



Explore API Documentation

SelfService_Estimate_CostSource

Version 1.0

Last Modified: 11/14/2023

Last Modified By: Natalie Takacs



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	12/17/2019	Initial draft	Natalie Takacs

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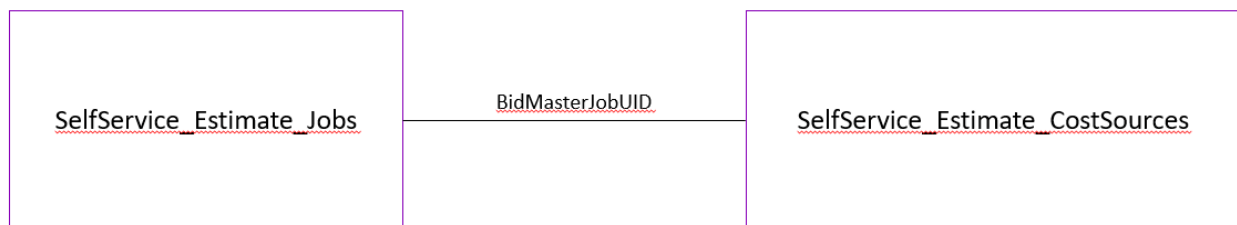
Overview

The **SelfService_Estimate_CostSources** API provides the list of defined Cost Sources for a Cost Item, either Plug, Quote or Detail.

Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality ¹	Comment
CostSources (CS)	Jobs (J)	CS.BidMasterJobUID = J.BidMasterJobUID	M:1	

SelfService_Estimate_CostSources



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_CostSource	
Data Refresh/Delta/Incremental Loads		
Project Suite	Starting Version	21.5
	Ending Version	N/A

¹ 1:M = One to Many, 1:1 = One to One, M:1 = Many to one



Supported Filters

All default OData filters are supported by this API.

Fields

Name	Type	CharMaxLength	NumericPrecision	DatePrecision	Product	PK
EstimateCostSourceId	bigint	8	19	0	Estimate	X
EstimateCostSourceUF	uniqueidentifier	16	0	0	Estimate	
EstimateCostSourceUID	uniqueidentifier	16	0	0	Estimate	
Description	nvarchar	100	0	0	Estimate	
SaveID	int	4	10	0	Estimate	
BidMasterJobUID	uniqueidentifier	16	0	0	Estimate	
LastUpdateID	int	4	10	0	Estimate	
IsActive	bit	1	1	0	Report	
CreatedById	bigint	8	19	0	Report	
CreatedDate	datetimeoffset	10	34	7	Report	
ModifiedById	bigint	8	19	0	Report	
ModifiedDate	datetimeoffset	10	34	7	Report	

Field Descriptions

Name	Description	Example
EstimateCostSourceId	Unique identifier assigned to each record in the table	1
EstimateCostSourceUF	System generated field, for internal use only	N/A
EstimateCostSourceUID	Unique identifier for the Cost Source. Not visible in the Interface	2FB8795D-12B7-428F-BC84-FDE202E77D47
Description	Cost Source Description field value. Found as an attribute on the Cost Item record and Register. There are 3 Pre-Defined Cost Sources	Plug Detail Quote
SaveID	Field for internal use only	0
BidMasterJobUID	Identifier of the Job record from the Jobs table in the BidMaster database. This	5376AA5E-8C85-43E8-9ACB-D7422000E832

	field is not unique in this table but is unique to an instance of a Job. Not visible in the interface.	
LastUpdateID	Field for internal use only	1
IsActive	Indicates if record is active. Please note: records will become inactive if a user un-syncs a job from Estimate application	1
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	2022-02-21 17:47:05.4923658 +00:00
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	2022-02-21 17:47:05.4923658 +00:00

Sample

```
{ "EstimateCostSourceId": 7710, "EstimateCostSourceUF": "b1f7958b-6e09-02ae-2631-ad461def904d", "EstimateCostSourceUID": "2fb8795d-12b7-428f-bc84-fde202e77d47", "Description": "Plug", "SaveID": 0, "BidMasterJobUID": "9e4fec6-7cbe-4021-9ab5-50a41f08ed0a", "LastUpdateID": 83, "IsActive": false, "CreatedById": 1, "CreatedDate": "2021-12-02T20:24:46.6722323Z", "ModifiedById": 1, "ModifiedDate": "2021-12-16T17:53:22.8820136Z" }
```



Data Validation

This data can be validated by navigating to CBS, Cost Source column for Cost Items

Figure 1: CBS> Cost Source View> Cost Source column (drop-down field)

Training Job - Estimate

File Setup Estimate Quote Price Execution System Integrations Actions More Actions

Print Open Cut Fill Down Toggle Suspended Cost Item Assembly
 Preview New Copy Split Indent Subordinate Cost Item Subordinate Assembly
 Export to Excel Delete Paste Split by Cost Type Outdent Dependent Cost Item

Expand / Collapse Filter Clear Filter CBS Tree Filter Mode: Filter CBS Tree Filter Expand CBS Tree

Cost Breakdown Structure (CBS) Register Cost Item Record

Drag columns here to group Saved views: Cost Source View

CBS Position Code	Description	Optional Code	Cost Source	Forecast (T/O) Quantity	Unit of Measure	Unit Cost	Total Cost (Forecast)	Currency
5	COMMERCIAL	1200	Detail	1.00	Each	\$25,264.55	\$25,264.55	U.S. Dollar
5.1	Toll Booth	1200 0100	Description	1.00	Each	\$25,264.55	\$25,264.55	U.S. Dollar
5.1.1	Site Preparation	0220	Detail	0	Lump Sum	\$3,664.55	\$3,664.55	U.S. Dollar
5.1.2	Concrete Reinforcement	03200	Plug	0	Lump Sum	\$1,500.00	\$1,500.00	U.S. Dollar
5.1.3	Cast in Place Concrete	03300	Quote	0	Lump Sum	\$3,500.00	\$3,500.00	U.S. Dollar
5.1.4	Concrete Masonry Units	04220	Plug	0	Lump Sum	\$2,900.00	\$2,900.00	U.S. Dollar
5.1.5	Paneling	06420	Plug	1.00	Lump Sum	\$2,100.00	\$2,100.00	U.S. Dollar
5.1.6	Wood Doors	08210	Plug	1.00	Lump Sum	\$1,000.00	\$1,000.00	U.S. Dollar
5.1.7	Wood Flooring	09640	Plug	1.00	Lump Sum	\$1,800.00	\$1,800.00	U.S. Dollar
5.1.8	Office Furniture	12510	Plug	1.00	Lump Sum	\$2,100.00	\$2,100.00	U.S. Dollar
5.1.9	Fire Protection Piping	15300	Plug	1.00	Lump Sum	\$3,300.00	\$3,300.00	U.S. Dollar
5.1.10	Interior Luminaires	16510	Plug	1.00	Lump Sum	\$3,400.00	\$3,400.00	U.S. Dollar
6	GUARDRAIL & SIGNING	1500	Detail	1.00	Each	\$43,200.00	\$43,200.00	U.S. Dollar
6.1	Guardrail Type 2	1500 0100	Quote	1,000.00	Linear Feet	\$24.00	\$24,000.00	U.S. Dollar
6.2	Guardrail Type 3A	1500 0200	Quote	200.00	Linear Feet	\$31.00	\$6,200.00	U.S. Dollar
6.3	Type 4 Signs	1600 0230	Quote	1,000.00	Square Feet	\$13.00	\$13,000.00	U.S. Dollar
7	Indirect Costs	UNASSIGNED	Detail	4.00	Month	\$43,824.07	\$175,296.28	U.S. Dollar
7.1	Setup Yard	UNASSIGNED	Detail	1.00	Lump Sum	\$4,000.00	\$4,000.00	U.S. Dollar
7.2	Trailer Rent	UNASSIGNED	Detail	4.00	Month	\$500.00	\$2,000.00	U.S. Dollar
7.3	Utilities	UNASSIGNED	Detail	4.00	Month	\$2,000.00	\$8,000.00	U.S. Dollar
7.4	Job Management & Equipment	UNASSIGNED	Detail	4.00	Month	\$39,274.07	\$157,096.28	U.S. Dollar
7.5	General Expense	UNASSIGNED	Detail	1.00	Lump Sum	\$4,200.00	\$4,200.00	U.S. Dollar
107							\$5,836,675.37	

Figure 2: Cost Source Field on Cost Item Record

Training Job - Estimate

File Setup Estimate Quote Price Execution System Integrations Actions

Split Default Data Blocks Display Parent Information Display Billing Rate Highlight Unique (Delta) Resource Fields Highlight Unique (Delta) Cost Item Fields Insert Subordinate Edit Resource Periods Break Cost Allocation Link Trench Calculator Shift / Rate Calculator

Cost Breakdown Structure (CBS) Register Cost Item Record

CBS Code:	Optional Code:	Description:	Forecast (T/O) Qty:	Unit of Measure:	Unit Cost:	Total Cost:	Currency:
7	UNASSIGNED	Indirect Costs	4.00	Month	\$43,824.07	\$175,296.28	U.S. Dollar
7.1	UNASSIGNED	Setup Yard	1.00	Lump Sum	\$4,000.00	\$4,000.00	U.S. Dollar

PI Assignment: PI Line Number: PI Description: Cost Segment: Pay Quantity: Cost Source: Alternate:

Job Overhead 1.00 Detail BASE

Cost Item Summary Detail: \$4,000.00 Plug: \$0.00 Quote: \$0.00 Allocation

Row Number	Code	Resource Assembly	Description	Quantity (Less Waste)	Waste % Add-on	Quantity	Unit of Measure	Productivity Factor
1			Setup yard	1.00	0.00	1.00	Each	

Employment Setup

Identification

Code: Type: Description: Setup yard

Quantity (Less Waste): 1.00

Quantity: 1.00

Cost Driver: CI Quantity

Employment Cost

Unit Cost: \$4,000.00 Total Cost: \$4,000.00

Maintenance Labor Cost

Unit Cost: Total Cost:

Pay Rules

OK Cancel < Prev Next >

As-Entered Currency As-Entered Units v21.10 ESTIMATE Training Job Accrued Costs OFF

