



## Explore API Documentation

# SelfService\_Control\_ActualCost

Version 1.1

Last Modified: 10/31/2023

Last Modified By: Litzy Mora

## 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	6/6/2022	Initial draft	Litzy Mora
1.1	12/22/2022	Updated pagination	Litzy Mora

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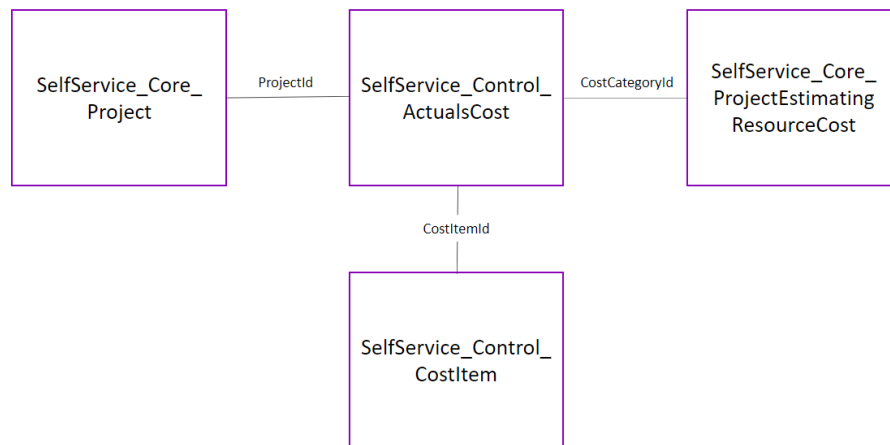
## Overview

This API exposes actual cost information.

## Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality <sup>1</sup>	Comment
SelfService_Control_ActualCost (AC)	SelfService_Core_Project (P)	AC.ProjectId = P.ProjectId	M:1	
SelfService_Control_ActualCost (AC)	SelfService_Core_Project EstimatingResourceCost (PERC)	AC.CostCategoryId= PERC.CostCategoryId	M:1	
SelfService_Control_ActualCost (AC)	SelfService_Control_CostItem(CI)	AC.CostItemId= CI.CostItemId	M:1	
SelfService_Control_ActualCost (AC)	SelfService_Calendar (C)	AC.PostedDate= C.CalendarDate	M:1	

Control\_ActualsCost



## API Detail

Direction	From Project Suite
Pagination	5,000 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

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

Average Payload Size		Depends on date range selected
APIM Name		SelfService_Control_ActualCost
Data Refresh/Delta/Incremental Loads		The data in this API will refresh every 15- 20 minutes
Project Suite	Starting Version	22.8
	Ending Version	N/A

## Supported Filters

All default OData filters are supported by this API.

## Fields

Name	Type	CharMaxLengt h	NumericPrecisio n	DatePrecisio n	Product	P K
ActualsCostId	bigint	8	19	0	Control	X
ActualsTypeld	bigint	8	19	0	Control	
ActualsTypeName	nvarchar	100	0	0	Control	
Cost	decimal	13	22	11	Control	
CostCategoryId	bigint	8	19	0	Control	
CostItemId	bigint	8	19	0	Control	
CreatedById	bigint	8	19	0	Control	
CreatedDate	datetime	8	23	3	Control	
DocumentDate	datetime	8	23	3	Control	
IncludedInActuals	bit	1	1	0	Control	
IncludedInSummary	bit	1	1	0	Control	
IsActive	bit	1	1	0	Control	
ModifiedById	bigint	8	19	0	Control	
ModifiedDate	datetime	8	23	3	Control	
Notes	nvarchar	8000	0	0	Control	
PostedDate	date	3	10	0	Control	
PostedFromDate	datetime	8	23	3	Control	
PostedToDate	datetime	8	23	3	Control	
ProjectId	bigint	8	19	0	Control	
Reversal	bit	1	1	0	Control	
SourceSystemId	nvarchar	100	0	0	Control	
SourceSystemName	nvarchar	200	0	0	Control	
TransactionId	nvarchar	100	0	0	Control	

## Field Descriptions

Name	Description	Example
ActualsCostId	The unique Identifier	129063
ActualsTypeld	The identifier associated to the	1



	actuals type	
ActualsTypeName	Type of actual as configured in project settings	Confirmed
Cost	Actual cost	100.000000000000
CostCategoryId	Detailed breakdown of cost	32
CostItemId	System generated Id for Cost item	135216
CreatedById	The user Id that created the record	1
CreatedDate	The date the record was created	2022-07-12 12:08:36.893
DocumentDate	Date that the cost item was documented	2022-05-21 00:00:00.000
IncludedInActuals	Indicates if record is included in actuals	1
IncludedInSummary	Indicates if record is included in summary	1
IsActive	When this field equals 0, then the cost item is no longer active and used in the project	0
ModifiedById	The user Id that modified the record	-2
ModifiedDate	The date that the record was modified	2022-10-10 04:22:31.630
Notes	Notes section for the Cost item	NULL
PostedDate	The date that the actuals were posted.	2022-05-21
PostedFromDate	The date posted from	2022-05-20 00:00:00.000
PostedToDate	The date posted to	2022-05-21 00:00:00.000
ProjectId	System generated Project id	23
Reversal	indicates if the actual was reversed out of the Control through the reverse actuals option of the actions menu	0
SourceSystemId	Unique identifier for the source system of the record	NULL
SourceSystemName	Name of the source system of the record	NULL
TransactionId	Unique identifier for the transaction	b2446acf-ffea-4b49-9c81-9b555c107bb0

## Sample

```
"ActualsCostId":2,"Cost":-
8523.920000000000,"ProjectId":1,"CostItemId":8,"PostedDate":"2016-06-
25","Notes":null,"CostCategoryId":32,"DocumentDate":"2016-06-
25T00:00:00Z","PostedFromDate":null,"PostedToDate":null,"IncludedInSummary":true,"A
```

```

actualsTypeId":1,"ActualsTypeName":"Confirmed","TransactionId":null,"Reversal":false
,"CreatedById":1,"CreatedDate":"2017-02-04T03:02:46.98Z",
"ModifiedById":1,"ModifiedDate":"2017-02-04T03:02:46.98Z",
"IsActive":true,"IncludedInActuals":true,"SourceSystemId":null,"SourceSystemName":null
    
```

## Data Validation

### Control > Workspaces > Actuals data block

Tasks	Task details	Resources	Forecast (FY) qty	UoM	Actuals 12/29/2017 to 05/25/2023	Actuals 12/29/2017 to 05/25/2023	Actuals 12/29/2017 to 05/25/2023	Actuals 12/29/2017 to 05/25/2023	Actuals 12/29/2017 to 05/25/2023	
CBS position	Description				Actual qty (to date)	Actual Mhrs/unit (to date)	CB Mhrs G/L (to date)	Actual cost (to date)	CB actual cost G/L (to date)	
1	FINANCIAL RESUL...		1.000	Each	0.958	3,348,747.349	-978,070.900	\$ 914,070,117.540	(\$ 111,919,536.602)	
1.1	DIRECTS		2,155,210	Each	2,050,014	1,178,549	-804,270.674	\$ 268,874,078.020	(\$ 70,672,302.870)	
1.1.1	ANCHOR BOLTS D...		1.000	Each	0.987	433,136.963	-62,493.103	\$ 31,166,484.500	(\$ 7,458,312.013)	
1.1.1.1	CIVIL		1.000	Each	0.977	112,304.979	-9,437.631	\$ 7,399,472.910	(\$ 1,258,438.750)	
1.1.1.1.1	GRADING		1.000	PLS	0.985	96,300.917	-5,301.260	\$ 6,378,449.070	(\$ 872,561.440)	
1.1.1.1.1.1	SITE CLEARING / ...		3.254	AcreTest	3.254	236.967	-17.200	\$ 50,995.700	(\$ 3,513.544)	
1.1.1.1.1.1.1	Topsoil/Stripping ...		7	CY	15,076.000	0.051	-17.200	\$ 50,995.700	(\$ 3,513.544)	
1.1.1.1.1.1.1.1	EXCAVATION AND...		1.000	PLS	1.000	19,513.750	1,059.140	\$ 1,363,403.710	\$ 48,574.016	
1.1.1.1.1.1.1.1.1	Excavator Exc. L...		9	CY	37,064.000	0.040	-436.581	\$ 103,374.200	(\$ 35,155.483)	
1.1.1.1.1.1.1.1.1.1	Haul - To Stockpile		2	CY	60,669.000	0.018	111.047	\$ 82,485.900	(\$ 18,405.361)	
1.1.1.1.1.1.1.1.1.1.1	Embankment Co...		9	CY	49,394.000	0.095	-223.255	\$ 308,577.280	(\$ 21,535.558)	
1.1.1.1.1.1.1.1.1.1.1.1	Stockpile / Waste ...		2	CY	215,941.939	0.023	1,460.561	\$ 342,488.580	\$ 126,951.553	
1.1.1.1.1.1.1.1.1.1.1.1.1	Load At Stockpile ...		5	CY	162,943.305	0.044	108.369	\$ 520,110.720	(\$ 5,155.954)	
1.1.1.1.1.1.1.1.1.1.1.1.1.1	Water Truck Supp...		2	Wk	3,160	37.658	39.000	\$ 6,367.030	\$ 1,874.786	
1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	SUBGRADE PREP ...		1.000	PLS	0.000	0.000	-3,160.932	\$ 331,507.340	(\$ 220,984.102)	
1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	Subgrade Prepara...		7	SY	65,210	5.513	-297.621	\$ 23,495.890	(\$ 19,475.642)	
1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	Subgrade Finish ...		7	SY	17,467.000	0.017	-118.000	\$ 21,442.570	(\$ 10,142.337)	
1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	Subgrade Finish ...		7	SY	55,699.000	0.037	-1,520.697	\$ 146,990.920	(\$ 111,036.608)	
Subtotals: 3198 (1 rows selected)								-1,049,732.150	\$ 931,639,881.030	(\$ 117,518,532.512)