



RE Compute BP – Mod to Compute: Inclusion Computation of Calculated fields Govern V6

Release 6.0/6.1 Version 1

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Overview

Available in Release 6.1.1811

The Real Property Tax Compute is a process that performs automatic calculation of Real Property Tax Assessment values and the subsequent creation of historical records. This computation is performed every time this function is accessed, regardless of whether changes are made to the record, or not. The Compute Levies and Exemptions form is used to re-compute the levies and/or the exemptions after a change in the tax rates, exemption amounts or percentages. It is recommended to run this process prior to printing tax bills.

To improve performance, and minimize processing time, modifications were made to the compute Levy and Exemptions process.

NOTE: The current structure will effectively double the time of the batch process. Optimization of the computation process, i.e. improve speed and include calculated fields, will only occur at an as yet unscheduled development date.

Modification to Process

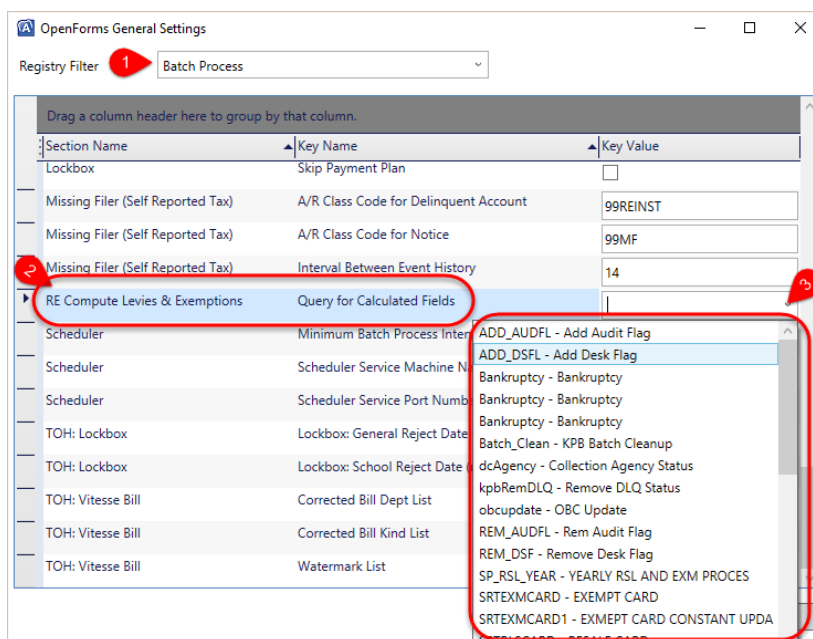
As an interim solution, a parameter has been added to the Batch Process that will avoid having to hard code a query. With the parameter will allow the user to select an ACTION Query

A modification will be made to the real Estate (RE) computation; the change will incorporate the compute of calculated fields.

a change will be made to the RE Compute so that it will execute the Evaluate Calculated Fields for each Parcel before computing the Parcel.

Configuration

This option is configured through the General Settings editor in GNA.



To access the parameter in GNA...

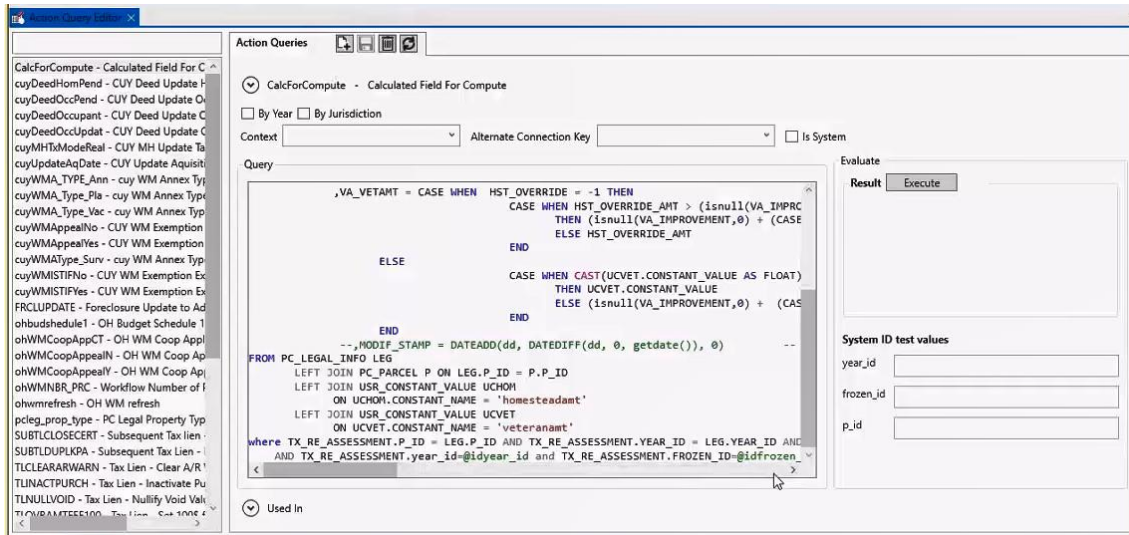
1. From the GNA ribbon, select *Parameters (tab) > System Parameters (group) > General Settings Editor*.
2. In the OpenForms General Settings form, set the *Registry Filter* to **Batch Process**.
3. Scroll down to **RE Compute Levies & Exemptions** under the *Section Name* column.
4. In the parameter, select the required ACTION query that is to be executed on each parcel.

NOTE: If this parameter is not set, the process will run as usual. Required ACTION queries are configured in the GNA Action Query Editor.

Required Steps

Specify Action Query

Specify an Action Query in the GNA Action Query Editor. You will need to configure the Govern ID, including the Parcel ID (P_ID), Year_ID, and Frozen_ID.



Action Queries

☐ CalcForCompute - Calculated Field For Compute

☐ By Year ☐ By Jurisdiction

Context: Alternate Connection Key: ☐ Is System

Query

```

,VA_VETAMT = CASE WHEN HST_OVERRIDE = -1 THEN
CASE WHEN HST_OVERRIDE_AMT > (isnull(VA_IMPRC
THEN (isnull(VA_IMPROVEMENT,0) + (CASE
ELSE HST_OVERRIDE_AMT
END
ELSE
CASE WHEN CAST(UCVET.CONSTANT_VALUE AS FLOAT)
THEN UCVET.CONSTANT_VALUE
ELSE (isnull(VA_IMPROVEMENT,0) + (CAS
END
END
END
-- ,MODIF_STAMP = DATEADD(dd, 0, getdate()), 0) --
FROM PC_LEGAL_INFO LEG
LEFT JOIN PC_PARCEL P ON LEG.P_ID = P.P_ID
LEFT JOIN USR_CONSTANT_VALUE UCHON
ON UCHON.CONSTANT_NAME = 'homesteadamt'
LEFT JOIN USR_CONSTANT_VALUE UCVET
ON UCVET.CONSTANT_NAME = 'veteranamt'
where TX_RE_ASSESSMENT.P_ID = LEG.P_ID AND TX_RE_ASSESSMENT.YEAR_ID = LEG.YEAR_ID AND
AND TX_RE_ASSESSMENT.year_id=@idyear_id AND TX_RE_ASSESSMENT.FROZEN_ID=@idfrozen_

```

Evaluate

System ID test values

year_id:

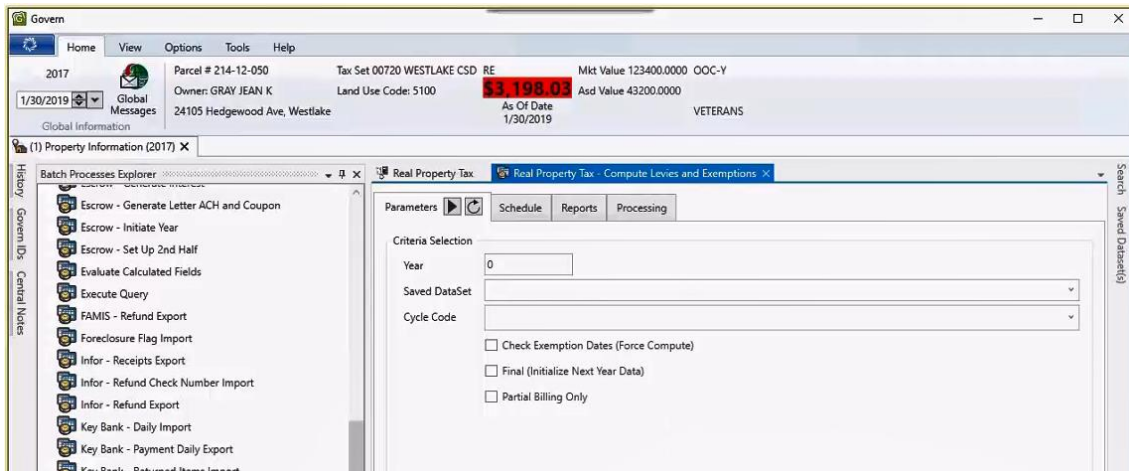
frozen_id:

p_id:

☐ Used In

The next step is to configure the Action Query in the GNA SY Registry form, i.e. the OpenForms General Settings form. *See Configuration section above.*

Run the Batch Process



Govern

Home View Options Tools Help

2017 Parcel # 214-12-050 Tax Set 00720 WESTLAKE CSD RE Mkt Value 123400.0000 OOC-Y

1/30/2019 Global Messages Owner: GRAY JEAN K Land Use Code: 5100 **\$3,198.00** Asd Value 43200.0000

Global Information 24105 Hedgewood Ave, Westlake As Of Date 1/30/2019 VETERANS

(1) Property Information (2017) X

Batch Processes Explorer

- Escrow - Generate Letter ACH and Coupon
- Escrow - Initiate Year
- Escrow - Set Up 2nd Half
- Evaluate Calculated Fields
- Execute Query
- FAMIS - Refund Export
- Foreclosure Flag Import
- Infor - Receipts Export
- Infor - Refund Check Number Import
- Infor - Refund Export
- Key Bank - Daily Import
- Key Bank - Payment Daily Export
- Key Bank - Returned Items Import

Real Property Tax - Compute Levies and Exemptions X

Parameters Schedule Reports Processing

Criteria Selection

Year:

Saved DataSet:

Cycle Code:

☐ Check Exemption Dates (Force Compute)

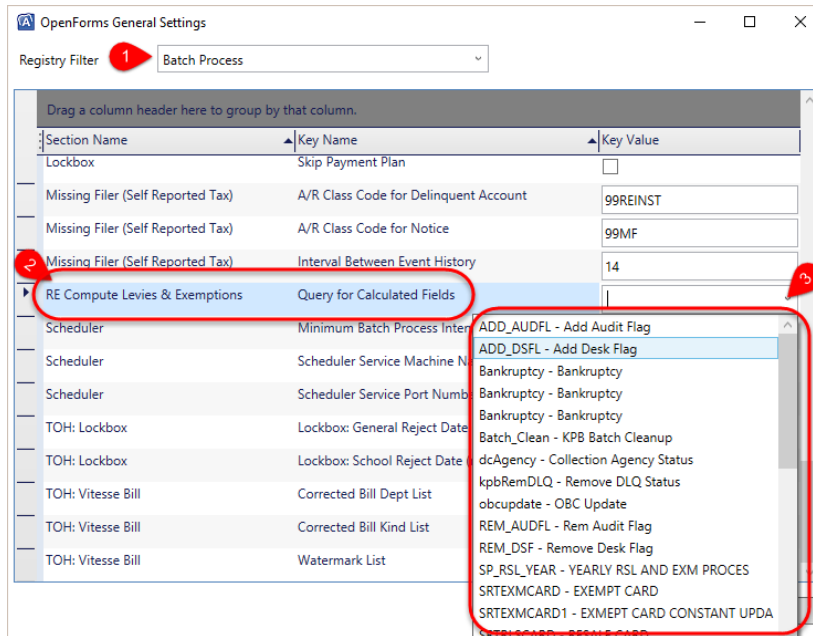
☐ Final (Initialize Next Year Data)

☐ Partial Billing Only

Search Saved Datasets

When running the batch process, typically the **Check Exemption Dates (Force Compute)** option is selected.

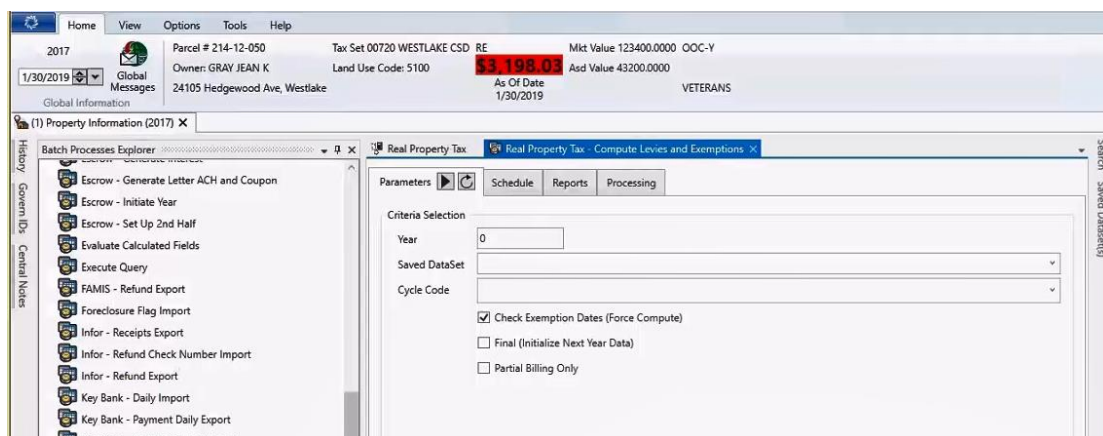
Modification to Process



System Registry parameters have been added to the RE Section for TX_Assessment, TX_Levy, TX_Exemption entities. For the calculated fields, the Compute Batch process has had this step added so it is executed before the compute of each parcel.

User Interface

The user interface is the standard Batch Process interface.



NOTE: Users should note that the optional query is not indicated in the interface. This is because the selection of the query is a one-time setting that occurs in the GNA System Registry form.

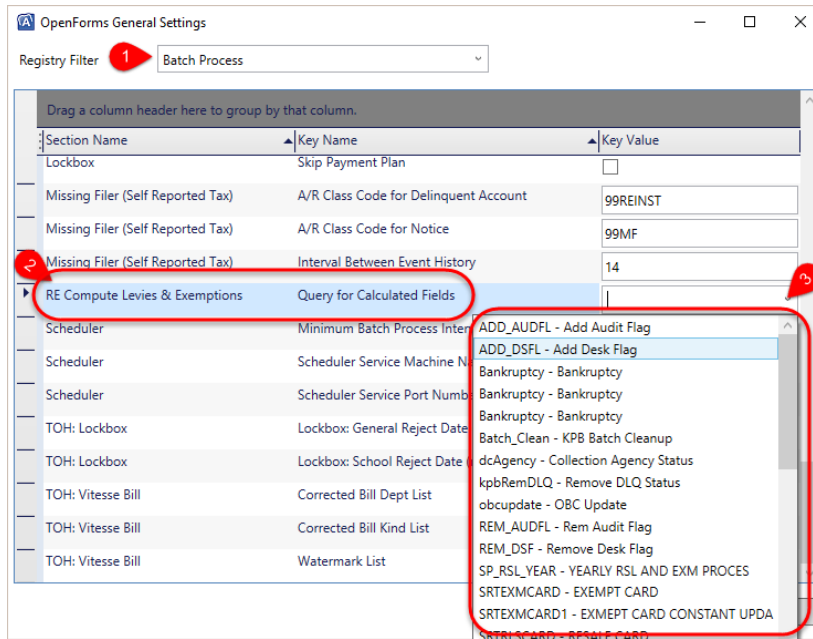
APPENDIX

Real Property Tax - Compute Levies and Exemptions

Option for Compute Levies and Exemptions (RE)

The following is an example of an Optional and Temporary update query that can be execute before the compute on each Parcel of the run to update Calculated Fields (6.1.1811.0133):

As illustrated in the [Configuration](#) section of this document, setup occurs in the GNA:



Sample Query

NOTE: To ensure that the query triggers a Compute (if the Force Compute is not checked), you will need to add the following in the query:

```
MODIF_STAMP = DATEADD(dd, DATEDIFF(dd, 0, getdate()), 0)
```

Example

```
UPDATE TX_RE_ASSESSMENT
SET VA_HOMEAMT = CASE WHEN HST_OVERRIDE = -1 THEN
    CASE WHEN HST_OVERRIDE_AMT >
        (isnull(VA_IMPROVEMENT,0) + (CASE WHEN LEG.SIZE_T_UNIT = 'a' AND
        ISNULL(LEG.SIZE_TOTAL,0)>1 THEN ROUND(isnull(VA_LAND_VALUE,0)/LEG.SIZE_TOTAL,0) ELSE
        isnull(VA_LAND_VALUE,0) END) + isnull(VA_LAND_AG_CREDIT,0) +
        isnull(VA_TOTAL_MH_ASSMNT,0))
    THEN (isnull(VA_IMPROVEMENT,0) + (CASE
        WHEN LEG.SIZE_T_UNIT = 'a' AND ISNULL(LEG.SIZE_TOTAL,0)>1 THEN
        ROUND(isnull(VA_LAND_VALUE,0)/LEG.SIZE_TOTAL,0) ELSE isnull(VA_LAND_VALUE,0) END) +
        isnull(VA_LAND_AG_CREDIT,0) + isnull(VA_TOTAL_MH_ASSMNT,0))
    ELSE HST_OVERRIDE_AMT
    END
ELSE
    CASE WHEN CAST(UCHOM.CONSTANT_VALUE AS FLOAT)
    < (isnull(VA_IMPROVEMENT,0) + (CASE WHEN LEG.SIZE_T_UNIT = 'a' AND
    ISNULL(LEG.SIZE_TOTAL,0)>1 THEN ROUND(isnull(VA_LAND_VALUE,0)/LEG.SIZE_TOTAL,0) ELSE
    isnull(VA_LAND_VALUE,0) END) + isnull(VA_LAND_AG_CREDIT,0) +
    isnull(VA_TOTAL_MH_ASSMNT,0))
```

```

                                THEN UCHOM.CONSTANT_VALUE
                                ELSE (isnull(VA_IMPROVEMENT,0) + (CASE
WHEN LEG.SIZE_T_UNIT = 'a' AND ISNULL(LEG.SIZE_TOTAL,0)>1 THEN
ROUND(isnull(VA_LAND_VALUE,0)/LEG.SIZE_TOTAL,0) ELSE isnull(VA_LAND_VALUE,0) END) +
isnull(VA_LAND_AG_CREDIT,0) + + isnull(VA_TOTAL_MH_ASSMNT,0))
                                END
                                END
                                ,VA_VETAMT = CASE WHEN HST_OVERRIDE = -1 THEN
                                CASE WHEN HST_OVERRIDE_AMT >
(isnull(VA_IMPROVEMENT,0) + (CASE WHEN LEG.SIZE_T_UNIT = 'a' AND
ISNULL(LEG.SIZE_TOTAL,0)>1 THEN ROUND(isnull(VA_LAND_VALUE,0)/LEG.SIZE_TOTAL,0) ELSE
isnull(VA_LAND_VALUE,0) END) + isnull(VA_LAND_AG_CREDIT,0) + +
isnull(VA_TOTAL_MH_ASSMNT,0))
                                THEN (isnull(VA_IMPROVEMENT,0) + (CASE
WHEN LEG.SIZE_T_UNIT = 'a' AND ISNULL(LEG.SIZE_TOTAL,0)>1 THEN
ROUND(isnull(VA_LAND_VALUE,0)/LEG.SIZE_TOTAL,0) ELSE isnull(VA_LAND_VALUE,0) END) +
isnull(VA_LAND_AG_CREDIT,0) + + isnull(VA_TOTAL_MH_ASSMNT,0))
                                ELSE HST_OVERRIDE_AMT
                                END
                                ELSE
                                CASE WHEN CAST(UCVET.CONSTANT_VALUE AS FLOAT)
< (isnull(VA_IMPROVEMENT,0) + (CASE WHEN LEG.SIZE_T_UNIT = 'a' AND
ISNULL(LEG.SIZE_TOTAL,0)>1 THEN ROUND(isnull(VA_LAND_VALUE,0)/LEG.SIZE_TOTAL,0) ELSE
isnull(VA_LAND_VALUE,0) END) + isnull(VA_LAND_AG_CREDIT,0) + +
isnull(VA_TOTAL_MH_ASSMNT,0))
                                THEN UCVET.CONSTANT_VALUE
                                ELSE (isnull(VA_IMPROVEMENT,0) + (CASE
WHEN LEG.SIZE_T_UNIT = 'a' AND ISNULL(LEG.SIZE_TOTAL,0)>1 THEN
ROUND(isnull(VA_LAND_VALUE,0)/LEG.SIZE_TOTAL,0) ELSE isnull(VA_LAND_VALUE,0) END) +
isnull(VA_LAND_AG_CREDIT,0) + + isnull(VA_TOTAL_MH_ASSMNT,0))
                                END
                                END
                                --,MODIF_STAMP = DATEADD(dd, DATEDIFF(dd, 0, getdate()), 0)
Optional to Force Compute
FROM PC_LEGAL_INFO LEG
    LEFT JOIN PC_PARCEL P ON LEG.P_ID = P.P_ID
    LEFT JOIN USR_CONSTANT_VALUE UCHOM
        ON UCHOM.CONSTANT_NAME = 'homesteadamt'
    LEFT JOIN USR_CONSTANT_VALUE UCVET
        ON UCVET.CONSTANT_NAME = 'veteranamt'
where TX_RE_ASSESSMENT.P_ID = LEG.P_ID AND TX_RE_ASSESSMENT.YEAR_ID = LEG.YEAR_ID AND
TX_RE_ASSESSMENT.FROZEN_ID = LEG.FROZEN_ID
    AND TX_RE_ASSESSMENT.year_id=@idyear_id and
TX_RE_ASSESSMENT.FROZEN_ID=@idfrozen_id and TX_RE_ASSESSMENT.p_id=@idp_id

```