PSEE RESILIENCE TRACKER MODULE

Access: Project Suite Enterprise Edition

Purpose/Contents:

The PSEE Resilience Tracker Module tracks the implementation of and prioritizes the inclusion of resilience improvements regardless of the funding source. Use of the tracker will ensure that all necessary resilience improvements are considered, reviewed, or implemented within a project. This provides a clearly defined resilience component to the project's scope.

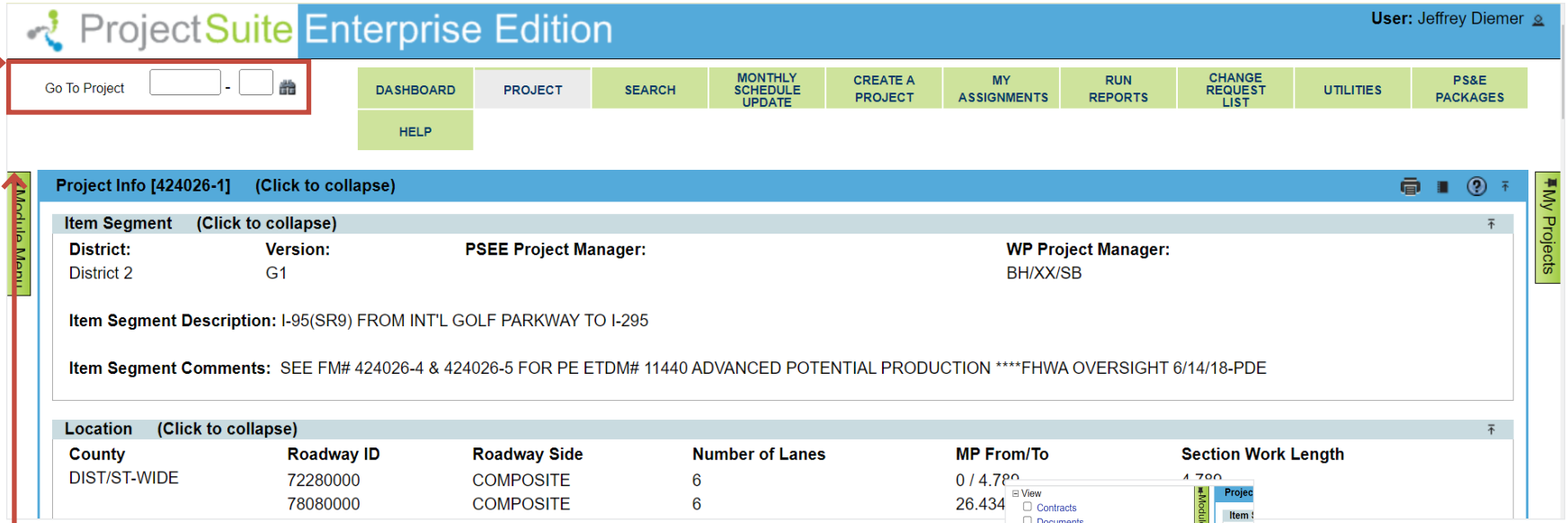
Tips to keep in mind about using the PSEE Resilience Tracker Module:

- Resilience improvements can be entered into the PSEE Resilience Tracker Module as soon as the project is present in PSEE.
- It is important to complete the PSEE Resilience Tracker Module as soon as possible so accurate project costs can be determined. It is required to be complete by the end of the design phase. The project manager and the engineer of record have ultimate responsibility for the completion and accuracy of the module.

THIS TRAINING IS ALSO AVAILABLE IN VIDEO FORMAT ON THE FDOT TRAINING YOUTUBE

PSEE RESILIENCE TRACKER MODULE

USING THE MODULE



STEP 1

Navigate to the proper project using the "Go To Project" field.

Then expand the Module Menu and toggle on "Resilience Tracker."

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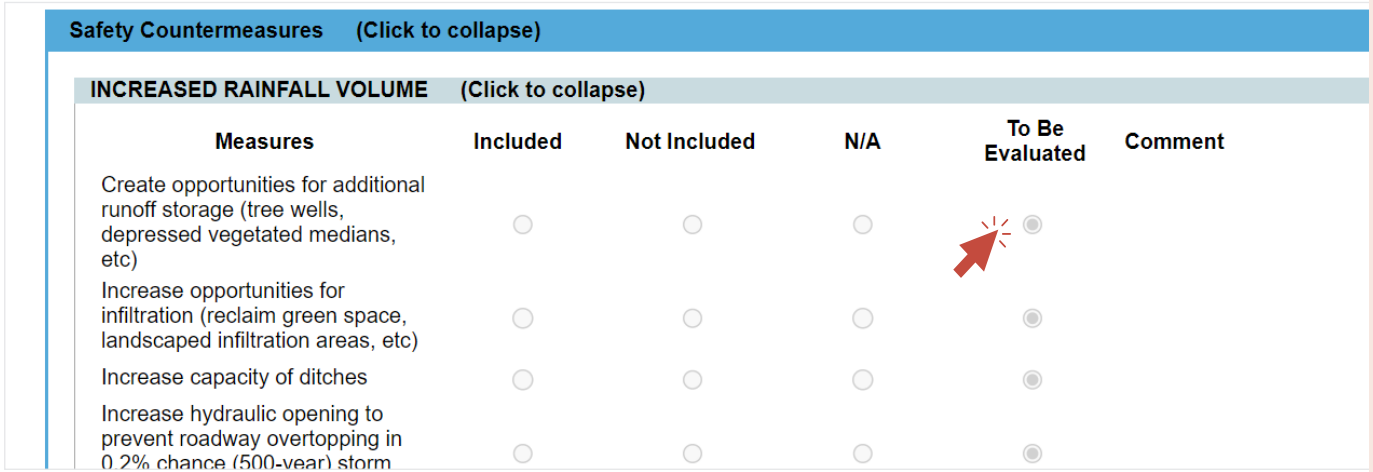
STEP 2

Designate the status of each improvement. Improvements are organized into seven menus inside the module. As you can see, each design feature has a radio button in four columns: Included, Not Included, N/A, and To Be Evaluated. There is also space for comments. Once a feature is selected, indicate status by selecting appropriate column.



Available Statuses

- INCLUDED – Measure has been included in at least one instance somewhere in the project.
- NOT INCLUDED – Measure was evaluated and while it could be included, it was not to be included. Must be justified.
- N/A – Measure cannot be included in project due to features of project.
- TO BE EVALUATED – This is the default setting of each measure. Each measure must be addressed and moved from this setting before the project reaches final design.
- COMMENT – Justification to not include a measure that could be placed in project must be written here.

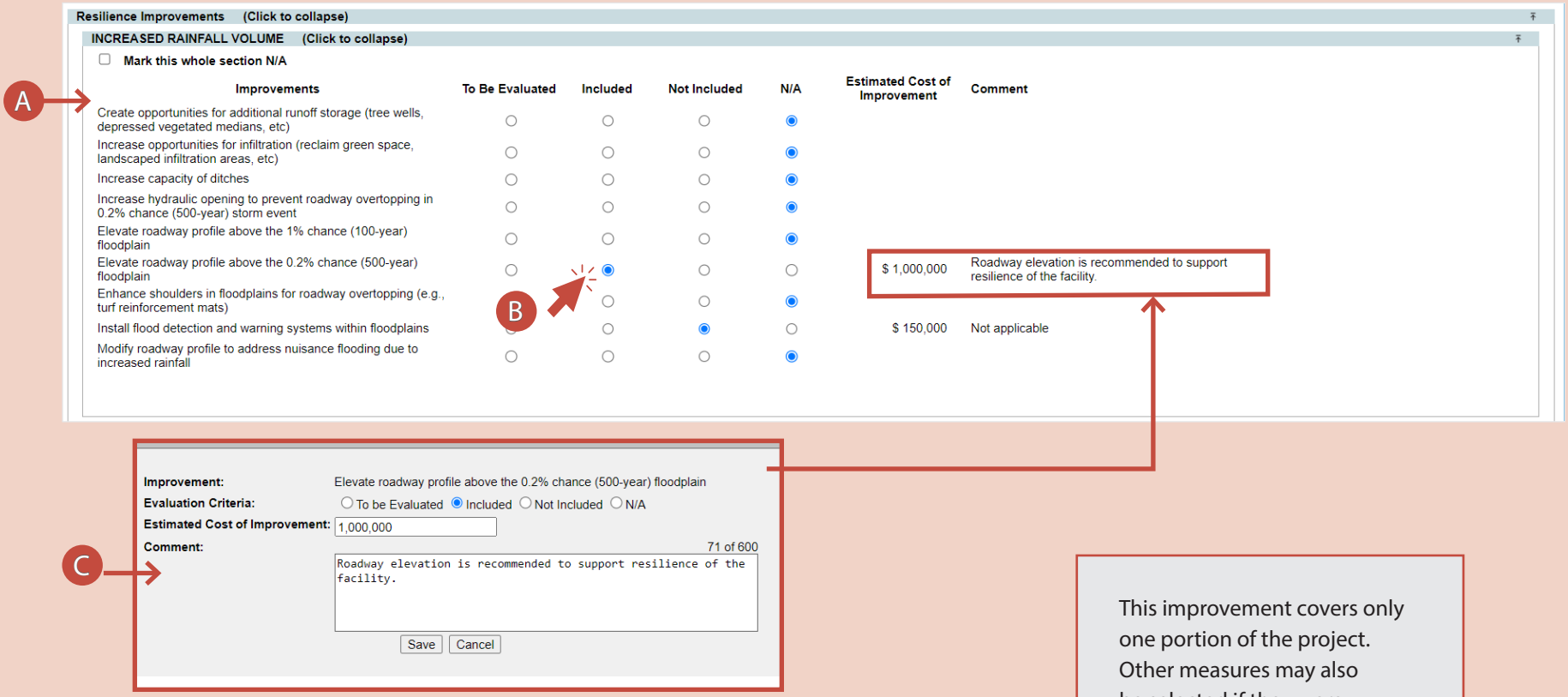
EXAMPLE

This segment of roadway has a history of overtopping and flooding during storm events that lead to periodic road closure hindering recovery efforts. An effective resilience measure for this roadway is to elevate it during roadway reconstruction. Specifically raising the roadway above the 500-year floodplain will increase the facility's resilience.

A Navigate to "Increased Rainfall Volume."

B Select "Included" for "Elevate roadway profile above the 0.2% chance (500-year) floodplain."

C Navigate to the "Comment" section and enter the appropriate supporting information for the selected resilience improvement. When the comment is saved, it will appear in the comment section. The Estimated Cost of Improvement is only the incremental cost of the improvement itself. It is not the total project cost.



This improvement covers only one portion of the project. Other measures may also be selected if they were planned at other locations of the project area. For the resilience improvements not selected, please provide a justification.

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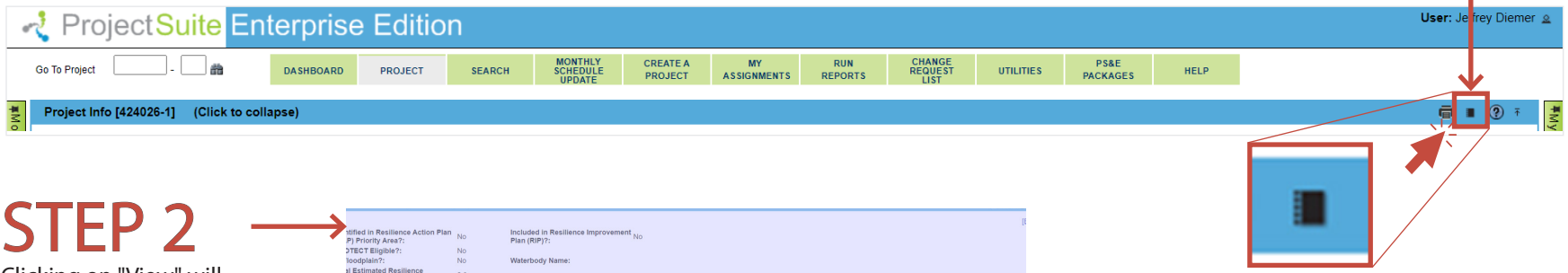
REPORTING OPTIONS FOR THE RESILIENCE TRACKER MODULE

TO VIEW CHANGES IN JOURNAL LOG

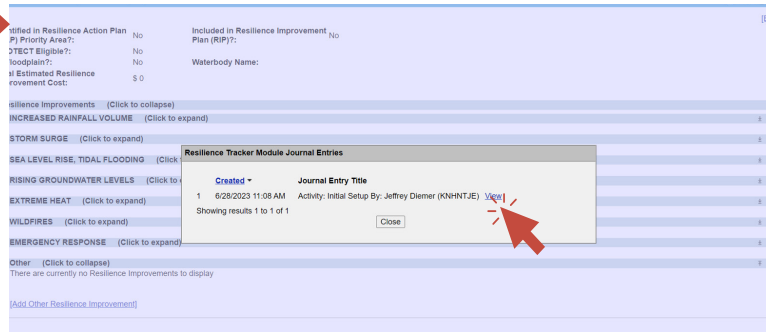
STEP 1

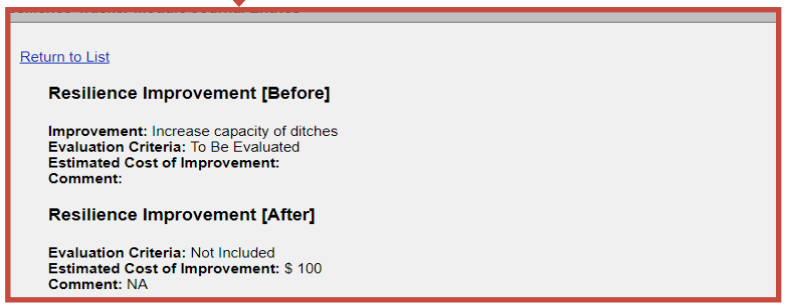
Click on the "Journal Entry" icon within the Resilience Tracker module to open the "Resilience Tracker Module Journal Entries" window, reporting each change.



STEP 2

Clicking on "View" will bring up a dialogue box showing what was changed.





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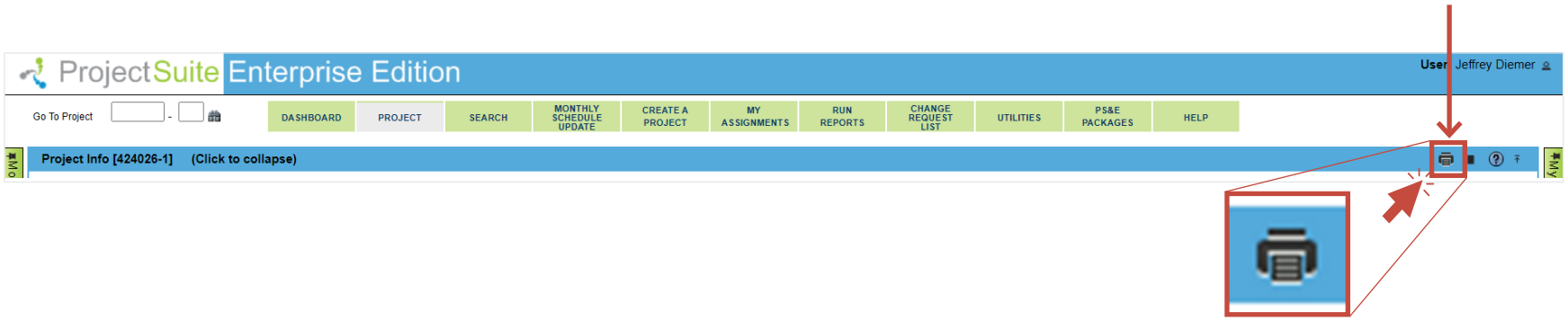
TO CREATE A REPORT

Click on the "Report" icon within the Resilience Tracker module to generate a report in Microsoft Word . The report provides a table of the resilience improvements planned for the project. This reports the selecion of all resilience improvements, and lists any additional design features present in the project.



This is what a report looks like. As you can see, it shows every improvement in a table, with the status of the improvement and the justification for its status.

PSEE Resilience Tracker Report for Project 430132-1 (SR 35 (US 301) FROM CR 525E TO FLORIDA'S TURNPIKE) 7/10/2023

Resilience Tracker for [430132-1]

Resilience Tracker Report for Project 430132-1 (SR 35 (US 301) FROM CR 525E TO FLORIDA'S TURNPIKE)

Identified in Resilience Action Plan (RAP) Priority Area?	No	**Included in Resilience Improvement Plan (RIP)?**	No
PROTECT Eligible?	No		
In Floodplain?	No	**Waterbody Name**	
Total Estimated Resilience Improvement Cost	$ 0		

Resilience Improvements

INCREASED RAINFALL VOLUME

Improvements	To Be Evaluated	Included	Not Included	N/A	Estimated Cost of Improvement	Comment
Create opportunities for additional runoff storage (tree wells, depressed vegetated medians, etc)	X					
Increase opportunities for infiltration (reclaim green space, landscaped infiltration areas, etc)	X					
Increase capacity of ditches	X					

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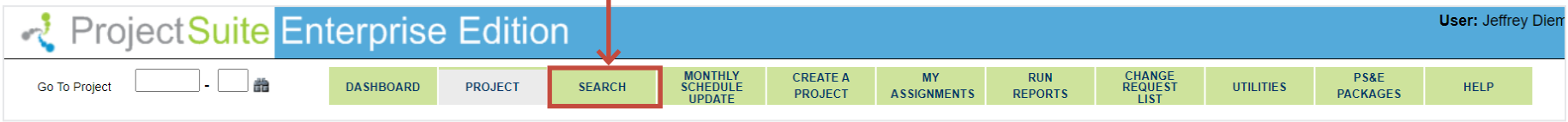
TO SEARCH RESILIENCE IMPROVEMENTS

The Search Menu provides an option to view and export a list of projects that have identified resilience improvements.

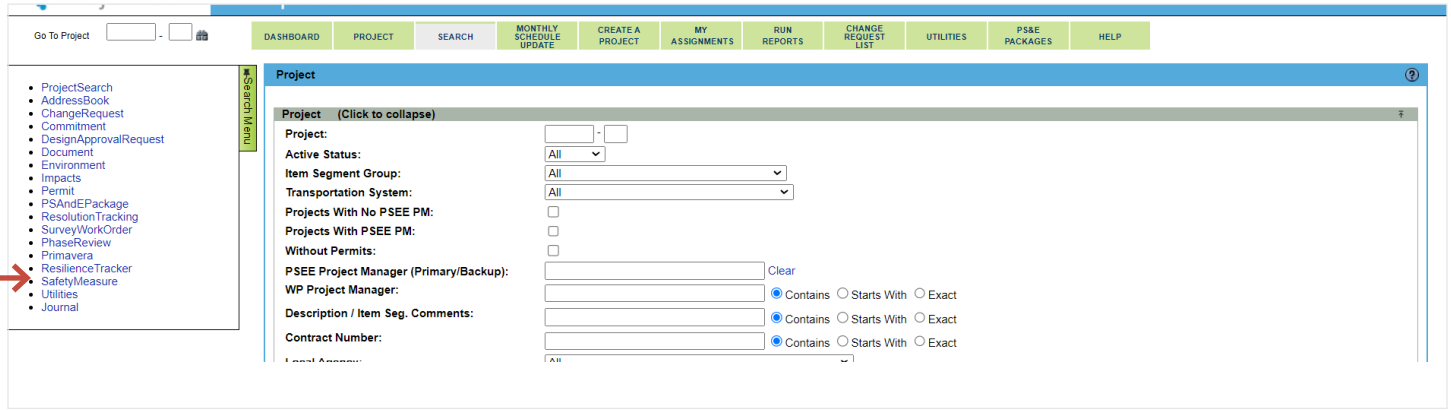
STEP 1

Click on "Search" from the main menu.



STEP 2

Select the "Resilience Tracker" from the expanded Search Menu to open the Resilience Tracker search fields.



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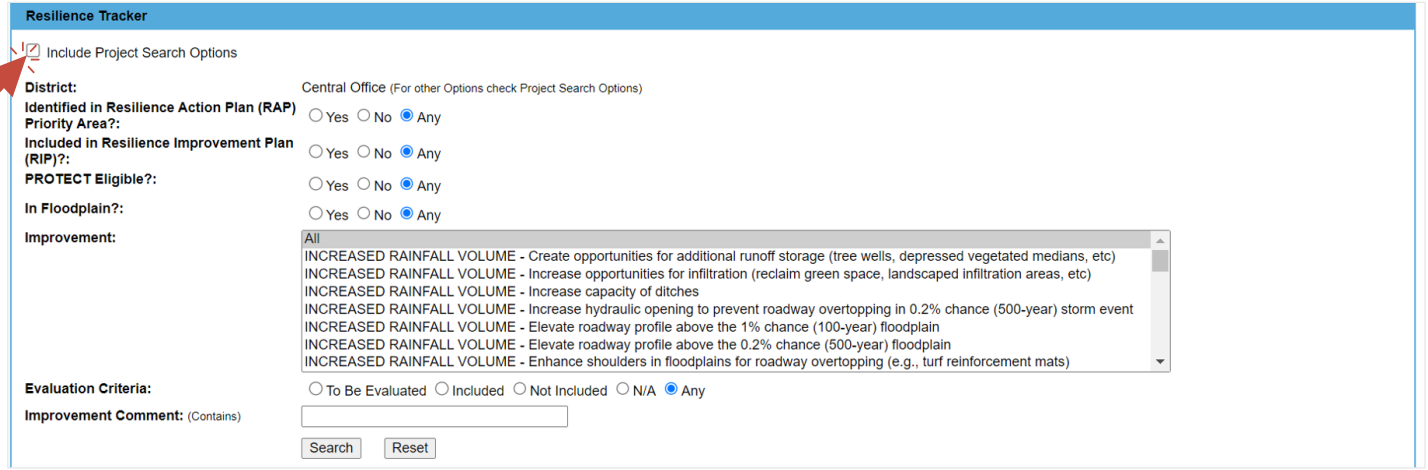
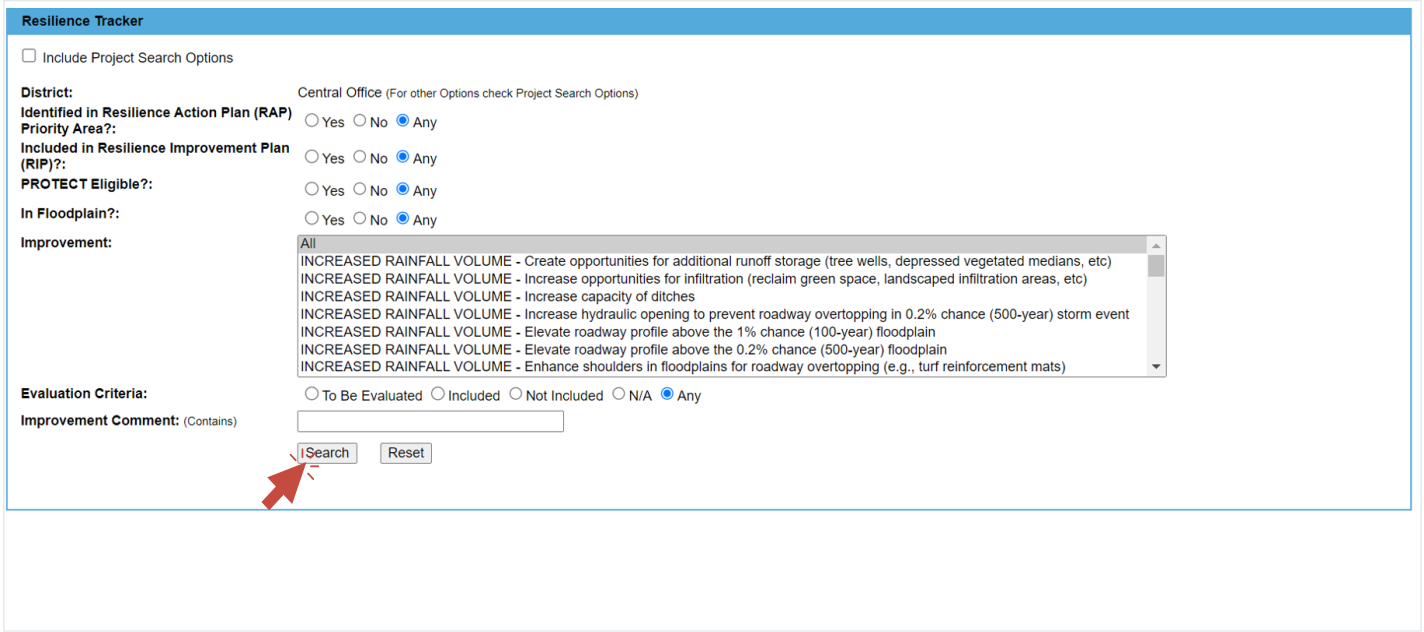
STEP 3

To select different Districts, select the "Include Project Search Options" at the top left corner of the Resilience Tracker Box, then select the appropriate District and the improvement options you are interested in.



STEP 4

Select criteria and click on "Search" to generate an output. "Reset" will clear selections.



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STEP 5

As a result of Step 4, the program will output search results based on the criteria that was selected. Clicking "Export Results" will download a Microsoft Excel file containing the information shown in the search results.

Resilience Tracker

[Modify Search]

Resilience Search Results (Click to collapse)

		Project	County	Identified in RAP Priority Area	Included in RIP	PROTECT Eligible?	In Floodplain?	Improvement	Evaluation Criteria	Estimated Cost of Improvement	Improvement Comment
1	View	000101-1	Pinellas	Yes	Yes	Yes	Yes	RISING GROUNDWATER LEVELS - Use different base materials (e.g. B-12.5 or graded aggregate base) for higher SHWT	To Be Evaluated		
2	View	000101-1	Pinellas	Yes	Yes	Yes	Yes	RISING GROUNDWATER LEVELS - Deeper root vegetation to lower groundwater and stabilize slopes	To Be Evaluated		
3	View	000101-1	Pinellas	Yes	Yes	Yes	Yes	RISING GROUNDWATER LEVELS - Salt tolerant vegetation in coastal areas	To Be Evaluated		
4	View	000101-1	Pinellas	Yes	Yes	Yes	Yes	RISING GROUNDWATER LEVELS - Underdrains for high groundwater mounding at roadway where positive outfall can be achieved	To Be Evaluated		
5	View	000101-1	Pinellas	Yes	Yes	Yes	Yes	RISING GROUNDWATER LEVELS - Reconstruct base to mitigate future water damage	To Be Evaluated		
6	View	000101-1	Pinellas	Yes	Yes	Yes	Yes	EXTREME HEAT - Drought tolerant shoulder vegetation	To Be Evaluated		
7	View	000101-1	Pinellas	Yes	Yes	Yes	Yes	WILDFIRES - ITS signs for high potential for fire	To Be Evaluated		
8	View	000101-1	Pinellas	Yes	Yes	Yes	Yes	EMERGENCY RESPONSE - Emergency Shoulder Use	To Be Evaluated		
9	View	000101-1	Pinellas	Yes	Yes	Yes	Yes	Other - Other	Included	$ 1,000	Other test Resilience Improvement
10	View	000101-1	Pinellas	Yes	Yes	Yes	Yes	INCREASED RAINFALL VOLUME - Create opportunities for additional runoff storage (tree wells, depressed vegetated medians, etc)	N/A		
11	View	000101-1	Pinellas	Yes	Yes	Yes	Yes	INCREASED RAINFALL VOLUME - Increase opportunities for infiltration (reclaim green space, landscaped infiltration areas, etc)	Not Included	$ 100	Test-Not included
12	View	000101-1	Pinellas	Yes	Yes	Yes	Yes	INCREASED RAINFALL VOLUME - Increase capacity of ditches	Included	$ 1,000	
13	View	000101-1	Pinellas	Yes	Yes	Yes	Yes	INCREASED RAINFALL VOLUME - Increase hydraulic opening to prevent roadway	To Be Evaluated		

Showing results 1 to 250 of 289 Next 39 results

From: 1 To: 289 Export Results