



# Explore API Documentation

SelfService\_Estimate\_ResourceCostsReferencedData

Version 1.0

Last Modified: 11/14/2023

Last Modified By: Aaron Cohen

## Change Log

This changelog only contains significant or notable changes to the revision. Any editorial type changes or minor changes are not included.

Revision	Change Date	Description	Modified By
1.0	5/8/2023	Initial draft	Aaron Cohen

## Contents

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Change Log.....	2
Overview.....	3
Relationships and Dependencies.....	3
API Detail.....	4
Supported Filters.....	4
Fields.....	4
Field Descriptions.....	5
Sample.....	6

## Overview

The **SelfService\_Estimate\_ResourceCostsReferencedData** API provides supporting reference data for Resource Unit Costs by Cost Category for the Resource Rate records.

Note for Labor type Resources, there will be an three records for each resource, one record for each Wage Scale

The ResourceCosts entity mainly includes three tables,

- SelfService\_Estimate\_ResourceCosts
- SelfService\_Estimate\_ResourceCostsCalculatedValues
- SelfService\_Estimate\_ResourceCostsReferencedData.

The SelfService\_Estimate\_ResourceCosts table contains Unit Costs by Cost Category as maintained within the Estimate application.

The SelfService\_Estimate\_ResourceCostsCalculatedValues table contains Resource data commonly calculated in some way for display purposes in the application and can provide a convenient way to reference data as it appears in the application without needing to transform it for display purposes.

The SelfService\_Estimate\_ResourceCostsReferencedData contains the values of the foreign key lookup values stored in reference tables and can provide a convenient way to reference data as it appears in the application without needing to lookup the foreign key values from a lookup table.

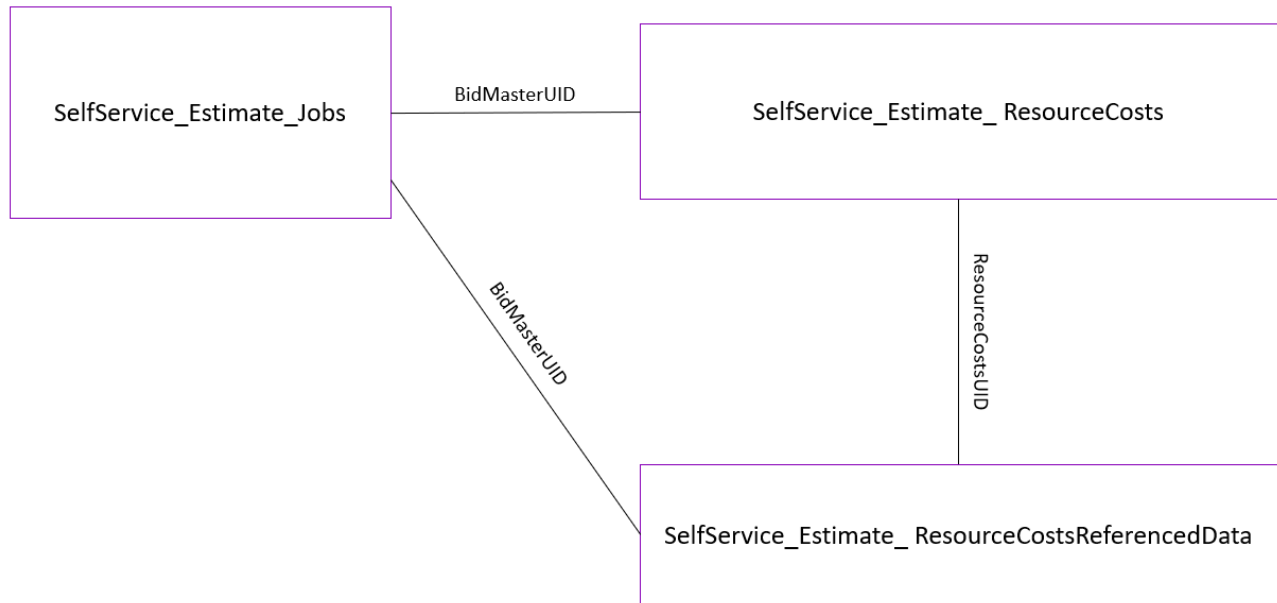
## Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality <sup>1</sup>	Comment
ResourceCostsReferenced Data (RCRD)	Jobs (J)	RCRD.BidMasterJobUID = J.BidMasterJobUID	M:1	
ResourceCostsReferenced Data (RCRD)	ResourceCosts (RC)	RCRD.UID = RC.UID	1:1	

<sup>1</sup> 1:M = One to Many, 1:1 = One to One, M:1 = Many to one



## SelfService\_Estimate\_ResourceCostsReferencedData



### API Detail

Direction	From Project Suite	
Pagination	50,000 Rows	
Frequency	All Reporting APIs are used by calling a GET method at an interval determined by the customer. InEight suggests using these APIs on an infrequent basis (once per day) to avoid potential performance impact to live systems when the returned data set could be large.	
Trigger Method(s)	All default OData filters are supported	
Average Payload Size	Depends on date range selected	
APIM Name	SelfService_Estimate_ResourceCostsReferencedData	
Data Refresh/Delta/Incremental Loads		
Project Suite	Starting Version	23.4
	Ending Version	N/A

### Supported Filters

All default OData filters are supported by this API.

### Fields

Name	Type	Char Max Length	Numeric Precision	Date Precision	Product	PK
EstimateResourceCostReferencedDataId	bigint	8	19	0	Estimate	X
EstimateResourceCostReferencedDataUF	uniqueidentifier	16	0	0	Estimate	
EstimateResourceCostReferencedDataUID	uniqueidentifier	16	0	0	Estimate	
CurrencyName	nvarchar	400	0	0	Estimate	
ResourceCode	nvarchar	30	0	0	Estimate	
BidMasterJobUID	uniqueidentifier	16	0	0	Estimate	
BidMasterJobCode	nvarchar	200	0	0	Estimate	
LastUpdateID	int	4	10	0	Estimate	
IsActive	bit	1	1	0	Estimate	
CreatedById	bigint	8	19	0	Estimate	
CreatedDate	datetimeoffset	10	34	7	Estimate	
ModifiedById	bigint	8	19	0	Estimate	
ModifiedDate	datetimeoffset	10	34	7	Estimate	

## Field Descriptions

Name	Description	Example
EstimateResourceCostReferencedDataId	Unique identifier assigned to each record in the table	1880
EstimateResourceCostReferencedDataUF	System generated field, for internal use only	e6fd9429-709b-0260-2c5e-6a651c21ad82
EstimateResourceCostReferencedDataUID	Unique identifier for the Resource Cost record. Not visible in the Interface	88a623f4-cfd9-4fd1-afcd-d71df17c9ba2
CurrencyName	Resource Rate records assigned default <i>Currency</i> value from the Currencies table. Found on the Setup tab of the Resource Rate record	U.S. Dollar
ResourceCode	Value of the <i>Code</i> field on a Resource Rate record	LT1
BidMasterJobUID	Identifier of the Job record from the Jobs table in the BidMaster database. Not visible in the interface.	6e5bb7dd-bf42-4db1-8393-bd78ed5d3620



BidMasterJobCode	Value of the Code field on the Overview tab of Job Properties in the Estimate Application. The value of this field is set when a job is created and cannot be modified through the interface	Training Job
LastUpdateID	Field for internal use only	11
IsActive	Indicates if record is active. Please note: records will become inactive if a user un-syncs a job from Estimate application	true
CreatedById	System generated Id, will always represent the system, not actual users. This field is for internal use only	1
CreatedDate	Date/timestamp record is entered	2022-12-23T19:16:28.7249979Z
ModifiedById	System generated Id, will always represent the system, not actual users. This field is for internal use only	1
ModifiedDate	Date/timestamp record is modified	2022-12-23T19:16:28.7249979Z

## Sample

```
{
  "ResourceCostsReferencedDataId": 1880,
  "ResourceCostsReferencedDataUF": "e6fd9429-709b-0260-2c5e-6a651c21ad82",
  "EstimateResourceCostsReferencedDataUID": "88a623f4-cfd9-4fd1-afcd-d71df17c9ba2",
  "CurrencyName": "U.S. Dollar",
  "ResourceCode": "LT1",
  "BidMasterJobUID": "6e5bb7dd-bf42-4db1-8393-bd78ed5d3620",
  "BidMasterJobCode": "Training Job",
  "LastUpdateID": 11,
  "IsActive": true,
  "CreatedById": 1,
  "CreatedDate": "2022-12-23T19:16:28.7249979Z",
  "ModifiedById": 1,
  "ModifiedDate": "2022-12-23T19:16:28.7249979Z"
}
```

## Data Validation

This data can be validated by navigating to a Setup tab of the Resource Rate record.

Figure 1: Setup tab on a Resource Rate Record

The screenshot displays the 'Setup' tab for a 'Resource Rate Record' in the InEight Suite software. The window title is 'Training Job - Reporting - Estimate'. The 'Setup' tab is active, showing the following fields and values:

- Code: \* LT1
- Description: Teamster
- Resource File: Standard Labor Rate File
- Geographic Area: Southwest
- Wage Zone: Wage Zone A
- Org. Category: Truck Driver - Teamster
- Account Code: [Empty]
- Cost Driver: CI Duration
- Cost Curve: Employed Cost Item
- Tag 1: Non Union
- Tag 2: Hourly
- Tag 3: [Empty]
- User Defined 1-10: [Empty]
- Notes: [Empty]
- Productivity Factor: 1.00
- Default Quantity: 1.00
- Currency: U.S. Dollar
- Last Changed On: 11/2/2016 11:19:52 AM
- Last Changed By: Sunitha.Jain

At the bottom of the window, there are buttons for OK, Cancel, New..., < Prev, and Next >. The status bar at the very bottom shows 'As-Entered Currency', 'As-Entered Units', 'InEightSuite T01-QA 23.4', and 'Training Job - Reporting'.

