



# Forecasting

The Forecasting module provides a facility for forecasting quantities, values and resources, making use of estimate and valuation information combined with time from the construction program.

## Integrating the Bill of Quantities with the Program

Candy has the unique ability to integrate the bill of quantities and program. Items from the bill of quantities can be allocated to appropriate activities on the corresponding program. A bill item can be allocated to many activities, specifying the quantity allocated to each activity and the spread thereof i.e. when during the activities duration it is to be actioned.

## Forecasting the Bill and Resources

Once the link has been established, financial and engineering information generated in the estimate and valuations can be forecast over time. The resulting information includes each bill item's quantity, resource and financial data allocated to time. Each bill item is priced using resources and Candy can allocate each of the resource quantities and values to time.

## Summarising into Project Codes (With, What & Where)

Costs & Allowables can provide very detailed and powerful information. It is not always possible to generate the cost information to the same level of detail or accuracy. Candy allows the user to

summarise bill items and resources into one or more cost codes to produce summaries based on either one or a combination of the cost codes. The three industry standard approaches to controlling a construction project are provided for - resource based (with), location (where) and task-orientated control (what).

## Forecasting the summary cost codes (When)

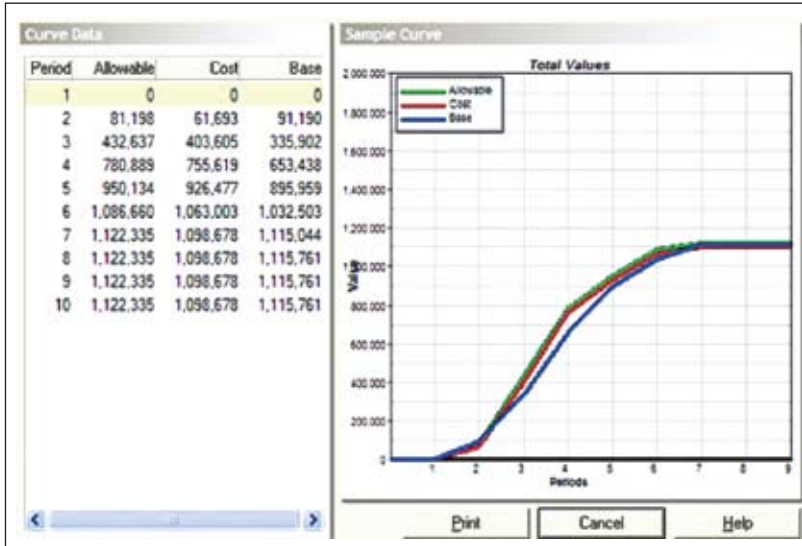
Additionally, utilising the information generated by the Bill -Program link, the "when" control measure can also be achieved.

In conclusion, control of what (task) is being done, where (location) is it being done, with what (resources) is it being done and when (time) will it be done, is readily available.

## Base forecast

Once an initial forecast has been agreed, it can be stored and locked for comparison with future performance on the project. The forecast may be updated at user-defined intervals, based on historical data together with work that remains to be carried out. ▶

BillCode	Description	Unit	Class Code	Total Allowable	Actual		Current	Forecast						
					1 31 Oct 01	2 30 Nov 01	3 31 Dec 01	4 31 Jan 02	5 28 Feb 02	6 29 Mar 02	7 30 Apr 02	8 31 May		
UN1	VENTILATION UN1	m3												
	EARTHWORKS	m3												
	Clear Site	m2	201	728										
			300	1,319										
			400	719										
	Excavation	m3	201	15,983			5,262							
			300	55,523			44,193	7,214						
			400	25,531			17,313	2,888						
			900	11,550			3,335	6,195						
	Filling	m3	201	17,884				12,355	5,284					
			300	28,728				18,758	8,218					
			400	8,931				9,377	2,939					
	EARTHWORKS			155,229			68,549	31,325	37,345	11,376				



## Specifications

- Integrating the bill and program provides immediate forecasting
- Detailed analysis of forecast
- User defined cost codes describing with, what, where
- Summary analysis at cost code level
- Import of costs
- Monthly allowable cost reconciliation
- Remaining and final cost and value forecasts
- Financial and Engineering information

## Monthly Allowable

Each month the progress quantities recorded against each bill item are entered in order to generate a monthly certificate. The monthly allowable is then imported into the Costs & Allowables module for comparison with the monthly costs. Updating the program can provide suggested progress quantities to the bill items each month.

## Collecting Costs

On site the costs would be collected against the various what, with and where cost codes in each period (when). The costs should be compared back to the allowable for each code on a monthly basis. The costs can be imported from a text file, which should be generated by a specialised costing system.

## Forecasting Allowable

Once the Bill of Quantities and the Program have been updated, the remaining allowable can be calculated and spread across the remaining time.

## Forecasting Costs

Factors or percentages may be entered against each cost code in combination with project codes for each reporting period in order to forecast a cost to completion. If a trend is expected to change, future percentage figures may be altered as required.

## Engineering Information

In addition to financial information, Candy also generates engineering information, such as total quantity of resources and total man-hours for the various project codes. This information is vital for the engineering staff to make decisions on site.

## Forecasting made simple

Once the unique Candy link is established between the bill of quantities and program, forecasting over the duration of the project is simple. A full analytical breakdown of the forecast can be easily and readily obtained. The bill of quantities and program will be updated on a monthly basis, which in-turn will automatically update the Costs & Allowables forecasting module.

[www.ccssa.com](http://www.ccssa.com)

Australia	+61	4 1917 9232
Dubai	+971	4 2676115
India	+91	944 7042600
New Zealand	+64	212 833 822
South Africa	+27	12 643 0380
Portugal	+351	21 486 6440
UK	+44	1505 506118

For more tollfree telephone numbers please go to the contacts page on our website



CONSTRUCTION COMPUTER SOFTWARE