

MA2I – Value Override

Value Override in MSGovern V6

Release 6.0 Version 1

Last Revision Update: 2014/04/15

Version History

Version	Date	Modify By	Description
1.0	2014/04/15	Eric Plante	Create document

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Summary

Update values from MA_Override

Description

MA_Override contains overridable values that many functionalities can override.

Database

MA_OVERRIDE

MA_MASTER

Functionalities

Before save

Before Delete

Change Building value label based on METHOD_IN_USE value from MA_MASTER

Disable create button if a record exists

Roll Forward

Daemon Data Recalculation

Validate Required Attributes

Class

MA_ValueOverride_Controller

MaOverride poco

Implementation

In **BED** add an attribute METHOD_IN USE that is not link to a table (otherwise, creating a new record would create a row in that table and we don't want that)

In **OFD**, add an expression to change BLDG_VALUE label based on the METHOD_IN_USE attribute value (see Expression for more detail).

MA_ValueOverride_Controller

GetRequiredAttributes : METHOD_IN_USE, STARTING_YEAR, ENDING_YEAR, P_ID, YEAR_ID, FROZEN_ID

OnCurrentItemChanged

- If the current item is nothing, enable the create button, otherwise, disable it.
- Get METHOD_IN_USE from MA_MASTER to feed the attribute with the value if any.

OnSaving

- If the entity STARTING_YEAR / ENDING_YEAR overlaps other records STARTING_YEAR / ENDING_YEAR years for the parcel and frozen id, a confirmation from the user is required.
 - o Get the current STARTING_YEAR / ENDING_YEAR attribute values

- Get the number of MaOverride records that overlaps for the parcel but for different years (see query for more detail)
- If there are any, ask a confirmation to the user to continue or not saving
 - Cancel or perform the save based on the user's response.

Roll Forward

- Override GovernFunctionCode to return None from enumGovernFunctionCode in BR_CO_General. that will tell the functionality to do the roll forward for value overrides
- Overrides the KeyIdName to return the code for the governed Parcel (P_ID)

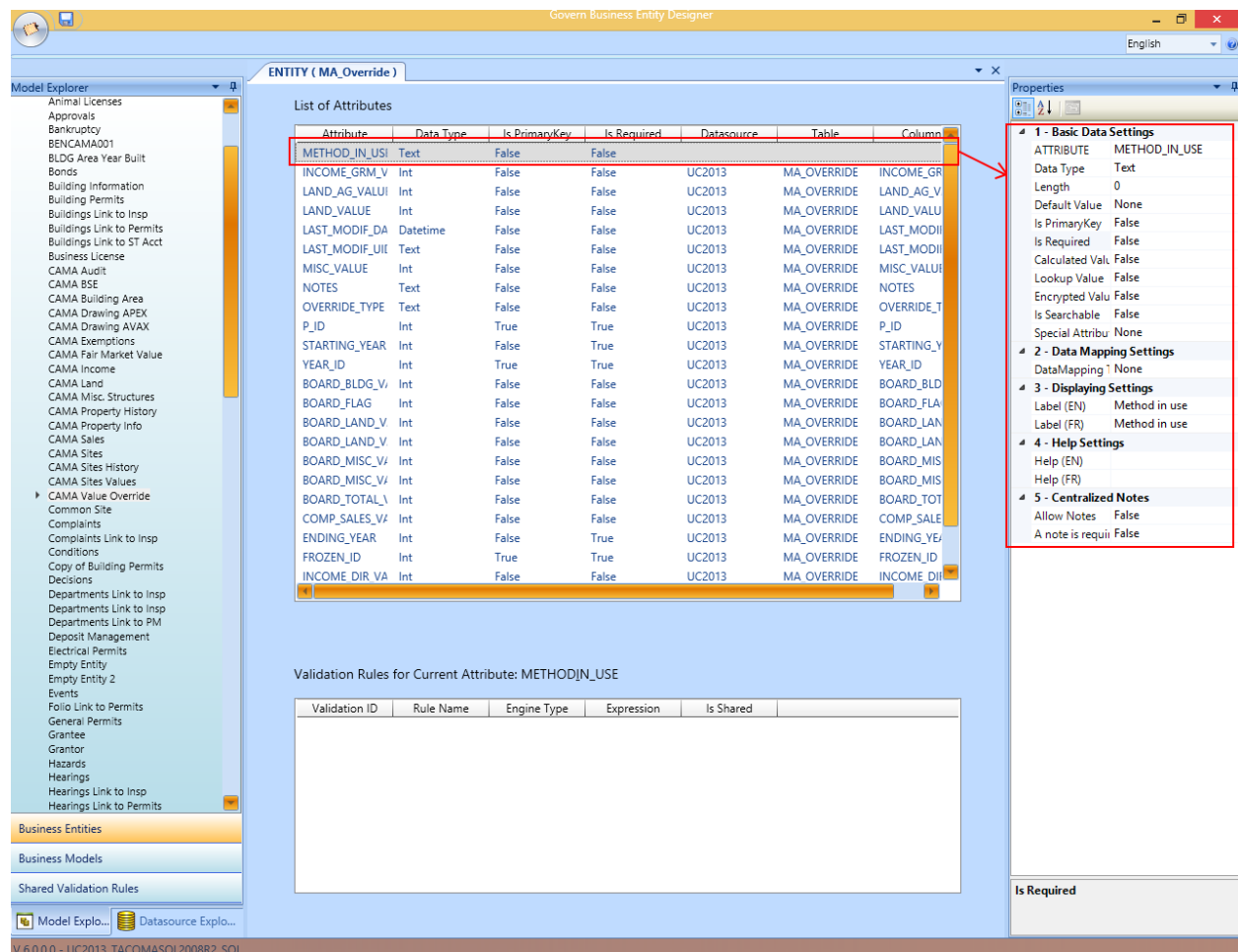
Daemon Data Recalculation

- Set AllowComputeData to True which is the default for MA so no need to do anything specific.

UI

BED :

- STARTING_YEAR and ENDING_YEAR are required
- Add an METHOD_IN_USE attribute no linked to the database



The screenshot shows the Govern Business Entity Designer (BED) interface. The main window displays the 'List of Attributes' for the 'ENTITY (MA_OVERRIDE)'. The attributes are listed in a table with columns: Attribute, Data Type, Is PrimaryKey, Is Required, Datasource, Table, and Column.

Attribute	Data Type	Is PrimaryKey	Is Required	Datasource	Table	Column
METHOD_IN_USE	Text	False	False			
INCOME_GRM_V	Int	False	False	UC2013	MA_OVERRIDE	INCOME_GRM_V
LAND_AG_VALU	Int	False	False	UC2013	MA_OVERRIDE	LAND_AG_V
LAND_VALUE	Int	False	False	UC2013	MA_OVERRIDE	LAND_VALU
LAST_MODIF_DA	Datetime	False	False	UC2013	MA_OVERRIDE	LAST_MODIF
LAST_MODIF_UI	Text	False	False	UC2013	MA_OVERRIDE	LAST_MODIF
MISC_VALUE	Int	False	False	UC2013	MA_OVERRIDE	MISC_VALU
NOTES	Text	False	False	UC2013	MA_OVERRIDE	NOTES
VERRIDE_TYPE	Text	False	False	UC2013	MA_OVERRIDE	VERRIDE_T
P_ID	Int	True	True	UC2013	MA_OVERRIDE	P_ID
STARTING_YEAR	Int	False	True	UC2013	MA_OVERRIDE	STARTING_Y
YEAR_ID	Int	True	True	UC2013	MA_OVERRIDE	YEAR_ID
BOARD_BLDG_V	Int	False	False	UC2013	MA_OVERRIDE	BOARD_BLD
BOARD_FLAG	Int	False	False	UC2013	MA_OVERRIDE	BOARD_FLA
BOARD_LAND_V	Int	False	False	UC2013	MA_OVERRIDE	BOARD_LAN
BOARD_LAND_V	Int	False	False	UC2013	MA_OVERRIDE	BOARD_LAN
BOARD_MISC_V	Int	False	False	UC2013	MA_OVERRIDE	BOARD_MIS
BOARD_MISC_V	Int	False	False	UC2013	MA_OVERRIDE	BOARD_MIS
BOARD_TOTAL_V	Int	False	False	UC2013	MA_OVERRIDE	BOARD_TOT
COMP_SALES_V	Int	False	False	UC2013	MA_OVERRIDE	COMP_SALE
ENDING_YEAR	Int	False	True	UC2013	MA_OVERRIDE	ENDING_YE
FROZEN_ID	Int	True	True	UC2013	MA_OVERRIDE	FROZEN_ID
INCOME DIR VA	Int	False	False	UC2013	MA_OVERRIDE	INCOME DIR

The 'Properties' pane on the right shows the configuration for the 'METHOD_IN_USE' attribute:

- 1 - Basic Data Settings**
 - ATTRIBUTE: METHOD_IN_USE
 - Data Type: Text
 - Length: 0
 - Default Value: None
 - Is PrimaryKey: False
 - Is Required: False
 - Calculated Value: False
 - Lookup Value: False
 - Encrypted Value: False
 - Is Searchable: False
 - Special Attribute: None
- 2 - Data Mapping Settings**
 - Data Mapping: None
- 3 - Displaying Settings**
 - Label (EN): Method in use
 - Label (FR): Method in use
- 4 - Help Settings**
 - Help (EN):
 - Help (FR):
- 5 - Centralized Notes**
 - Allow Notes: False
 - A note is required: False

The 'Validation Rules for Current Attribute: METHOD_IN_USE' section is empty.

Govern Business Entity Designer

ENTITY (MA_Ovrdrd)

Model Explorer

- Animal Licenses
- Approvals
- Bankruptcy
- BENCAMA001
- BLDG Area Year Built
- Bonds
- Building Information
- Building Permits
- Buildings Link to Insp
- Buildings Link to Permits
- Buildings Link to ST Acct
- Business License
- CAMA Audit
- CAMA BSE
- CAMA Building Area
- CAMA Drawing APEX
- CAMA Drawing AVAX
- CAMA Exemptions
- CAMA Fair Market Value
- CAMA Income
- CAMA Land
- CAMA Misc. Structures
- CAMA Property History
- CAMA Property Info
- CAMA Sales
- CAMA Sites
- CAMA Sites History
- CAMA Sites Values
- CAMA Value Override
- Common Site
- Complaints
- Complaints Link to Insp
- Conditions
- Copy of Building Permits
- Decisions
- Departments Link to Insp
- Departments Link to PM
- Deposit Management
- Electrical Permits
- Empty Entity
- Empty Entity 2
- Events
- Folio Link to Permits
- General Permits
- Grantee
- Grantor
- Hazards
- Hearings
- Hearings Link to Insp
- Hearings Link to Permits

Business Entities

Business Models

Shared Validation Rules

Model Explo... Datasource Explo...

V 6.0.0.0 - UC2013_TACOMASQL2008R2_SQL

List of Attributes

Attribute	Data Type	Is PrimaryKey	Is Required	Datasource	Table	Column
METHOD_IN_USI	Text	False	False	UC2013	MA_OVRDRD	INCOME_GR
INCOME_GRM_V	Int	False	False	UC2013	MA_OVRDRD	LAND_AG_V
LAND_AG_VALUI	Int	False	False	UC2013	MA_OVRDRD	LAND_VALU
LAND_VALUE	Int	False	False	UC2013	MA_OVRDRD	LAST_MODI
LAST_MODIF_DA	Datetime	False	False	UC2013	MA_OVRDRD	LAST_MODI
LAST_MODIF_UII	Text	False	False	UC2013	MA_OVRDRD	MISC_VALUI
MISC_VALUE	Int	False	False	UC2013	MA_OVRDRD	NOTES
NOTES	Text	False	False	UC2013	MA_OVRDRD	OVRRDRD_T
OVRRDRD_TYPE	Text	False	False	UC2013	MA_OVRDRD	P_ID
P_ID	Int	True	True	UC2013	MA_OVRDRD	STARTING_Y
STARTING_YEAR	Int	False	True	UC2013	MA_OVRDRD	YEAR_ID
YEAR_ID	Int	True	True	UC2013	MA_OVRDRD	BOARD_BLD
BOARD_BLDG_V	Int	False	False	UC2013	MA_OVRDRD	BOARD_FLA
BOARD_FLAG	Int	False	False	UC2013	MA_OVRDRD	BOARD_LAN
BOARD_LAND_V	Int	False	False	UC2013	MA_OVRDRD	BOARD_LAN
BOARD_LAND_V	Int	False	False	UC2013	MA_OVRDRD	BOARD_MIS
BOARD_MISC_V	Int	False	False	UC2013	MA_OVRDRD	BOARD_MIS
BOARD_TOTAL_V	Int	False	False	UC2013	MA_OVRDRD	BOARD_TOT
BOARD_TOTAL_V	Int	False	False	UC2013	MA_OVRDRD	COMP_SALE
COMP_SALES_V	Int	False	False	UC2013	MA_OVRDRD	ENDING_YE
ENDING_YEAR	Int	False	True	UC2013	MA_OVRDRD	FROZEN_ID
FROZEN_ID	Int	True	True	UC2013	MA_OVRDRD	INCOME DIR
INCOME DIR VA	Int	False	False	UC2013	MA_OVRDRD	

Validation Rules for Current Attribute: ENDINGYEAR

Validation ID	Rule Name	Engine Type	Expression	Is Shared

Properties

1 - Basic Data Settings

ATTRIBUTE: ENDING_YEAR

Data Type: Int

Length: 2

Default Value: None

Is Primary Key: False

Is Required: **True**

Calculated Value: False

Lookup Value: False

Encrypted Value: False

Is Searchable: False

Special Attribute: None

Formatting

2 - Data Mapping Settings

DataMapping: RelationalDatabase

Datasource: UC2013

Table: MA_OVRDRD

Column: ENDING_YEAR

Identity Type: None

3 - Displaying Settings

Label (EN): Ending Year

Label (FR): Ending Year

4 - Help Settings

Help (EN):

Help (FR):

5 - Centralized Notes

Allow Notes: False

A note is requir: False

Is Required

OFD

- Click on the form and then click on the ... button beside the controller attribute and set MA_ValueOverride_Controller from MsGovern.OpenForms.CustomControls project.
- Click on the Form and then click on the ... button beside the configuration attribute to set P_ID, Frozen_id and Year_ID as filter and setters
- The label associated to BLDG_VALUE changes depending on METHOD_IN_USE attribute that should be invisibilized because the value is not set manually by the user.

Open Forms Designer

Entities: CAMA Value Override (Root)

Value Override

CAMA Value Override

Extension selector

Folder: C:\MsGovern\MsGovern.Net\Development\Src\GovernNet\Application\MsGovern.OFD\OFD\bin\x86\Debug\NET

☒ Only show classes that implement the custom control interface

Assembly: MsGovern.OpenForms.CustomControls.dll

Class: MA_ValueOverride_Controller

Controller: MsGovern.OpenForms.Cu... MA_ValueOverride_Contr...

Entity tab item

Controller properties

Layout

Height

Horizontal alignment: Stretch

Vertical alignment: Stretch

Width

Misc

Configuration: Click to edit

Name: MA_Override

Record description: X

Tab sequence number

Text: CAMA Value Override

Controls

- Label
- Link
- Action button
- Custom control
- Row or column
- Grid
- Groupbox
- Tab item
- Custom entity

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Links

5:21 PM 8/15/2014

Open Forms Designer

Entities: CAMA Value Override (Root)

Value Override

CAMA Value Override

Entity configuration

Attributes

Bldg Value
Board Bldg Val Ov
Board Bldg Value
Board Flag
Board Land Val Ov
Board Land Value
Board Misc Val Ov
Board Misc Value
Board Total Value
Comp Sales Value
Ending Year
Frozen Id
Income Dir Value
Income Grm Value
Land Ag Value
Land Value
Last Modif Date
Last Modif Uid
Method in use
Misc Value
Notes
Override Type
P Id
Starting Year
Year Id

Filters by system ID

Attribute	System ID
P Id	parcel id
Frozen Id	frozen id
Year Id	year id

Filters by constants

Attribute	Operator	Constant
-----------	----------	----------

Order by

Attribute	Direction
-----------	-----------

Reposition

Attribute	System ID
-----------	-----------

ID setters

Attribute	System ID
P Id	parcel id
Frozen Id	frozen id
Year Id	year id

OK Cancel

Properties

Entity tab item

Controller

Controller

MsGovern.OpenForms.Cu...
MA_ValueOverride_Contr...

Layout

Height

Horizontal alignment

Stretch

Vertical alignment

Stretch

Width

Misc

Configuration

Click to edit

Name

MA_Override

Record description

Tab sequence number

Text

CAMA Value Override

Configuration

V 6.0.0.0 - UC2013_TACOMASQL2008R2_SQL

Windows taskbar: 5:17 PM 4/15/2014

Open Forms Designer

English (Canada) Search current form

Entities CAMA Value Override (Root)

Value Override

CAMA Value Override

[Expression]	Board Bldg Value	Board Land Val Ov	Board Misc Val Ov	Board Total Value	Ending Year	Income Dir Value	Land Ag Value	Last Modif Date	Method in use	Notes	P Id	Year Id
	Board Bldg Val Ov	Board Flag	Board Land Value	Board Misc Value	Comp Sales Value	Frozen Id	Income Grm Value	Land Value	Last Modif Uid	Misc Value	Override Type	Starting Year

Properties

Label

Layout

Height

Horizontal alignment Stretch

Vertical alignment Stretch

Width

Misc

Expression if(isnull(@attrMETHOD_IN... X

Text Bldg Value

Expression

V 6.0.0.0 - UC2013_TACOMASQL2008R2_SQL

GNA

- link MA21 – Value Override to the profile

Govern New Administration (GNA)

File Options System Parameters Application Configurations Editors Utilities Windows Help

Profile Editor Global Mask Validation Editor Constant Value Editor SQL Query Editor Formula Editor Logical Expression Block Editor External Command Editor Number Format Editor System Validation Table Editor User Validation Table Editor Data Mapping Editor Resource File Editor Batch Process Definition Editor

Dynamic Search Objects
Dynamic Search Styles
Dynamic Search Groups
Dynamic Search Configuration

Profile Editor X

List of Profiles

- Appraisal - Appraisal
- DAC - Delinquency & Collections
- EP Appraisal - EP Appraisal**
- Names - Names & Address
- PC2013 - Property Control
- UC2013 - User Conference
- UC2013-Cyril - Cyril UC2013

Profile 3 Of 7

Properties Links Queries

Forms

- MA14 - Property Information
- MA21 - Value Override

Add Remove

Reports

Add Remove

A/R Subsystems

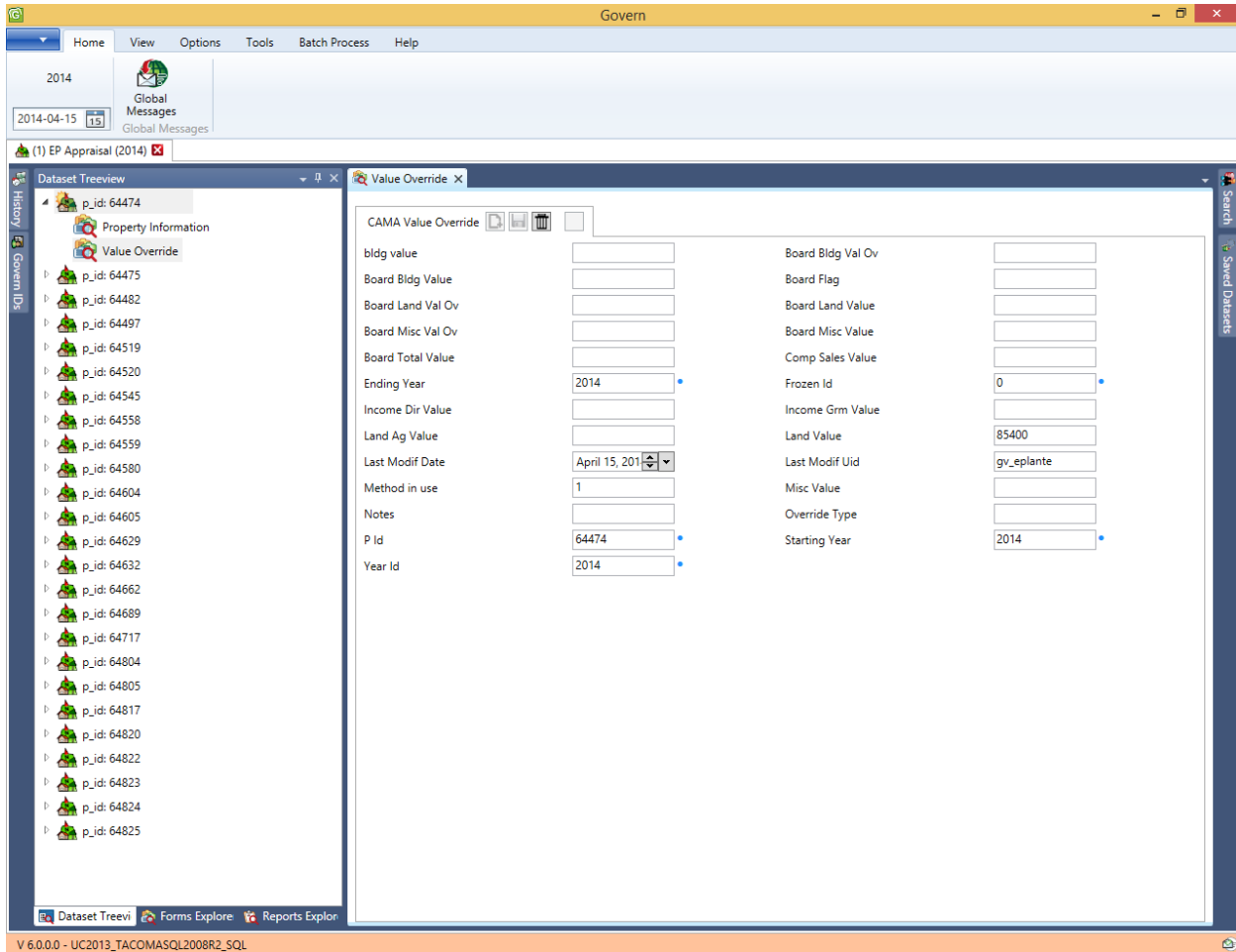
Add Remove

External Commands

Add Remove

V 6.0.1403.22 - UC2013_TACOMASQL2008R2_SQL

Govern



The screenshot shows the MSGovern application window titled 'Govern'. The interface includes a menu bar (Home, View, Options, Tools, Batch Process, Help) and a sidebar with a 'Dataset Treeview' showing a list of property IDs (p_id: 64474 to 64825). The main area displays the 'Value Override' form for p_id: 64474. The form is divided into two columns of input fields.

CAMA Value Override	
bldg value	Board Bldg Val Ov
Board Bldg Value	Board Flag
Board Land Val Ov	Board Land Value
Board Misc Val Ov	Board Misc Value
Board Total Value	Comp Sales Value
Ending Year	Frozen Id
Income Dir Value	Income Grm Value
Land Ag Value	Land Value
Last Modif Date	Last Modif Uid
Method in use	Misc Value
Notes	Override Type
P Id	Starting Year
Year Id	

At the bottom of the window, the version information is displayed: V 6.0.0.0 - UC2013_TACOMASQL2008R2_SQL.

Query

Select * from MA_OVERRIDE where p_id = @p_id and year_id = @year_id and frozen_id = @frozen_id

Select Count(*) from MA_OVERRIDE where p_id = @p_id and year_id <> @year_id and ((starting_year <= @start_year And end_year >= @start_year) Or (starting_year <= @end_year And ending_year >= @end_year))

Expression

When METHOD_IN_USE attribute value is 6 (CAMA BR), change the label from "Building Value" to "Total Value"

- **if(isnull(@attrMETHOD_IN_USE,0)='6', 'Total Value','Bldg Value')**

IET

Mobile

Security

Scenario

Case 1 : Test base record Creation.

- Select a parcel that doesn't have a record in MA_MASTER
- Click New (notice that the label of BLDG_VALUE has it's default text)
- Change some values
- Save (Notice that the New Button is disabled)

Case 2 : Test BLDG_VALUE label

- Go to MA Property Info and Create record for a Parcel with CAMA BR as METHOD_IN_USE
- Go to MA Property Info and Create record for a Parcel with something else as METHOD_IN_USE
- Select the first parcel and open MA Value Override form
- Click the New Button (Notice that the label of BLDG_VALUE is Total Value (or whatever the text the expression has when METHOD_IN_USE = 6))
- Save
- Select the second parcel and click the create button (Notice that the label of BLDG_VALUE is the default text).

Case 3 : Test Overlapping records

- Create overrides for 3 years for the same parcel with starting year and ending year that do not overlap (no question ask, it saves normally).
- Change the starting year to overlap another record and save (a question is asked, click no)
- Change the ending year to overlap another record and save (a question is asked, click yes, it saves normally)

Case 4 : Test the Daemon

- Check use_Daemon to see that created records are there

Case 5 : Test Roll Forward

- Change year for 2013
- Change a value and save
- Click Yes in the roll forward popup
- Check the result in usr_audit_trail for the parcel