2021

CNA 3.0 Known Issues and Solutions (KIS)

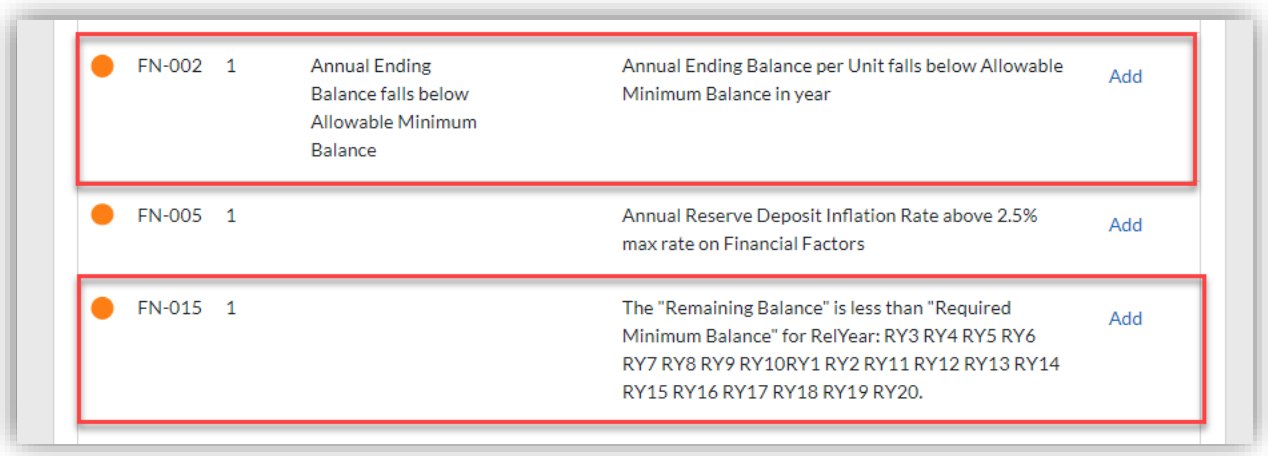
LAST UPDATED: 9/08/21

Table of Contents

Outstanding Issues

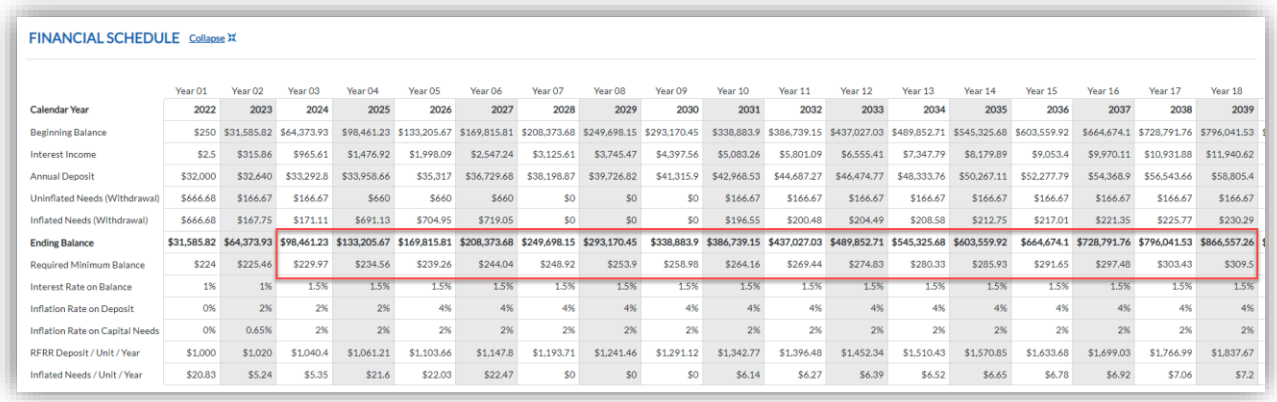
Flags: Discrepancy between Flag calculation and Financial Schedule on UI

Issue: A user reported an issue where they receive a flag stating that "Annual Ending Balance per Unit falls below Allowable Minimum Balance in year". When navigating to the Financial Schedule in the UI, the user can see that the 'Ending Balance' is each year during the estimate period is denoted correctly and is greater than the 'Required Minimum Balance' value. It was found that this discrepancy between the flag and the Financial Schedule table is caused by a difference in how the Alternative Cost is calculated in Legacy versus CNA 3.0. As flags rely on Legacy code, and therefore the Legacy Financial Calculations, the Alternative Cost is being incorrectly calculated and therefore triggering a flag that is not necessary.



FN-002	1	Annual Ending Balance falls below Allowable Minimum Balance	Annual Ending Balance per Unit falls below Allowable Minimum Balance in year	Add
FN-005	1		Annual Reserve Deposit Inflation Rate above 2.5% max rate on Financial Factors	Add
FN-015	1		The "Remaining Balance" is less than "Required Minimum Balance" for RelYear: RY3 RY4 RY5 RY6 RY7 RY8 RY9 RY10RY1 RY2 RY11 RY12 RY13 RY14 RY15 RY16 RY17 RY18 RY19 RY20.	Add

In the screenshot above the outlined flags indicate that the 'Ending Balance' value for many of the Relative Years throughout the Estimate Period is less than the 'Required Minimum Balance' value for each Relative Year.

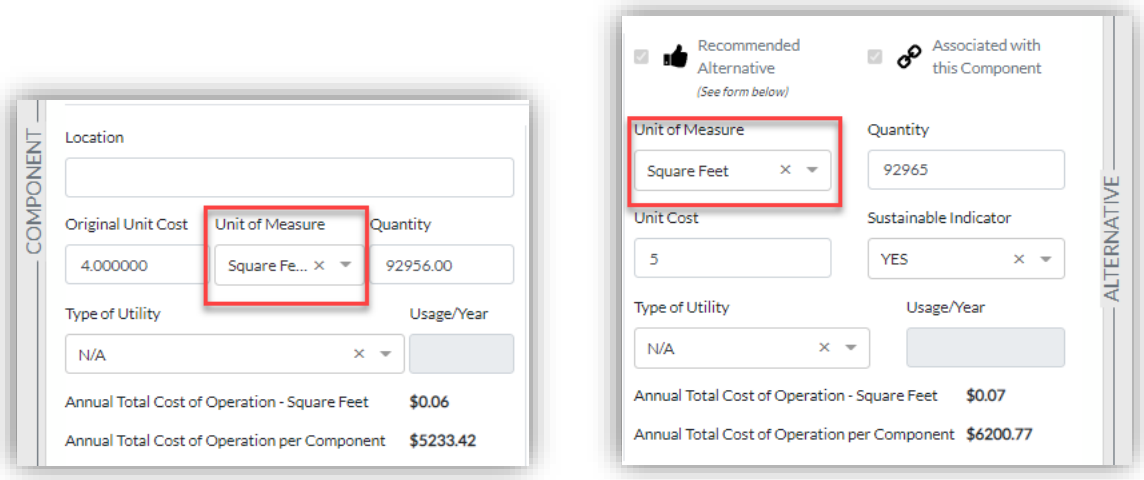


FINANCIAL SCHEDULE Collapse

	Year 01	Year 02	Year 03	Year 04	Year 05	Year 06	Year 07	Year 08	Year 09	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18
Calendar Year	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**
Beginning Balance	$250	$31,585.82	$64,373.93	$98,461.23	$133,205.67	$169,815.81	$208,373.68	$249,698.15	$293,170.45	$338,883.9	$386,739.15	$437,027.03	$489,852.71	$545,325.68	$603,559.92	$664,674.1	$728,791.76	$796,041.53
Interest Income	$2.5	$315.86	$965.61	$1,476.92	$1,998.09	$2,547.24	$3,125.61	$3,745.47	$4,397.56	$5,083.26	$5,801.09	$6,555.41	$7,347.79	$8,179.89	$9,053.4	$9,970.11	$10,931.88	$11,940.62
Annual Deposit	$32,000	$32,640	$33,292.8	$33,958.66	$35,317	$36,729.68	$38,198.87	$39,726.82	$41,315.9	$42,968.53	$44,687.27	$46,474.77	$48,333.76	$50,267.11	$52,277.79	$54,368.9	$56,543.66	$58,805.4
Uninflated Needs (Withdrawal)	$666.68	$166.67	$166.67	$660	$660	$660	$0	$0	$0	$166.67	$166.67	$166.67	$166.67	$166.67	$166.67	$166.67	$166.67	$166.67
Inflated Needs (Withdrawal)	$666.68	$167.75	$171.11	$691.13	$704.95	$719.05	$0	$0	$0	$196.55	$200.48	$204.49	$208.58	$212.75	$217.01	$221.35	$225.77	$230.29
Ending Balance	**$31,585.82**	**$64,373.93**	**$98,461.23**	**$133,205.67**	**$169,815.81**	**$208,373.68**	**$249,698.15**	**$293,170.45**	**$338,883.9**	**$386,739.15**	**$437,027.03**	**$489,852.71**	**$545,325.68**	**$603,559.92**	**$664,674.1**	**$728,791.76**	**$796,041.53**	**$866,557.26**
Required Minimum Balance	$224	$225.46	$229.97	$234.56	$239.26	$244.04	$248.92	$253.9	$258.98	$264.16	$269.44	$274.83	$280.33	$285.93	$291.65	$297.48	$303.43	$309.5
Interest Rate on Balance	1%	1%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
Inflation Rate on Deposit	0%	2%	2%	2%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Inflation Rate on Capital Needs	0%	0.65%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
RFRR Deposit / Unit / Year	$1,000	$1,020	$1,040.4	$1,061.21	$1,103.66	$1,147.8	$1,193.71	$1,241.46	$1,291.12	$1,342.77	$1,396.48	$1,452.34	$1,510.43	$1,570.85	$1,633.68	$1,699.03	$1,766.99	$1,837.67
Inflated Needs / Unit / Year	$20.83	$5.24	$5.35	$21.6	$22.03	$22.47	$0	$0	$0	$6.14	$6.27	$6.39	$6.52	$6.65	$6.78	$6.92	$7.06	$7.2

The screenshot above shows the Financial schedule for this CNA which indicates that the 'Ending Balance' value is not less than the 'Required Minimum Balance' value for any of the relative years during the estimate period.

Temporary Solution: Adjusting the unit of measure for each of the Alternatives addressed in this CNA to match the unit of measure of their associated Component will resolve this flag.



Adjusting the units of measures for each Alternative, so that it matches the associated component will resolve this flag.

Financial Calculations: Difference between Alternative Cost calculation in Legacy vs. CNA 3.0

Issue: In Legacy, The Alternative Cost is calculated by multiplying the 'component quantity' by the 'alternative cost', however in CNA 3.0, the Alternative Cost is correctly calculated by multiplying the 'alternative quantity' by the 'alternative cost'. This leads to discrepancies between Financial Calculations data which appears on the CNA 3.0 UI vs. functionality that still requires legacy code. The following areas will be impacted by this discrepancy:

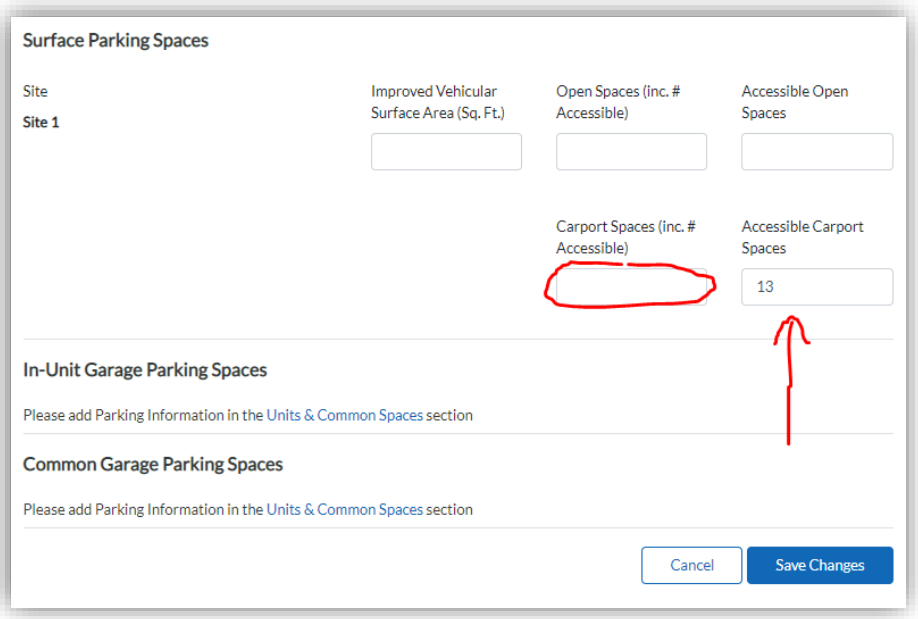
- Property Insurance Report
- Assessment Summary Report
- OBIEE Reports still in use by the business or external users

Temporary Solution: Adjusting the unit of measure for each of the Alternatives addressed in a CNA to match the unit of measure of their associated Component will fix this discrepancy.

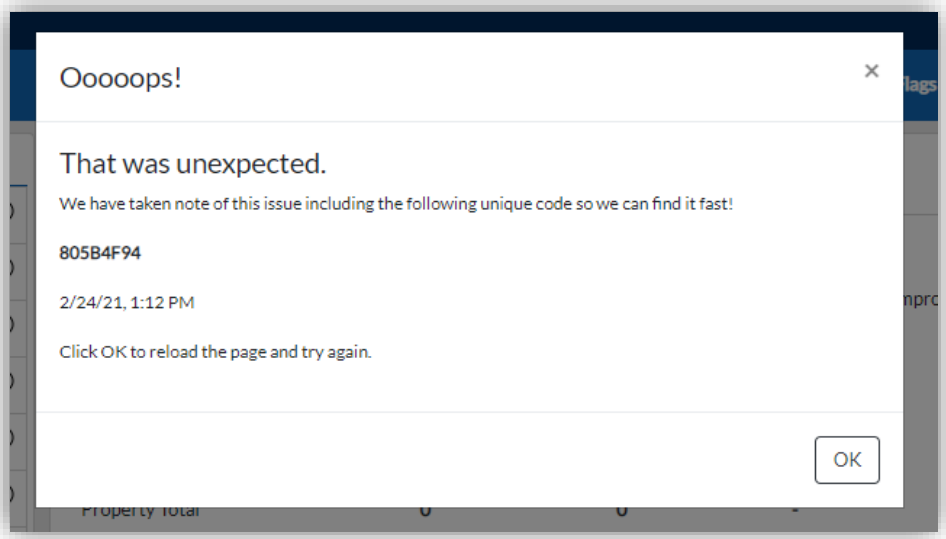
Resolved Issues

Parking: Consistent OOPS errors (Carport Parking) (Resolved)

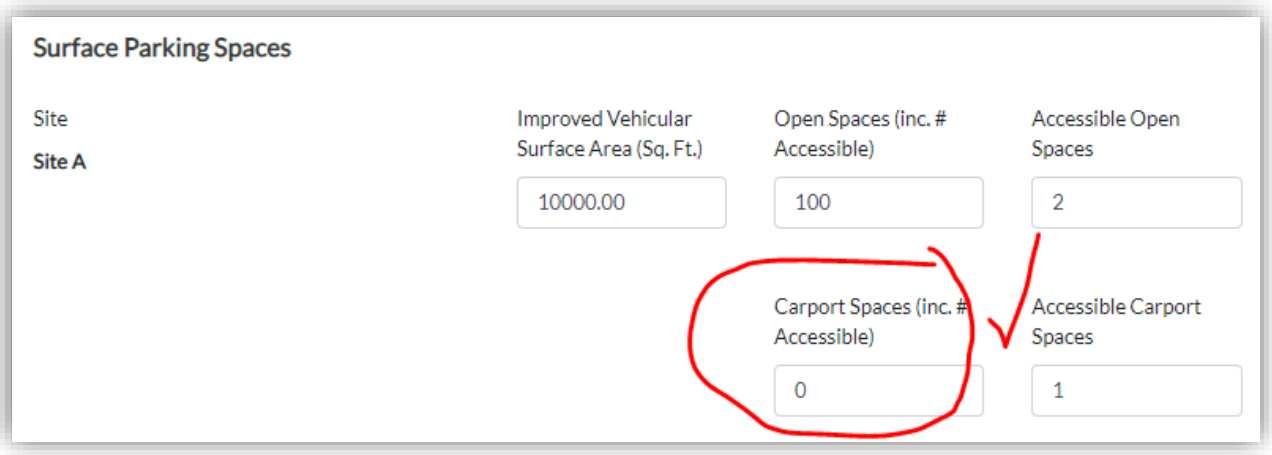
Issue: Users reported an issue where an OOPS error message continuously pops up if a user tries to save a CNA with a value in the "Accessible Carport Spaces" field and nothing in the "Carport Spaces (inc. # Accessible)" field.



In the screenshot above, the user enters "13" in the "Accessible Carport Spaces" field and leaves" Carport Spaces (inc. # Accessible)" blank. Clicking save will result in a recurring OOPS error message. Any time the user tries to click into "Parking" an OOPS error will appear.



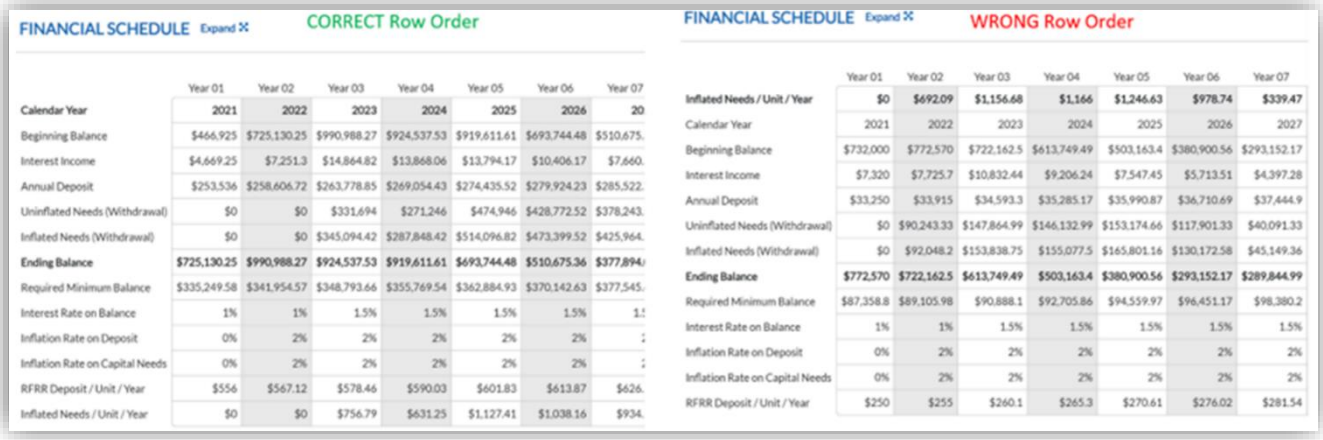
Temporary Solution: If the number of Carport Spaces is uncertain, enter "0" in the field.



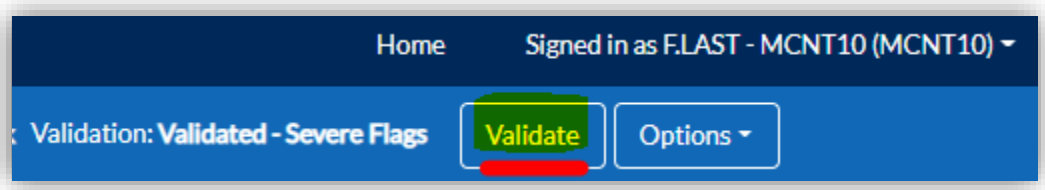
Entering "0" in the "Carport Spaces (inc. # Accessible)" will allow the form to Save with no OOPS errors.

Financial Schedule: Inconsistent Formatting (Resolved)

Issue: Users reported that the Financial Schedule tables for certain CNAs have incorrect formatting (see example below):

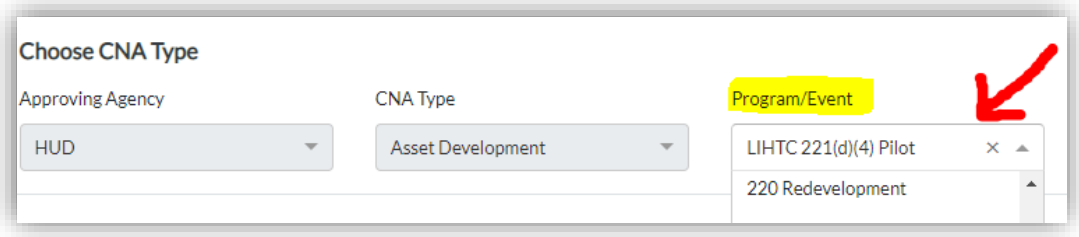


Temporary Solution: Click on the "Validate" button at the top right of the form, and the table will be fixed to the correct format.

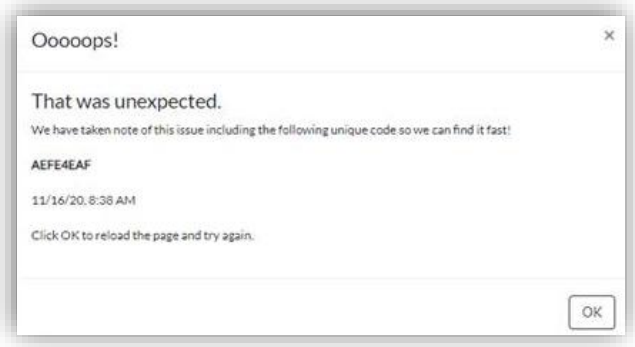


OOPS Errors when changing Program/Event (Resolved)

Issue: User reported consistently receiving OOPS errors when attempting to "Save" the CNA Summary screen after changing the "Program/Event" field.

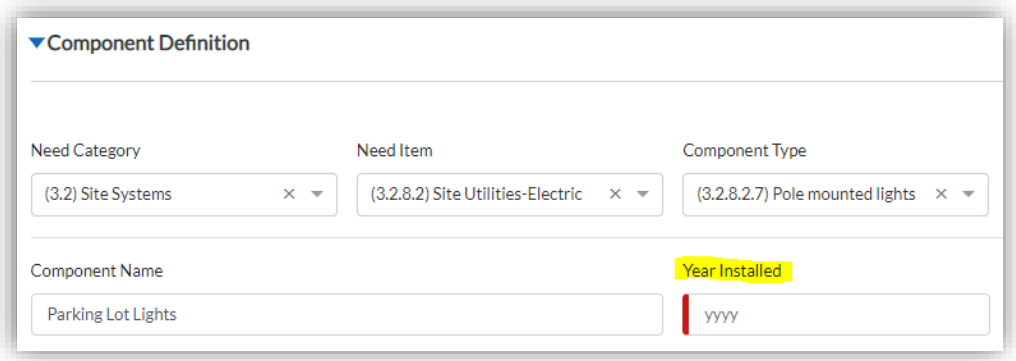


Above is the Program/Event field in the "CNA Summary" tab.



Above is what an "OOPS error" typically looks like.

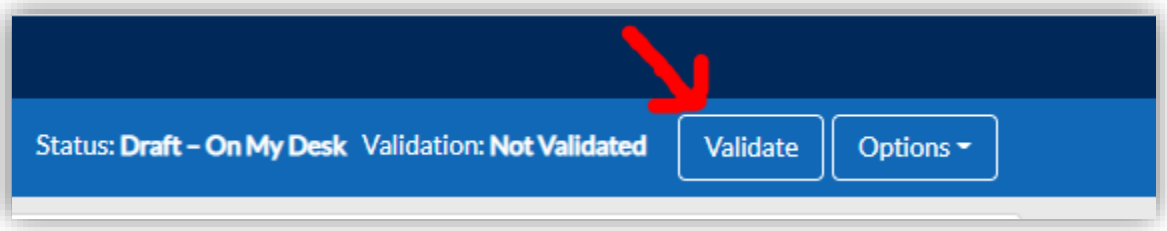
Temporary Solution: Navigate to the Components, Alternatives, and Recommendations tab, and ensure that all Components have "Year Installed" entered.

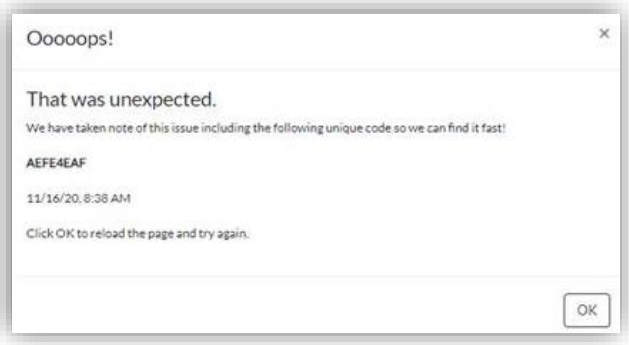


Note: If you have many Components, you can use the "Copy Data (Out)" feature to move all of the line items into Excel. Then filter for BLANK "Year Installed".

OOPS Errors when clicking "Validate" (Recommended Alternative Name too long) (Resolved)

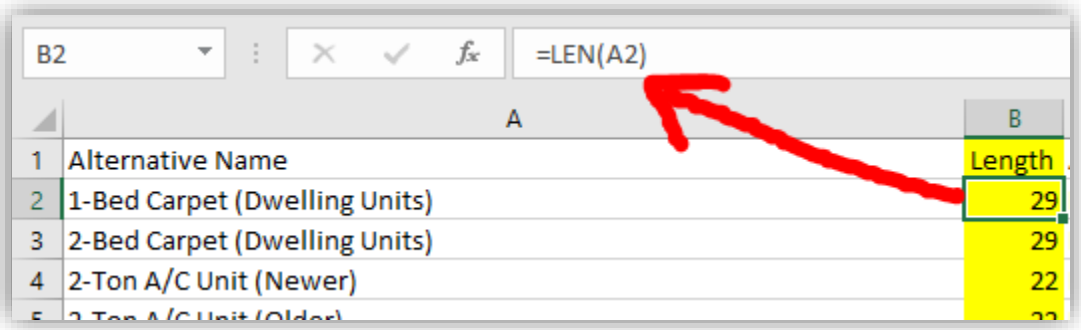
Issue: Users reported receiving consistent OOPS errors when clicking on the "Validate" button.





Temporary Solution: One of the causes of this error is having a Recommended Alternative name that is longer than 100 characters. Navigate to the Components, Alternatives, and Recommendations tab and shorten the name of any Recommended Alternative that exceeds 100 characters.

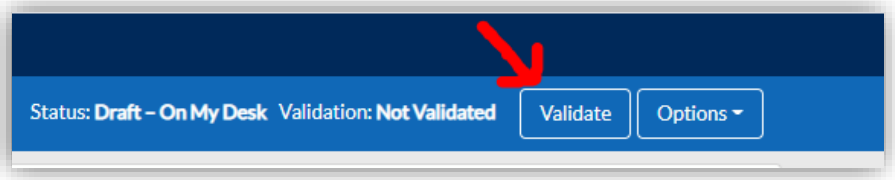
Note: You can use Copy Data (Out) on the Recommendations to see every Recommended Alternative. You can use the Excel formula "=LEN(cell)" to see the character of each Alternative Name.



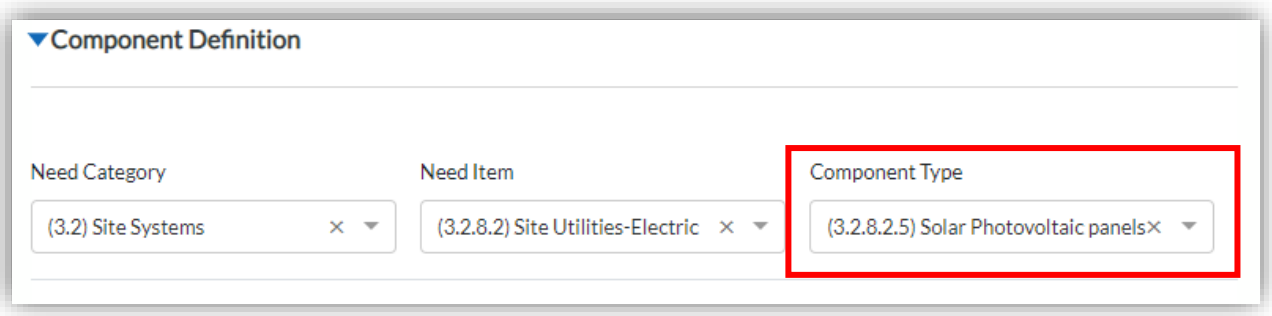
As seen above, "=LEN(A2)" is showing the COUNT of the characters in the cell A2. You can copy this formula down to see the lengths of each name. Remember to shorten any that exceed 100 characters.

OOPS Errors when clicking "Validate" (Mismatched Component Type) (Resolved)

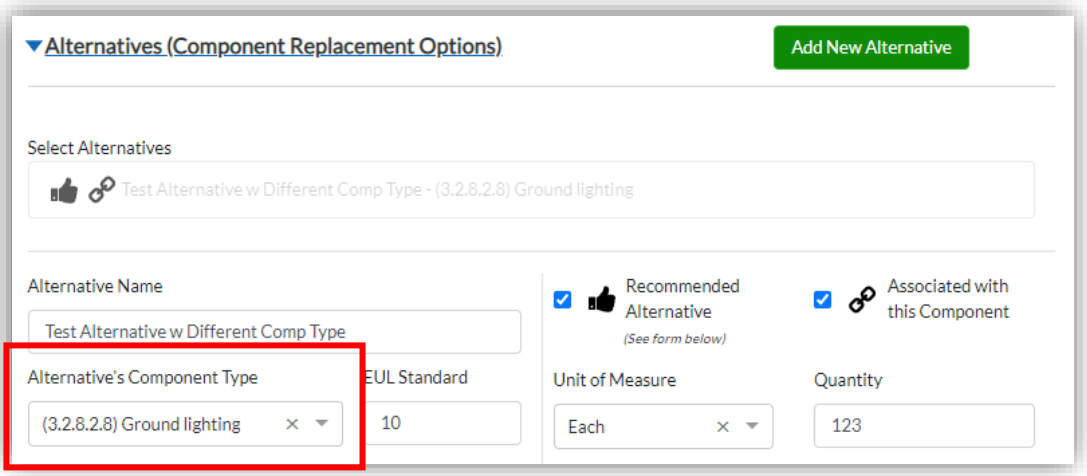
Issue: Users reported receiving consistent OOPS errors when clicking on the "Validate" button.



Temporary Solution: Another cause of this error has been found to be when the **Component Type** of a Component does not match the **Component Type** of its Recommended Alternative. The temporary workaround is to simply ensure that both Component Types are the same. See example below.



Above is a screenshot of the Component with Component Type "(3.2.8.2.5) Solar…".



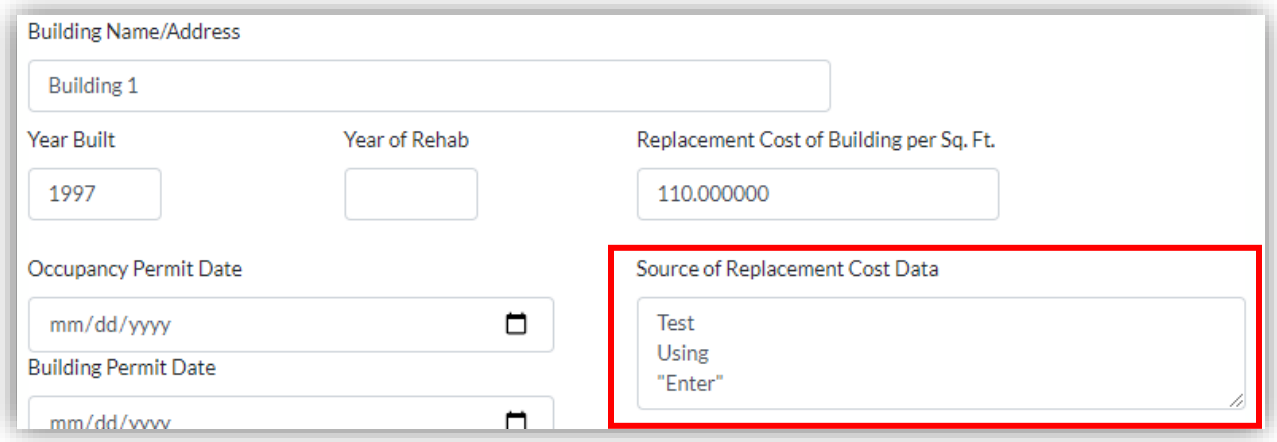
Above is a screenshot of the Alternative. Notice that the Alternative is (1) the Recommended Alternative, and (2) has a different Component Type, "(3.2.8.2.8) Ground lighting", from the Component.

In the example above, setting the Alternative's Component Type to "(3.2.8.2.5) Solar Photovoltaic panels" will resolve the issue.

Copy/Paste "Enter" key in free text fields (Resolved)

Issue: Users have found a bug while using the "Copy Data (Out)" feature that causes strange formatting in Excel. In any free text field (typically comments or explanation fields), if the User inputs the "Enter" key to create a new paragraph, when copying the data out into Excel, the Excel spreadsheet will receive the inputted "Enter" key the same as hitting "Enter" in Excel, thus creating a whole new line.

See the example below with "Source of Replacement Cost Data" in the Buildings tab.



The screenshot above shows a User typing into the free text field "Source of Replacement Cost Data" using the "Enter" key to create new lines/paragraphs. Next, we will Copy Data (Out) into an Excel spreadsheet.

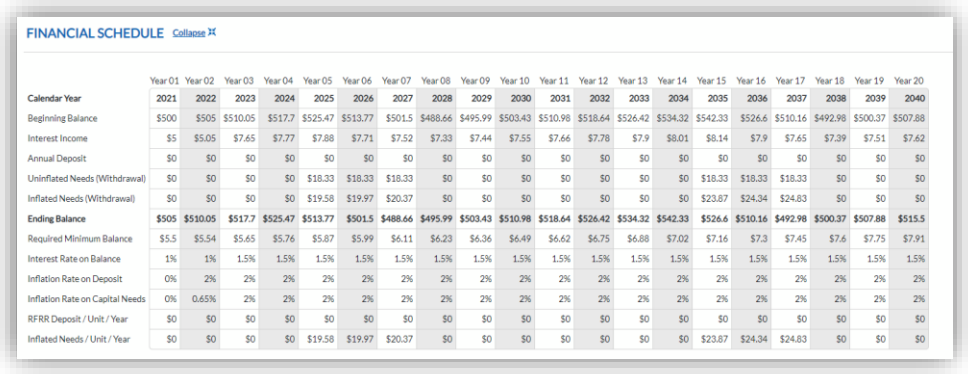
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Building Name/Address	Site Name	Replacem	Accessory	Total Buil	Total Fauc	Total Toile	Total Sho	Total Resi	Year Built	Year of Re	Fair Housi	Occupanc	Building P	Replacem	Source of
2	Building 1	Trindale A	1742070	No	15837	68	28	28	15376	1997		Yes			110	Test
3	Using															
4	Enter	Walk-up	3	0	0	N/A	Slab on Grade		Wood Frame		Wood Trusses					

As seen above, when the data has been copy/pasted into Excel, the text "Test Using "Enter"" will create a new line/row in Excel every time the "Enter" key is used.

Temporary Solution: Until the fix has been implemented, the recommendation is to avoid using the "Enter" key in free text fields that are commonly used with Copy/Paste.

Units added to a Building through Copy/Paste not showing up in Financial Schedule (Resolved)

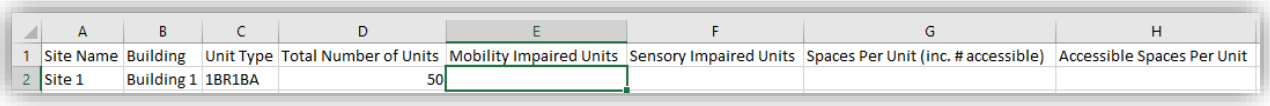
Issue: Users have reported that after pasting in Units (in Units & Common Spaces) to be tied to a specific Building, the numbers in the Financial Schedule table will not update, even if the user presses "Validate".



FINANCIAL SCHEDULE Collapse

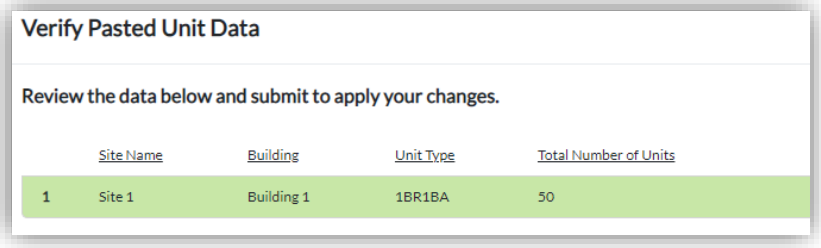
	Year 01	Year 02	Year 03	Year 04	Year 05	Year 06	Year 07	Year 08	Year 09	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20
Calendar Year	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**
Beginning Balance	$500	$505	$510.05	$517.7	$525.47	$513.77	$501.5	$488.66	$495.99	$503.43	$510.98	$518.64	$526.42	$534.32	$542.33	$526.6	$510.16	$492.98	$500.37	$507.88
Interest Income	$5	$5.05	$7.65	$7.77	$7.88	$7.71	$7.52	$7.33	$7.44	$7.55	$7.66	$7.78	$7.9	$8.01	$8.14	$7.9	$7.65	$7.39	$7.51	$7.62
Annual Deposit	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Uninflated Needs (Withdrawal)	$0	$0	$0	$0	$18.33	$18.33	$18.33	$0	$0	$0	$0	$0	$0	$0	$18.33	$18.33	$18.33	$0	$0	$0
Inflated Needs (Withdrawal)	$0	$0	$0	$0	$19.58	$19.97	$20.37	$0	$0	$0	$0	$0	$0	$0	$23.87	$24.34	$24.83	$0	$0	$0
Ending Balance	**$505**	**$510.05**	**$517.7**	**$525.47**	**$513.77**	**$501.5**	**$488.66**	**$495.99**	**$503.43**	**$510.98**	**$518.64**	**$526.42**	**$534.32**	**$542.33**	**$526.6**	**$510.16**	**$492.98**	**$500.37**	**$507.88**	**$515.5**
Required Minimum Balance	$5.5	$5.54	$5.65	$5.76	$5.87	$5.99	$6.11	$6.23	$6.36	$6.49	$6.62	$6.75	$6.88	$7.02	$7.16	$7.3	$7.45	$7.6	$7.75	$7.91
Interest Rate on Balance	1%	1%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
Inflation Rate on Deposit	0%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Inflation Rate on Capital Needs	0%	0.65%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
RFRR Deposit / Unit / Year	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Inflated Needs / Unit / Year	$0	$0	$0	$0	$19.58	$19.97	$20.37	$0	$0	$0	$0	$0	$0	$0	$23.87	$24.34	$24.83	$0	$0	$0

Above is a screenshot of the 'Financial Schedule' table before tying a Unit count to a Building through Copy/Paste.



	A	B	C	D	E	F	G	H
1	Site Name	Building	Unit Type	Total Number of Units	Mobility Impaired Units	Sensory Impaired Units	Spaces Per Unit (inc. # accessible)	Accessible Spaces Per Unit
2	Site 1	Building 1	1BR1BA	50				

Next, we added 50 "1BR1BA" units to "Building 1" in the Units & Common Spaces tab through Copy/Paste.

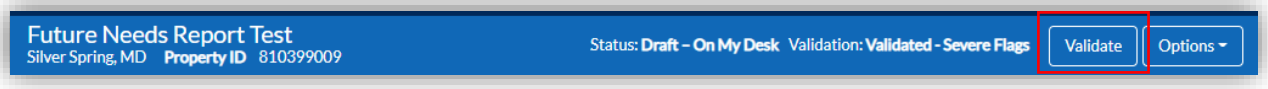


Verify Pasted Unit Data

Review the data below and submit to apply your changes.

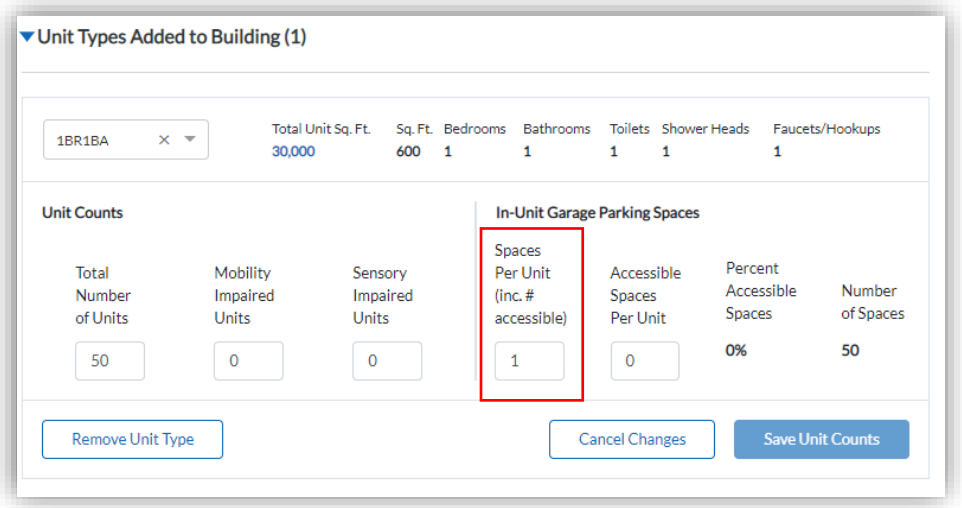
	Site Name	Building	Unit Type	Total Number of Units
1	Site 1	Building 1	1BR1BA	50

Above is the verification screenshot that the data pasted in correctly. After adding the Units, Users reported that clicking the "Validate" button will have no effect on the Financial Schedule/Estimate Period Recap table numbers.



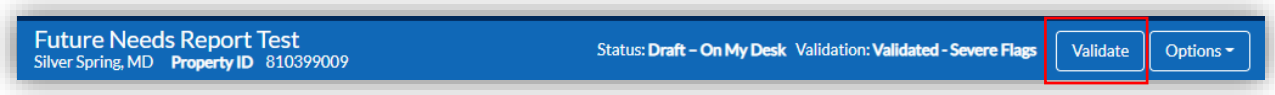
Future Needs Report Test
Silver Spring, MD **Property ID** 810399009
Status: **Draft – On My Desk** Validation: **Validated - Severe Flags** Validate Options

Temporary Solution: Users must make a change to the "Unit Types Added to Building" through the User Interface, click save, and then Validate again.



Using the example from before, navigating to the "Units & Common Spaces", we can find the 50 units we added to Building 1. The User must then make a change to one of the fields (in this example, we added "1" to "Spaces Per Unit"), then press "Save Unit Counts".

**Note: After saving, revert to the original value (in the example above, changing "Spaces Per Unit" back to "0") and then press "Save Unit Counts" again.*



*Press **Validate** again, then navigate back to the Financial Schedule & Estimate Period Recap.*

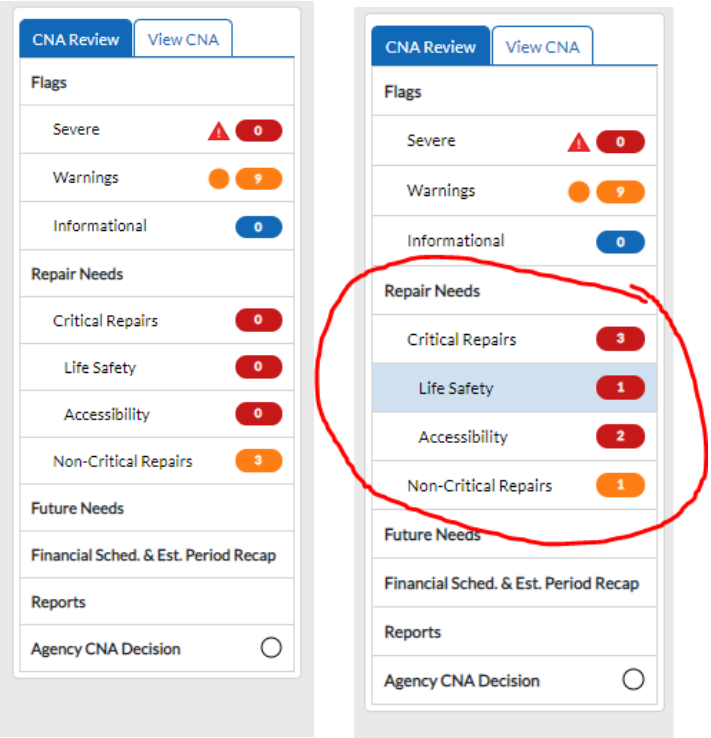
FINANCIAL SCHEDULE Collapse

	Year 01	Year 02	Year 03	Year 04	Year 05	Year 06	Year 07	Year 08	Year 09	Year 10	Year 11	Year 12	Year 13	Year 14
Calendar Year	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**
Beginning Balance	$500	$50,505	$102,010.05	$155,560.2	$210,954	$268,220.34	$327,427.72	$388,626.88	$451,890.57	$517,251.9	$584,765.3	$654,486.51	$726,472.52	$800,781.7
Interest Income	$5	$505.05	$1,530.15	$2,333.4	$3,164.31	$4,023.31	$4,911.42	$5,829.4	$6,778.36	$7,758.78	$8,771.48	$9,817.3	$10,897.09	$12,011.73
Annual Deposit	$50,000	$51,000	$52,020	$53,060.4	$54,121.61	$55,204.04	$56,308.12	$57,434.28	$58,582.97	$59,754.63	$60,949.72	$62,168.72	$63,412.09	$64,680.33
Uninflated Needs (Withdrawal)	$0	$0	$0	$0	$18.33	$18.33	$18.33	$0	$0	$0	$0	$0	$0	$0
Inflated Needs (Withdrawal)	$0	$0	$0	$0	$19.58	$19.97	$20.37	$0	$0	$0	$0	$0	$0	$0
Ending Balance	**$50,505**	**$102,010.05**	**$155,560.2**	**$210,954**	**$268,220.34**	**$327,427.72**	**$388,626.88**	**$451,890.57**	**$517,251.9**	**$584,765.3**	**$654,486.51**	**$726,472.52**	**$800,781.7**	**$877,473.75**
Required Minimum Balance	$5.5	$5.54	$5.65	$5.76	$5.87	$5.99	$6.11	$6.23	$6.36	$6.49	$6.62	$6.75	$6.88	$7.02
Interest Rate on Balance	1%	1%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
Inflation Rate on Deposit	0%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Inflation Rate on Capital Needs	0%	0.65%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
RFRR Deposit / Unit / Year	$1,000	$1,020	$1,040.4	$1,061.21	$1,082.43	$1,104.08	$1,126.16	$1,148.69	$1,171.66	$1,195.09	$1,218.99	$1,243.37	$1,268.24	$1,293.61
Inflated Needs / Unit / Year	$0	$0	$0	$0	$0.39	$0.4	$0.41	$0	$0	$0	$0	$0	$0	$0

Above is a screenshot of the 'Financial Schedule' table after the 50 Units have been added to the "Total Unit Count".

Flag/Repair Needs count showing incorrectly in Validation (Resolved)

Issue: Users have reported that on occasion the Flag or Repair Needs counts in the Validation tab are showing incorrectly.

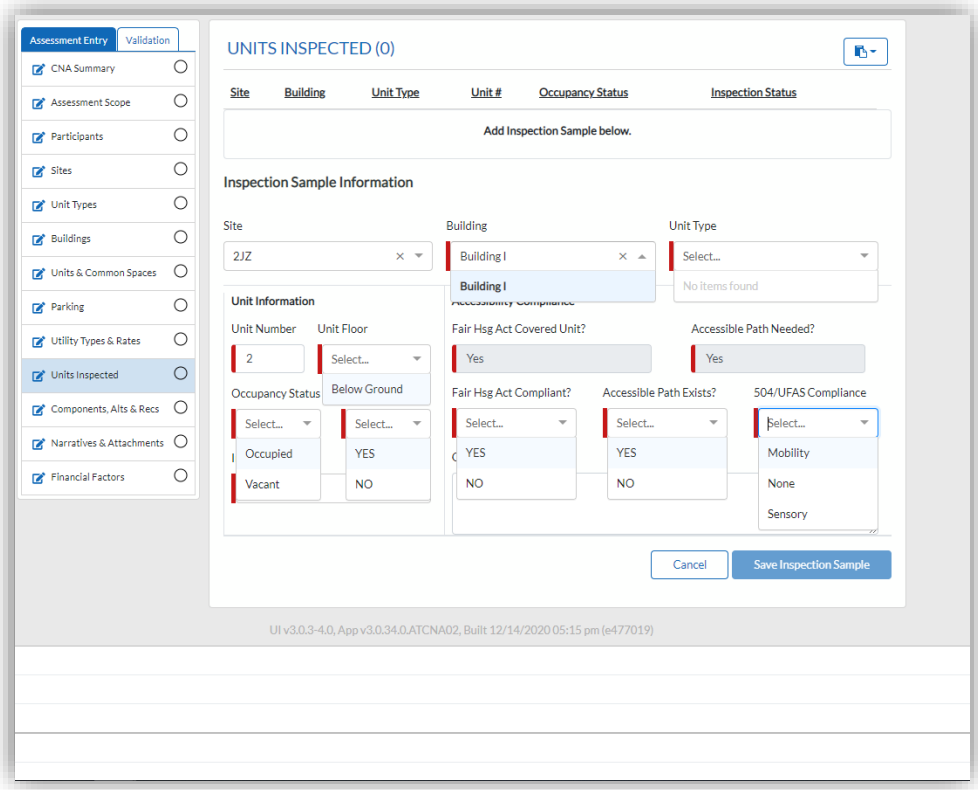


As shown above, the numbers under the "Repair Needs" section of the Validation tab will sometimes update after the user has clicked into one of the tabs. The image on the left shows "0" for the Critical Repairs tabs; however, after clicking into the "Life Safety" tab, the numbers refresh showing that there are a total of "3" Critical Repairs.

Temporary Solution: The numbers that the tabs update to after clicking into the tabs are the correct numbers. As a result, we recommend clicking into one of the Flags tabs and one of the Repair Needs tabs to ensure the numbers have refreshed correctly.

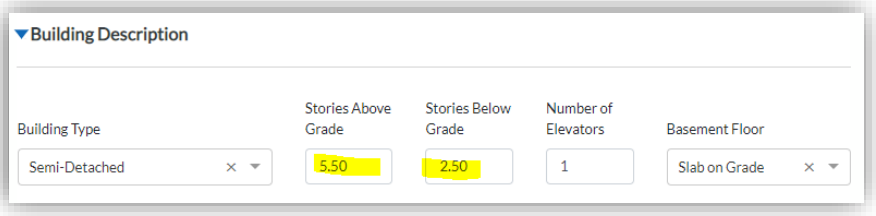
"Units Inspected" Page Crashing (Resolved)

Issue: Users reported an issue where the "Units Inspected" page fails to load properly. The page will seemingly crash and will not respond to the User's inputs. There are also typically horizontal lines that can be seen on the bottom of the screen.



As seen above, the Units Inspected page has completely crashed. All of the dropdowns remain opened, the user cannot save, and the horizontal lines at the bottom of the page have appeared.

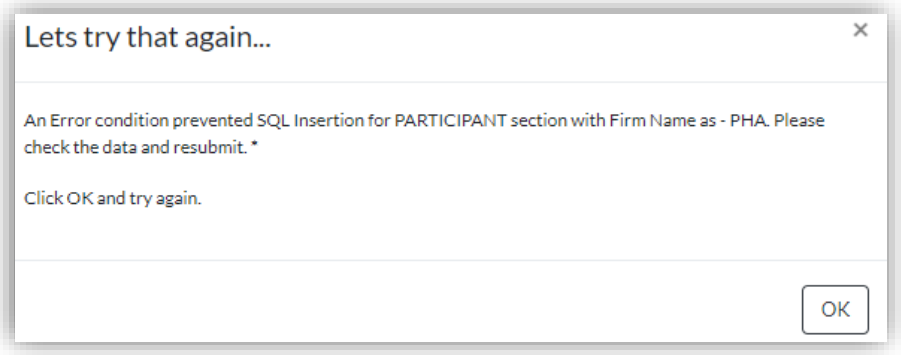
Temporary Solution: The root cause of this issue is the usage of decimals for the "Stories Above Grade" and "Stories Below Grade" fields (found in the "Buildings" tab). If the User has a Building with decimals on either of those two fields, the Units Inspected page will crash if attempting to create an inspection sample. The simple solution is to avoid using decimals for those two fields until the fix has been implemented.



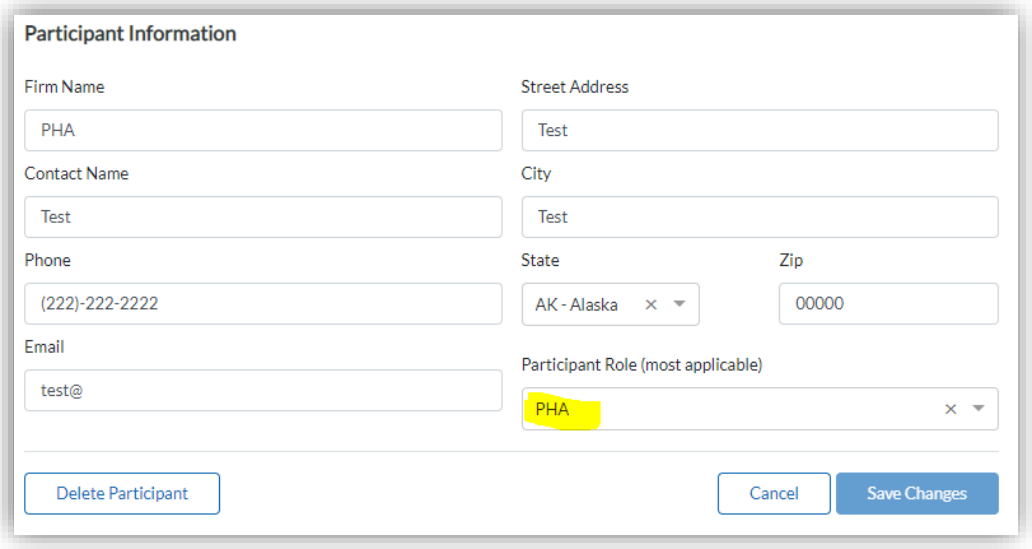
This screenshot shows the Stories Above Grade and Below grade with decimals. This caused the Units Inspected page to barf in the example shown above.

Validate: SQL Insertion Error from "Participants" (Resolved)

Issue: Users receive the error below when clicking the "Validate" button.

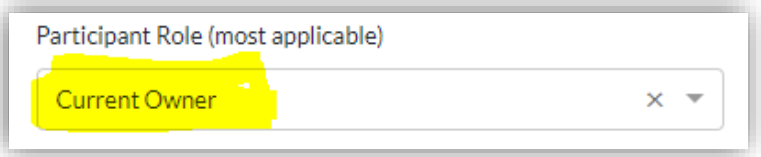


The root cause of this issue is trying to validate a CNA that has one or more Participants being listed as "PHA" or "PAE" in the "Participants" tab.



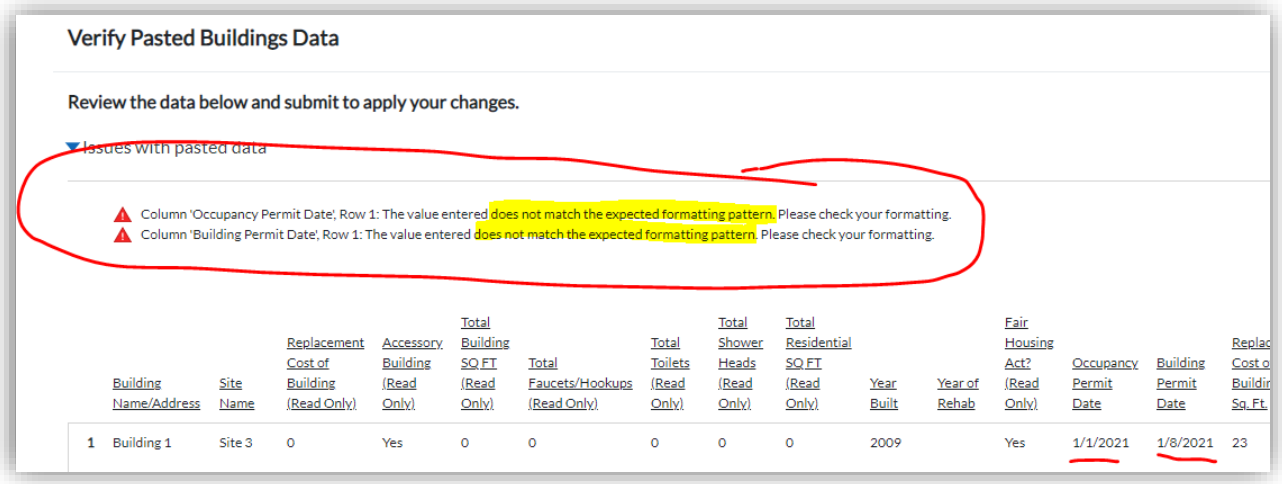
The error from the first screenshot was caused by the Participant in the screenshot shown above.

Temporary Solution: For all PHA/PAE Participants, use the Participant Role: "**Current Owner**" until the fix has been implemented.



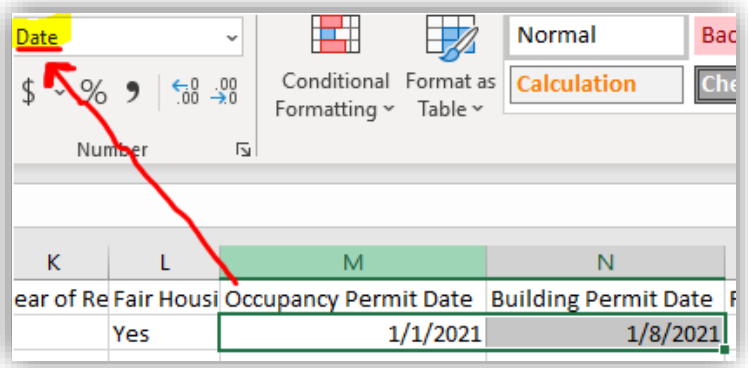
Copy/Paste issues with Occupancy Permit Date & Building Permit Date (Resolved)

Issue: Users are currently unable to **Paste** data from Excel into the Buildings screen if there is an "Occupancy Permit Date" or a "Building Permit Date" in the table. The error below will appear:



As seen in the screenshot above, an Issue with the pasted data will appear stating that the value entered 'does not match the expected formatting pattern'.

Temporary Solution: This issue is caused by a mismatch between the date formatting that is used by Excel and the date formatting that is acceptable by the "Paste (In)" feature for these two fields. The 3.0 application is expecting the format "YYYY-MM-DD".

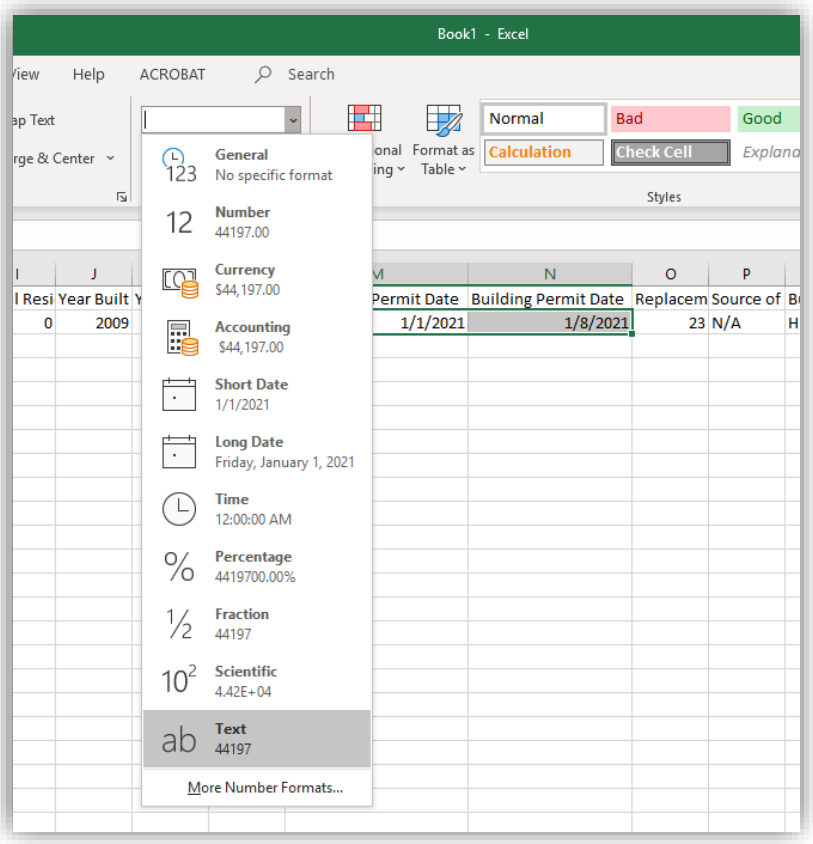


Note that the Occupancy Permit Date and Building Permit Dates from Excel are in the format "MM/DD/YYYY". Therefore, it fails Paste and will produce an "Issue with pasted data".

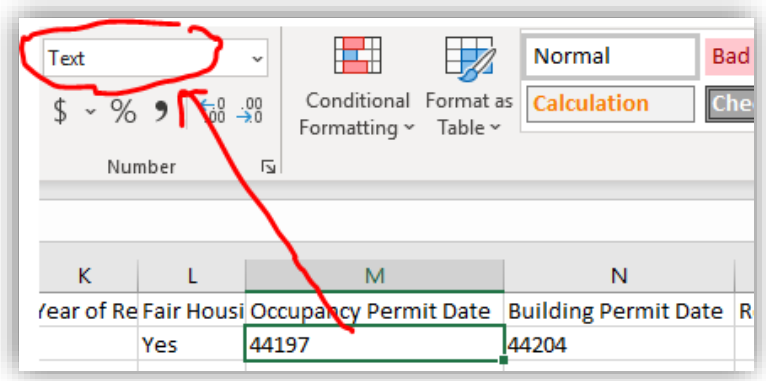
If a user wants to enter Occupancy Permit Date/Building Permit Date, there are two options for temporary workarounds while the fix is being developed by the application team.

Option 1: Change the date format in Excel to match the format accepted by CNA 3.0.

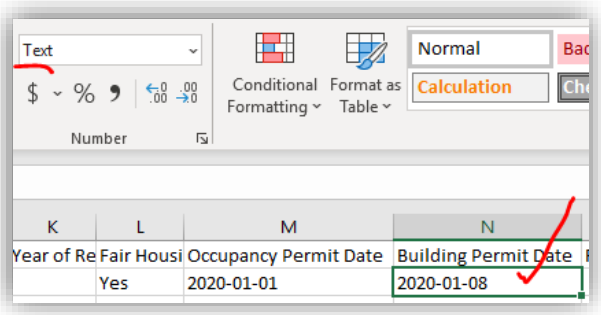
The first step would be to update the Field Types for the “Occupancy Permit Date” and “Building Permit Date” fields from “Date” to “Text”.



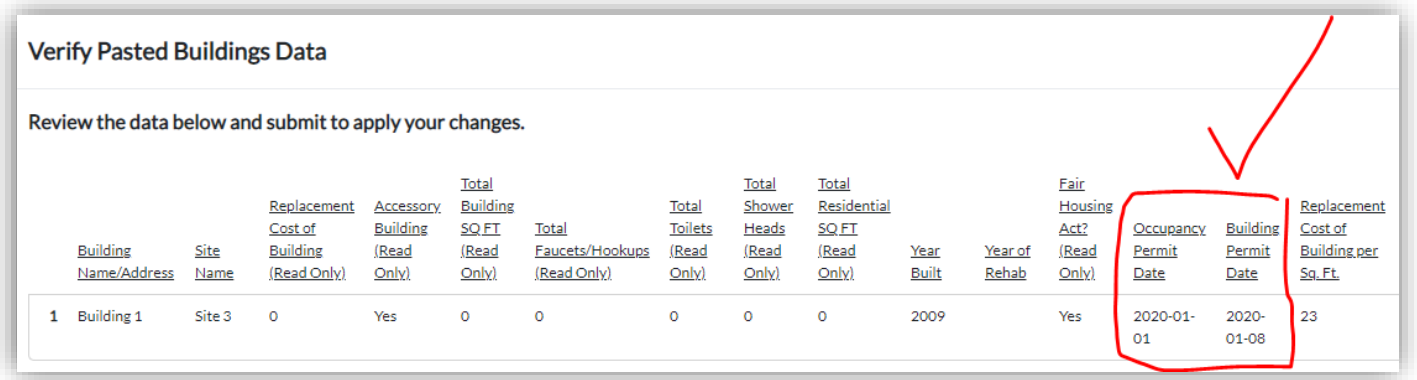
Highlight the cells that need to have the format changed, then click on the dropdown and update the field type from “Date” to “Text”. This will convert the fields to text fields.



Then manually enter the dates desired using the format “YYYY-MM-DD” (Note: you **must** use a dash ‘-‘ instead of a slash ‘/’)

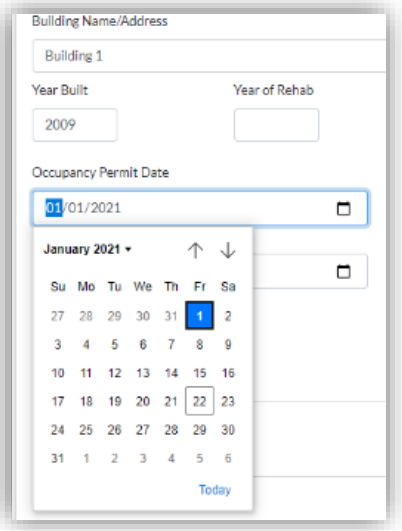


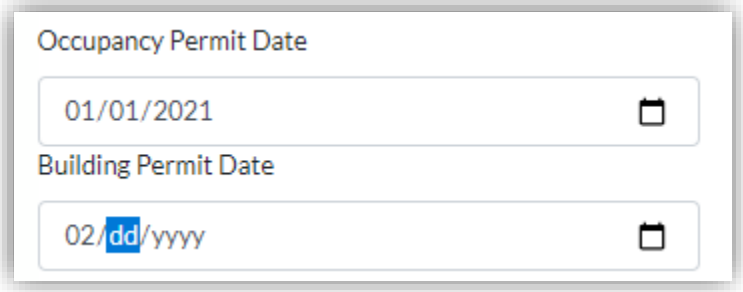
After you have completed the step above, copy and paste the data back into the UI. The system will now accept the pasting of this data.



Option 2: Use the UI to enter "Occupancy Permit Date" and "Building Permit Date"

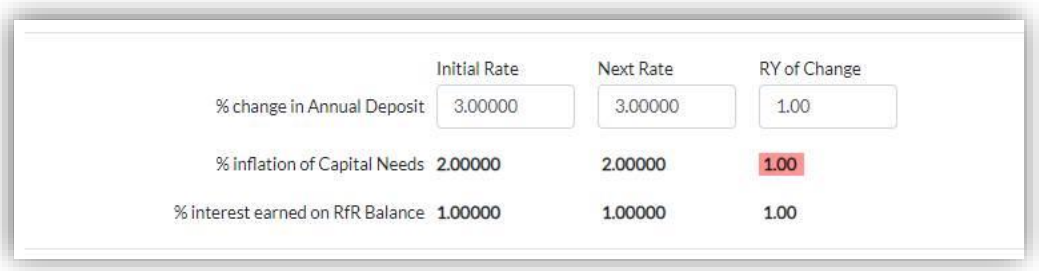
The second option is to manually enter these dates into the UI using the calendar widget (see screenshot below on left). You can also choose to type the dates into the UI directly (see screenshot below on right).



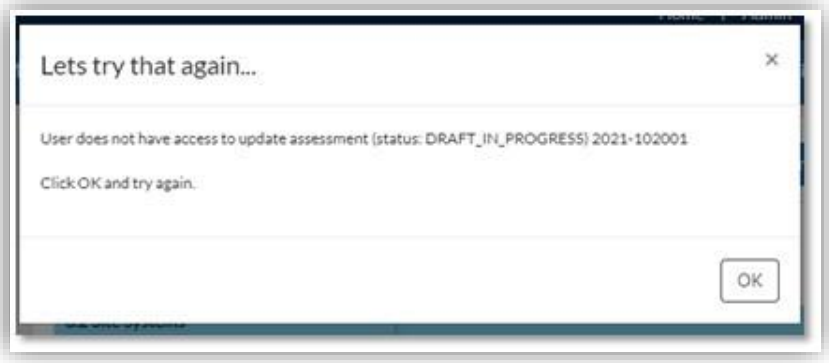


Validation: Error pop-up when % Inflation of Capital Needs – RY of Change set to 1

Issue: Users reported an issue where they receive an error when attempting to validate CNAs which have a % Inflation of Capital Needs RY of Change set to 1.



In the screenshot above, a user created a new version of a legacy CNA which had a % Inflation of Capital Needs RY of Change value set to 1. When a user clicks 'Validate' for this CNA, they will receive an error message.



Temporary Solution: A SQL query was written to update the RY of Change value from 1 to 3 for all CNA's that are in 'Draft' or 'Returned' status that have a % Inflation Capital Needs – RY of Change value of 1 and the same Initial and Next Rates. If new CNAs are created with a % Inflation Capital Needs – RY of Change value set to 1, and the Initial and Next rates are the same, the same SQL query can be run to allow the user to 'Validate' these CNAs.

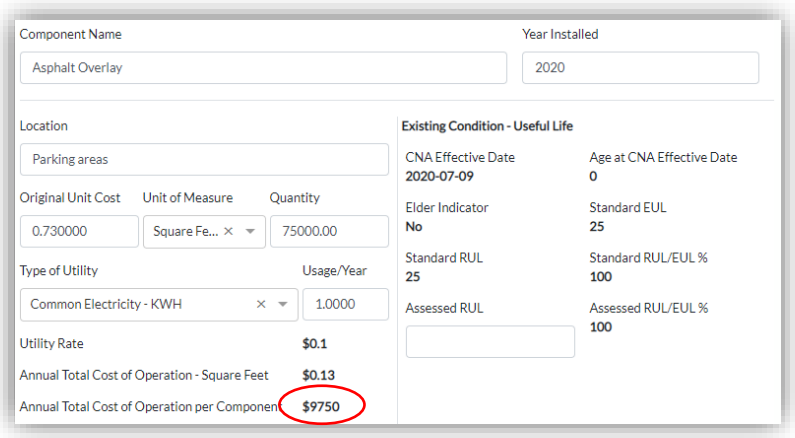
Validation: Error pop-up when Standard EUL for alternative set to 0

Issue: Users reported an issue where they receive a 502 Proxy Timeout error when validating a CNA in which the Standard EUL value for a selected alternative was edited by the user to be equal to 0.

Temporary Solution: A SQL query was written to update the Standard EUL value for alternatives for all CNAs in production which have alternatives with a Standard EUL value which has been edited to equal 0 to the default Standard EUL value for that alternative component type.

TCO Calculation Discrepancy: Export vs. CNA User Interface (Resolved)

Issue: The TCO fields in the "Components" section have a discrepancy between the values found in Export and the UI.



*The Annual Total Cost of Operation (TCO) per Component in the UI shows $**9750** for the component "Asphalt Overlay".*

	A	B	C	D	E	F	G	H	V	W
1	Component Name	Need Categor	Need Ite	Compone nt Type	Year Installec	Locatior	Original Unit Cos	Unit of Measure	Annual Total Cost of Operation - Each (Read Only)	Annual Total Cost of Operation per Component (Read Only)
2	Air Handler - Common Area (Lg)	(3.4) Mech	(3.4.3.1) D	(3.4.3.1.3)	2020	Clubhouse	854.75	Each	42.74	42.74
3	Air Handler - Common Area (Sm)	(3.4) Mech	(3.4.3.1) D	(3.4.3.1.3)	2020	Leasing Of	620.51	Each	31.03	31.03
4	Air Handler - Dwelling Unit (1.5-to	(3.4) Mech	(3.4.3.1) D	(3.4.3.1.3)	2020	Dwelling ur	620.51	Each	31.03	1675.38
5	Air Handler - Dwelling Unit (2-ton)	(3.4) Mech	(3.4.3.1) D	(3.4.3.1.3)	2020	Dwelling ur	637.77	Each	31.89	1721.98
6	Aluminum Fascia	(3.3) Buildi	(3.3.4.3) R	(3.3.4.3.4)	2020	Buildings	2.89	Square Fe	0.14	196.09
7	Asphalt Overlay	(3.2) Site S	(3.2.4) Pav	(3.2.4.1) A	2020	Parking are	0.73	Square Fe	0.13	9690
8	Asphalt Sealing and Striping	(3.2) Site S	(3.2.4) Pav	(3.2.4.2) A	2020	Parking are	0.24	Square Fe	0.05	3600
9	Balconies	(3.3) Buildi	(3.3.2.7) E	(3.3.2.7.7)	2020	Dwelling ur	467.5	Each	18.7	299.2

*The same CNA exported into Excel shows an "Annual TCO per Component" of $**9690** for the same Component "Asphalt Overlay". That is a discrepancy of $60.*

The difference in the cost comes from the UI rounding issue. It takes the "Annual Total Cost of Operation – Square Feet" and multiplies it by the Quantity:

$0.13 * 75,000 = **$9,750**

The exported value does not round until the very end. It uses the full equation to find its value and then rounds at the end: [(Unit Cost/[Current Age + Assessed RUL]) + (Usage * Utility Rate)] * Quantity

[(.73 / [0+25]) + (1*.1)] * 75,000 = [(0.0292)+(.1)] * 75,000 = **$9,690**

Temporary Solution: For the *most accurate* value of "Annual TCO per Component", we recommend exporting the CNA so that the dollar is not rounded until the very end.