Explore API Documentation

SelfService_Estimate_ResourceCostsCalculatedValues

Version 2.0

Last Modified: 10-Dec-2025

Last Modified By: Litzy Mora

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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	8-May-2023	Initial release	Aaron Cohen
2.0	10-Dec-2025	Updated data refresh	Litzy Mora

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Overview

The ***SelfService_Estimate_ResourceCostsCalculatedValues*** API provides supporting calculated 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.

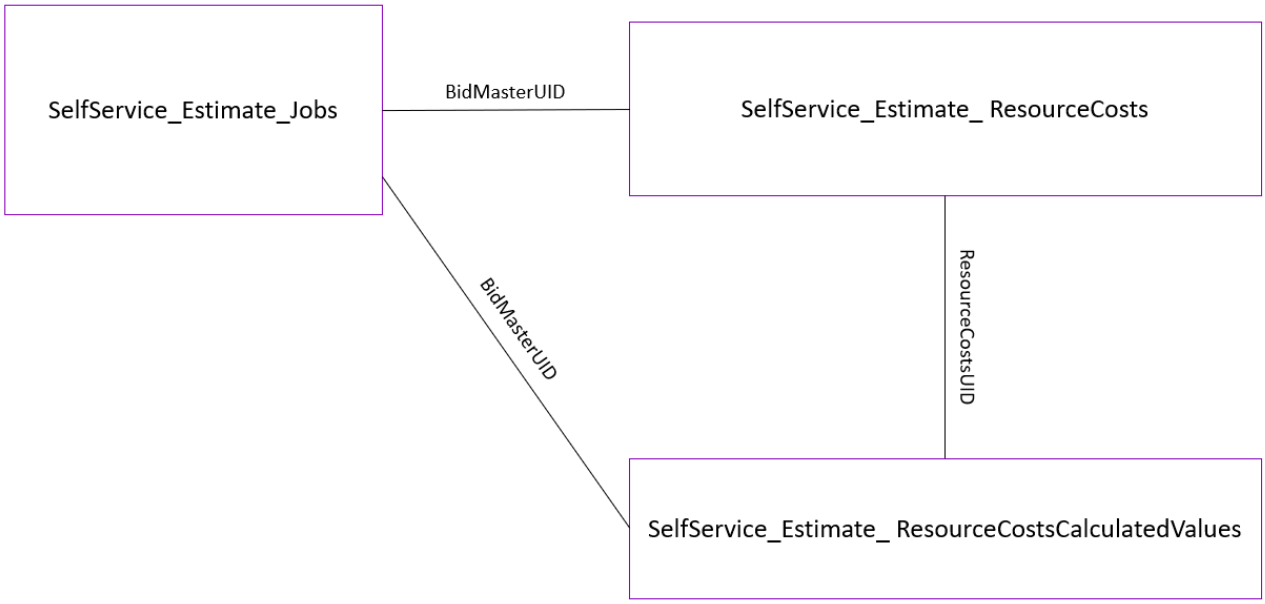
The SelfService_Estimate_ResourceCostsReferencedData contains the values of the foreign key lookup values stored in reference tables and can provide a convenient way to reference data as it appears in the application without needing to lookup the foreign key values from a lookup table.

Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality[1]	Comment
ResourceCostsCalculated Values (RCCV)	Jobs (J)	RCCV.BidMasterJobUID = J.BidMaster JobUID	M:1	
ResourceCostsCalculated Values (RCCV)	ResourceCosts (RC)	RCCV.UID = RC.UID	1:1	

[1] *1:M = One to Many, 1:1 = One to One, M:1 = Many to one*

SelfService_Estimate_ResourceCostsCalculatedValues



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_ResourceCostsCalculatedValues
Replicate View		[SelfService].[vwEstimateResourceCostsCalculatedValues]
Data Refresh/Delta/Incremental Loads		The refresh of the data in this API is sync-based. The time it takes data to appear in this API is dependent on the load on the server at the time. If it takes more than 15 minutes, please submit a ticket with the Service Desk.
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
EstimateResourceCostCalculatedValueId	bigint	8	19	0	Estimate	X
EstimateResourceCostCalculatedValueUF	uniqueidentifier	16	0	0	Estimate	
EstimateResourceCostCalculatedValueUID	uniqueidentifier	16	0	0	Estimate	
AccountCodeString	nvarchar	50	0	0	Estimate	
BillingRate	float	8	53	0	Estimate	
BillingRateMarkup	float	8	53	0	Estimate	
BillingRateMarkupPercent	float	8	53	0	Estimate	
ChargeRate	float	8	53	0	Estimate	
CostCurveString	nvarchar	50	0	0	Estimate	
CostDriverString	nvarchar	50	0	0	Estimate	
CurrencyString	nvarchar	50	0	0	Estimate	
EstimateCurrencyUID	uniqueidentifier	16	0	0	Estimate	
DataSource	nvarchar	200	0	0	Estimate	
DefaultQuantity	float	8	53	0	Estimate	
FuelAccountCodeString	nvarchar	50	0	0	Estimate	
FuelConsumption	float	8	53	0	Estimate	
FuelType	nvarchar	50	0	0	Estimate	
FuelTypeUnitOfMeasureName	nvarchar	110	0	0	Estimate	
GeographicAreaString	nvarchar	50	0	0	Estimate	
IsTaxStandard	bit	1	1	0	Estimate	
LastChanged	datetime	8	23	3	Estimate	
LastChangedBy	nvarchar	50	0	0	Estimate	
MinorityGoalAllowance	float	8	53	0	Estimate	
Notes	nvarchar	4000	0	0	Estimate	
OrganizationalCategoryString	nvarchar	50	0	0	Estimate	
ProductivityFactor	float	8	53	0	Estimate	

QuotedCompanyName	nvarchar	550	0	0	Estimate	
QuoteGroupString	nvarchar	50	0	0	Estimate	
ResourceDescription	nvarchar	1000	0	0	Estimate	
ResourceFileString	nvarchar	50	0	0	Estimate	
ResourceTypeString	nvarchar	60	0	0	Estimate	
SalesTaxRate	float	8	53	0	Estimate	
Tag1String	nvarchar	260	0	0	Estimate	
Tag2String	nvarchar	260	0	0	Estimate	
Tag3String	nvarchar	260	0	0	Estimate	
UnitOfMeasureString	nvarchar	50	0	0	Estimate	
UserField1	nvarchar	50	0	0	Estimate	
UserField10	nvarchar	50	0	0	Estimate	
UserField2	nvarchar	50	0	0	Estimate	
UserField3	nvarchar	50	0	0	Estimate	
UserField4	nvarchar	50	0	0	Estimate	
UserField5	nvarchar	50	0	0	Estimate	
UserField6	nvarchar	50	0	0	Estimate	
UserField7	nvarchar	50	0	0	Estimate	
UserField8	nvarchar	50	0	0	Estimate	
UserField9	nvarchar	50	0	0	Estimate	
UtilizationCount	float	8	53	0	Estimate	
UtilizedDays	float	8	53	0	Estimate	
UtilizedMonths	float	8	53	0	Estimate	
UtilizedWeeks	float	8	53	0	Estimate	
UtilizedYears	float	8	53	0	Estimate	
WageZoneString	nvarchar	50	0	0	Estimate	
WastePercent	float	8	53	0	Estimate	

BidMasterJobUID	uniqueidentifier	16	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
EstimateResourceCostCalculatedValueId	Unique identifier assigned to each record in the table	2386947
EstimateResourceCostCalculatedValueUF	System generated field, for internal use only	56655473-6b80-09ea-0aaa-0a9d018b9e11
EstimateResourceCostCalculatedValueUID	Unique identifier for the Resource Cost record. Not visible in the Interface	88a623f4-cfd9-4fd1-afcd-d71df17c9ba2
AccountCodeString	Resource Rate records *Account Code* assignment from the Accounts table. Found on the Setup tab of the Resource Rate record	null
BillingRate	Value of the *Billing Rate* field found on the Billing Rate tab of the Resource Rate record	42.87
BillingRateMarkup	Value of the *Billing Rate Markup* amount field found on the Billing Rate tab of the Resource Rate record	12.25
BillingRateMarkupPercent	Value of the *Billing Rate Markup %* field found on the Billing Rate tab of the Resource Rate record	40.0
ChargeRate	Value of the *Billing Base Rate* amount found on the Billing Rate tab of the Resource Rate record. This value is equal to the Total amount on the Charge Rate tab and is not directly editable by the user.	30.62
CostCurveString	Resource Rate records default *Cost Curve* from the CostCurves table. Found on the Setup tab of the Resource Rate record	Employed Cost Item

CostDriverString	Resource Rate records default *Cost Driver* from the CostDrivers table. Found on the Setup tab of the Resource Rate record	CI Duration
CurrencyString	Resource Rate records assigned default *Currency* value from the Currencies table. Found on the Setup tab of the Resource Rate record	U.S. Dollar
EstimateCurrencyUID	Identifier of the Resource Rate records assigned default *Currency* value from the Currencies table. Found on the Setup tab of the Resource Rate record	58687bb8-8107-4b88-ae04-f236c3050e58
DataSource	Field indicating the Resource Rate records source of origin. This field is a column in the Resource Rate Register and is populated by the application and cannot be edited by the users	null
DefaultQuantity	Quantity value applied to the Quantity field when a new Resource Employment is created on a Cost Item. Found on the Setup tab of the Resource Rate record	1.0
FuelAccountCodeString	*Account Code* assignment from the Accounts table for the chosen Resources Fuel Type	null
FuelConsumption	Consumption rate (aka burn rate) value used to calculate the hourly fuel cost of Equipment type Resource Rate records when a Fuel Type is utilized. Found on the Setup tab of the Resource Rate record.	0.0
FuelType	Resource Rate records assigned *Fuel Type* from the Fuels table. A null value indicates no Fuel Type is chosen and the OE Fuel cost is not calculated but can be manually entered. Found on the Charge Rate tab of Equipment type Resource Rate records.	null
FuelTypeUnitOfMeasureName	Unit of Measure per hour display value for the Resources selected Fuel Type	null
GeographicAreaString	Resource Rate records assigned *Geographic Area* from the GeographicAreas table. Found on the Setup tab of the Resource Rate record	Southwest
IsTaxStandard	Flag used to determine if the Jobs Standard Tax rate is used or if the Tax Rate is specified on	false

	the Resource Rate record. Found on the Charge Rate tab of the Resource Rate record for all Resource Types except Labor and Construction Equipment	
LastChanged	Date and time the Resource Rate Record was last updated. Found as a column in the Resource Rate Register and in the *Last Changed On* field on the Setup tab of the Resource Rate Record	2016-11-02T18:19:52.713Z
LastChangedBy	Name of the user who last updated the Resource Rate Record. Found as a column in the Resource Rate Register and in the *Last Changed By* field on the Setup tab of the Resource Rate Record	Tom.Cross
MinorityGoalAllowance	Minority participation percentage value applied to the *Minority Percent* field when a new Resource Employment is created on a Cost Item. Found on the Setup tab of the Resource Rate record for non-duration based resources.	0.0
Notes	Value of the *Notes* text type data field on the Setup tab of the Resource Rate record and appearing on the notes-type control in the Notes column of the Resource Rate Register.	null
OrganizationalCategoryString	Resource Rate records assigned *Organizational Category* from the OrganizationalCategories table. Found on the Setup tab of the Resource Rate record	Truck Driver - Teamster
ProductivityFactor	Productivity Factor value applied to the *Productivity Factor* field when a new Resource Employment is created on a Cost Item. Found on the Setup tab of the Resource Rate record for duration based resources	1.0
QuotedCompanyName	Value of the *Company* field on the Quote tab of a Resource Rate record whose cost is derived from an awarded quote	null
QuoteGroupString	Resource Rate records assigned *Quote Group Tag* value from the QuoteGroupTags table. Found on the Setup tab of the Resource Rate record for non-duration based resources.	null

ResourceDescription	Resource Rate records *Description*. Found on the Resource Rate Register and the Resource Rate record	Teamster
ResourceFileString	Resource Rate records assigned *Resource File* from the ResourceFiles table. Found on the Setup tab of the Resource Rate record	Standard Labor Rate File
ResourceTypeString	*Resource Type* of Resource Rate record. Values are listed in the ResourceTypes table in the BidMaster database	Labor Rate
SalesTaxRate	Tax Rate value used to calculate sales tax of resource	0.0
Tag1String	Tag value entry in the UserTags table. Found in the *Tag 1* dropdown field on the Setup tab of the Resource Rate record	Non Union
Tag2String	Tag value entry in the UserTags table. Found in the *Tag 2* dropdown field on the Setup tab of the Resource Rate record	Hourly
Tag3String	Tag value entry in the UserTags table. Found in the *Tag 3* dropdown field on the Setup tab of the Resource Rate record	null
UnitOfMeasureString	Resource Rates *Unit of Measure* entry in the UnitsOfMeasure table. Found in the Resource Rate Register and at the top of the Resource Rate record for non-duration based resources	Hour
UserField1	Value of the *User Defined 1* text type data field on the Setup tab of the Resource Rate record	null
UserField2	Value of the *User Defined 2* text type data field on the Setup tab of the Resource Rate record	null
UserField3	Value of the *User Defined 3* text type data field on the Setup tab of the Resource Rate record	null
UserField4	Value of the *User Defined 4* text type data field on the Setup tab of the Resource Rate record	null
UserField5	Value of the *User Defined 5* text type data field on the Setup tab of the Resource Rate record	null
UserField6	Value of the *User Defined 6* text type data field on the Setup tab of the Resource Rate record	null
UserField7	Value of the *User Defined 7* text type data field on the Setup tab of the Resource Rate record	null

UserField8	Value of the *User Defined 8* text type data field on the Setup tab of the Resource Rate record	null
UserField9	Value of the *User Defined 9* text type data field on the Setup tab of the Resource Rate record	null
UserField10	Value of the *User Defined 10* text type data field on the Setup tab of the Resource Rate record	null
UtilizationCount	Value indicating the total sum quantity of all corresponding resource employments in the job. Found in the *Utilization Count* column of the Resource Rate Register	88570.10
UtilizedDays	For Equipment Resources utilizing Non-Hourly Period Charge Rates, indicates the Resource Utilization Value in days when the Period is set to Daily. Found in the *Utilized Days* column of the Resource Rate Register	0.0
UtilizedMonths	For Equipment Resources utilizing Non-Hourly Period Charge Rates, indicates the Resource Utilization Value in Months when the Period is set to Monthly. Found in the *Utilized Months* column of the Resource Rate Register	0.0
UtilizedWeeks	For Equipment Resources utilizing Non-Hourly Period Charge Rates, indicates the Resource Utilization Value in Weeks when the Period is set to Weekly. Found in the *Utilized Weeks* column of the Resource Rate Register	0.0
UtilizedYears	For Equipment Resources utilizing Non-Hourly Period Charge Rates, indicates the Resource Utilization Value in Years when the Period is set to Yearly. Found in the *Utilized Years* column of the Resource Rate Register	0.0
WageZoneString	Resource Rate records assigned *Wage Zone* from the WageZones table. Found on the Setup tab of the Resource Rate record	Wage Zone A
WastePercent	Waste percentage applied as a default value to the *Waste Percent Add-On* field of a newly created Resource Employment	0.0

	on a Cost Item. Must be a value. Found on the Setup tab of the Resource Rate record for non-duration based resources	
BidMasterJobUID	Identifier of the Job record from the Jobs table in the BidMaster database. This field is not unique in this table but is unique to an instance of a Job. Not visible in the interface.	dec37787-a459-463b-a567-dd80f0f705b3
LastUpdateID	Field for internal use only	628
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	2023-05-08T21:57:38.7972165Z
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	2023-05-08T21:57:38.7972165Z

Sample

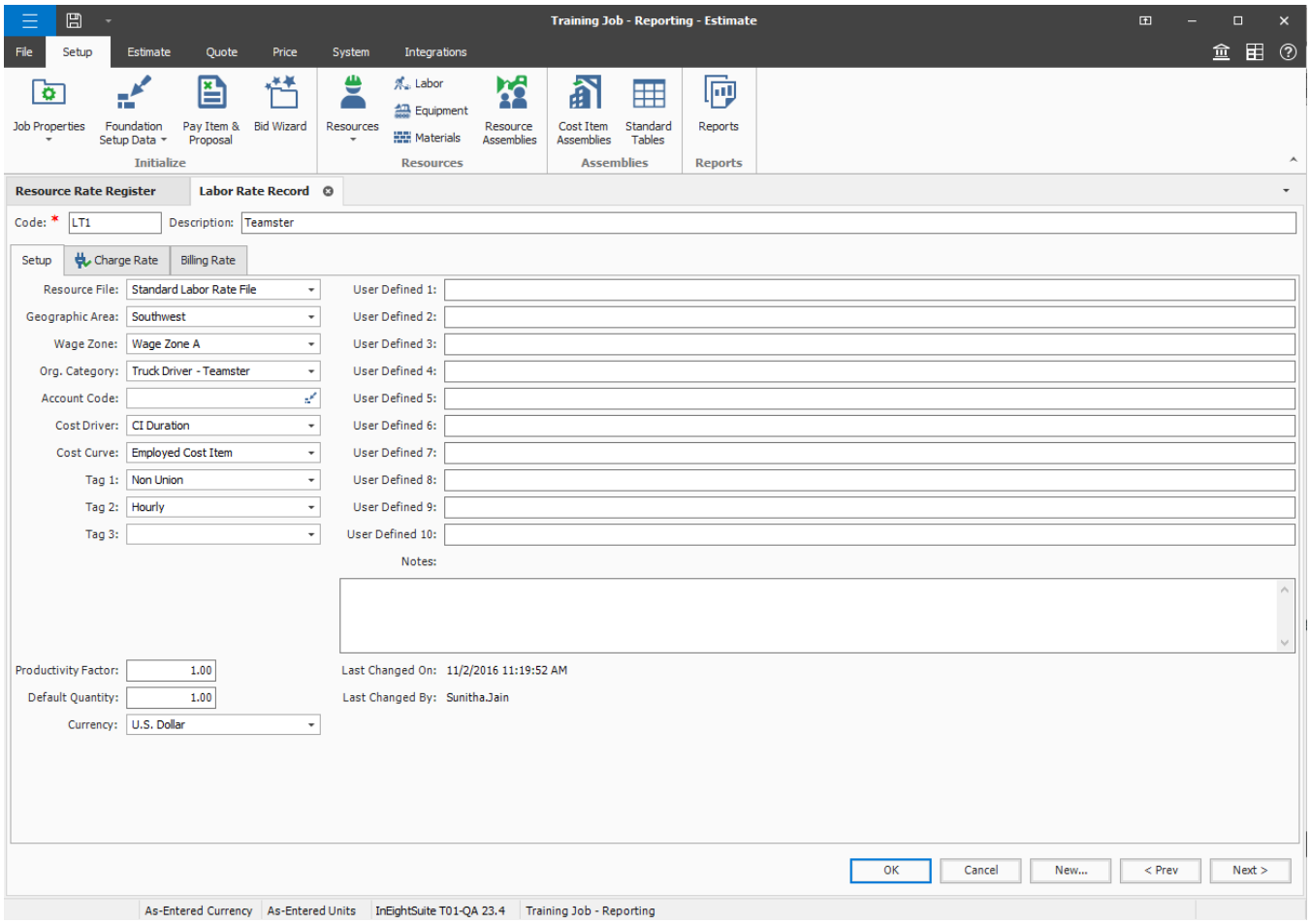

```
{
    "ResourceCostsCalculatedValuesId": 2386947,
    "ResourceCostsCalculatedValuesUF": "56655473-6b80-09ea-0aaa-0a9d018b9e11",
    "EstimateResourceCostsCalculatedValuesUID": "88a623f4-cfd9-4fd1-afcd-
d71df17c9ba2",
    "AccountCodeString": null,
    "BillingRate": 42.866459999999996,
    "BillingRateMarkup": 12.247560000000002,
    "BillingRateMarkupPercent": 40.0,
    "ChargeRate": 30.618900000000004,
    "CostCurveString": "Employed Cost Item",
    "CostDriverString": "CI Duration",
    "CurrencyString": "U.S. Dollar",
    "EstimateCurrencyUID": "58687bb8-8107-4b88-ae04-f236c3050e58",
    "DataSource": null,
    "DefaultQuantity": 1.0,
    "FuelAccountCodeString": null,
    "FuelConsumption": 0.0,
    "FuelType": null,
    "FuelTypeUnitOfMeasureName": null,
    "GeographicAreaString": "Southwest",
    "IsTaxStandard": false,
```

```
    "LastChanged": "2016-11-02T18:19:52.713Z",
    "LastChangedBy": "Tom.Cross",
    "MinorityGoalAllowance": 0.0,
    "Notes": null,
    "OrganizationalCategoryString": "Truck Driver - Teamster",
    "ProductivityFactor": 1.0,
    "QuotedCompanyName": null,
    "QuoteGroupString": null,
    "ResourceDescription": "Teamster",
    "ResourceFileString": "Standard Labor Rate File",
    "ResourceTypeString": "Labor Rate",
    "SalesTaxRate": 0.0,
    "Tag1String": "Non Union",
    "Tag2String": "Hourly",
    "Tag3String": null,
    "UnitOfMeasureString": "Hour",
    "UserField1": null,
    "UserField2": null,
    "UserField3": null,
    "UserField4": null,
    "UserField5": null,
    "UserField6": null,
    "UserField7": null,
    "UserField8": null,
    "UserField9": null,
    "UserField10": null,
    "UtilizationCount": 88570.101333333325,
    "UtilizedDays": 0.0,
    "UtilizedMonths": 0.0,
    "UtilizedWeeks": 0.0,
    "UtilizedYears": 0.0,
    "WageZoneString": "Wage Zone A",
    "WastePercent": 0.0,
    "BidMasterJobUID": "dec37787-a459-463b-a567-dd80f0f705b3",
    "LastUpdateID": 628,
    "IsActive": true,
    "CreatedById": 1,
    "CreatedDate": "2023-05-08T21:57:38.7972165Z",
    "ModifiedById": 1,
    "ModifiedDate": "2023-05-08T21:57:38.7972165Z"
}
```


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


Training Job - Reporting - Estimate
File
Setup
Estimate
Quote
Price
System
Integrations
Job Properties
Foundation Setup Data
Pay Item & Proposal
Bid Wizard
Initialize
Resources
Labor
Equipment
Materials
Resource Assemblies
Resources
Cost Item Assemblies
Standard Tables
Assemblies
Reports
Reports
Resource Rate Register
Labor Rate Record
Code: * LT1
Description: Teamster
Setup
Charge Rate
Billing Rate
Resource File: Standard Labor Rate File
Geographic Area: Southwest
Wage Zone: Wage Zone A
Org. Category: Truck Driver - Teamster
Account Code:
Cost Driver: CI Duration
Cost Curve: Employed Cost Item
Tag 1: Non Union
Tag 2: Hourly
Tag 3:
User Defined 1:
User Defined 2:
User Defined 3:
User Defined 4:
User Defined 5:
User Defined 6:
User Defined 7:
User Defined 8:
User Defined 9:
User Defined 10:
Notes:
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
OK
Cancel
New...
< Prev
Next >
As-Entered Currency
As-Entered Units
InEightSuite T01-QA 23.4
Training Job - Reporting