Stormwater Management Grants for Water Quality and Quantity Improvements 2022

Green Infrastructure & Basin Retrofit

August 17, 2022

Agenda

Eligibility Requirements

- Water Quality and Quantity Improvements 2022

Category 1 – Green Infrastructure

Category 2 – Basin Retrofit

Questions & Contact

ELIGIBILITY REQUIREMENTS

Water Quality and Quantity Improvements 2022

Bioretention center parking aisle, Princeton, NJ

Funding made available under this RFP shall be used for stormwater management activities that would directly enhance, improve, or protect the use of any waters of the state located in overburdened communities.

Eligible Activities

- Implementation of Green Infrastructure projects that are designed in accordance with the New Jersey Stormwater BMP Manual found at: https://nj.gov/dep/stormwater/bmp_manual2.htm;
- Projects which restore or improve water quality attributes of existing stormwater management facilities;
- Combined sewer overflow abatement projects;
- Projects designed to create, restore and enhance areas currently devoid of vegetation through the removal or reduction of existing impervious surface; and
- Stormwater management activities that improve water quality, effectively manage water quantity and control nutrients.

Green Infrastructure

WHAT IS GREEN INFRASTRUCTURE?

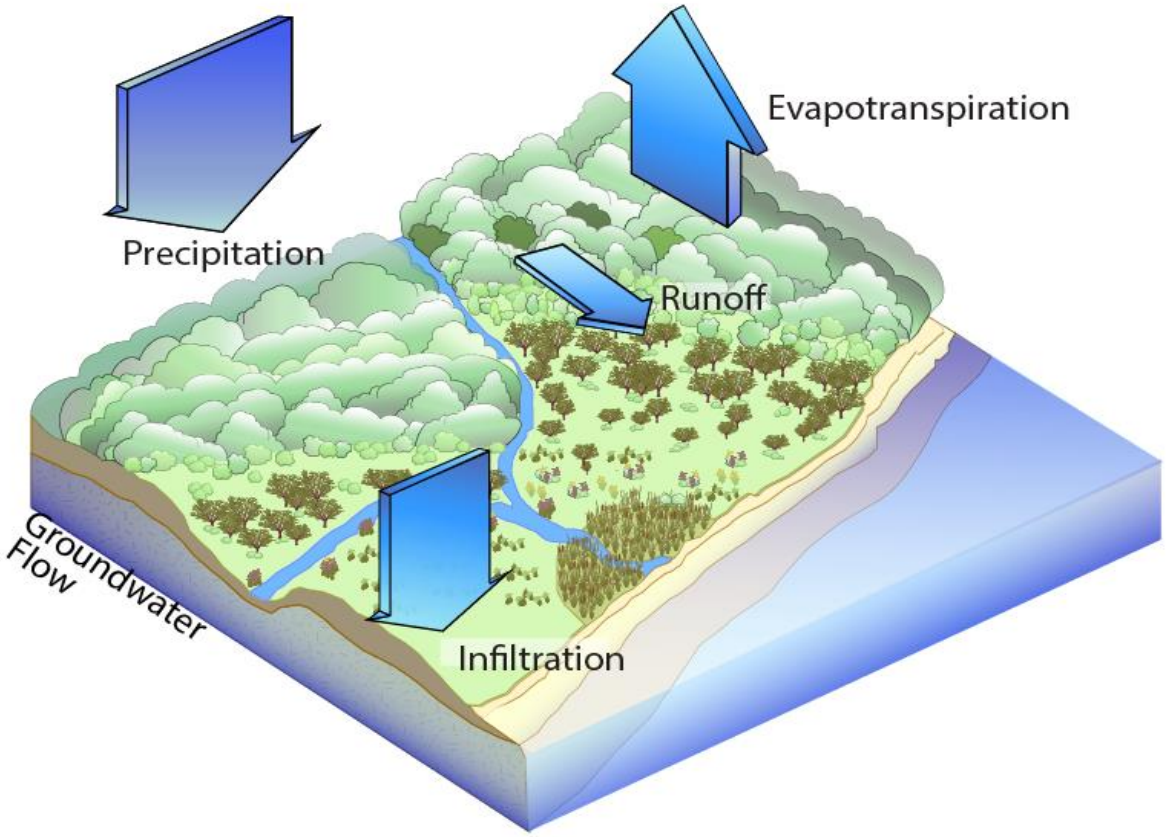
Green Infrastructure BMPs more effectively maintain or mimic natural hydrology and provide environmental benefits by:

- Infiltrating precipitation to replenish groundwater and stream base flow,
- Evapotranspiring and evaporating precipitation to reduce stormwater discharge volume, and
- Intercepting precipitation to reduce runoff and erosion.

Definition of Green Infrastructure

The Stormwater Management rules at N.J.A.C. 7:8-1.2 define green infrastructure as a stormwater management measure that manages stormwater close to its source by:

1. Treating stormwater runoff through infiltration into subsoil;
2. Treating stormwater runoff through filtration by vegetation or soil; or
3. Storing stormwater runoff for reuse.



Examples of Green Infrastructure BMPs

BMP Manuals for GI BMPs
https://nj.gov/dep/stormwater/bmp_manual2.htm

1645 Ferry Avenue, Camden, NJ
(Source: Camden SMART Initiative)

Small-Scale Bioretention System

- **Reduce pollutants**
- **Reduce runoff**
- **Recharge Groundwater (when infiltrating to subsoil)**

S 5th Ave, Highland Park, NJ
(Source: Google Street View)

Small-Scale Bioretention System

- **Reduce pollutants**
- **Reduce runoff**
- **Recharge Groundwater (when infiltrating to subsoil)**

Bonsall School
(Source: Camden SMART Initiative)

Small-Scale Bioretention System

- **Reduce pollutants**
- **Reduce runoff**
- **Recharge Groundwater (when infiltrating to subsoil)**

Duke Farms, NJ
(Source: Google Street View)

Small-Scale Bioretention System

- **Reduce pollutants**
- **Reduce runoff**
- **Recharge Groundwater (when infiltrating to subsoil)**

Examples of Green Infrastructure BMPs

BMP Manuals for GI BMPs
https://nj.gov/dep/stormwater/bmp_manual2.htm

EPA Campus, Edison, NJ
(Source: EPA)

Pervious Paving System

- Reduce pollutants
- Reduce runoff
- Recharge Groundwater (when infiltrating to subsoil)

EPA Campus, Edison, NJ
(Source: EPA)

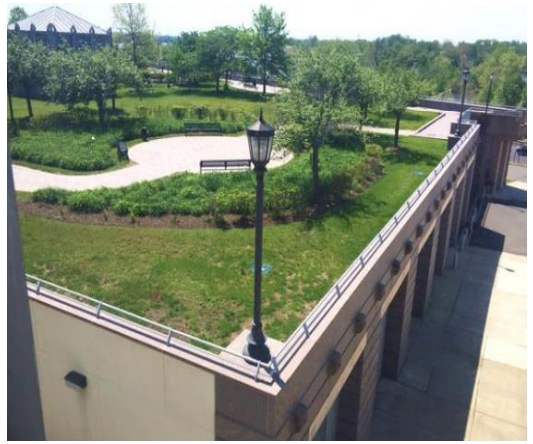
Pervious Paving System

- Reduce pollutants
- Reduce runoff
- Recharge Groundwater (when infiltrating to subsoil)

Camden, NJ

Cistern

- Reduce runoff



NJ Capitol Complex, Trenton, NJ

Green Roof

- Reduce runoff

Basin Retrofit

Basin Retrofit

BMP Guidance – Ch. 8

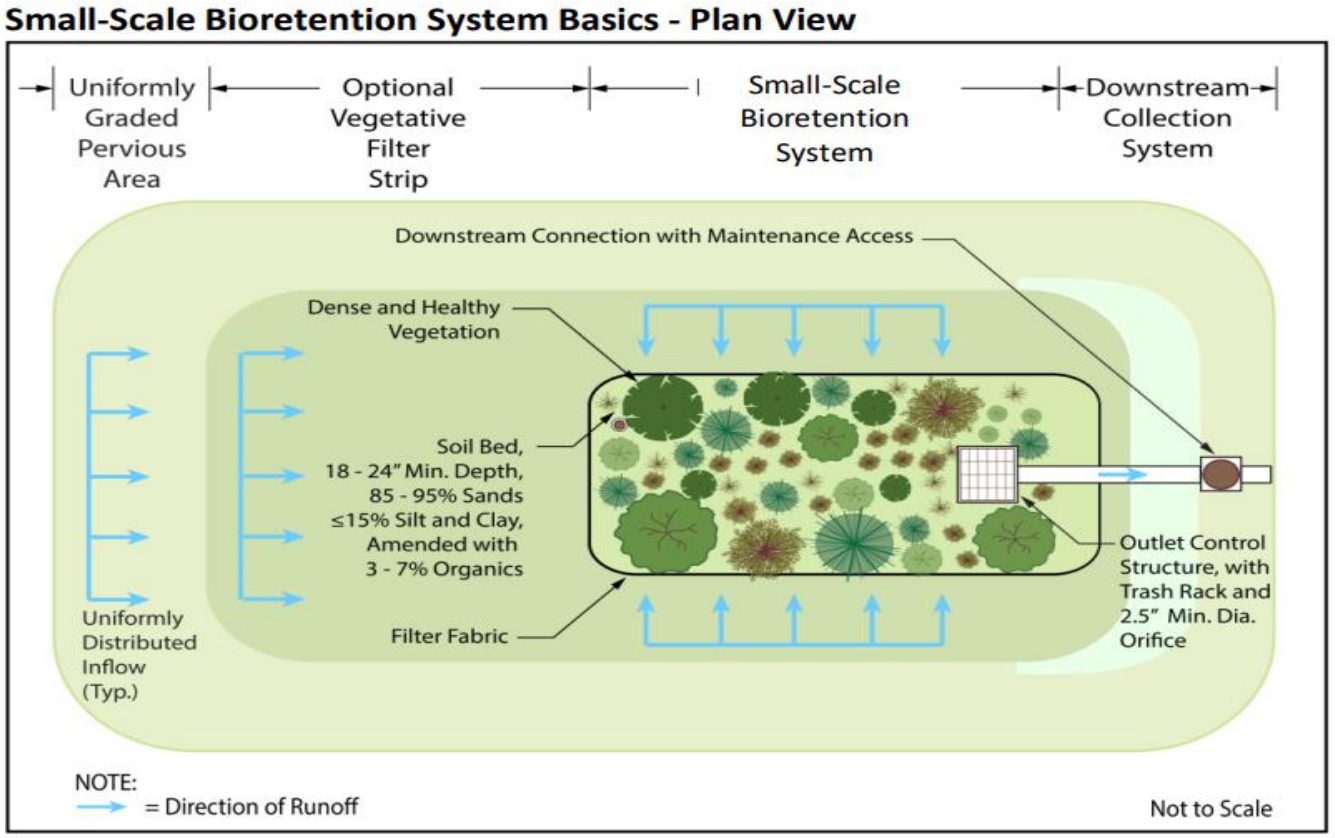
Maintenance and Retrofit of Stormwater Management Measures

- Improve existing stormwater management infrastructure and/or
- Restore or retrofit stormwater basins to address water quality, reduce nutrient loading, reduce stormwater velocities, and/or volume.

Basin Retrofit Ideas

Detention basin to a small-scale infiltration basin

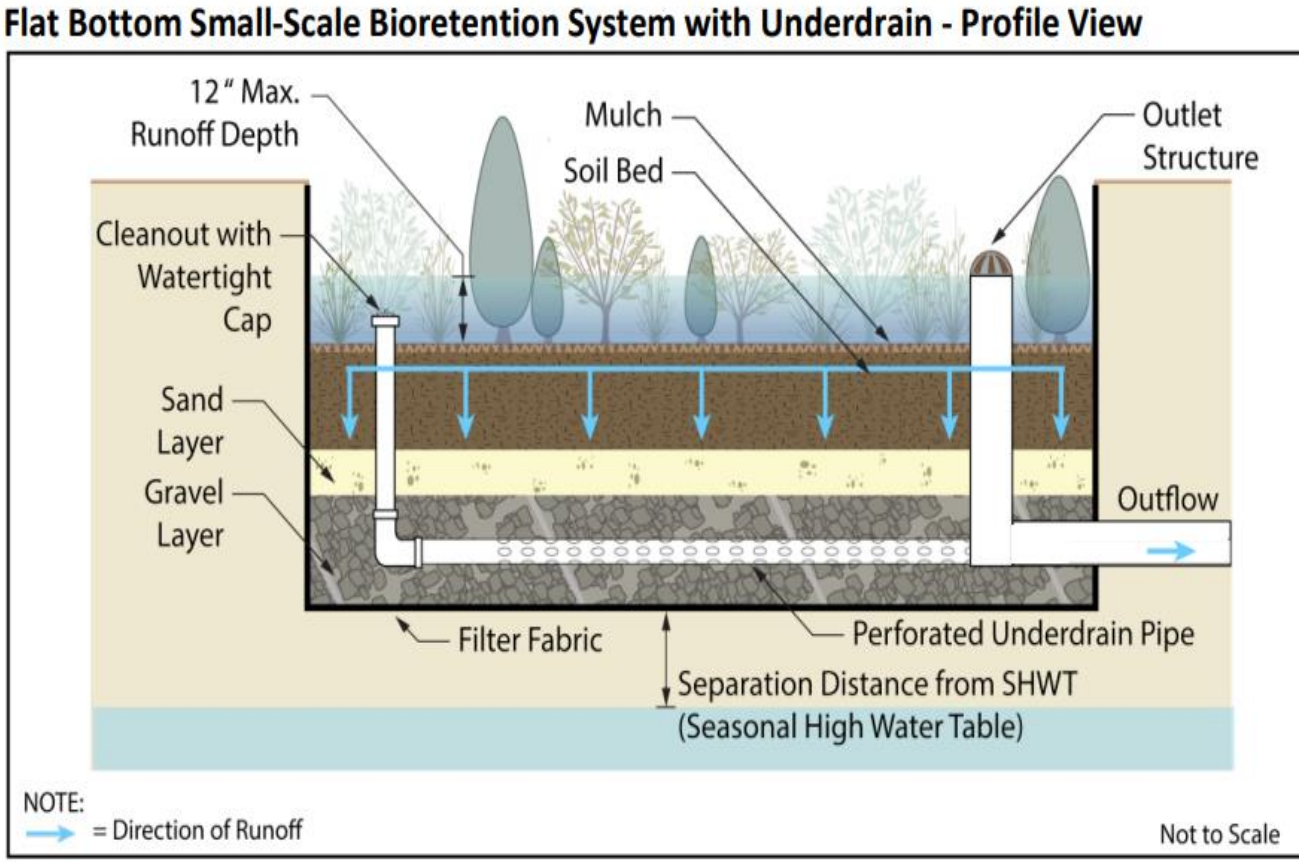
- Detention basin is not a Green Infrastructure BMP
- Small-Scale Bioretention Basins can provide water quality, abate peak flow, and recharge groundwater



Basin Retrofit Ideas

Nondraining stormwater basin to an underdrained bioretention basin

- Underdrained bioretention basins are GI BMPs
- Provide water quality and abate peak flow
- Resolve the ponding issue by underdrain pipes

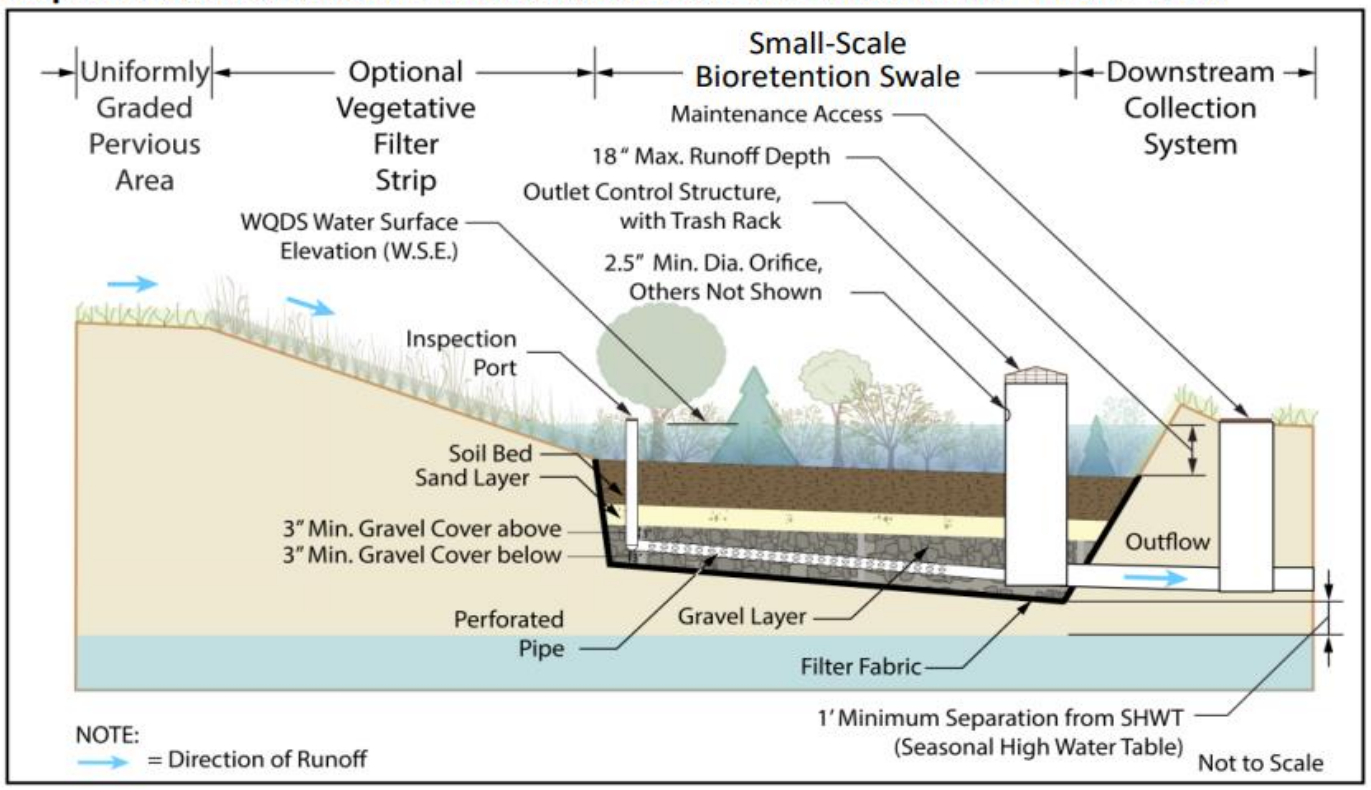


Basin Retrofit Ideas

Ponding swale to an underdrained small-scale bioretention swale

- Underdrained bioretention swales are GI BMPs
- Provide water quality and abate peak flow
- Resolve the ponding issue by underdrain pipes

Sloped-Bottom Small-Scale Bioretention Swale with Underdrain - Profile View



Stormwater Management Grants for Water Quality and Quantity Improvements 2022

NJDEP SAGE Registration and Walkthrough

August 17, 2022

Agenda

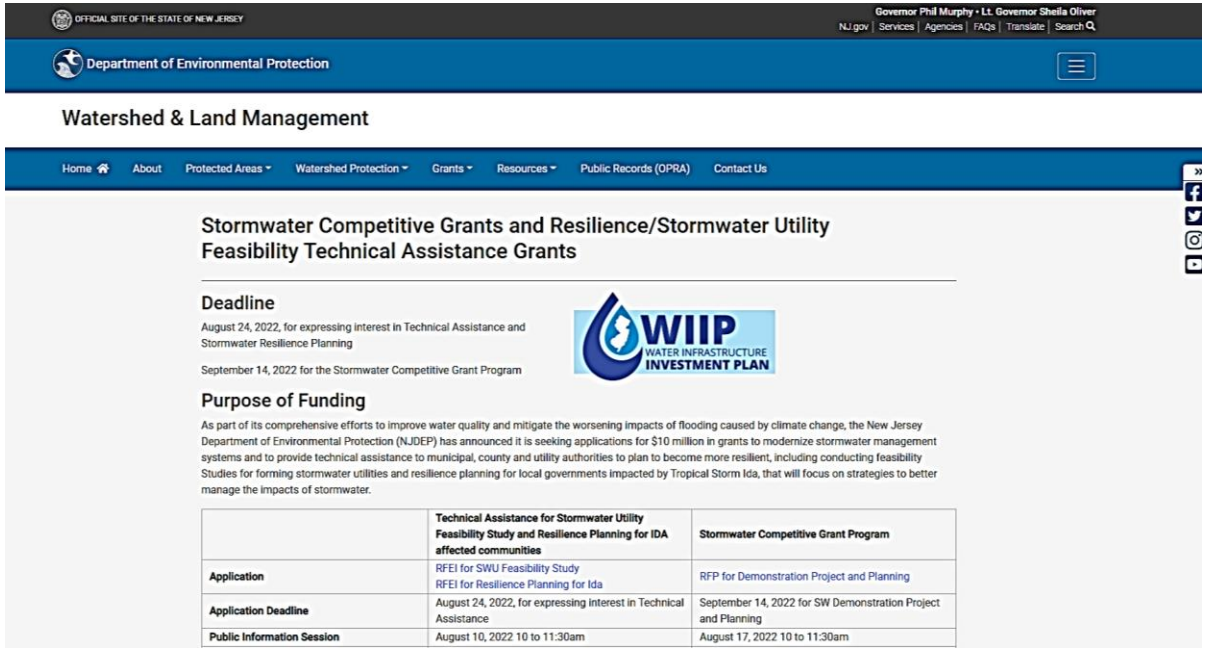
Website

How to Register an Organization

How to Add Members

Apply and Submit an Application

Management Tools



Application Procedures

For competitive grants, applicants must submit their proposals electronically using NJDEP's System for Administering Grants Electronically (NJDEP SAGE) and must follow the Registration Instructions on NJDEP SAGE's login page. An email will be sent to you when you have been accepted into the system. Once logged in, you can navigate to the Training Materials link where an Authorized Official manual and a webinar are available for help. If you have any questions regarding NJDEP SAGE, please contact Minesh Patel at Minesh.Patel@dep.nj.gov

For Technical Assistance on the RFEI, follow the application process listed in the documents linked above.

Website

https://nj.gov/dep/wlm/grants/swgrant.html

NJDEP SAGE
New Jersey Department of Environmental Protection
System for Administering Grants Electronically
System Login
Information Portal
Public Reports
Login
Username
Password
LOGIN
New User?
Forgot Username/Password?
Welcome to NJ Department of Environmental Protection System for Administering Grants Electronically (NJDEP SAGE).
This is the NJDEP's grant management system. This system requires authorization for access.
Registration Instructions: If you have not previously registered as an Authorized Official (AO) within NJDEP SAGE, your first step is to register. To do this, click here. After submitting a registration request, you will receive an e-mail confirmation of your acceptance into the system.
Vendor ID Registration: In order to receive a payment from NJDEP you must register on NJSTART. To do this, click here. Click the blue register button and follow the on-screen instructions.
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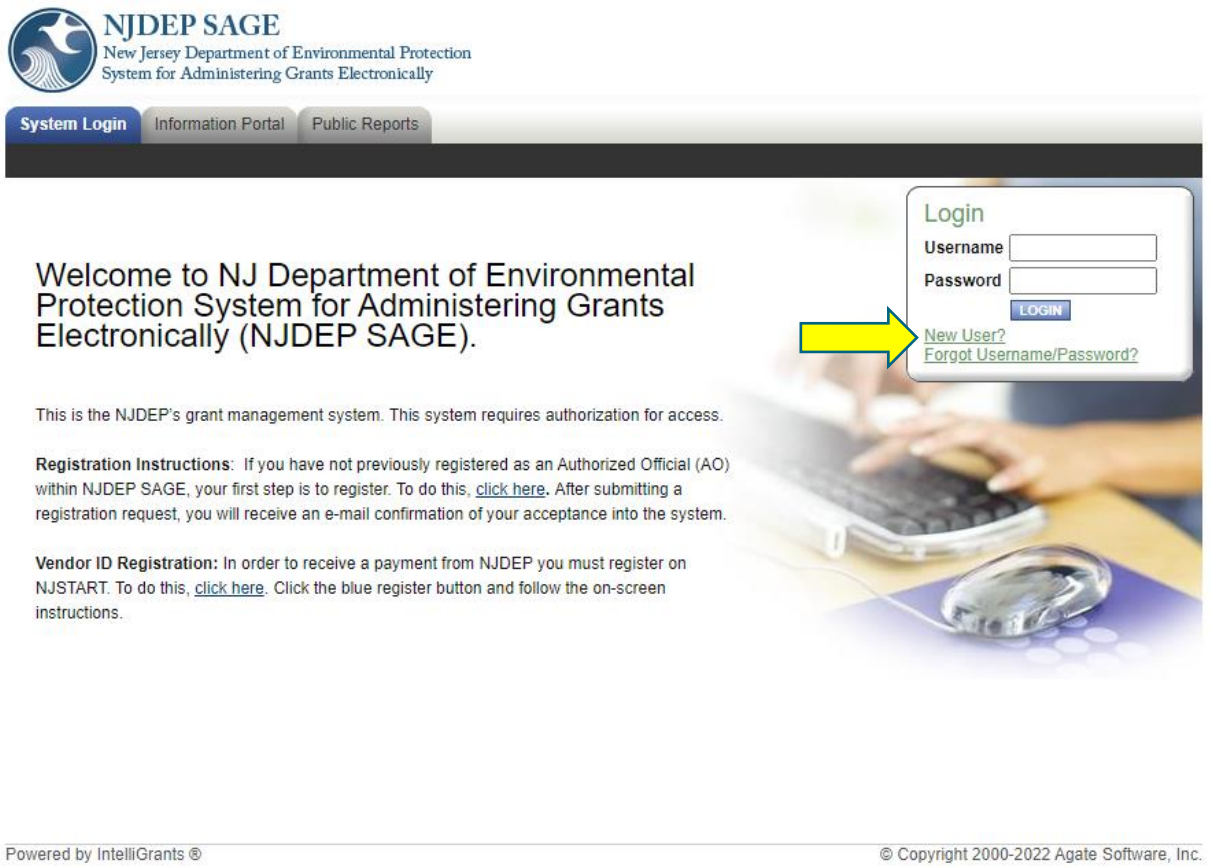
What is SAGE?



How to Register an Organization

How to Register an Organization

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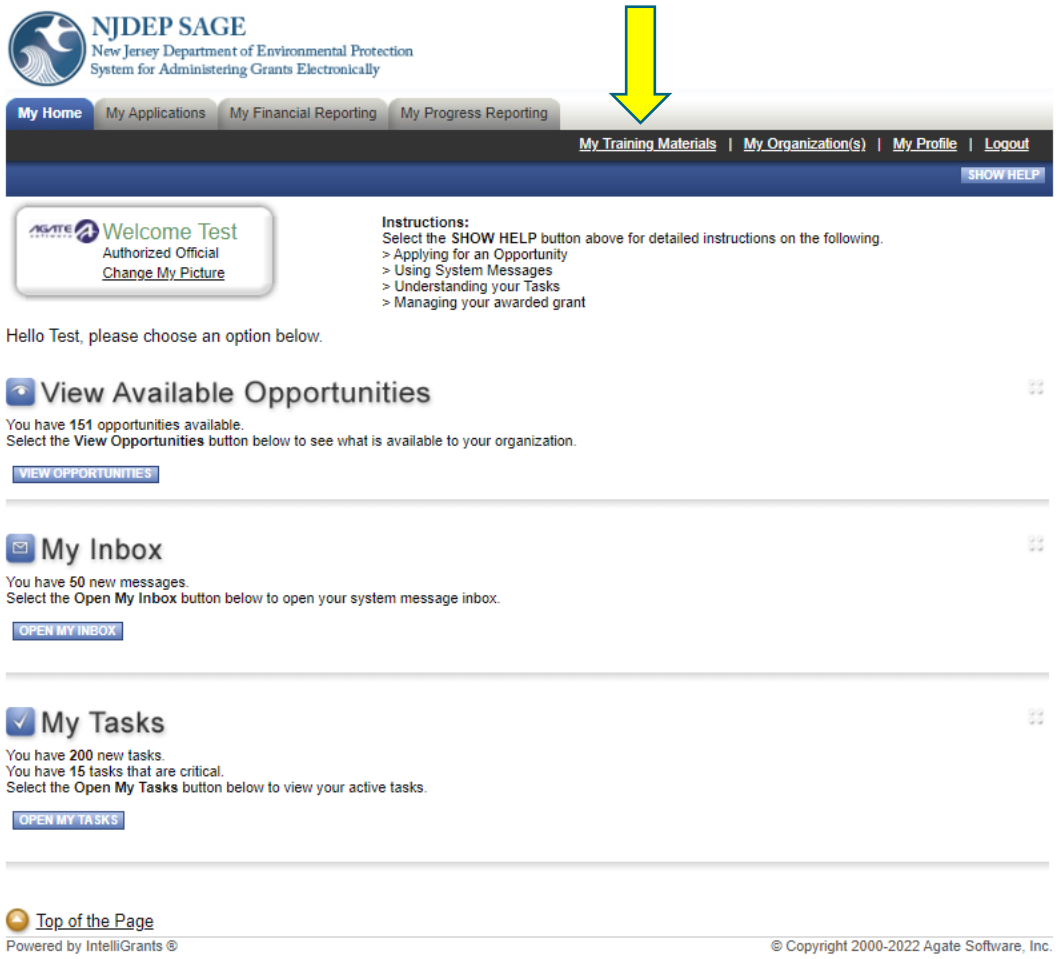

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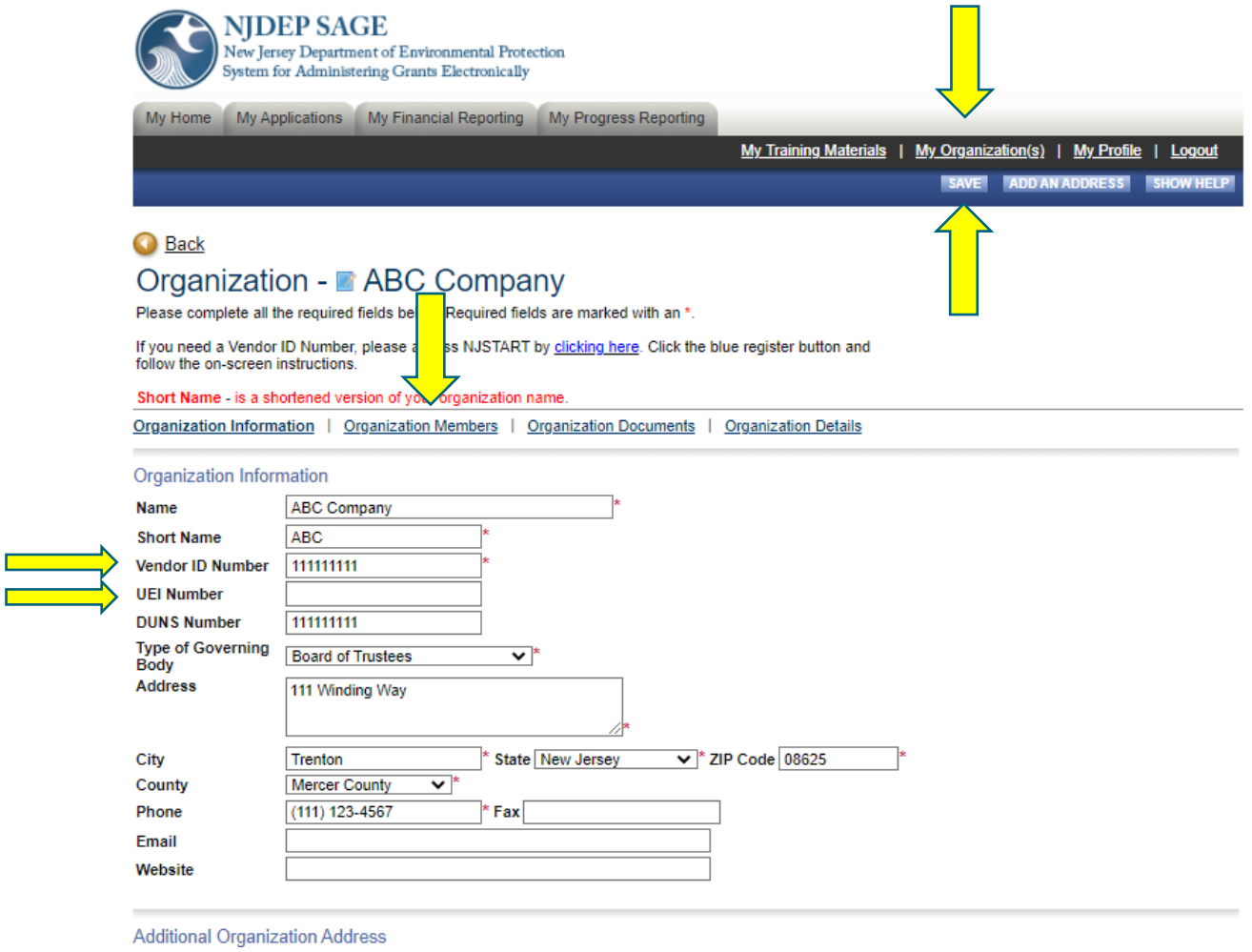
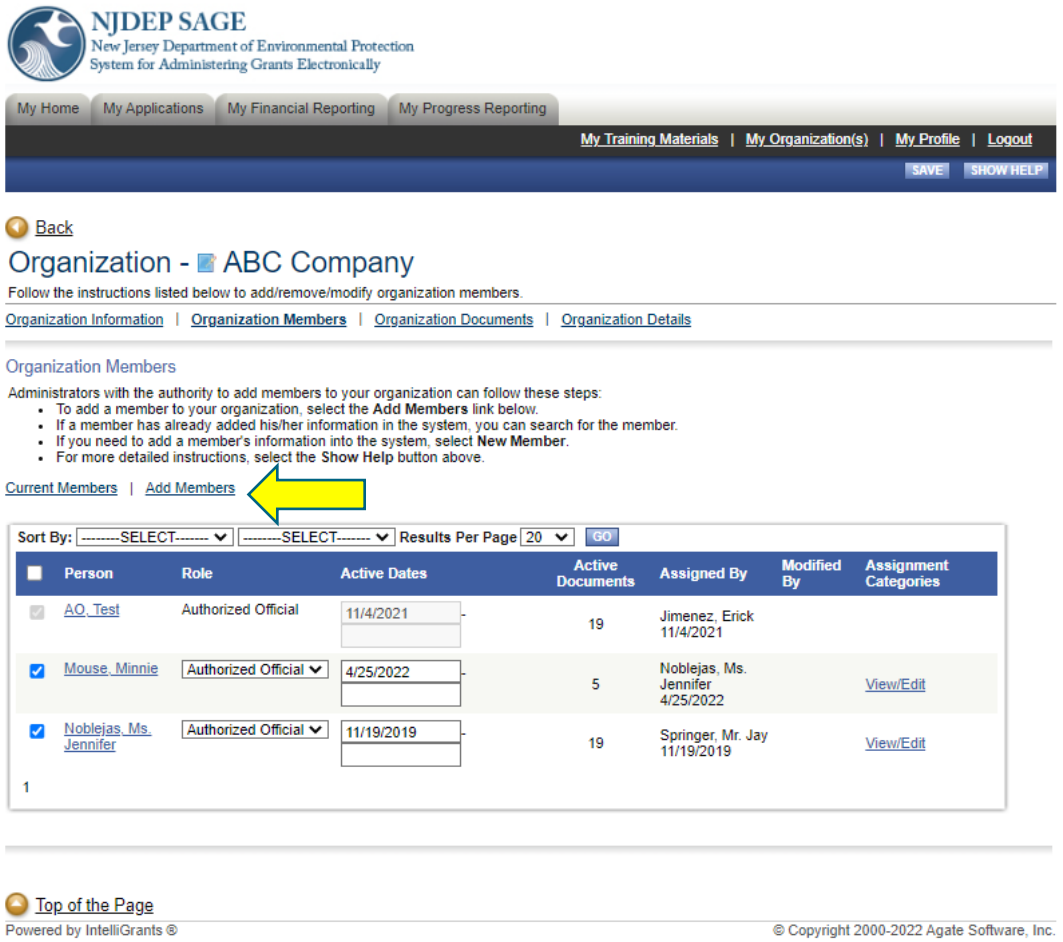
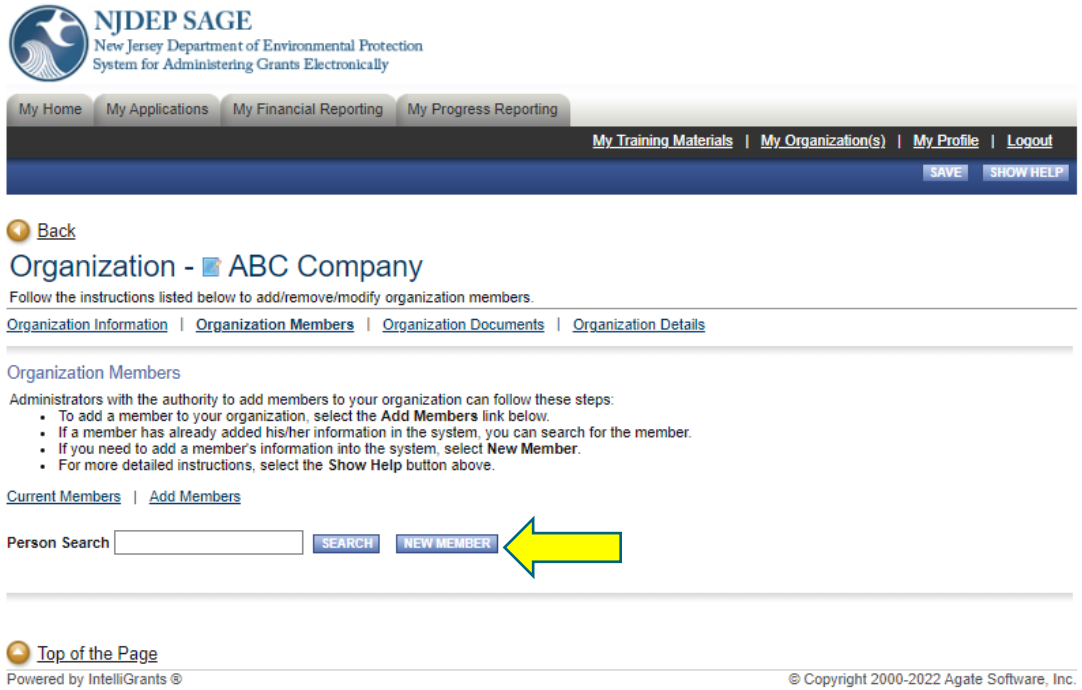


How to Add Members to your Organization





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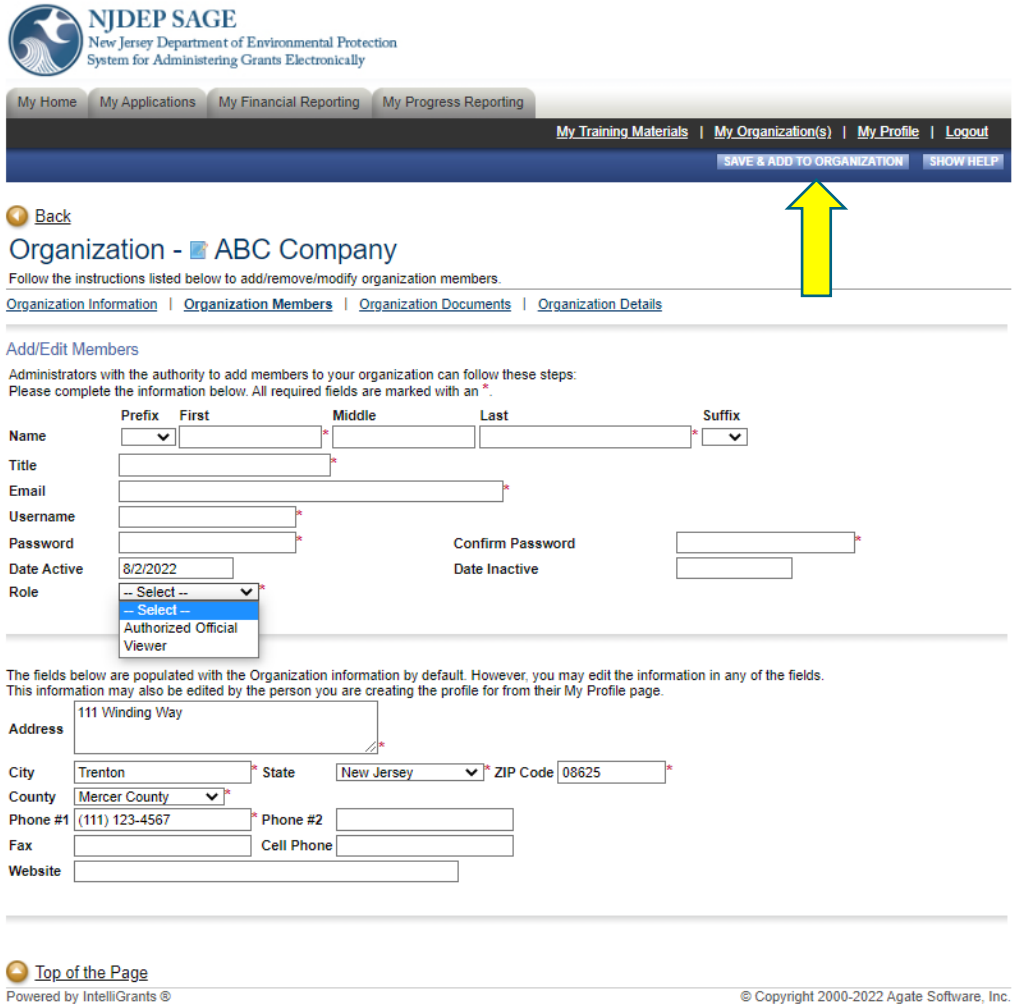
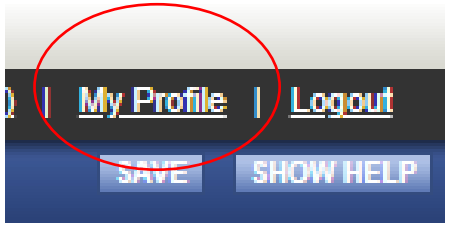


How to Add Members to your Organization

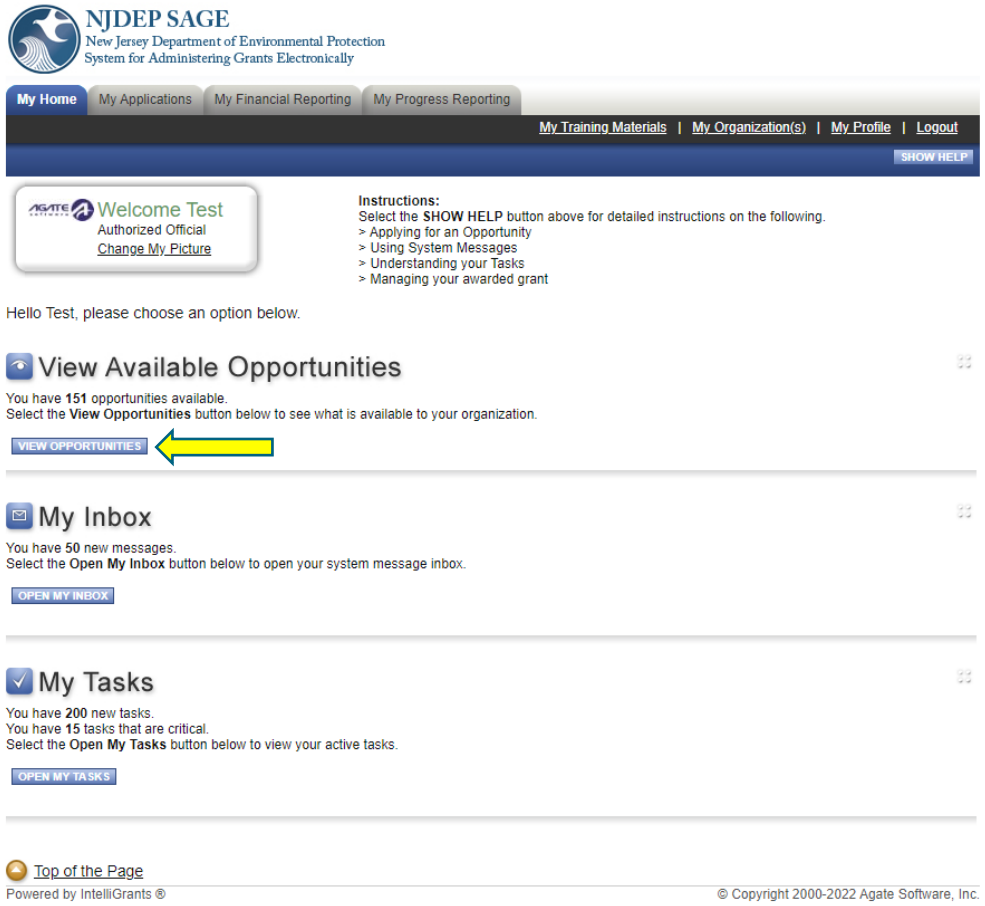
- Members are:
  - Contact Person/Executioner
  - Financial Officer
  - Project Manager
  - Consultants

- You must email each member their default username and password

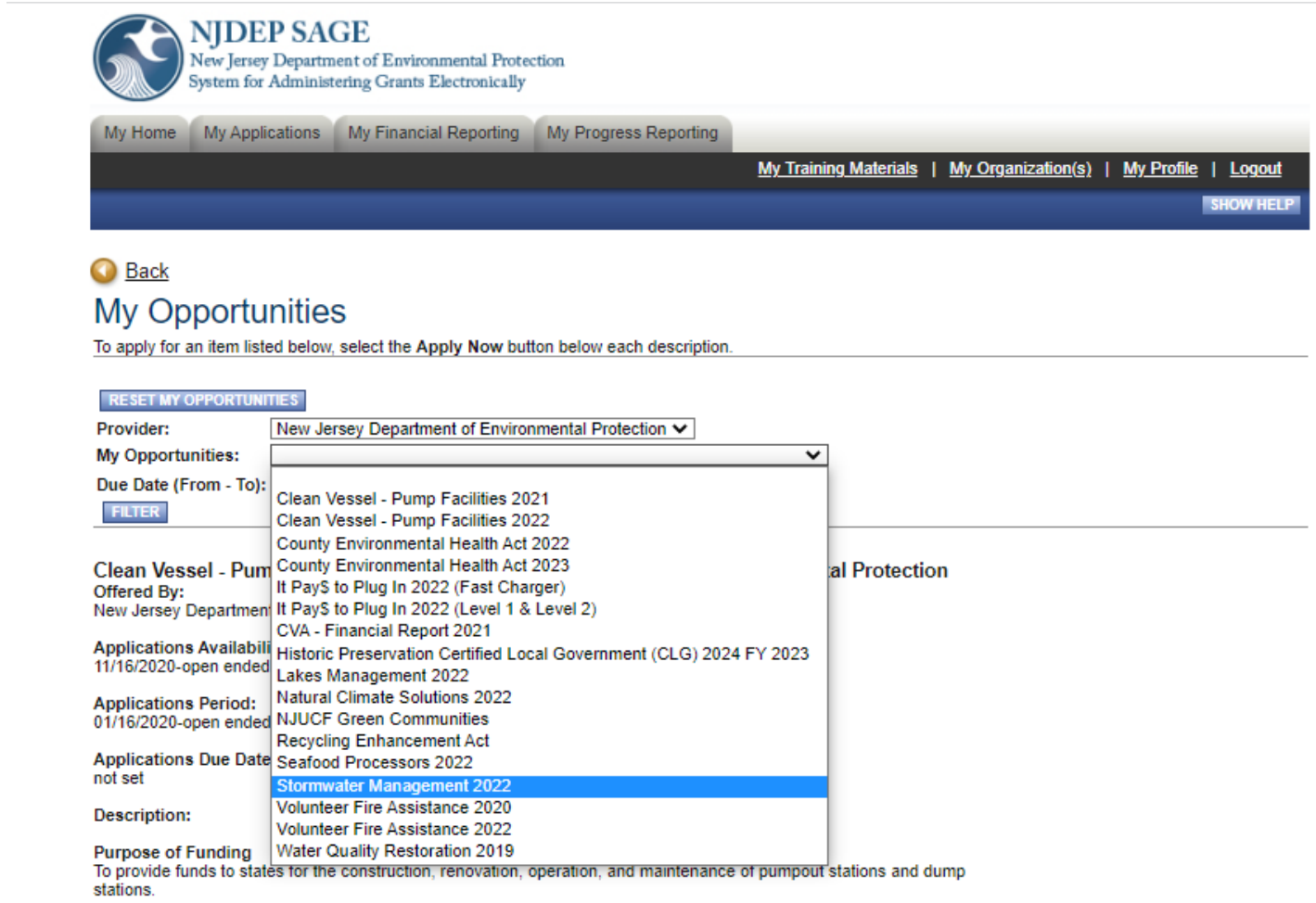
- Members can change username and password through ‘My Profile’



Key Points to Remember



Apply and Submit an Application



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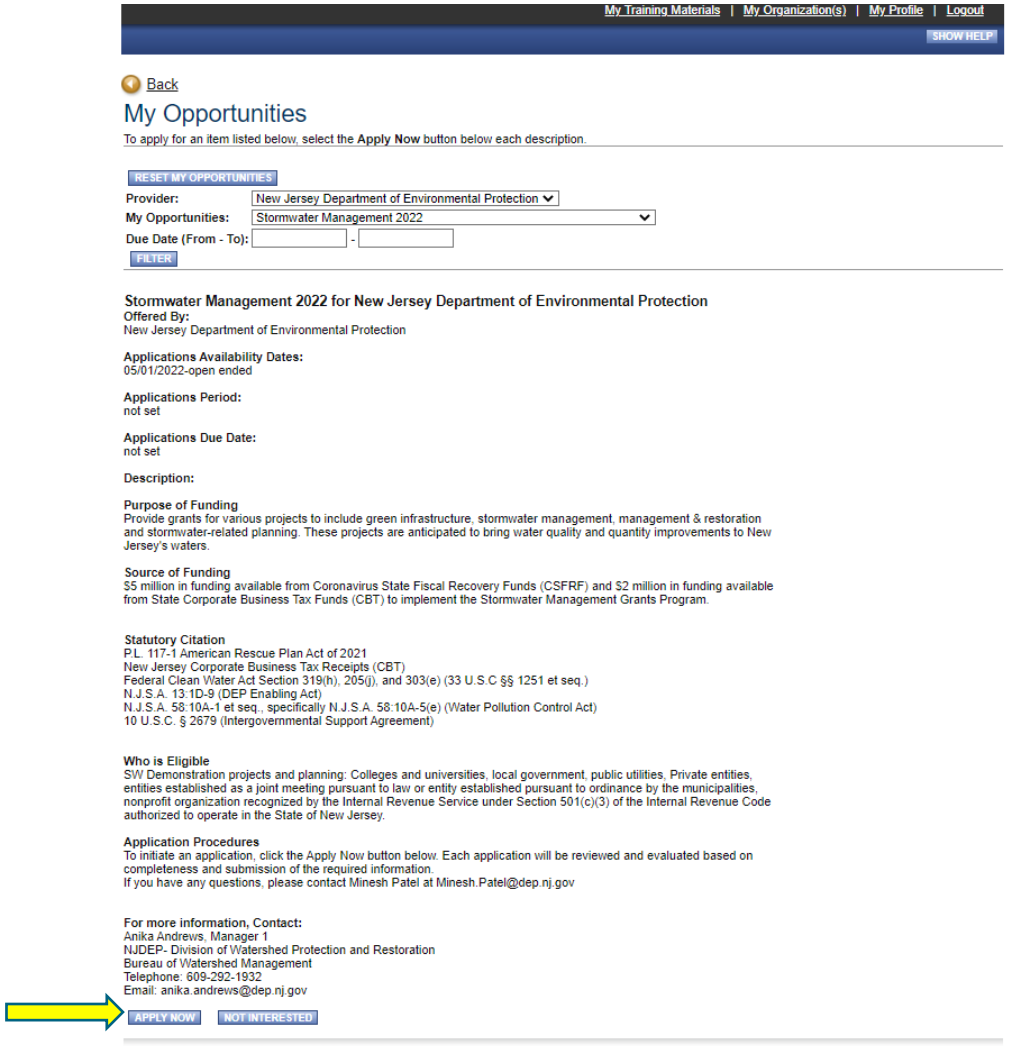

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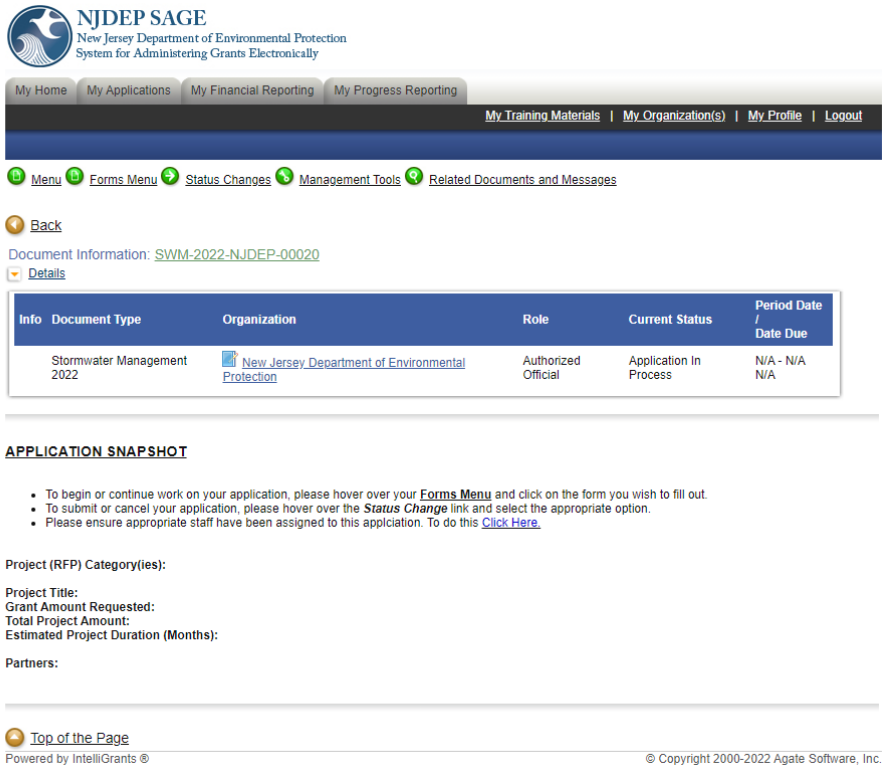
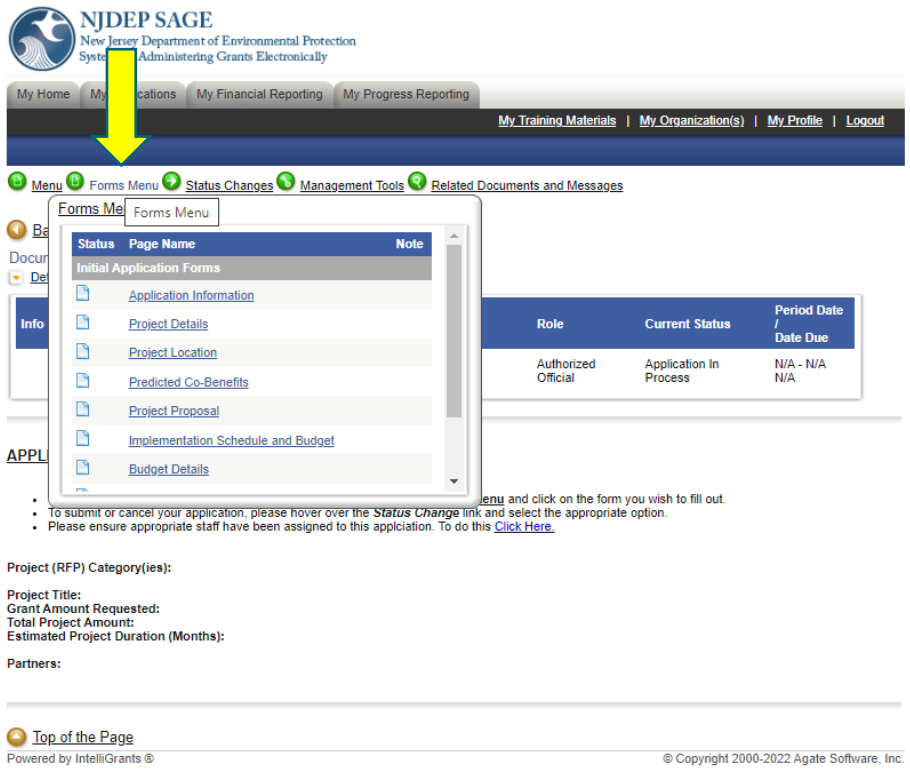
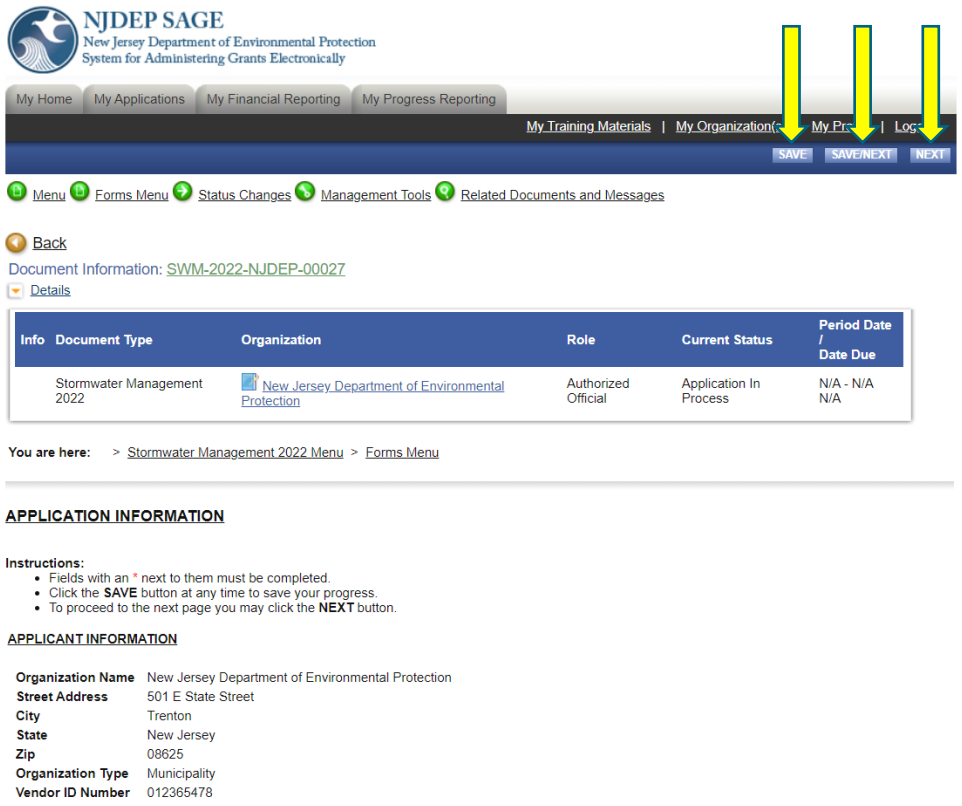


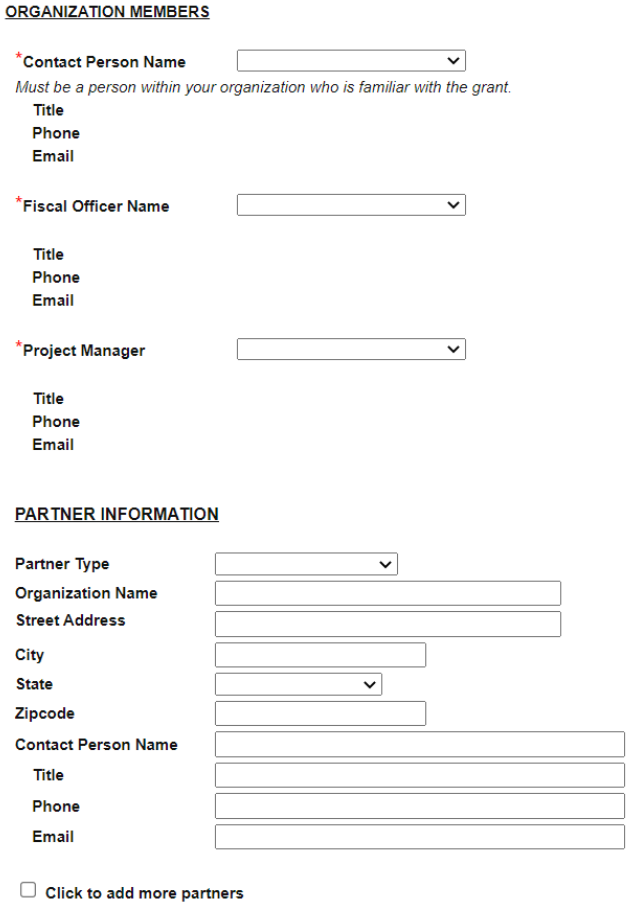


Apply and Submit an Application

Form Menus:

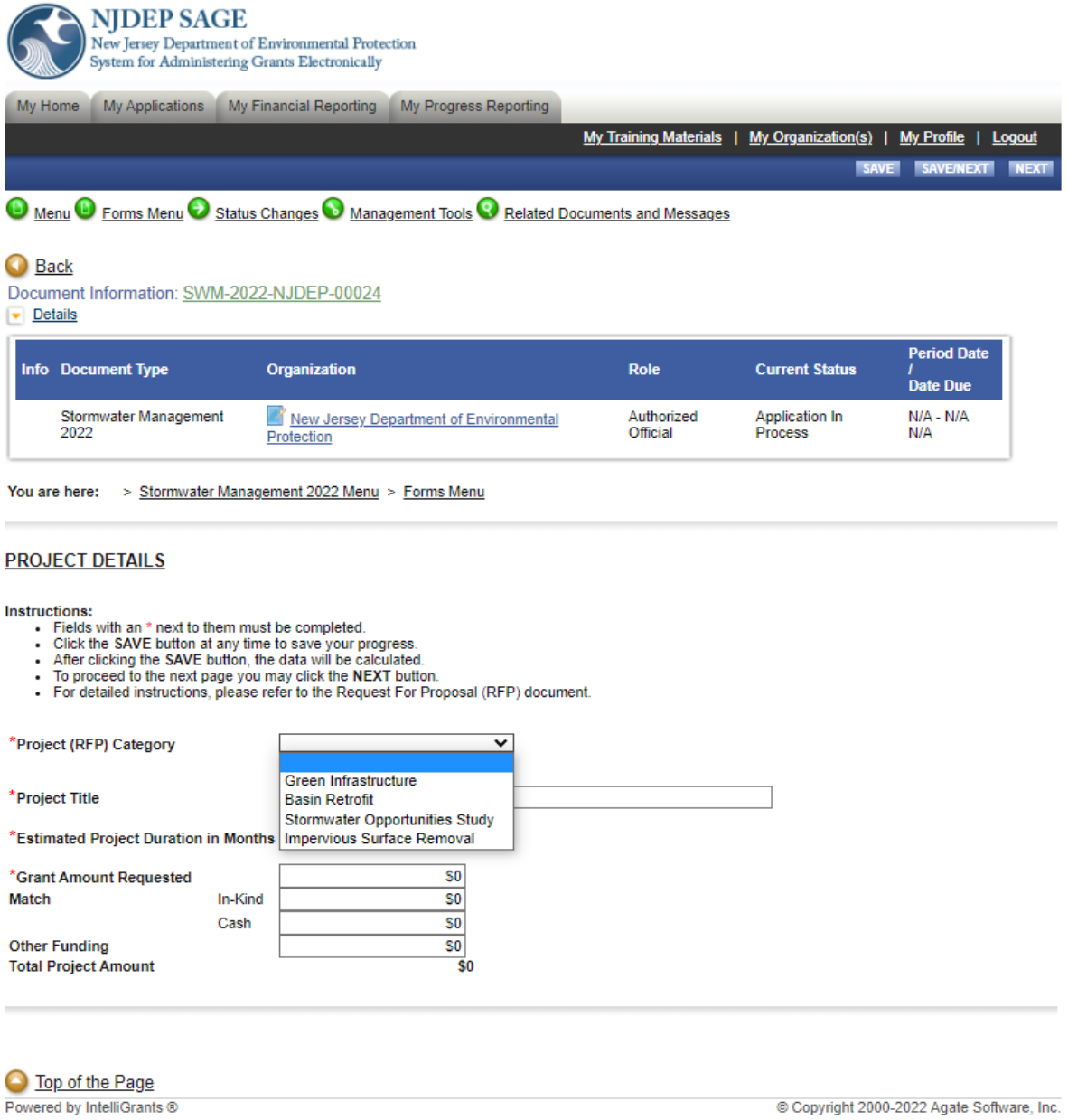
Application Information





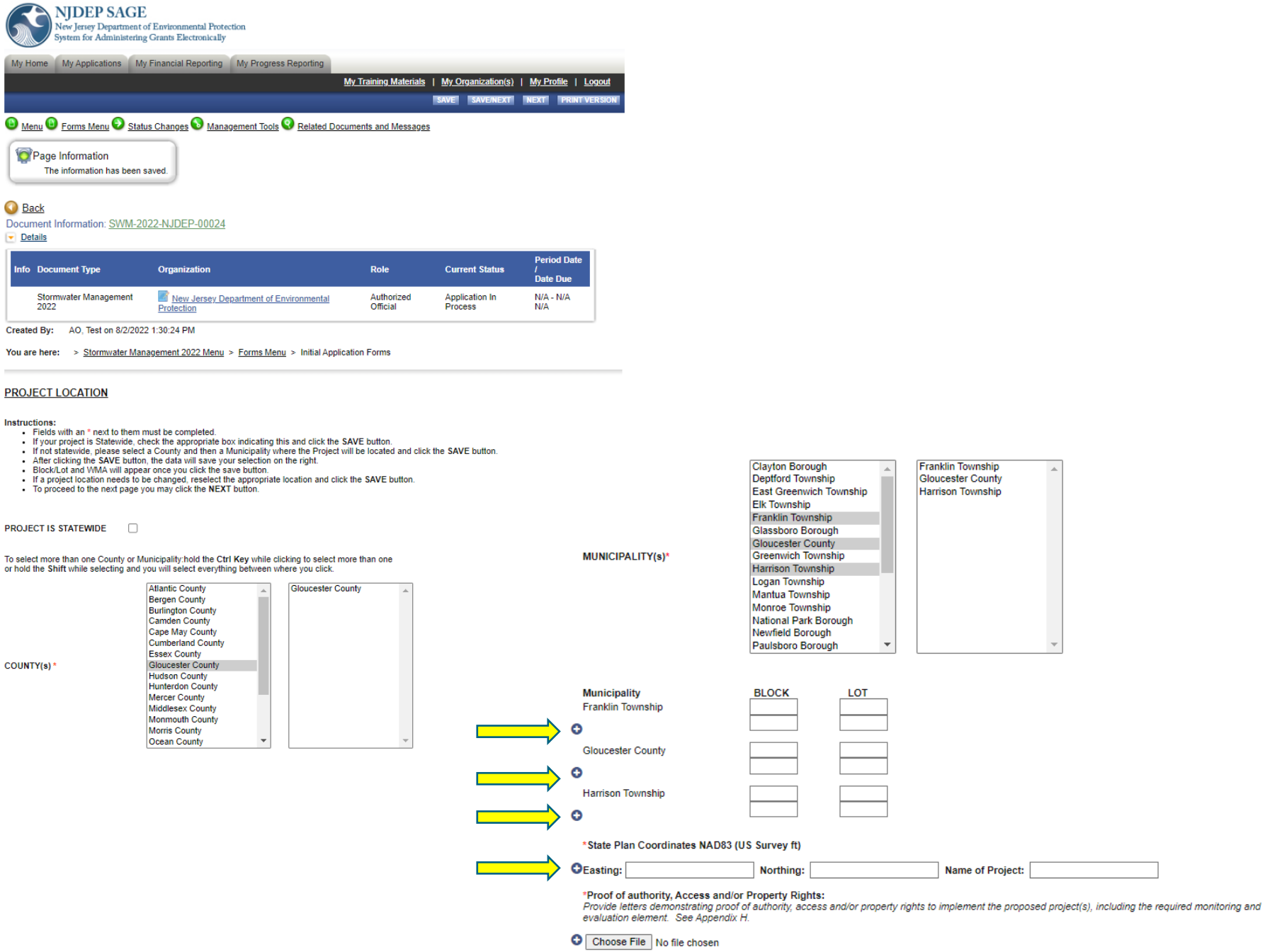
Form Menus:

Project Details



Form Menus:

Project Location



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Details

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	Stormwater Management 2022	New Jersey Department of Environmental Protection	Authorized Official	Application In Process	N/A - N/A N/A

Created By: AO, Test on 8/2/2022 1:30:24 PM

You are here: > Stormwater Management 2022 Menu > Forms Menu > Initial Application Forms

PROJECT LOCATION

Instructions:
- Fields with an * next to them must be completed.
- If your project is Statewide, check the appropriate box indicating this and click the SAVE button.
- If not statewide, please select a County and then a Municipality where the Project will be located and click the SAVE button.
- After clicking the SAVE button, the data will save your selection on the right.
- Block/Lot and WMA will appear once you click the save button.
- If a project location needs to be changed, reselect the appropriate location and click the SAVE button.
- To proceed to the next page you may click the NEXT button.

PROJECT IS STATEWIDE ☐

To select more than one County or Municipality:hold the Ctrl Key while clicking to select more than one or hold the Shift while selecting and you will select everything between where you click.

COUNTY(s) *

Atlantic County
Bergen County
Burlington County
Camden County
Cape May County
Cumberland County
Essex County
Gloucester County
Hudson County
Hunterdon County
Mercer County
Middlesex County
Monmouth County
Morris County
Ocean County

Gloucester County

MUNICIPALITY(s)*

Clayton Borough
Deptford Township
East Greenwich Township
Elk Township
Franklin Township
Glassboro Borough
Gloucester County
Greenwich Township
Harrison Township
Logan Township
Mantua Township
Monroe Township
National Park Borough
Newfield Borough
Paulsboro Borough

Franklin Township
Gloucester County
Harrison Township

Municipality	BLOCK	LOT
Franklin Township		
Gloucester County		
Harrison Township		

*State Plan Coordinates NAD83 (US Survey ft)

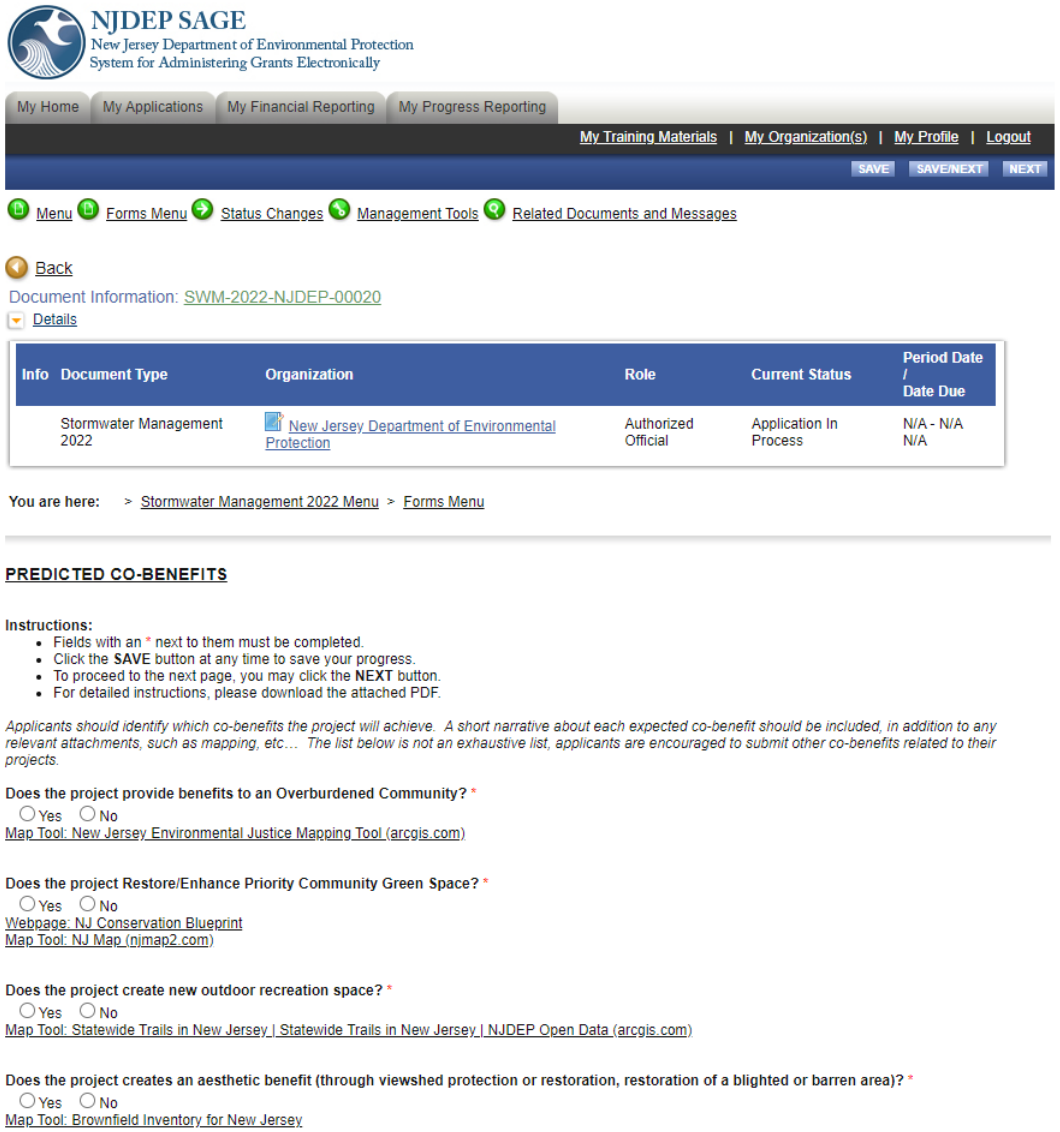
Easting: Northing: Name of Project:

*Proof of authority, Access and/or Property Rights:
Provide letters demonstrating proof of authority, access and/or property rights to implement the proposed project(s), including the required monitoring and evaluation element. See Appendix H.

Choose File No file chosen

Form Menus:

Predicted Co-Benefits



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PREDICTED CO-BENEFITS

Instructions:

- Fields with an * next to them must be completed.
- Click the **SAVE** button at any time to save your progress.
- To proceed to the next page, you may click the **NEXT** button.
- For detailed instructions, please download the attached PDF.

Applicants should identify which co-benefits the project will achieve. A short narrative about each expected co-benefit should be included, in addition to any relevant attachments, such as mapping, etc… The list below is not an exhaustive list, applicants are encouraged to submit other co-benefits related to their projects.

Does the project provide benefits to an Overburdened Community? *

Yes No

Map Tool: New Jersey Environmental Justice Mapping Tool (arcgis.com)

Does the project Restore/Enhance Priority Community Green Space? *

Yes No

Webpage: NJ Conservation Blueprint

Map Tool: NJ Map (njmap2.com)

Does the project create new outdoor recreation space? *

Yes No

Map Tool: Statewide Trails in New Jersey | Statewide Trails in New Jersey | NJDEP Open Data (arcgis.com)

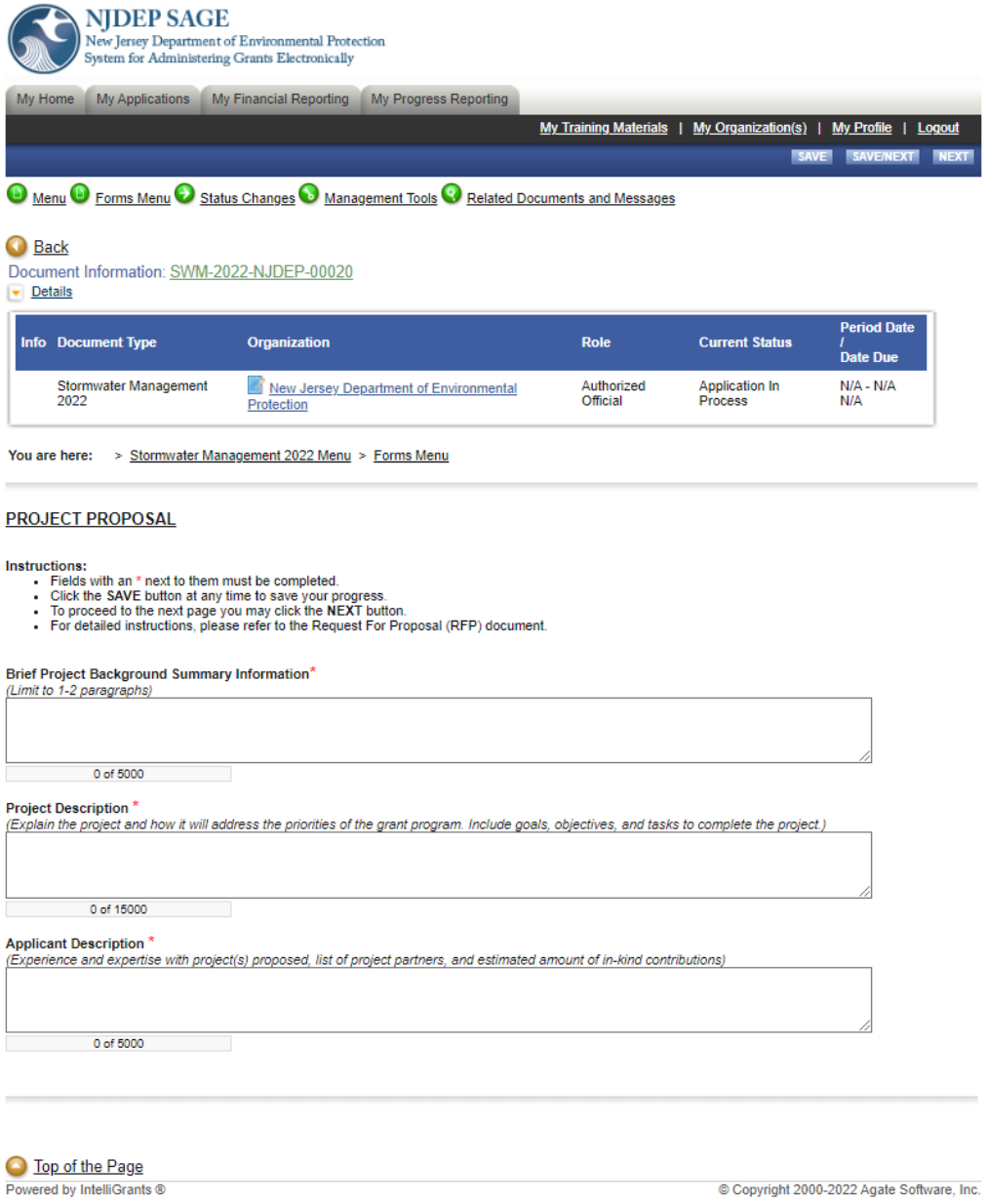
Does the project creates an aesthetic benefit (through viewshed protection or restoration, restoration of a blighted or barren area)? *

Yes No

Map Tool: Brownfield Inventory for New Jersey

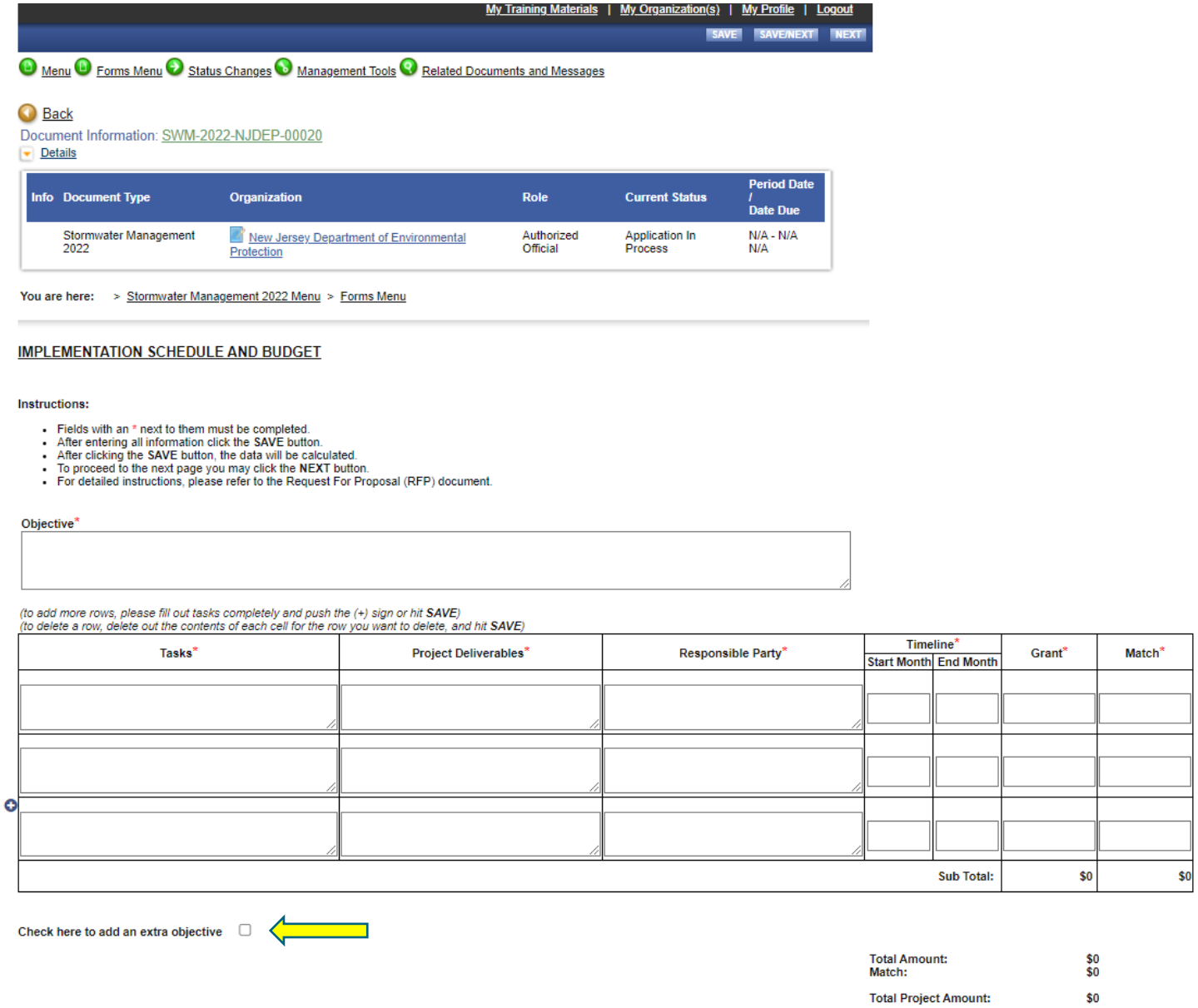
Form Menus:

Project Proposal



Form Menus:

Implementation Schedule and Budget



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IMPLEMENTATION SCHEDULE AND BUDGET

Instructions:

- Fields with an * next to them must be completed.
- After entering all information click the **SAVE** button.
- After clicking the **SAVE** button, the data will be calculated.
- To proceed to the next page you may click the **NEXT** button.
- For detailed instructions, please refer to the Request For Proposal (RFP) document.

Objective*

*(to add more rows, please fill out tasks completely and push the (+) sign or hit **SAVE**)*
*(to delete a row, delete out the contents of each cell for the row you want to delete, and hit **SAVE**)*

Tasks*	Project Deliverables*	Responsible Party*	Timeline* Start Month	Timeline* End Month	Grant*	Match*
				Sub Total:	$0	$0

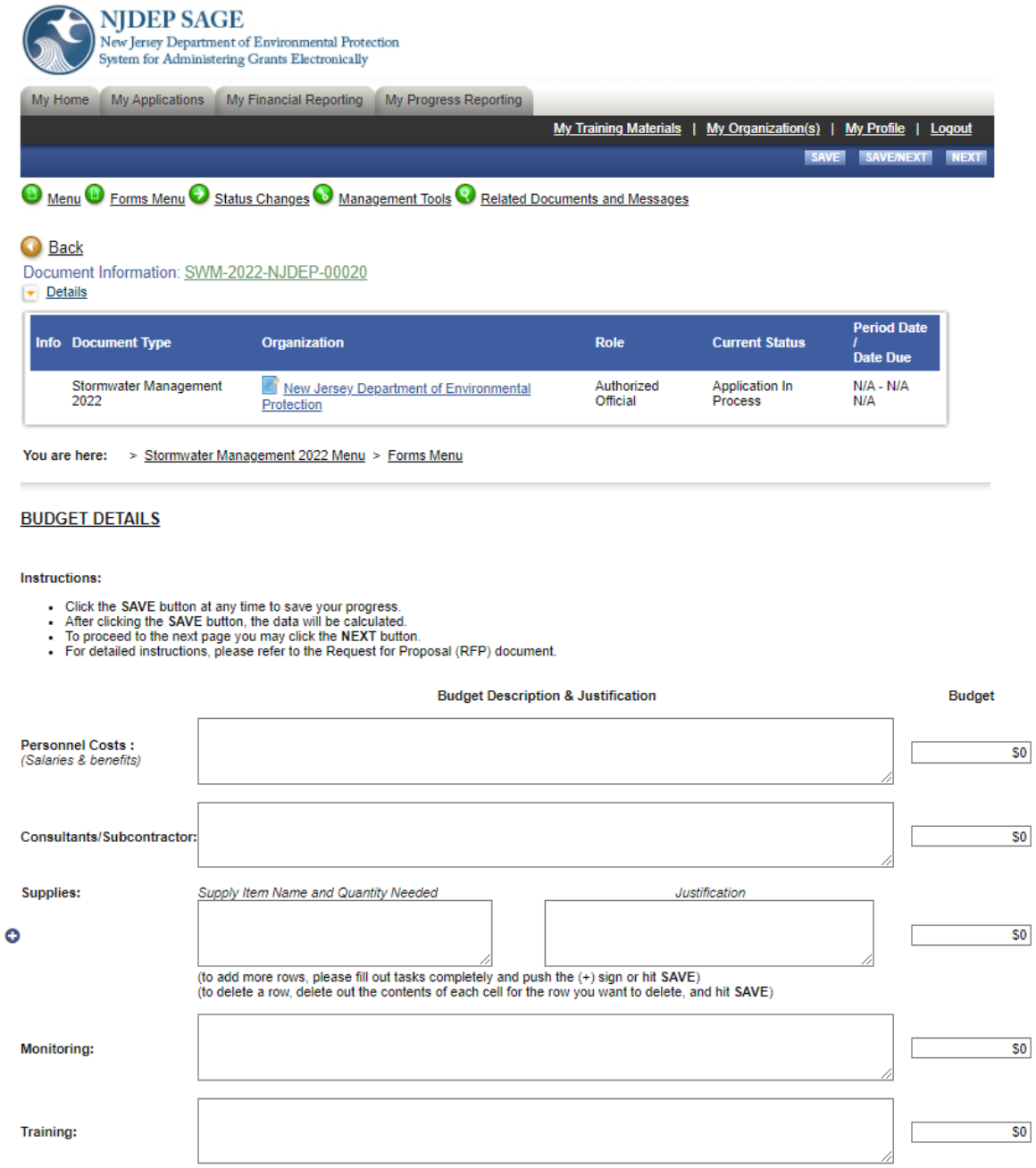
Check here to add an extra objective ☐

Total Amount: $0
Match: $0

Total Project Amount: $0

Form Menus:

Budget Details



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BUDGET DETAILS

Instructions:

- Click the **SAVE** button at any time to save your progress.
- After clicking the **SAVE** button, the data will be calculated.
- To proceed to the next page you may click the **NEXT** button.
- For detailed instructions, please refer to the Request for Proposal (RFP) document.

	Budget Description & Justification	Budget
Personnel Costs : *(Salaries & benefits)*		$0
Consultants/Subcontractor:		$0
Supplies:	*Supply Item Name and Quantity Needed* / *Justification*	$0
Monitoring:		$0
Training:		$0

(to add more rows, please fill out tasks completely and push the (+) sign or hit **SAVE**)
(to delete a row, delete out the contents of each cell for the row you want to delete, and hit **SAVE**)

Form Menus:

Supplemental Information

SUPPLEMENTAL INFORMATION

- Fields with an * next to them must be completed.
- Click the **SAVE** button at any time to save your progress.
- To proceed to the next page you may click the **NEXT** button.
- For detailed instructions, please refer to the Request For Proposal (RFP) document.

Letter of Support:*
(Provide letters demonstrating support for the project from relevant community organizations)
Choose File No file chosen

Letter of Match Commitment:*
(Upload any letters of match commitment with the amount of funds listed)
Choose File No file chosen

Site plan or dated large-scale map: *
(shows project area in detail, as well as any regulated features such as flood hazard areas, riparian buffers, wetlands, etc., that would be impacted by any proposed construction)
Choose File No file chosen

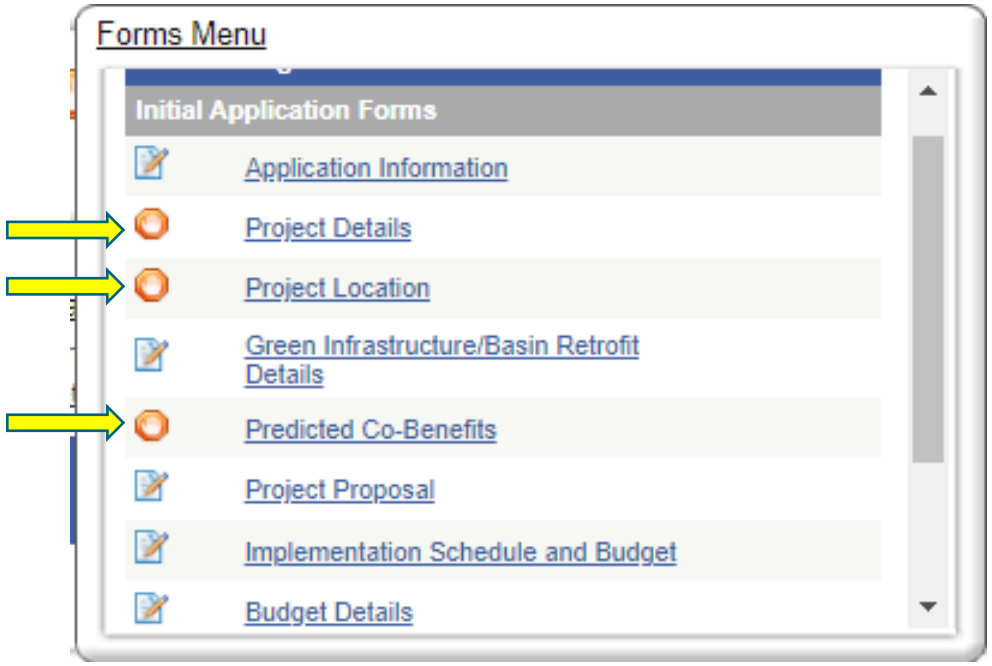
Landscape planting plans using native vegetation:*
Choose File No file chosen

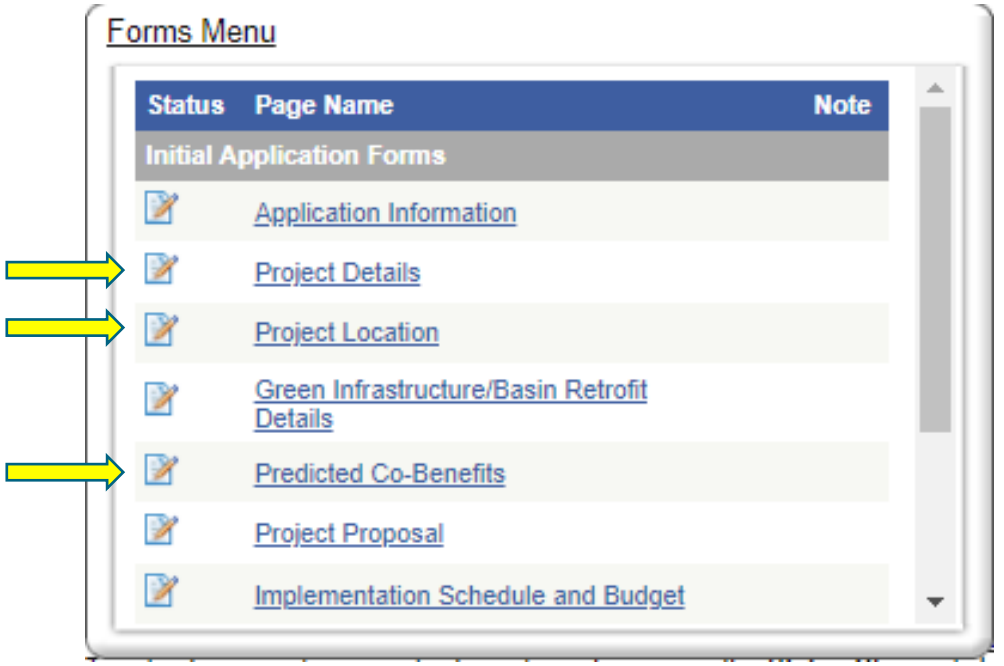
Document outlining longterm maintenance plans, schedules and list of responsible party:*
(Provide proof of the responsible party accepting the obligation for maintenance)
Choose File No file chosen

Permits: *
(If executed, permits for the project or list of required local and state permits expected to be needed for project implementation)
Choose File No file chosen

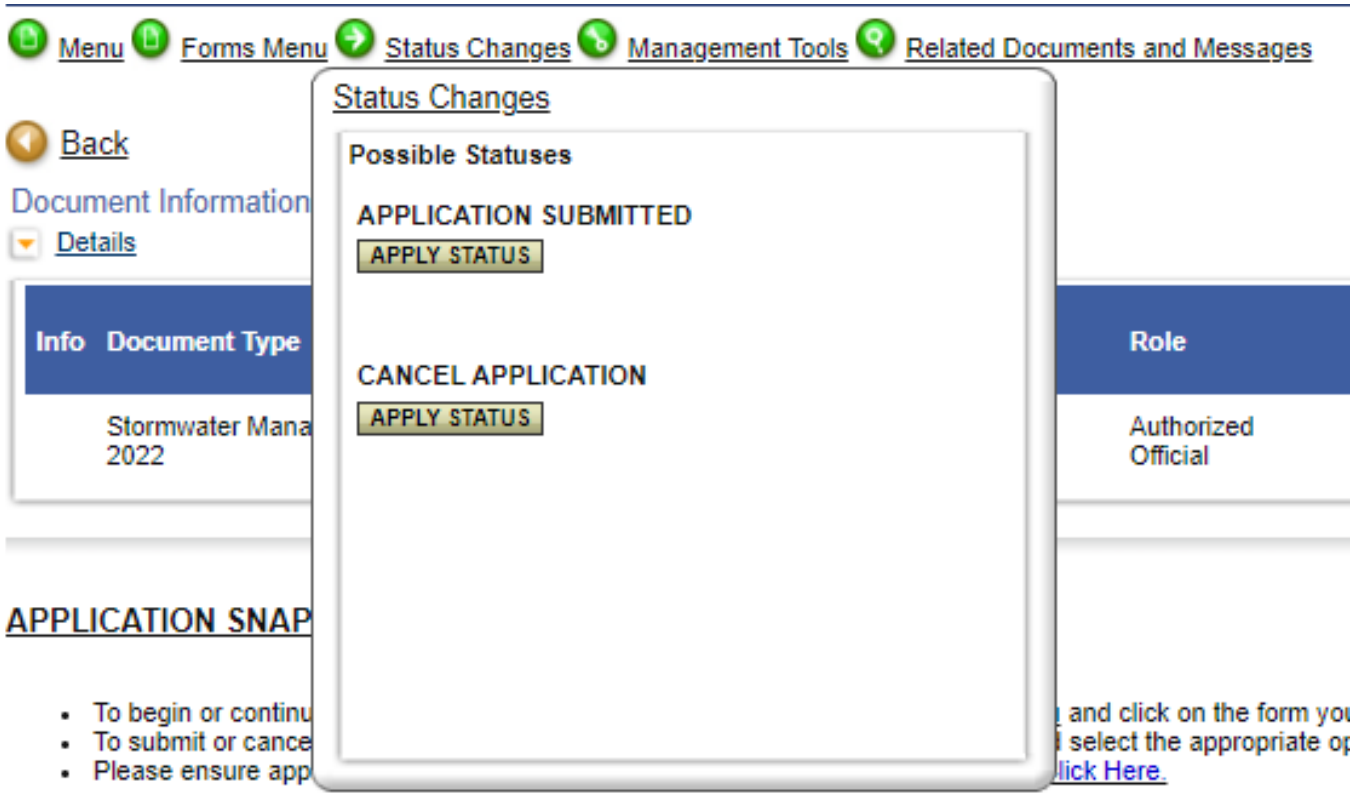
Enforcement Documents: *
Choose File No file chosen

Photo(s) of the site (max of 10): *
Choose File No file chosen

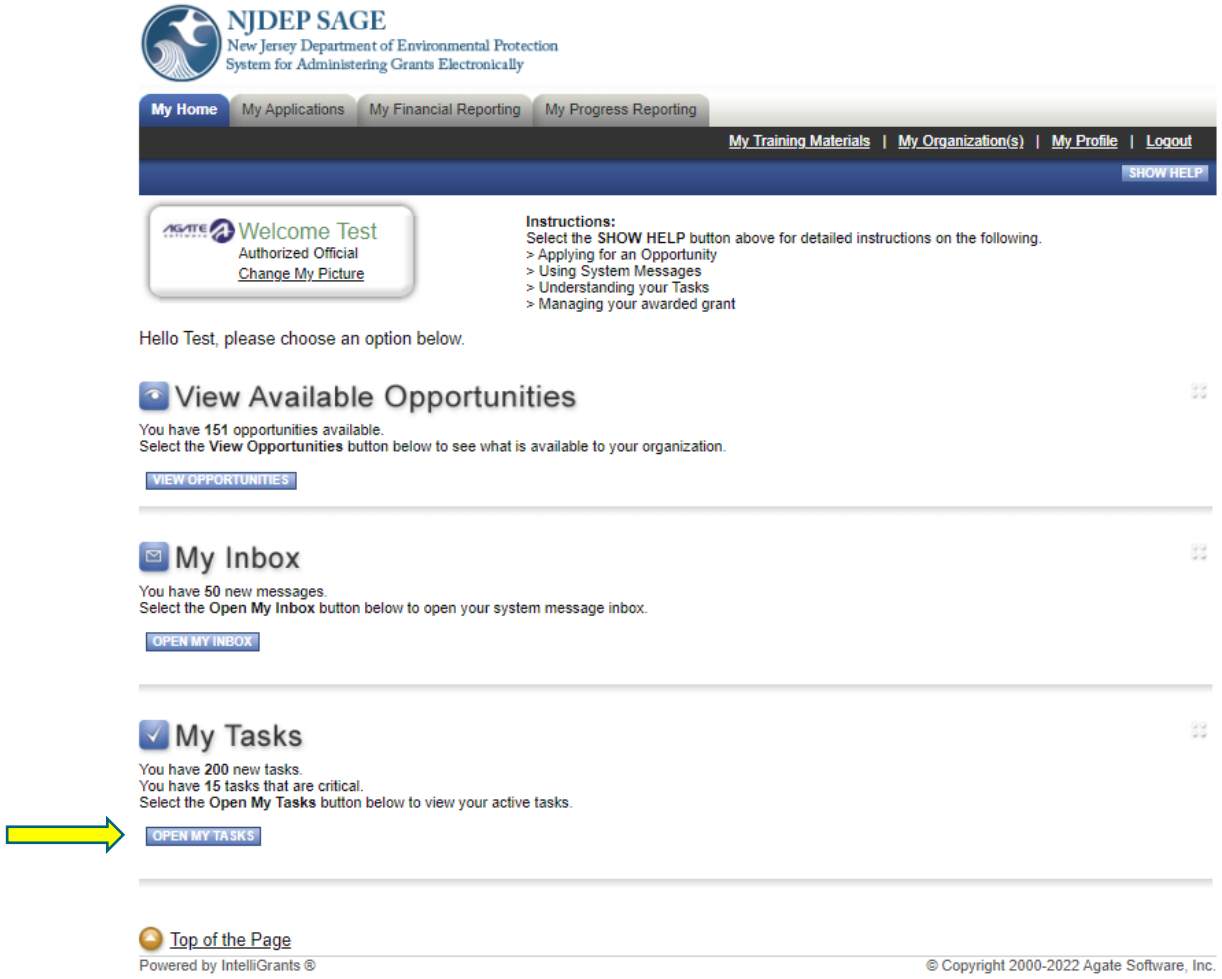




Apply and Submit an Application



Apply and Submit an Application



How to Retrieve an Application/Document

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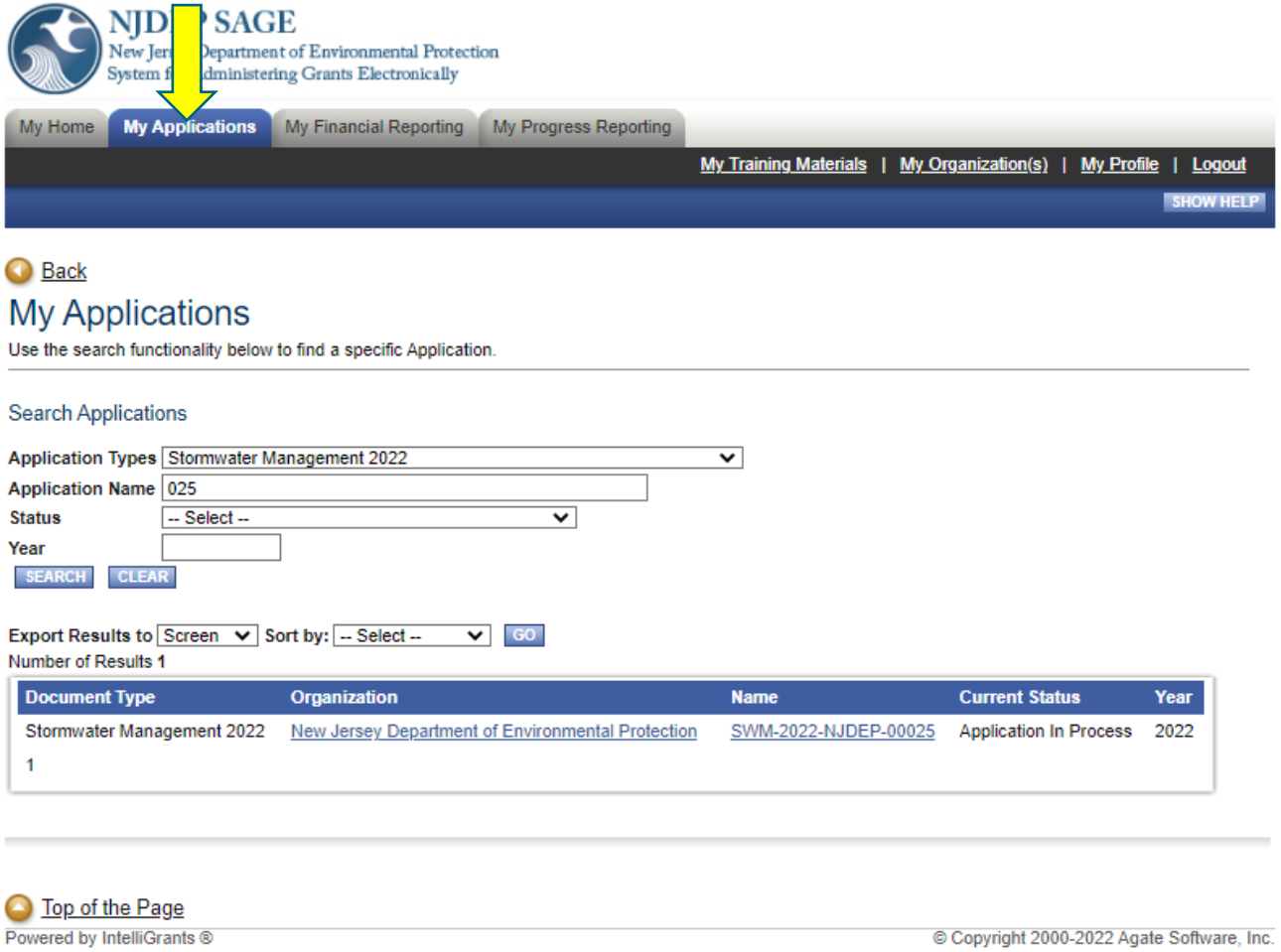
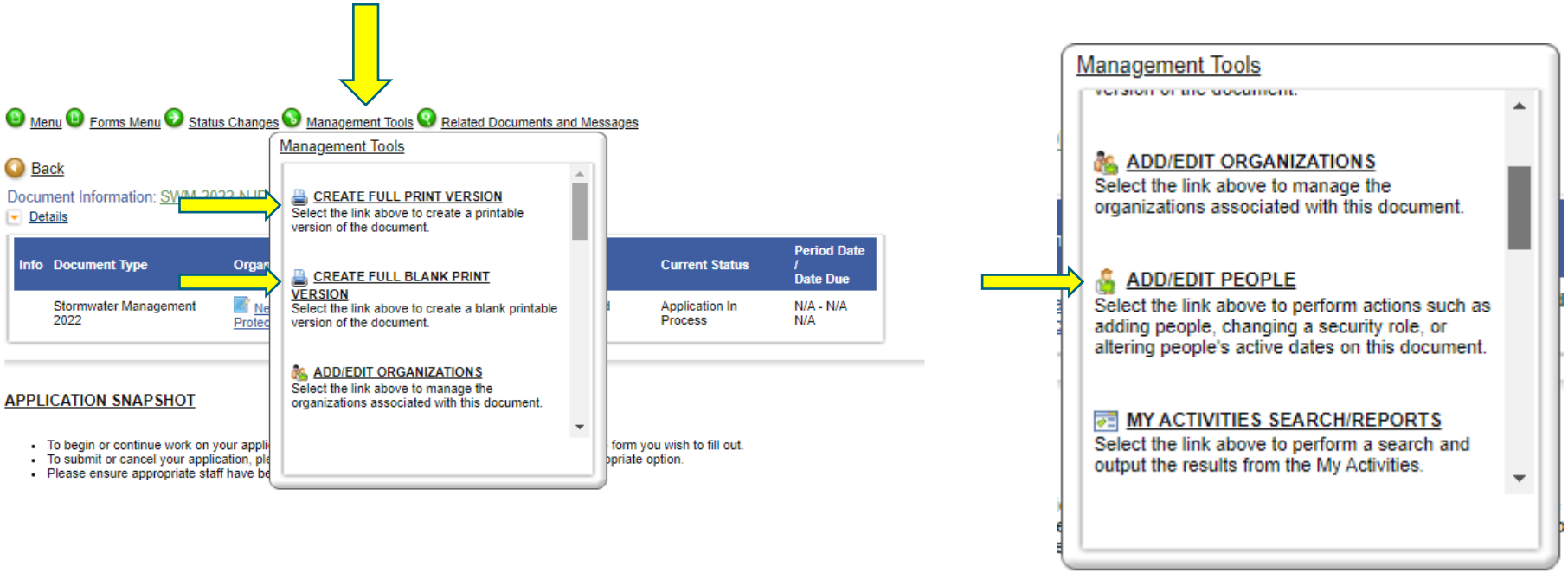


How to Retrieve an Application/Document



Management Tools

Current People Assigned

Person	Organization(s)	Role	Active Dates	Assigned By
Test AO Email	Test Org 2 (Authorized Official), Interlaken Borough (Authorized Official), Forestry Test Organization (Grant Administrator), Jake's Test Org (Authorized Official), New Jersey Department of Environmental Protection (Authorized Official), Test Municipality Shade Tree Commission (Authorized Official), East Amwell Township (Authorized Official), Test Ye Olde Computer Shoppe LLC (Authorized Official), Test EV Manufacturer Corp (Authorized Official), Test Midsomer County (Authorized Official), Cumberland County Health Department (Authorized Official), Borough of Rutherford (Authorized Official), ABC Company (Authorized Official), Test Montclair CLG (Authorized Official)	Authorized Official	8/3/2022 -	Grant System
Test Viewer Email	New Jersey Department of Environmental Protection (Viewer)	Viewer	8/3/2022 -	Grant System
Emily Farschon Email		Authorized Official	8/3/2022 -	
Kyle2 TestRegistration2 Email		Authorized Official	8/2/2022 -	

Management Tools

- If you add a member to your organization after you initiated the grant application, those members will NOT be automatically associated with the document. You will have to go to Management Tools-Add/Edit People in the document and add them.
- The “My Task” Section only appears on the Home page when there is an action that the applicant or grantee needs to perform.
- Make sure you SAVE each page of the application, and it contains no errors.
- When the application is complete, go to “Status Changes” and click the Apply Status button underneath Application Submitted.
- The best browser to use is Google Chrome or Microsoft Edge

Final Thoughts

Contact

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Environmental Engineer

Bureau of Flood Hazard and Stormwater Engineering

stormwatergrantsinfo@dep.nj.gov

https://nj.gov/dep/wlm/grants/swgrant.html

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