

CNA e-Tool v 3.2

Repair Needs Analysis

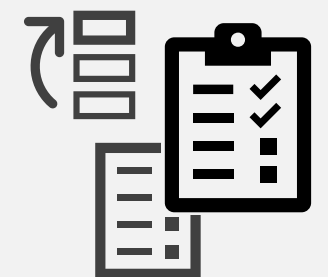
Office of Multifamily Housing Programs
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What do I need to know?

CNA e-Tool Release 3.2 (v3.2) adds a new screen with a table that compares up to three versions of the Repairs Lists.

Users can create alternate Repair Lists by selecting different sets of Alternatives for the Components in need of repair & replacements.



New: Repair Needs Analysis

New Screen Tab & Repair List Comparison Table

The purpose of this new Repair List Comparison Table is to create multiple versions of Critical and Non-Critical Repair Lists and compare their total costs and annual utility consumption.

- You can access this new screen by clicking on the “Repair Needs Analysis” tab located below the “Components, Alts & Recs” tab on the sidebar.

Design & Construction	
<input checked="" type="checkbox"/> Sites	<input type="radio"/>
<input checked="" type="checkbox"/> Buildings	<input type="radio"/>
<input checked="" type="checkbox"/> Unit Types	<input type="radio"/>
<input checked="" type="checkbox"/> Units & Common Spaces	<input type="radio"/>
<input checked="" type="checkbox"/> Parking	<input type="radio"/>
<input checked="" type="checkbox"/> Components, Alts & Recs	<input type="radio"/>
<input checked="" type="checkbox"/> Repair Needs Analysis	<input type="radio"/>

REPAIR NEEDS ANALYSIS

REPAIR LIST COMPARISON TABLE

Repair	Total \$ (D)	Annual Energy Usage in kbtu (D)	Annual Water Usage in Gal. (D)	Annual Total Utility \$ (D)	Annual TCO for all Comps. \$ (D)
Proposed List	\$1,207,155.05	3,412	100	\$1,575	\$102,733.20
<input type="checkbox"/> Repair List 1	\$1,207,155.05 (\$0.00)	3,412 (0)	100 (0)	\$1,575 (\$0)	\$102,733.20 (\$0.00)
<input type="checkbox"/> Repair List 2	\$1,216,322.88 (\$9,167.83)	2,559 (-853)	50 (-50)	\$1,150 (-\$425)	\$93,390.89 (-\$9,342.31)
<input type="checkbox"/> Repair List 3	\$1,324,419.50 (\$117,264.45)	4,094.40 (682.40)	100 (0)	\$1,865 (\$290)	\$109,003.41 (\$6,270.21)

Composing Alternate Repair Lists

You can create up to three versions of the Repairs Lists by clicking on the “Repair List #” link on the table.

- A pop-up window will display the Components and their Alternatives that you can choose.
- This selectable list is divided into Critical Repair Components and Non-Critical Repair Components.
- The combination of selected Alternatives will compose that version of the Repair List.

CRITICAL REPAIR COMPONENTS		NON-CRITICAL REPAIR COMPONENTS			
<input type="checkbox"/> Replace split system for apartment building common areas.	\$7,898.51	0	0	0	\$0
Operable windows now	\$7,332.95	0	0	0	\$0
<input checked="" type="checkbox"/> Replace five operable aluminum-framed insulated windows repair 38 windows.	\$7,332.95	0	0	0	\$0
<input type="checkbox"/> Triple-pane Window	\$7,332.95	-341.20	0	0	-\$145
HVAC installation drywall repairs	\$924.38	0	0	0	\$0
<input checked="" type="checkbox"/> Repair costs associated with drywall installation	\$924.38	0	0	0	\$0
Split system 1.5 ton	\$235,262.94	0	0	0	\$0
<input type="checkbox"/> Replace split system for all apartment dwelling units	\$235,262.94	0	0	0	\$0
Split system 2 ton	\$76,212	0	0	0	\$0
<input type="checkbox"/> Replace split system for bungalow dwelling units	\$76,212	0	0	0	\$0

New: Repair Needs Analysis

Selecting a Repair List to as the "Proposed List"

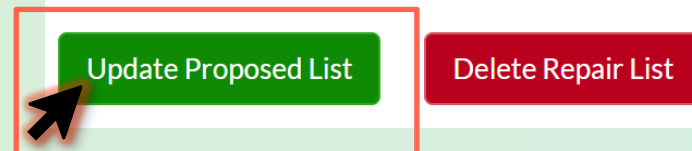
Repair Needs List Updated

Selected Alternatives Updated

You can select any one of the three Repair Lists as the "Proposed List" by checking the box and clicking the "Save Changes" button.

REPAIR LIST COMPARISON TABLE

Repair	Total \$ (▲)	Annual Energy Usage in kbtu (▲)	Annual Water Usage in Gal. (▲)	Annual Total Utility \$ (▲)	Annual TCO for all Comps. \$ (▲)
Proposed List	\$1,153,167.40	0	0	\$0	\$56,283.89
<input checked="" type="checkbox"/> List 1	\$1,155,760.40 (\$2,593)	-682.40 (-682.40)	0 (0)	-\$290 (-\$290)	\$55,169.10 (-\$1,114.79)
<input type="checkbox"/> List 2	\$1,155,560.40 (\$2,393)	-341.20 (-341.20)	0 (0)	-\$145 (-\$145)	\$56,047.51 (-\$236.38)



- The Repair Needs lists under the Validation Tab will be automatically updated to reflect the Components and Alternatives in the Proposed List.

- The selections are also reflected in the "Components and Alternatives" screen and "Repair Replacement Recommendation" entries also.

Assessment Entry Validation

REPAIR NEEDS (49) Expand

	Total	\$/Unit
Immediate Repairs (Total)	\$1,216,322.88	\$24,326.46
Life Safety Remedies	\$15,825.58	\$316.51
Accessibility Remedies	\$34,702.51	\$694.05
- Immediate Action	-	-
- Deferred	\$34,702.51	\$694.05
Non-critical Needs	\$1,165,794.79	\$23,315.90

Flags: Severe (4), Warnings (79), Informational (7)

Repair Needs: Critical Repairs (22), Life Safety (5), Accessibility (17), Non-Critical Repairs (27)

Future Replacement Components | Critical Repair Components | **Non-Critical Repair Components**

Filter List By.. Add New Component

Component Type	Component Name	Age/EUL	Assessed/Std RUL	Cost \$	Annual Utility \$
- 3.7.2.3.1 - Refrigerator/freezer	Apartment refrigerators original	2 / 12	15 / 10	\$16,100.44	\$1,575
Alt(1): 3.7.2.3.1 - Refrigerator/freezer	Replace refrigerators, for Component - Apartment refrigerators original	- / 20	-	\$20,160	\$1,575
Alt(2): 3.7.2.3.1 - Refrigerator/freezer	(Alt 2) Replace refrigerators - Stainless Fancy	- / 18	-	\$18,060	\$1,865
Alt(3): 3.7.2.3.1 - Refrigerator/freezer	(Alt 1) Replace refrigerators -	- / 15	-	\$16,100.44	\$1,150