	Temporary Structures	EA	2000
6 10023.01-100.3000	NA	10023	01-100	Temporary Structures	EA	3000
7 10023.01-100.4000	NA	10023	Duplicate Values	?	EA	4000
8 10023.01-100.OH	\$	10023	Format cells that contain:	X	EA	OH
9 10023.01-102.2000	NA	10023			EA	2000
10 10023.01-103.1000	HR	10023	Duplicate	values with Light Red Fill with Dark Red Text	EA	1000
11 10023.01-103.2000	NA	10023			EA	2000
12 10023.01-103.3000	HR	10023			EA	3000
13 10023.01-103.4000	HR	10023	01-103	Site Office	EA	4000
14 10023.01-103.41.1	HR	10023	01-103	Site Office	EA	41.1

Example of Duplicate Values pop-up in Excel

Select the desired formatting conditions in the Duplicate Values pop-up and press [OK] to apply the formatting to the Billing Code column. In the example shown above, the duplicate billing codes are shown with a light red fill and are mapped to two different cost code categories (i.e., "1000" and "2000" in the Cost Type column).

Step 3: Query and Remove Duplicate Bill Codes

ASSIGN BILLING CODES TO COST COST CODE/COST TYPE

Selection Criteria

* Company	CCC		CMIC Construction Company
* Contract	10023		Cupcake Bakery
Description			
Controlling Job	10023	Cupcake Bakery	
* Sorting Order	Job/Cost Code/Cost Type/Billing Code		

CostCode/Category

View				Mass Update		Report Options		ECM Documents	...
Billing Code	WM	Job Code	Cost Code	Cost Code Name	WM	* Cost Type			
10023.01-100.1000	HR	10023	01-100	Temporary Structures	EA	1000			
10023.01-100.1000	HR	10023	01-100	Temporary Structures	EA	2000			

Pgm: JBJCMST – Assign Billing Codes to Cost Code/Categories; standard Treeview path: Job Billing > Contracts > Assign Billing Codes to Cost Code/Categories

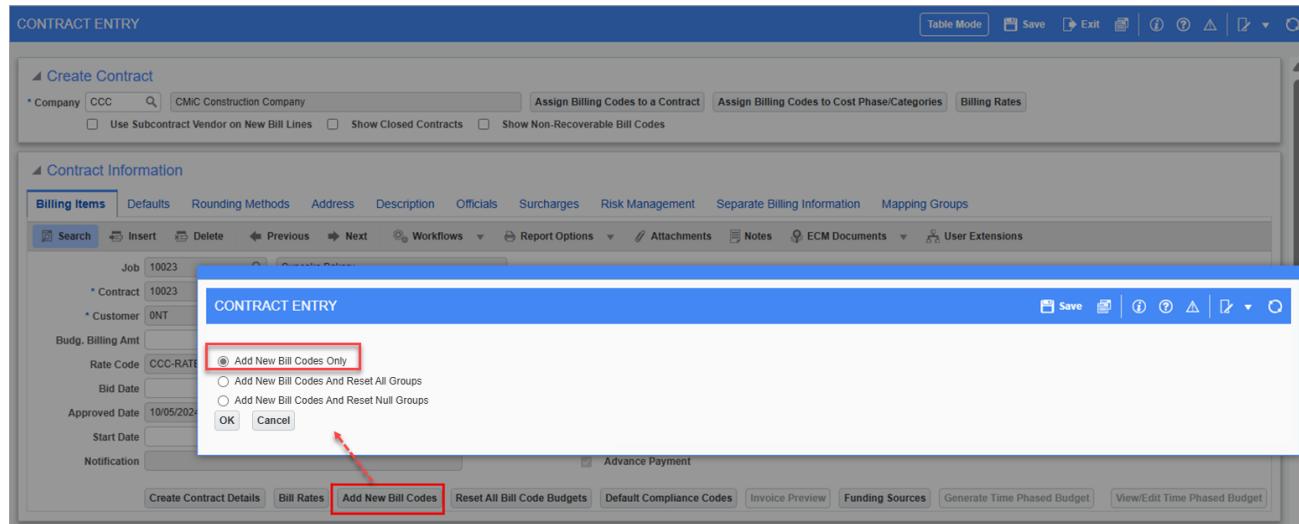
In the Assign Billing Codes to Cost Code/Categories screen, use the Filter icon () on the Block Toolbar to filter the Cost Code/Category section by the duplicated billing code. Users can copy the billing code from the Excel file and paste the value into the filter field. For more information, please refer to Query by Example in the Getting Started guide.

CostCode/Category							
View		Freeze	Detach	Search	Mass Update	Workflows	Report Options
						Export	ECM Documents
	10023.01-100.1000						
Billing Code	WM	Job Code	Cost Code	Cost Code Name	WM	* Cost Type	
10023.01-100.1000	HR	10023	01-100	Temporary Structures	EA	1000	
		10023	01-100	Temporary Structures	EA	2000	

Example of deleted billing code in Cost Code/Category section

Delete the value in the Billing Code field that does not match the cost code category and press [Save].

Step 4: Add New Bill Codes to Contract



Pgm: JBCONT – Contract Entry; standard Treeview path: Job Billing > Contracts > Enter Contract – Billing Items tab

In the Contract Entry screen in the Job Billing module, select the contract and press the [Add New Bill Codes] button on the Billing Items tab. In the pop-up, select the 'Add New Bill Codes Only' radio button.

Step 5: Launch Contract Forecasting with PCI Projections

Contract Forecast with PCI Projections														
CONTRACT														
BILL CODES (FILTERED)														
Job number	Phase	Category	Type	Method	Notes	Pending CO (Incl. Risk)	Pending CO (REVENUE) Projection at Completion	Current Cost Budget	Pending Internal PCI Cost To Complete	Spent/Committed Total	Cost to Complete	% Complete (Est.)	Proj. Cost Forecast (Incl. Pending CO)	
10023	01-100	1000	COST	P		1,073.00	913.00	8,567.00	7,576.00	80.00	7.00	7,569.00	Q_	9.26
10023	01-100	2000	COST	A	test	1,130.00	1,130.00	9,776,859.00	6,696.00	0.00	0.00	9,776,859.00	Q_	0.00
10023	01-100	3000	COST	U	test	20,715.00	22,713.00	1,112,748.00	786.00	0.00	0.00	1,090,035.00	Q_	0.00
10023	01-100	4000	COST	P		170.00	170.00	1,170.00	756.00	0.00	80.00	920.00	Q_ ✓	9.26 ✓
10023	01-102	2000	COST	A		-970.00	-970.00	409,353.00	70.00	0.00	0.00	410,323.00	Q_	0.00
10023	01-103	1000	COST	A		0.00	0.00	0.00	0.00	0.00	0.00	0.00	Q_	0.00
10023	01-103	2000	COST	A		0.00	0.00	0.00	0.00	0.00	0.00	0.00	Q_	0.00

Contract Forecast with PCI Projections; standard Treeview path: CMiC Field > Budget & Cost Management > Contract Forecasting

Users can launch the Contract Forecasting with PCI Projections screen to verify that the one-to-one mapping error has been resolved, as shown in the screenshot above.

NOTE : Users may need to refresh the forecasting period via the [Refresh] button on the main toolbar to bring in the new billing codes added to the contract.

Contract Forecasting - Internal Pending PCI Behavior for Contract Forecasting

Overview

This article describes the behavior of internal pending PCIs in the Contract Forecast screen when pending internal PCIs are to be included in the budget. It demonstrates how the internal pending PCIs should impact bill code lines with the forecast method set as "P", "U", or "A". It will also show how these PCIs are meant to be used in the Projected Cost Forecast and Projected Cost Forecast incl. Pending CO columns seen on screen.

NOTE: The KENDO version has a different look, but the functionality is the same.

Setup

The following checkboxes need to have the proper settings to allow the use of pending PCIs in the projected cost forecast.

1. In the Change Management Control File screen, check the 'Internal Change Orders Update Budget' box so that the budget will update upon internal PCI posting.

Contract Forecasting with PCI Projections - R12

CHANGE MANAGEMENT CONTROL FILE

Selection Criteria		Control Detail																													
Company CCC	<input type="button" value="Search"/>	CMIC Construction Company	<input type="button" value="Copy Control File"/>																												
<input type="button" value="Search"/> <input type="button" value="Insert"/> <input type="button" value="Delete"/> <input type="button" value="Workflows"/> <input type="button" value="Report Options"/> <input type="button" value="ECM Documents"/> <input type="button" value="User Extensions"/>																															
<p><input checked="" type="checkbox"/> Automatic Numbering Of Change Items</p> <table> <tr> <td>External CI Number Mask</td> <td>N</td> <td>Sample</td> <td>N</td> </tr> <tr> <td>Internal CI Number Mask</td> <td></td> <td>Sample</td> <td></td> </tr> <tr> <td>Transfer CI Number Mask</td> <td></td> <td>Sample</td> <td></td> </tr> <tr> <td>Original Budget CI Number Mask</td> <td></td> <td>Sample</td> <td></td> </tr> </table> <p><input checked="" type="checkbox"/> Automatic Numbering Of Owner Change Order Proposals</p> <table> <tr> <td>Proposal Number Mask</td> <td>OCP****</td> <td>Sample</td> <td>OCP12345</td> </tr> <tr> <td><input checked="" type="checkbox"/> Automatic Numbering Of Owner Change Orders</td> <td><input checked="" type="checkbox"/> Allow Override</td> <td colspan="2"></td> </tr> <tr> <td>Owner CO Number Mask</td> <td>OCO****</td> <td>Sample</td> <td>OCO12345</td> </tr> </table> <p><input checked="" type="checkbox"/> Days Impact on Owner Change Order is Required</p> <p><input checked="" type="checkbox"/> Transfer CI Budgeted Amount Must Be Balanced</p> <p><input checked="" type="checkbox"/> Transfer CI Billing Amount Must Be Balanced</p> <p><input type="checkbox"/> Validate Balanced Transfers On Posting Only (PM)</p> <p><input type="checkbox"/> Mandatory Bill Code on Transfer Change Orders</p> <p><input type="checkbox"/> Post Vendor Contract With The Change Item</p> <p><input checked="" type="checkbox"/> Update Projected Amount During Posting</p> <p>Recalculate Projected Amount <input style="width: 20px; height: 15px; vertical-align: middle;" type="button" value="..."/></p> <p>Category For Entry Of Cost Code Budget Changes <input style="width: 20px; height: 15px; vertical-align: middle;" type="button" value="..."/></p> <p><input checked="" type="checkbox"/> Allow Cost Code Budget Changes Against Any Category</p> <p><input type="checkbox"/> Synchronize SCO And PCI Amounts</p> <p><input type="checkbox"/> Exceed more than 100% on Minority Participation</p>				External CI Number Mask	N	Sample	N	Internal CI Number Mask		Sample		Transfer CI Number Mask		Sample		Original Budget CI Number Mask		Sample		Proposal Number Mask	OCP****	Sample	OCP12345	<input checked="" type="checkbox"/> Automatic Numbering Of Owner Change Orders	<input checked="" type="checkbox"/> Allow Override			Owner CO Number Mask	OCO****	Sample	OCO12345
External CI Number Mask	N	Sample	N																												
Internal CI Number Mask		Sample																													
Transfer CI Number Mask		Sample																													
Original Budget CI Number Mask		Sample																													
Proposal Number Mask	OCP****	Sample	OCP12345																												
<input checked="" type="checkbox"/> Automatic Numbering Of Owner Change Orders	<input checked="" type="checkbox"/> Allow Override																														
Owner CO Number Mask	OCO****	Sample	OCO12345																												
<input type="checkbox"/> Update Max Billing Amounts In JB During Posting <input checked="" type="checkbox"/> Internal Change Orders Update Budget <input checked="" type="checkbox"/> Default Job Code From Change Item Header <input type="checkbox"/> Group SC Tasks When Assigning To The Change Item <input checked="" type="checkbox"/> Create Subcontracts From Change Management <input type="checkbox"/> Rollup Change Item Lines In SC Change Orders <input type="checkbox"/> Default Billing Amounts Based On Rates Table Setup																															

Pgm: CMCTRL – Change Management Control File; standard Treeview path: Change Management > Local Tables > Control

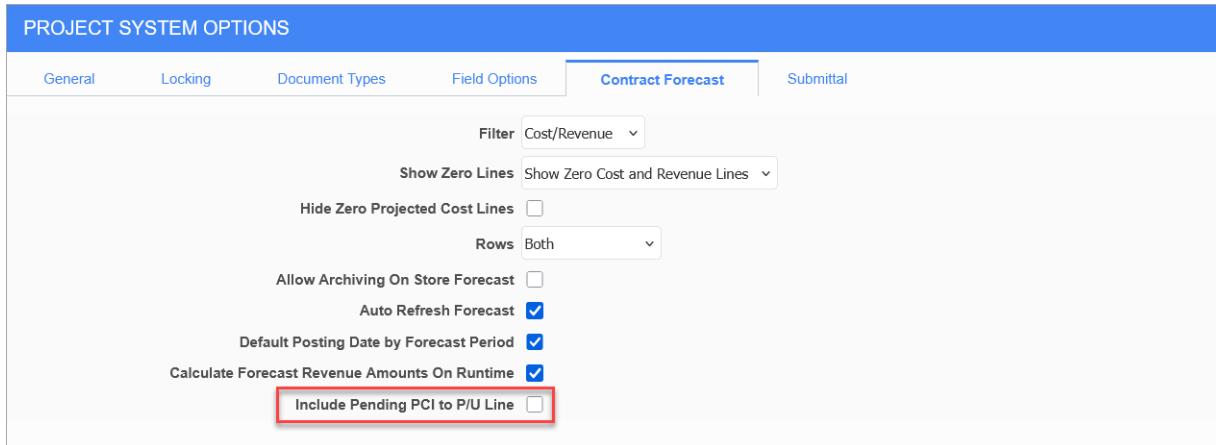
2. In the Job Costing Control File screen, uncheck the 'Pending Internal CO Will NOT Update Projected Cost Forecast' box. This applies to the base Projected Cost Forecast column only, which would leave the internal pending PCIs to apply fully to the Projected Cost Forecast incl. Pending CO column alongside the other PCI classes.

JOB COST CONTROL FILE

Selection Criteria		Forecasting	
Company CCC	<input type="button" value="Search"/>	CMIC Construction Company	<input type="button" value="Copy Control File"/>
<input type="button" value="Job Setup"/> <input type="button" value="Accounting"/> <input type="button" value="Additional Charges"/> <input type="button" value="Bid Setup"/> <input type="button" value="Billing"/> <input type="button" value="Budget"/> <input checked="" type="button" value="Forecasting"/> <input type="button" value="WIP"/> <input type="button" value="Revenue Exceptions"/> <input type="button" value="Jobs"/> <input type="button" value="Change Management"/> <input type="button" value="Forward Loss"/> <input type="button" value="LEMS Tracking"/>			
<input type="button" value="Search"/> <input type="button" value="Insert"/> <input type="button" value="Workflows"/> <input type="button" value="Report Options"/> <input type="button" value="ECM Documents"/> <input type="button" value="User Extensions"/>			
<p><input checked="" type="checkbox"/> Forecasting Method Standard</p> <p>Contract Forecast Year 2025</p> <p>Contract Forecast Period 2</p> <p><input checked="" type="checkbox"/> Allow Forecast For Future Periods</p> <p><input type="checkbox"/> Use Billing Rate Table For Revenue Forecast</p> <p><input type="checkbox"/> Max Billing Amount Includes Unposted PCI's</p> <p><input checked="" type="checkbox"/> Copy Last Stored Forecast</p> <p><input checked="" type="checkbox"/> Notes To Be Carried Forward Through Periods</p> <p><input checked="" type="checkbox"/> Pending Internal CO Will NOT Update Projected Cost Forecast</p> <p><input checked="" type="checkbox"/> Allow Negative Values In Cost To Complete</p> <p><input type="checkbox"/> Limit Payroll Costs By Reference Date</p> <p><input checked="" type="checkbox"/> Show Negative Values In Cost To Complete</p> <p>Default Projection Threshold % 0</p> <p><input type="checkbox"/> Detailed Time Phased Budgeting</p> <p><input checked="" type="checkbox"/> Nested Groups Use Savings From Lower Levels</p> <p>GC Monitor Cost Cutoff Option Resource Level</p> <p>Default GC Monitor Import/Export Method Replace Matching Lines Only</p> <p><input type="checkbox"/> Create Detail Needs In Resource Plan Screen</p> <p><input type="checkbox"/> GC Monitor Considers PY Holiday Setup</p>			

Pgm: JCCTRLFM – Job Cost Control File – Job Setup tab; standard Treeview path: Job Costing > Setup > Local Tables > Control File – Forecasting tab

3. In the Project System Options screen of CMiC Field, uncheck the 'Include Pending PCI to P/U Line' box. This will apply all types of pending PCI to the P/U lines for the Projected Cost Forecast column only, and not the Projected Cost Forecast incl. Pending CO column.



Standard Treeview path: CMiC Field > File Maintenance > Project System Options – Contract Forecast tab

Process by Example

CONTRACT																				
Contract	BTESTB1	Year	2024	Current Status		In Process	Filter	<input checked="" type="radio"/> Cost/Revenue	<input type="radio"/> Projected Cost	Show	<input type="checkbox"/> Zero Cost Lines	<input checked="" type="checkbox"/> Zero Cost and Revenue Lines	Hide	<input type="checkbox"/> Zero Projected Cost Lines	Rows	<input type="radio"/> Recoverable	<input type="radio"/> Non-Recoverable	<input checked="" type="radio"/> Both	Go	
Job	Period	12	Status	In Process																
BILL CODES (FILTERED)																				
Att	Freeze Update	Notes	Job number code	Bill Code	Contract Code	Phase	Category	Type	Method	Cost to Complete			Projected Cost Forecast	Proj Cost Fore... (Incl. Pending ...)	Cost Variance	Cost To Complete (Pending CO)	Cost Varianc (Incl Pending)			
			BTESTB1.00.1000	BTESTB1	00	1000	COST	R	0.00	0.00	Q	-70.00	-70.00	570.00	0.00	51				
			BTESTB1.00.2000	BTESTB1	00	2000	COST	A	0.00	500.00	Q	500.00	500.00	0.00	0.00					
			BTESTB1.00.3000	BTESTB1	00	3000	COST	U	0.00	29,520.00	Q	30,000.00	30,080.00	0.00	80.00					
			BTESTB1.00.4000	BTESTB1	00	4000	COST	A	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.00.5000	BTESTB1	00	5000	COST	A	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.00.6000	BTESTB1	00	6000	COST	A	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.00.8000	BTESTB1	00	8000	COST	A	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.00.9000	BTESTB1	00	9000	COST	A	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.01.1000	BTESTB1	01	1000	COST	P	0.00	100.00	Q	100.00	105.00	0.00	5.00					
			BTESTB1.01.2000	BTESTB1	01	2000	COST	P	0.00	9,973.00	Q	10,000.00	9,003.00	0.00	-937.00					
			BTESTB1.01.3000	BTESTB1	01	3000	COST	A	0.00	32,350.00	Q	35,380.00	-390.00	0.00	389.00					
			BTESTB1.01.4000	BTESTB1	01	4000	COST	P	0.00	400.00	Q	400.00	400.00	0.00	0.00					
			BTESTB1.02.1000	BTESTB1	02	1000	COST	A	0.00	400.00	Q	400.00	400.00	0.00	0.00					
			BTESTB1.02.1000	BTESTB1	1	1000	COST	P	0.00	100.00	Q	100.00	100.00	0.00	0.00					
			BTESTB1.02.2000	BTESTB1	1	2000	COST	P	0.00	200.00	Q	200.00	200.00	0.00	0.00					
			BTESTB1.02.3000	BTESTB1	1	3000	COST	P	0.00	300.00	Q	300.00	300.00	0.00	0.00					
			BTESTB1.02.4000	BTESTB1	1	4000	COST	P	0.00	400.00	Q	400.00	400.00	0.00	0.00					
			BTESTB1.02.10000	BTESTB1	00	10000	COST	R	0.00	0.00	Q	0.00	0.00	500.00	0.00	50				
			BTESTB1.02.20000	BTESTB1	00	20000	COST	P	0.00	777.00	Q	777.00	777.00	0.00	0.00					
			BTESTB1.02.30000	BTESTB1	00	30000	COST	A	0.00	600.00	Q	600.00	600.00	0.00	0.00					
			BTESTB1.02.40000	BTESTB1	00	40000	COST	A	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.50000	BTESTB1	00	50000	COST	A	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.60000	BTESTB1	00	60000	COST	A	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.80000	BTESTB1	00	80000	COST	A	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.90000	BTESTB1	00	90000	COST	A	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	100000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	200000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	300000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	400000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	500000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	600000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	800000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	900000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	1000000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	1100000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	1200000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	1300000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	1400000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	1500000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	1600000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	1700000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	1800000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	1900000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	2000000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	2100000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	2200000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	2300000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	2400000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	2500000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	2600000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	2700000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	2800000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	2900000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	3000000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	3100000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	3200000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	3300000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	3400000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	3500000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	3600000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	3700000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	3800000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	3900000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	4000000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	4100000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	4200000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	4300000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	4400000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.100000	BTESTB1	01	4500000	COST	P	0.00	0.00	Q	0.00	0.00	0.00	0.00					
			BTESTB1.02.10000																	

Contract Forecasting with PCI Projections - R12

PL/SQL Block: Select jccontforecastdet Select jcbal Select jccontforecast_jsp_archive															
	JCCF_PEND_CHG_ORD_COST_AMT	JCCF_PEND_INT_CHG_ORD	JCCF_PENDING_CHG_ORD_BILL_AMT	JCCF_PENDING_CO_AMT	JCCF_INT_PENDING_CO_AMT	JCCF_INT_PEND_CO_SPENT_AMT	JCCF_INT_PEND_CO_TO_COMPL_AMT	JCCF_COST_FCST_INCL_PCI_AMT							
1	-988	0	-988	0	0	0	0	-738	1	2	349	349	349	349	349
2	-1	0	0	0	0	0	0	0	2	3	306	306	306	306	306
3	0	0	0	0	0	0	0	0	3	4	9063	9063	9063	9063	9063
4	-987	P Method	0	-987	0	51	0	0	4	5	35389	35389	35389	35389	35389
5	389	A Method	0	389	0	390	0	389	5	6	30080	30080	30080	30080	30080
6	80	U Method	0	80	0	80	0	80	6						

PL/SQL Block: Select jccontforecastdet Select jcbal Select jccontforecast_jsp_archive															
	JCCF_ORASEQ	JCCF_COMP_CODE	JCCF_CONT_CODE	JCCF_YR	JCCF_PER	JCCF_BILL_CODE	JCCF_ARCHIVE_DATE	JCCF_BILL_JOB_CODE	JCCF_BILL_PHS_CODE	JCCF_BILL_PHS_NAME	JCCF_BILL_PHS_TYPE	JCCF_BILL_CAT_CODE	JCCF_BILL_CAT_NAME	JCCF_BILL_PROJ_FORECAST_COST_AMT	
1	2245301340	ZZ	BTESTBI	2024	12	BTESTBI.01.2000	03/12/2024 2:18:44 PM	• BTESTBI	01	Bidding	2000	Subcontracts	COST	250	
2	2245301341	ZZ	BTESTBI	2024	12	BTESTBI.01.3000	03/12/2024 2:18:44 PM	• BTESTBI	01	Bidding	3000	Equipment	COST	350	
3	2245301342	ZZ	BTESTBI	2024	12	BTESTBI.01.3000	03/12/2024 2:18:44 PM	• BTESTBI	00	Bidding	3000	Equipment	COST	600	
4	2245301343	ZZ	BTESTBI	2024	12	BTESTBI.01.3000	03/12/2024 2:18:45 PM	• BTESTBI	01	Bidding	3000	Subcontracts	COST	1000	
5	2245301341	ZZ	BTESTBI	2024	12	BTESTBI.01.3000	04/12/2024 1:45:15 PM	• BTESTBI	01	Bidding	3000	Equipment	COST	35389	
6	2245301333	ZZ	BTESTBI	2024	12	BTESTBI.00.3000	04/12/2024 1:45:19 PM	• BTESTBI	00	Bidding	3000	Equipment	COST	30080	

The Job Costing balances table (found in the database as da.JCBAL) shows the projected cost and projected cost including pending PCI (risk) amount as shown on the Contract Forecasting screen. The first is the base Projected Cost Forecast and the second matches the Projected Cost Forecast incl. Pending CO:

PL/SQL Block: Select jccontforecastdet Select jcbal Select jccontforecast_jsp_archive															
	JCBAL_COMP_CODE	JCBAL_YR	JCBAL_PER	JCBAL_JOB_CODE	JCBAL_JOB_CTRL_CODE	JCBAL_PHS_CODE	JCBAL_PHS_CTRL_CODE	JCBAL_CAT_CODE	JCBAL_CAT_CTRL_CODE	JCBAL_USED_UNIT	JCBAL	JCBAL_PROJ_COST_AMT	JCBAL_PROJ_COST_RISK_AMT		
1	ZZ	2024	12	BTESTBI	ALL	00	ALL	2000	ALL	ALL	1	\$00.00	\$00.00		
2	ZZ	2024	12	BTESTBI	ALL	00	ALL	3000	ALL	ALL	2	30000.00	30080.00		
3	ZZ	2024	12	BTESTBI	ALL	01	ALL	2000	ALL	ALL	3	10000.00	9063.00		
4	ZZ	2024	12	BTESTBI	ALL	01	ALL	3000	ALL	ALL	4	35390.00	35389.00		
5	ZZ	2024	12	BTESTBI	ALL	1	ALL	2000	ALL	ALL	5	20000.00	20000.00		
6	ZZ	2024	12	BTESTBI	ALL	1	ALL	3000	ALL	ALL	6	300.00	300.00		

The internal pending PCI is set to be included in the forecast and proceeding based on the checkboxes tied to the status of the PCI. Two detail lines are made for each method: "A", "P", and "U". One of each pair is tied to a subcontract (and an RFP invoice) and the other is not tied to any commitment.

Contract Forecasting with PCI Projections - R12

Potential Change Item

PCI Detail RFQ Review/Approval Notes Related Objects Attachments History

INT0001

Type Internal / Change Order	Modify	Description pending internal with cost on it
Status Approved	Proceed Forecast Allow Costs	OCC no.
Date 12/30/2024	Scope	Source Type
Post Date	Total Budgeted Amount 546.00	Reason
Total Billed Amount 0.00	Days Impact	
Total Billing Amount 0.00	Source	
	Scope Of Work Details	Projected Amount
		Calc Method
		Add Change Budget Amount

Key Dates

Start Date	Due To Owner	Proposal Issued	Change Issued
End Date		PCI Approved Rejected/Voided	Change Signed

PCI Details

Show Rates Auto Calculate Markups

Action	Print	Seq	Description	Markup	Vendor	Vendor Name	Contract	Job	Cost Code	Category	Cost Currency	Revenue Currency	Final Rate	Final Amount	Billing	Original Budgeted Amount
<input checked="" type="checkbox"/>		1	Bidding	<input checked="" type="checkbox"/>	02-APP	1010	BTTESTBI001	BTTESTBI	01	3000	USD	USD	15.00	150.00		35,000.00
<input checked="" type="checkbox"/>		2	Bidding	<input checked="" type="checkbox"/>				BTTESTBI	01	3000	USD	USD	60.00	240.00		35,000.00
<input checked="" type="checkbox"/>		3	Bidding	<input checked="" type="checkbox"/>	02-APP	1010	BTTESTBI001	BTTESTBI	01	2000	USD	USD	9.00	27.00		10,000.00
<input checked="" type="checkbox"/>		4	Bidding	<input checked="" type="checkbox"/>				BTTESTBI	01	2000	USD	USD	8.00	24.00		10,000.00
<input type="checkbox"/>		5		<input checked="" type="checkbox"/>	02-APP	1010	BTTESTBI001	BTTESTBI	00	3000	USD	USD	13.33	80.00		30,000.00
<input type="checkbox"/>		6		<input checked="" type="checkbox"/>				BTTESTBI	00	3000	USD	USD		25.00		30,000.00

Potential Change Items; standard Treeview path: CMiC Field > Budget & Cost Management > Potential Change Items

For the status setup, the PCI Status Codes screen in the Change Management module is where the PCI can be included in the forecast by checking the 'Forecast' boxes shown in the screenshot below:

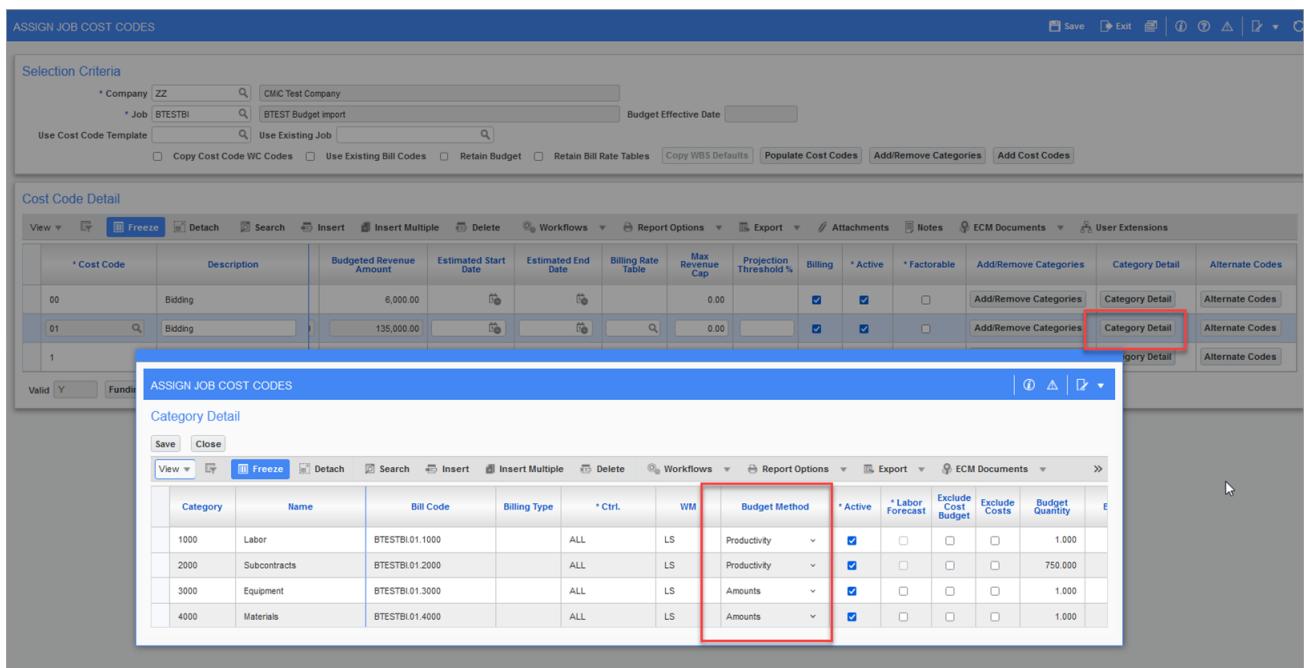
Contract Forecasting with PCI Projections - R12

MAINTAIN PCI STATUS CODES										
Selection Criteria										
Status										
Code	Name	* Pending Type	Name	Proceeding	Forecast	WIP Cost	WIP Revenue	Include In Below The Line	Exclude From LOV	
APP2	approved with forecast	P	Pending	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
APPROVED	Approved	A	Approved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
APPWIP	APPROVED WIP	A	Approved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DISPUTE	Dispute - No Revenue	N	Pre-Pending	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PEN2	pending with forecast	P	Pending	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PEND PRO	Pending Proceeding w/ Auth	P	Pending	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PENDING&	Pending	P	Pending	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
PENWIP	PENDING WIP	P	Pending	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PNOWIP	PENDING NO WIP	P	Pending	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PREPENDING	Prepending	N	Pre-Pending	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PREWIP	PREPENDING WIP	N	Pre-Pending	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
T&MPEND	Time & Material Pending	P	Pending	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Pgm: CMSTATFM – Maintain PCI Status Codes; standard Treeview path: Change Management > Local Tables > PCI Status Codes

For the forecast method, these are assigned by default according to the Enter Category screen in the Job Costing module. The method is defaulted into the job, but can be edited on a job-by-job basis in the Assign Cost Codes or Enter Budget screen of the Job Costing module if the job has not started.

Contract Forecasting with PCI Projections - R12



Pgm: JCOPRODSU – Assign Job Cost Codes; standard Treeview path: Job Costing > Job > Assign Cost Codes

NOTE: If WBS mapping is used, some adjustments are made to the total cost to complete for the pending items. The above example does not use WBS mapping, but the idea is still the same between WBS and non-WBS. The WBS specific bill code would generate on the pending PCI (non-internal) if costs are applied to it. For internal PCIs (pending or internal), the cost data is tied to the base bill code.

Index

%

%Complete Billing Types Overview 137

B

Bid Items 229

Bill Codes (Detail) 35, 55

Billing Contract with WBS Mapping 121

Billing Maximums 145

Billing Rate Table & Forecasting 141

Billing Type & Revenue Calculations 135

Billing Type Rate Rules 135

Billing Types 136

Bottom Panel Buttons 74

C

Color Highlights and Hover Text for Cost to Complete and Cost Forecast Columns 89

Company Control 247

Confirmation Message Banners 28

Contract (Header) 30, 99

Contract Forecast (Split Commitments) 107

Controls 4

Cost to Complete Detail 171

E

Escalators Maintenance	129
------------------------------	-----

F

Footer Details (Summary Panel)	79
--------------------------------------	----

Forecast Status Maintenance	250
-----------------------------------	-----

Forecasting Options	1
---------------------------	---

Frequently Asked Questions	271
----------------------------------	-----

G

GC Monitor	207
------------------	-----

GC Monitor – Forecasting	132
--------------------------------	-----

I

Internal Pending PCI Behavior for Contract Forecasting	289
--	-----

J

Job Costing WIP Integration	151
-----------------------------------	-----

L

Labor Category Configuration	127
------------------------------------	-----

Labor Cut-Off Date Maintenance	131
--------------------------------------	-----

Labor Forecast	207
----------------------	-----

Labor Forecasting (Labor Lines Only)	127
--	-----

M

Main Toolbar Buttons	5, 98
----------------------------	-------

O

One-To-One Mapping Error	282
--------------------------------	-----

P

PCI Projection	97
PCI Projection (Split Commitments)	105
PM Classifiers in SCCO	249
PM System Options Table	241
Posting Considerations with Time Phase Budgeting	114
Potential Change Item (Details)	100
Productivity/Units	183
Project System Options	243
Projection Threshold	215

R

Recommended Best Practices	2
Revenue Forecast Amount Calculation for Various Billing Types	80

S

Setting Up WBS Bill Code Mapping	119
Setting Up WBS Codes	118
Setup	237
Setup - Change Management Module	266
Setup - CMiC Field	241
Setup - Hidden Controls	237
Setup - Job Billing Module	263
Setup - Job Costing Module	252

Setup - System Data Module 240

Spread Rules and PCIs Posting 113

T

Table of Column Definition 82

TBD Trade Rate Maintenance 130

Time Phased Budgeting 113

U

Unposted PCIs and Billing Maximums in Forecasting 149

User Maintenance 251

W

WBS Functionality & Contract Forecasting 117

Work Breakdown Structure (WBS) 117