Explore API Documentation

SelfService_Estimate_Resource

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	3/30/2022	Initial draft	Natalie Takacs

Contents

Overview

The **SelfService_Estimate_Resources** API is one of multiple APIs comprising the data contained in the Estimate Resource entity.

The Estimate Resource entity mainly includes three tables, *SelfService_Estimate_Resources*, *SelfService_Estimate_ ResourcesCalculatedValues* and *SelfService_Estimate_ ResourcesReferencedData*.

The *SelfService_Estimate_Resources* table contains Resource Rate records as created and managed within the Estimate application.

The *SelfService_Estimate_ResourcesCalculatedValues* table contains Resource Rate 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_ResourcesReferencedData* contains the values of the many 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.

Monetary values stored in the database are stored in their base currency and corresponding values displayed in the application have been modified based on the conversion factor of the items assigned currency.

Quantity values stored in the database are stored in their base measurement units and corresponding values displayed in the application are potentially modified based on the conversation factor of the items unit of measure
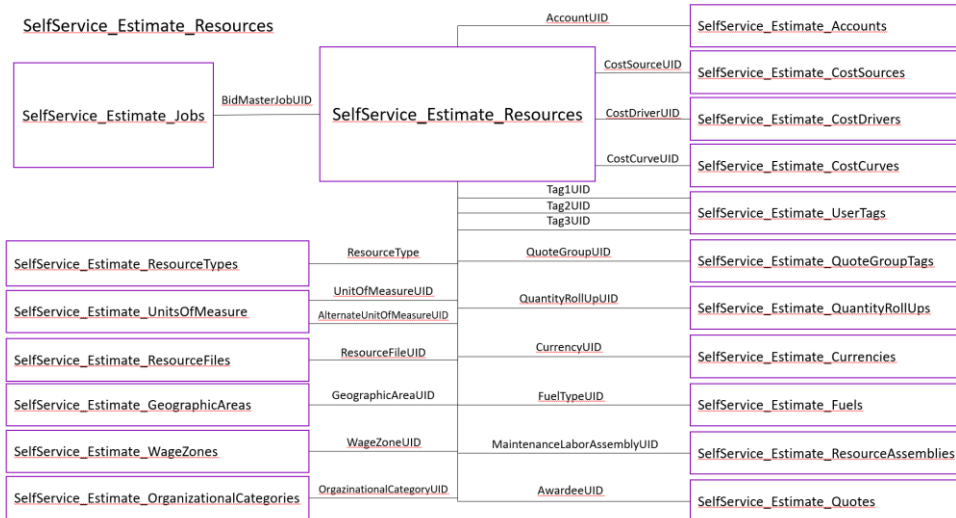
Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality[1]	Comment
Resources (R)	Jobs (J)	R.BidMasterJobUID = J.BidMasterJobUID	M:1	
Resources (R)	ResourceTypes (RT)	R.ResouRerceType = RT.Type	M:1	
Resources (R)	UnitsOfMeasure (UM)	R.UnitOfMeasureUID = UM.UID	M:1	
Resources (R)	ResourceFiles (RF)	R.ResourceFileUID = RF.UID	M:1	
Resources (R)	GeographicAreas (GA)	R.GeographicAreaUID = GA.UID	M:1	
Resources (R)	WageZones (WZ)	R.WageZoneUID = WZ.UID	M:1	
Resources (R)	OrganizationalCategories (OC)	R.OrgazinationalCategoryUID = OC.UID	M:1	
Resources (R)	Accounts (A)	R.AccountUID = A.UID	M:1	
Resources (R)	CostSources (CS)	R.CostSourceUID = CS.UID	M:1	
Resources (R)	CostDrivers (CD)	R.CostDriverUID = CD.UID	M:1	

Commented [AC1]: Note this table is in BidMaster and HDLibrary, it is not in the HDWarehouse

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

Resources (R)	CostCurves (CC)	R.CostCurveUID = CC.UID	M:1	
Resources (R)	UserTags (UT1)	R.Tag1UID = UT1.UID	M:1	
Resources (R)	UserTags (UT2)	R.Tag2UID = UT2.UID	M:1	
Resources (R)	UserTags (UT3)	R.Tag3UID = UT3.UID	M:1	
Resources (R)	QuoteGroupTags (QT)	R.QuoteGroupUID = QT.UID	M:1	
Resources (R)	QuantityRollUps (QR)	R.QuantityRollUpUID = QR.UID	M:1	
Resources (R)	Currencies (C)	R.CurrencyUID = C.UID	M:1	
Resources (R)	Fuels (F)	R.FuelTypeUID = F.UID	M:1	
Resources (R)	ResourceAssemblies (RA)	R.MaintenanceLaborAssemblyUID = RA.UID	M:1	
Resources (R)	UnitsOfMeasure (AUM)	R.AlternateUnitOfMeasureUID = AUM.UID	M:1	
Resources (R)	Quotes (Q)	R.AwardeeUID = Q.UID	M:1	

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

Supported Filters

All default OData filters are supported by this API.

Fields

Name	Type	CharMaxLength	NumericPrecision	DatePrecision	Product	PK
EstimateResourceId	bigint	8	19	0	Estimate	X
EstimateResourceUF	uniqueidentifier	16	0	0	Estimate	
EstimateResourceUID	uniqueidentifier	16	0	0	Estimate	
EstimateAccountCodeUID	uniqueidentifier	16	0	0	Estimate	
AlternateUnitOfMeasureUID	uniqueidentifier	16	0	0	Estimate	
AmountPerDay	float	8	53	0	Estimate	
AmountPerMonth	float	8	53	0	Estimate	
AmountPerWeek	float	8	53	0	Estimate	
AmountPerYear	float	8	53	0	Estimate	
AutoCalcMaintenanceLaborManHours	bit	1	1	0	Estimate	
AwardeeDBEType	int	4	10	0	Estimate	
AwardeeRate	float	8	53	0	Estimate	
AwardeeTaxRate	float	8	53	0	Estimate	

EstimateAwardeeUID	uniqueidentifier	16	0	0	Estimate
AwardProportionately	bit	1	1	0	Estimate
AwardToUndefined	bit	1	1	0	Estimate
AwardToUndefinedSubcontract	bit	1	1	0	Estimate
BillingInfoDriver1	int	4	10	0	Estimate
BillingInfoDriver2	int	4	10	0	Estimate
BillingInfoDriver3	int	4	10	0	Estimate
BillingRate1	float	8	53	0	Estimate
BillingRate2	float	8	53	0	Estimate
BillingRate3	float	8	53	0	Estimate
BillingRateMarkup1	float	8	53	0	Estimate
BillingRateMarkup2	float	8	53	0	Estimate
BillingRateMarkup3	float	8	53	0	Estimate
BillingRateMarkupPercent1	float	8	53	0	Estimate
BillingRateMarkupPercent2	float	8	53	0	Estimate
BillingRateMarkupPercent3	float	8	53	0	Estimate
ChargeRate1	float	8	53	0	Estimate
ChargeRate2	float	8	53	0	Estimate
ChargeRate3	float	8	53	0	Estimate
ChildInfo	nvarchar	100	0	0	Estimate
Code	nvarchar	60	0	0	Estimate
EstimateCostCurveUID	uniqueidentifier	16	0	0	Estimate
EstimateCostDriverUID	uniqueidentifier	16	0	0	Estimate
EstimateCostSourceUID	uniqueidentifier	16	0	0	Estimate
EstimateCurrencyUID	uniqueidentifier	16	0	0	Estimate
DataSource	nvarchar	400	0	0	Estimate
DefaultQuantity	float	8	53	0	Estimate

Description	nvarchar	2000	0	0	Estimate
EquipmentHoursPerUnit	float	8	53	0	Estimate
FuelConsumption	float	8	53	0	Estimate
FuelCostUID	uniqueidentifier	16	0	0	Estimate
EstimateGeographicAreaUID	uniqueidentifier	16	0	0	Estimate
HoursPerDay	float	8	53	0	Estimate
HoursPerMonth	float	8	53	0	Estimate
HoursPerWeek	float	8	53	0	Estimate
HoursPerYear	float	8	53	0	Estimate
IsBillable	bit	1	1	0	Estimate
IsLocked	bit	1	1	0	Estimate
IsNonHourlyPeriodEnabled	bit	1	1	0	Estimate
IsSuspended	bit	1	1	0	Estimate
IsUsingWageScaleFactors	bit	1	1	0	Estimate
LastChanged	datetime	8	23	3	Estimate
LastChangedBy	nvarchar	100	0	0	Estimate
EstimateMaintenanceLaborAssemblyUID	uniqueidentifier	16	0	0	Estimate
MaintenanceManHourFactor	float	8	53	0	Estimate
MaintenanceManHours	float	8	53	0	Estimate
ManHoursPerUnit	float	8	53	0	Estimate
MinorityGoalAllowance	float	8	53	0	Estimate
Notes	nvarchar	8000	0	0	Estimate
OperatorUID	uniqueidentifier	16	0	0	Estimate
EstimateOrganizationalCategoryUID	uniqueidentifier	16	0	0	Estimate
OriginalCurrencyUID	uniqueidentifier	16	0	0	Estimate
ParentUID	uniqueidentifier	16	0	0	Estimate
PeriodTypeId	int	4	10	0	Estimate

PlugTaxRate	float	8	53	0	Estima te
ProductivityFactor	float	8	53	0	Estima te
EstimateQuantityRollUpUID	uniqueident ifier	16	0	0	Estima te
QuotedBond	float	8	53	0	Estima te
QuotedBusinessPhoneNumber	nvarchar	50	0	0	Estima te
QuotedCompanyName	nvarchar	400	0	0	Estima te
QuotedConditions	float	8	53	0	Estima te
QuotedContactName	nvarchar	160	0	0	Estima te
QuotedPrice	float	8	53	0	Estima te
QuotedQuantity	float	8	53	0	Estima te
QuotedTaxes	float	8	53	0	Estima te
QuotedTotal	float	8	53	0	Estima te
EstimateQuoteGroupUID	uniqueident ifier	16	0	0	Estima te
EstimateResourceFileUID	uniqueident ifier	16	0	0	Estima te
ResourceType	int	4	10	0	Estima te
SaveID	int	4	10	0	Estima te
Tag1UID	uniqueident ifier	16	0	0	Estima te
Tag2UID	uniqueident ifier	16	0	0	Estima te
Tag3UID	uniqueident ifier	16	0	0	Estima te
UnitCost	float	8	53	0	Estima te
EstimateUnitOfMeasureUID	uniqueident ifier	16	0	0	Estima te
UseDefaultMaintenanceLaborA ssembly	bit	1	1	0	Estima te
UserField1	nvarchar	100	0	0	Estima te
UserField2	nvarchar	100	0	0	Estima te
UserField3	nvarchar	100	0	0	Estima te
UserField4	nvarchar	100	0	0	Estima te
UserField5	nvarchar	100	0	0	Estima te

UserField6	nvarchar	100	0	0	Estimate	
UserField7	nvarchar	100	0	0	Estimate	
UserField8	nvarchar	100	0	0	Estimate	
UserField9	nvarchar	100	0	0	Estimate	
UserField10	nvarchar	100	0	0	Estimate	
UseUniqueMaintenanceLaborAssembly	bit	1	1	0	Estimate	
UtilizationCount	float	8	53	0	Estimate	
UtilizationCountFromDependents	float	8	53	0	Estimate	
WageScale2Factor	float	8	53	0	Estimate	
WageScale3Factor	float	8	53	0	Estimate	
EstimateWageZoneUID	uniqueidentifier	16	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	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
EstimateResourceId	Unique identifier assigned to each record in the table	1
EstimateResourceUF	System generated field, for internal use only	N/A
EstimateResourceUID	Unique identifier for a Resource Rate record. Not visible in the interface.	373E63D4-FEE4-498F-85FE-6C4FD409ADBA
EstimateAccountCodeUID	Identifier of the Resource Rate records *Account Code* assignment from the Accounts table. Found on the Setup tab of the Resource Rate record.	3AA5A686-0C01-4DC4-97CA-7036D3591270
AlternateUnitOfMeasureUID	Identifier of the Resource Rates Base Unit of Measure entry in the UnitsOfMeasure table. Each Unit of	312AC3B7-373B-4369-B56C-AFC6D412BDAE

	Measure is related to the systems base Unit of Measure in order to convert between quantities having the same measurement type (Length, Area, Volume, etc.). For a Resources selected Unit of Measure, the Alternate Unit of Measure is its corresponding Base Unit of Measure. This value is not visible in the application.	
AmountPerDay	Value of the *Amount per Period* field when Non-Hourly Period Charge Rates are used and the Period Type selection is *Daily*. Must be a value. Found on the Charge Rate tab of Equipment Resource Rate records.	200
AmountPerMonth	Value of the *Amount per Period* field when Non-Hourly Period Charge Rates are used and the Period Type selection is *Monthly*. Must be a value. Found on the Charge Rate tab of Equipment Resource Rate records.	2500
AmountPerWeek	Value of the *Amount per Period* field when Non-Hourly Period Charge Rates are used and the Period Type selection is *Weekly*. Must be a value. Found on the Charge Rate tab of Equipment Resource Rate records.	350
AmountPerYear	Value of the *Amount per Period* field when Non-Hourly Period Charge Rates are used and the Period Type selection is *Yearly*. Must be a value. Found on the Charge Rate tab of Equipment Resource Rate records.	10000
AutoCalcMaintenanceLaborManHours	Indicates the state of the *Automatically calculate Maintenance Labor Man-Hours for this resource* checkbox field found on the Charge Rate tab of an Equipment Resource Rate record. The value of this field will be true (1) when the checkbox is checked	1 – True 0 – False
AwardeeDBEType	Value indicates the minority classification of a resource awarded to a Quote that contributes to a minority participation goal.	0 – None 1 – MBE 2 – WBE 4 – DBE 8 – OBE1 16 – OBE2 32 – OBE3 64 – OBE4 128 – OBE5 256 – OBE6 512 – OBE7
AwardeeRate	Field for Internal use only	0
AwardeeTaxRate	Field for Internal use only	0
EstimateAwardeeUID	Identifier of the Resource Rate records awarded quote from the Quotes table.	F97C99F8-2F3B-4813-A749-11860EC75857

	Not visible on the Resource Rate record.	
AwardProportionately	Indicates the selected state of the Awarded Cost Category group found on the Quote tab of a Resource Rate awarded to a quote. The value of this field will be true (1) when the radio option for *Proportionally based on the same cost categories used to define the resource's charge rate* is selected	1 – True 0 – False
AwardToUndefined	Indicates the selected state of the Awarded Cost Category group found on the Quote tab of a Resource Rate awarded to a quote. The value of this field will be true (1) when the radio option for *Entirely in the "Undefined" category* is selected	1 – True 0 – False
AwardToUndefinedSubcontract	Indicates the selected state of the Awarded Cost Category group found on the Quote tab of a Resource Rate awarded to a quote. The value of this field will be true (1) when the radio option for *Entirely in the "Undefined Subcontract" category* is selected	1 – True 0 – False
BillingInfoDriver1	Value indicates the billing rate driver for Scale 1 billing rates, which is the field the user entered data into as opposed to the other billing rate fields which get calculated. An icon indicating the driver is located next to the corresponding field on the Billing Rate tab of a Resource Rate record.	1 – Billing Rate 2 – Billing Rate Markup 3 – Billing Rate Markup %
BillingInfoDriver2	Value indicates the billing rate driver for Scale 2 billing rates, which is the field the user entered data into as opposed to the other billing rate fields which get calculated. Only available on labor resources. An icon indicating the driver is located next to the corresponding field on the Billing Rate tab of a Resource Rate record.	1 – Billing Rate 2 – Billing Rate Markup 3 – Billing Rate Markup %
BillingInfoDriver3	Value indicates the billing rate driver for Scale 3 billing rates, which is the field the user entered data into as opposed to the other billing rate fields which get calculated. Only available on labor resources. An icon indicating the driver is located next to the corresponding field on the Billing Rate tab of a Resource Rate record.	1 – Billing Rate 2 – Billing Rate Markup 3 – Billing Rate Markup %
BillingRate1	Value of the Scale 1 *Billing Rate* field found on the Billing Rate tab of the Resource Rate record. Must be a value.	38.47

BillingRate2	Value of the Scale 2 *Billing Rate* field found on the Billing Rate tab of the Resource Rate record. Must be a value. Only available on labor resources.	57.70
BillingRate3	Value of the Scale 3 *Billing Rate* field found on the Billing Rate tab of the Resource Rate record. Must be a value. Only available on labor resources.	76.94
BillingRateMarkup1	Value of the Scale 1 *Billing Rate Markup* amount field found on the Billing Rate tab of the Resource Rate record. Must be a value.	10.99
BillingRateMarkup2	Value of the Scale 2 *Billing Rate Markup* amount field found on the Billing Rate tab of the Resource Rate record. Must be a value. Only available on labor resources.	16.49
BillingRateMarkup3	Value of the Scale 3 *Billing Rate Markup* amount field found on the Billing Rate tab of the Resource Rate record. Must be a value. Only available on labor resources.	21.98
BillingRateMarkupPercent1	Value of the Scale 1 *Billing Rate Markup %* field found on the Billing Rate tab of the Resource Rate record. Must be a value.	40
BillingRateMarkupPercent2	Value of the Scale 2 *Billing Rate Markup %* field found on the Billing Rate tab of the Resource Rate record. Must be a value. Only available on labor resources.	40
BillingRateMarkupPercent3	Value of the Scale 3 *Billing Rate Markup %* field found on the Billing Rate tab of the Resource Rate record. Must be a value. Only available on labor resources.	40
ChargeRate1	Value of the Scale 1 *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.	27.48
ChargeRate2	Value of the Scale 2 *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. Only available on labor resources.	41.22
ChargeRate3	Value of the Scale 3 *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	54.96

	editable by the user. Only available on labor resources.	
ChildInfo	Field for Internal use only	NULL
Code	Value of the *Code* field on a Resource Rate record. This value must be unique within a job but can be duplicated within the HD Library.	LC1
EstimateCostCurveUID	Identifier of the Resource Rate records default *Cost Curve* from the CostCurves table. Found on the Setup tab of the Resource Rate record	EE8CE70D-9117-4AAA-BAEF-D5E6FA75B572
EstimateCostDriverUID	Identifier of the Resource Rate records default *Cost Driver* from the CostDrivers table. Found on the Setup tab of the Resource Rate record	4A71204F-DA06-4E1A-86F5-FA2518E69316
EstimateCostSourceUID	Identifier of the Resource Rate records Cost Source from the CostSources table. This value will point to the record corresponding to a description of "Plug" unless the Resource has been awarded to a Quote, in which case it will point to the record corresponding to a description of "Quote". The Cost Source can be identified in the application by a green checkmark icon on either the Charge Rate tab or the Quote tab.	2FB8795D-12B7-428F-BC84-FDE202E77D47
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.	Library
DefaultQuantity	Quantity value applied to the Quantity field when a new Resource Employment is created on a Cost Item. Must be a value. Found on the Setup tab of the Resource Rate record.	1
Description	Resource Rate records *Description*. Found on the Resource Rate Register and the Resource Rate record.	Carpenters Apprentice
EquipmentHoursPerUnit	Field for Internal use only	0
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. Must be a value. chosen. Found on the Setup tab of the Resource Rate record.	8
FuelCostUID	Identifier of the 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	20AE5828-1428-47C5-903A-A976D3A0EC3C

Commented [AC4]: @Cyrus, it doesn't appear this field is being used for anything, can you please verify?

Commented [AC5]: @Cyrus, not sure if/how this field is used, can you please clarify?

	not calculated but can be manually entered. Found on the Charge Rate tab of Equipment type Resource Rate records.	
EstimateGeographicAreaUID	Identifier of the Resource Rate records assigned *Geographic Area* from the GeographicAreas table. Found on the Setup tab of the Resource Rate record.	7FB4F013-FF6E-49D8-AE36-7E533607E49E
HoursPerDay	Value of the *Hours per Period* field when Non-Hourly Period Charge Rates are used and the Period Type selection is *Daily*. Must be a value. Found on the Charge Rate tab of Equipment Resource Rate records.	8
HoursPerMonth	Value of the *Hours per Period* field when Non-Hourly Period Charge Rates are used and the Period Type selection is *Monthly*. Must be a value. Found on the Charge Rate tab of Equipment Resource Rate records.	176
HoursPerWeek	Value of the *Hours per Period* field when Non-Hourly Period Charge Rates are used and the Period Type selection is *Weekly*. Must be a value. Found on the Charge Rate tab of Equipment Resource Rate records.	40
HoursPerYear	Value of the *Hours per Period* field when Non-Hourly Period Charge Rates are used and the Period Type selection is *Yearly*. Must be a value. Found on the Charge Rate tab of Equipment Resource Rate records.	2080
IsBillable	Field for Internal use only	0
IsLocked	Field for Internal use only	0
IsNonHourlyPeriodEnabled	Indicates the state of the *Calculate Non-Hourly Period Charge Rates for OE Ownership/RE Rental* checkbox field found on the Charge Rate tab of an Equipment Resource Rate record. The value of this field will be true (1) when the checkbox is checked	1 – True 0 – False
IsSuspended	Field for Internal use only	0
IsUsingWageScaleFactors	Indicates the state of the *Use Base Wage Factors for Scales 2 and 3* checkbox field found on the Charge Rate tab of a labor-type Resource Rate record. Applicable to labor resources only. The value of this field will be true (1) when the checkbox is checked	1 – True 0 – False
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.	2016-11-02 18:19:52.713

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Commented [AC7]: @Cyrus, it doesn't appear this field is being used for anything, can you please verify?

Commented [AC8]: @Cyrus, it doesn't appear this field is being used for anything, can you please verify?

LastChangedBy	Windows user account 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.	wmfarr
EstimateMaintenanceLaborAssemblyUID	Identifier of the specified *Maintenance Labor Assembly* from the ResourceAssemblies table. Found on the Charge Rate tab of Equipment Resource Rate records.	402ACFA8-F81E-4D39-ADF5-047F2D4FC0BD
MaintenanceManHourFactor	Man-Hour factor of the *Maintenance Man-Hours per equipment utilization hour* field on the Charge Rate tab of Equipment Resource Rate records. Must be a value.	0.1
MaintenanceManHours	The *Maintenance Man-Hours* value calculated when the Maintenance Labor feature on the Charge Rate tab of Equipment Resource Rate record is in use. This field is not visible directly in the application.	418.43
ManHoursPerUnit	Field for Internal use only	0
MinorityGoalAllowance	Minority participation percentage value applied to the *Minority Percent* field when a new Resource Employment is created on a Cost Item. Must be a value. Found on the Setup tab of the Resource Rate record for non-duration based resources.	60
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.	Concrete Laborers; Steel Setters.
OperatorUID	Field for Internal use only	NULL
EstimateOrganizationalCategoryUID	Identifier of the Resource Rate records assigned *Organizational Category* from the OrganizationalCategories table. Found on the Setup tab of the Resource Rate record.	7FB4F013-FF6E-49D8-AE36-7E533607E49E
OriginalCurrencyUID	Field for Internal use only	NULL
ParentUID	Field for Internal use only	NULL
PeriodTypeId	Value indicates the *Period* type for Equipment Resource Rate records using Non-Hourly Period Charge Rates. Found on the Charge Rate tab of Equipment Resource Rate records.	0 – Daily 1 – Weekly 2 – Monthly 3 - Yearly
PlugTaxRate	Field for Internal use only	0
ProductivityFactor	Productivity Factor value applied to the *Productivity Factor* field when a new Resource Employment is created on a Cost Item. Must be a value. Found on	1

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Commented [AC11]: @Cyrus, it doesn't appear this field is being used for anything, can you please verify?

Commented [AC12]: @Cyrus, it doesn't appear this field is being used for anything, can you please verify?

Commented [AC13]: @Cyrus, it doesn't appear this field is being used for anything, Tried setting the tax rate manually, but this persists with a zero so presuming tax rate is stored with cost categories and this may be an old field and no longer used? Can you please verify?

	the Setup tab of the Resource Rate record for duration based resources.	
EstimateQuantityRollUpUID	Identifier of the Resource Rate records assigned *Quantity Roll-Up* Code value from the QuantityRollUps table. Found on the Setup tab of the Resource Rate record for non-duration based resources.	510EADB5-E6B9-419A-A04C-5C4C9D28335E
QuotedBond	Read-only value appearing in the *Bond* field on the Quote tab of a Resource Rate record whose cost is derived from an awarded quote.	0.03
QuotedBusinessPhoneNumber	Read-only value appearing in the *Phone* field on the Quote tab of a Resource Rate record whose cost is derived from an awarded quote.	111-122-1321
QuotedCompanyName	Read-only value appearing in the *Company* field on the Quote tab of a Resource Rate record whose cost is derived from an awarded quote.	Example Vendor 4 DBE
QuotedConditions	Read-only value appearing in the *Conditions* field on the Quote tab of a Resource Rate record whose cost is derived from an awarded quote.	0.25
QuotedContactName	Read-only value appearing in the *Conatct* field on the Quote tab of a Resource Rate record whose cost is derived from an awarded quote.	Slim, Lester
QuotedPrice	Read-only value appearing in the *Unit Price* field on the Quote tab of a Resource Rate record whose cost is derived from an awarded quote.	13
QuotedQuantity	Field for Internal use only	0
QuotedTaxes	Read-only value appearing in the *Taxes* field on the Quote tab of a Resource Rate record whose cost is derived from an awarded quote.	2.02
QuotedTotal	Read-only value appearing in the *Total* field on the Quote tab of a Resource Rate record whose cost is derived from an awarded quote.	15.30
EstimateQuoteGroupUID	Identifier of the 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.	F24E2548-7ED8-4318-AEFE-4C80478A3CD9
EstimateResourceFileUID	Identifier of the Resource Rate records assigned *Resource File* from the ResourceFiles table. Found on the Setup tab of the Resource Rate record.	7FB4F013-FF6E-49D8-AE36-7E533607E49E
ResourceType	Code used to identify the *Resource Type* of Resource Rate record. Values are listed in the ResourceTypes table in the BidMaster database.	1 – Labor 2 – Equipment 3 – InstalledMaterial 4 – Supply

Commented [AC14]: @Cyrus, it doesn't appear this field is being used for anything, can you please verify? If so, would be good to note that here as the presence of this field can be very misleading if someone thinks it carries actual values.

		5 – Unique 6 – InstalledEquipment 7 – RentedEquipment
SaveID	Field for internal use only	290
Tag1UID	Identifier of the Tag value entry in the UserTags table. Found in the *Tag 1* dropdown field on the Setup tab of the Resource Rate record.	F675338E-4F35-45BD-B3D9-0793ED9C2645
Tag2UID	Identifier of the Tag value entry in the UserTags table. Found in the *Tag 2* dropdown field on the Setup tab of the Resource Rate record.	57935D90-D5D0-4B66-AB01-3242EE080A53
Tag3UID	Identifier of the Tag value entry in the UserTags table. Found in the *Tag 3* dropdown field on the Setup tab of the Resource Rate record.	57935D90-D5D0-4B66-AB01-3242EE080A53
UnitCost	Resource Rate records *Unit Cost (Scale 1)*. Found on the Resource Rate Register.	27.48
EstimateUnitOfMeasureUID	Identifier of the 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.	312AC3B7-373B-4369-B56C-AFC6D412BDAE
UseDefaultMaintenanceLaborAssembly	Indicates the selected state of the Assembly containing the Maintenance Labor resources group found on the Charge Rate tab of Equipment Resource Rate records. The value of this field will be true (1) when the radio option for *Use job default:* is selected	1 – True 0 – False
UserField1	Value of the *User Defined 1* text type data field on the Setup tab of the Resource Rate record.	Some text here
UserField2	Value of the *User Defined 2* text type data field on the Setup tab of the Resource Rate record.	Some text here
UserField3	Value of the *User Defined 3* text type data field on the Setup tab of the Resource Rate record.	Some text here
UserField4	Value of the *User Defined 4* text type data field on the Setup tab of the Resource Rate record.	Some text here
UserField5	Value of the *User Defined 5* text type data field on the Setup tab of the Resource Rate record.	Some text here
UserField6	Value of the *User Defined 6* text type data field on the Setup tab of the Resource Rate record.	Some text here
UserField7	Value of the *User Defined 7* text type data field on the Setup tab of the Resource Rate record.	Some text here

Commented [AC15]: used to determine if a record has changed and needs to be updated when a save is invoked, prevents updating all data on a save event

UserField8	Value of the *User Defined 8* text type data field on the Setup tab of the Resource Rate record.	Some text here
UserField9	Value of the *User Defined 9* text type data field on the Setup tab of the Resource Rate record.	Some text here
UserField10	Value of the *User Defined 10* text type data field on the Setup tab of the Resource Rate record.	Some text here
UseUniqueMaintenanceLaborAssembly	Indicates the selected state of the Assembly containing the Maintenance Labor resources group found on the Charge Rate tab of Equipment Resource Rate records. The value of this field will be true (1) when the radio option for *Use:* is selected	1 – True 0 – False
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.	241.33
UtilizationCountFromDependents	Value indicating the total quantity of the corresponding resource utilization defined by a Resource Utilization Add-On Dependent Cost Item.	1
WageScale2Factor	When IsUsingWageScaleFactors is True (1), the *Wage Scale 2* factor is the value applied to the Scale 1 Labor Base amount to determine the Scale 2 Labor Base amount. Applicable to labor resources only. Must be a value. Found on the Charge Rate tab of a labor-type Resource Rate record for non-duration based resources.	1.5
WageScale3Factor	When IsUsingWageScaleFactors is True (1), the *Wage Scale 3* factor is the value applied to the Scale 1 Labor Base amount to determine the Scale 3 Labor Base amount. Applicable to labor resources only. Must be a value. Found on the Charge Rate tab of a labor-type Resource Rate record for non-duration based resources.	2
EstimateWageZoneUID	Identifier of the Resource Rate records assigned *Wage Zone* from the WageZones table. Found on the Setup tab of the Resource Rate record.	7FB4F013-FF6E-49D8-AE36-7E533607E49E
WastePercent	Waste percentage applied as a default value to the *Waste Percent Add-On* field of a newly created Resource Employment on a Cost Item. Must be a value. Found on the Setup tab of the Resource Rate record for non-duration based resources.	10
BidMasterJobUID	Identifier of the Job record from the Jobs table in the BidMaster database.	5376AA5E-8C85-43E8-9ACB-D7422000E832

Commented [AC16]: @Cyrus, it doesn't appear this field is being used for anything, can you please verify?

	This 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	430
IsActive	Indicates if record is active. Please note: records will become inactive if a user un-syncs a job from Estimate application	True = 1 False = 0
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

> **Commented [AC17]:** used in conjunction with SaveID and used to determine if a record has changed and needs to be updated when a save is invoked, prevents updating all data on a save event

Sample

{"EstimateResourceId":5883,"EstimateResourceUF":"4f1ef654-09b0-0f0c-3a12-a73fc6d0d209","EstimateResourceUID":"020dc3da-6784-4fc0-8fa1-bf0a7648b8f4","EstimateAccountCodeUID":null,"AlternateUnitOfMeasureUID":"312ac3b7-373b-4369-b56c-afc6d412bdae","AmountPerDay":0.0,"AmountPerMonth":0.0,"AmountPerWeek":0.0,"AmountPerYear":0.0,"AutoCalcMaintenanceLaborManHours":false,"AwardeeDBEType":0,"AwardeeRate":0.0,"AwardeeTaxRate":0.0,"EstimateAwardeeUID":null,"AwardProportionately":false,"AwardToUndefined":true,"AwardToUndefinedSubcontract":false,"BillingInfoDriver1":0,"BillingInfoDriver2":0,"BillingInfoDriver3":0,"BillingRate1":28.0,"BillingRate2":0.0,"BillingRate3":0.0,"BillingRateMarkup1":0.0,"BillingRateMarkup2":0.0,"BillingRateMarkup3":0.0,"BillingRateMarkupPercent1":0.0,"BillingRateMarkupPercent2":0.0,"BillingRateMarkupPercent3":0.0,"ChargeRate1":28.0,"ChargeRate2":0.0,"ChargeRate3":0.0,"ChildInfo":null,"Code":"EMPW","EstimateCostCurveUID":"a74b8943-b1be-4504-a178-9131aaf3ba21","EstimateCostDriverUID":"4a71204f-da06-4e1a-86f5-fa2518e69316","EstimateCostSourceUID":"2fb8795d-12b7-428f-bc84-fde202e77d47","EstimateCurrencyUID":"58687bb8-8107-4b88-ae04-f236c3050e58","DataSource":"Library","DefaultQuantity":1.0,"Description":"Pressure Washer","EquipmentHoursPerUnit":0.0,"FuelConsumption":0.0,"FuelCostUID":null,"EstimateGeographicAreaUID":null,"HoursPerDay":0.0,"HoursPerMonth":0.0,"HoursPerWeek":0.0,"HoursPerYear":0.0,"IsBillable":false,"IsLocked":false,"IsNonHourlyPeriodEnabled":false,"IsSuspended":false,"IsUsingWageScaleFactors":false,"LastChanged":"2021-02-10T02:34:01.943Z","LastChangedBy":"System","EstimateMaintenanceLaborAssemblyUID":null,"MaintenanceManHourFactor":0.0,"MaintenanceManHours":0.0,"ManHoursPerUnit":0.0,"MinorityGoalAllowance":0.0,"Notes":null,"OperatorUID":null,"EstimateOrganizationalCategoryUID":"a9ec164a-d620-4f5b-be42-cb586d62e104","OriginalCurrencyUID":null,"ParentUID":null,"PeriodTypeId":0,"PlugTaxRate":0.0,"ProductivityFactor":1.0,"EstimateQuantityRollUpUID":null,"QuotedBond":0.0,"QuotedBusinessPhoneNumber":null,"QuotedCompanyName":null,"QuotedConditions":0.0,"QuotedContactName":null,"QuotedPrice":0.0,"QuotedQuantity":0.0,"QuotedTaxes":0.0,"QuotedTotal":0.0,"EstimateQuoteGroupUID":null,"EstimateResourceFileUID":"7fb4f013-ff6e-49d8-ae36-7e533607e49e","ResourceType":2,"SaveID":378,"Tag1UID":null,"Tag2UID":null,"Tag3UID":null,"UnitCost":28.0,"EstimateUnitOfMeasureUID":"312ac3b7-373b-4369-b56c-afc6d412bdae","UseDefaultMaintenanceLaborAssembly":true,"UserField1":null,"UserField2":null,"UserField3":null,"UserField4":null,"UserField5":null,"UserField6":null,"UserField7":null,"UserField8":null,"UserField9":null,"UserField10":null,"UseUniqueMa

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Data Validation

This data can be validated by opening the Resource Rate Register or Resource Rate Record in an open job in the Estimate Application

Figure 1: Resource Rate Register

Figure 2: Resource Rate Record

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