

# Natural Resources and Environmental Control



## Project Summary Chart

### State Capital Funds

	FY 2024	FY 2025 Request	FY 2025 Recommended	FY 2026 Request	FY 2027 Request
1. Clean Water State Revolving Fund	\$ 18,000,000	\$ 6,000,000	\$ 9,000,000	\$ 6,000,000	\$ 6,000,000
2. Shoreline and Waterway Management	\$ 7,500,000	\$ 10,000,000	\$ 5,000,000	\$ 10,000,000	\$ 10,000,000
3. Park Facility Rehab and Public Recreational Infrastructure	\$ 8,700,000	\$ 13,000,000	\$ 5,000,000	\$ 13,000,000	\$ 13,000,000
4. Resource, Conservation and Development	\$ 10,000,000	\$ 10,000,000	\$ 5,000,000	\$ 10,000,000	\$ 10,000,000
5. Minor Capital Improvements and Equipment	\$ 1,000,000	\$ 2,000,000	\$ 1,000,000	\$ 2,000,000	\$ 2,000,000
6. Conservation Cost Share	\$ 1,700,000	\$ 4,000,000	\$ 3,200,000	\$ 4,000,000	\$ 4,000,000
7. Christina/Brandywine Remediation, Restoration and Resilience Project (CBR4)	\$ 786,000	\$ 750,000	\$ -	\$ 750,000	\$ 750,000
8. Statewide Groundwater Monitoring Network	\$ 600,000	\$ 200,000	\$ -	\$ 60,000	\$ 60,000
9. Tax Ditches	\$ 2,148,700	\$ 2,148,700	\$ 1,500,000	\$ 2,148,700	\$ 2,148,700
10. Debris Pits	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000
11. Dikes/Dams	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000
12. Statewide Trails and Pathways	\$ 1,000,000	\$ 3,000,000	\$ 1,000,000	\$ 3,000,000	\$ 3,000,000
13. EDA Implementation Lums Pond, Killens Pond, Fort Delaware and Trap Pond Dock Repairs	\$ 2,000,000	\$ 2,000,000	\$ -	\$ 2,000,000	\$ 2,000,000
14. Killens Pond Waterpark Improvements	\$ 3,000,000	\$ 3,250,000	\$ 3,000,000	\$ -	\$ -
15. Delaware Bayshore Initiative	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
16. Conservation Reserve Enhancement Program (CREP)	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
17. Lums Pond Outdoor Adventure Center	\$ 750,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ -
18. Water Quality Data Portal Expansion	\$ -	\$ 60,000	\$ -	\$ 30,000	\$ 30,000
19. Fenwick Island State Park Renovations	\$ -	\$ 7,000,000	\$ 1,000,000	\$ -	\$ -
20. Coastal Region Bathhouse Renovation and Dune Crossing	\$ -	\$ 3,000,000	\$ -	\$ 3,000,000	\$ 2,000,000
21. Thompson Island Restoration	\$ -	\$ 1,650,000	\$ -	\$ -	\$ -
22. Cape Henlopen Park Office and Entrance	\$ -	\$ 6,000,000	\$ -	\$ 6,000,000	\$ -
23. Brandywine Zoo Improvements	\$ -	\$ 600,000	\$ -	\$ 2,000,000	\$ 2,000,000
24. Cape Pier Replacement Planning and Construction	\$ -	\$ 1,000,000	\$ -	\$ 4,000,000	\$ 4,000,000
25. Poplar Thicket Erosion Project	\$ -	\$ 750,000	\$ -	\$ 2,250,000	\$ -
NA Redevelopment of Strategic Sites (Fort DuPont)	\$ 2,250,000	\$ 11,400,000	\$ 2,250,000	\$ -	\$ -
<b>Total</b>	<b>\$ 61,959,700</b>	<b>\$ 93,333,700</b>	<b>\$ 42,475,000</b>	<b>\$ 75,763,700</b>	<b>\$ 63,513,700</b>

## 1. Clean Water State Revolving Fund

Funding is requested to provide the required 20 percent and 10 percent State Match for the Federal Clean Water State Revolving Fund (CWSRF) Capitalization Grants (estimated to be \$3.6 million). This includes \$6.4 million to provide assistance to low-income and traditionally under-served communities through state grants, continuing the Clean Water Initiative (CWI). It is anticipated that Delaware's FY2025-2026 federal grants will be increasing as a result of the current reauthorization and additional SRF funding of approximately \$59.5 million through FY 2026. Funding will support environmental infrastructure capital projects to maintain and improve water quality. Through Delaware's CWSRF Program, these funds provide financial assistance loans to public and private entities for planning, design and construction of wastewater collection, treatment and disposal facilities; stormwater infrastructure improvements; non-point source projects; and estuary water pollution control projects. Funding for FY 2025 - FY 2026 includes estimated State Match and \$1.6 million is requested each year for the CWI that will continue to provide assistance to low-income and underserved communities through grants.

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## Funding Schedule

	State	Federal*	Other
FY 2024	\$ 18,000,000	\$ 14,878,000	\$ -
FY 2025	\$ 6,000,000	\$ 14,959,000	\$ -
FY 2026	\$ 6,000,000	\$ 14,959,000	\$ -
FY 2027	\$ 6,000,000	\$ 14,959,000	\$ -
<b>Total</b>	<b>ONGOING</b>	<b>ONGOING</b>	<b>\$ -</b>

\*Using Bipartisan Infrastructure Law appropriations from (FFY 2022-2026) and Estimated CWSRF Base Cap Grant appropriations using recent EPA publications of reauthorization of the Drinking Water and Wastewater Infrastructure Act of 2021 (S.914) and supplemental funding within the 2022 Budget for the U.S. Environmental Protection Agency (H.R. 4502).

## 2. Shoreline and Waterway Management

Funding is requested to carry out the State’s Beach Preservation program along the Atlantic Ocean coast and Delaware Bay shoreline, Delaware Inland Bays sediment management, Indian River Bypass Project and University of Delaware Citizen Monitoring program efforts.

Under the State’s Beach Preservation program, work typically includes beach nourishment, structural erosion control measures, public dune maintenance and emergency storm repair and cleanup. Work is done only on publicly accessible beaches and may involve cost sharing with federal and local governments.

Under plans prepared by the U.S. Army Corps of Engineers, federal cost-shared beach nourishment projects are undertaken on a three to five-year cycle for 50 years. Funding is requested to provide a match for federal funds to nourish Rehoboth Beach, Dewey Beach, Bethany Beach and South Bethany beaches, and limited short-term fix truck-hauled beach fill projects along certain Delaware Bay beach communities.

## Funding Schedule

	State	Federal	Other*
FY 2024	\$ 7,500,000	\$ 1,000,000	\$ 4,300,000
FY 2025	\$ 10,000,000	\$ 1,700,000	\$ -
FY 2026	\$ 10,000,000	\$ 7,000,000	\$ -
FY 2027	\$ 10,000,000	\$ 1,000,000	\$ -
<b>Total</b>	<b>ONGOING</b>	<b>ONGOING</b>	<b>ONGOING</b>

\*The source of Other funds are the Public Accommodation Tax and the Waterway Management Fee.

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## 3. Park Facility Rehab and Public Recreational Infrastructure

Funding is requested to rehabilitate the State’s park and wildlife area systems which currently contain more than 700 buildings in 32 public access areas on almost 100,000 acres statewide. Prior years' funding has gone to the addition of pavilions statewide, updating bathroom facilities, maintaining historic structures, statewide roofing projects and repaving of critical parking areas and roadways. Priority for funds is the continuation of paving at state parks, historic preservation, park office upgrades utility improvements and deferred maintenance. The Division of Fish & Wildlife is requesting Facility Maintenance - Deferred maintenance projects and upgrades of buildings, as well as the demolition of unsafe and unneeded structures.

### Funding Schedule

	State	Federal	Other
FY 2024	\$ 8,700,000	\$ 750,000	\$ -
FY 2025	\$ 13,000,000	\$ -	\$ -
FY 2026	\$ 13,000,000	\$ -	\$ -
FY 2027	\$ 13,000,000	\$ -	\$ -
<b>Total</b>	<b>ONGOING</b>	<b>ONGOING</b>	<b>\$ -</b>

## 4. Resource, Conservation and Development

Funding is requested to continue the design and construction of Resource, Conservation and Development (RC&D) projects statewide. RC&D projects were originally established by the Twenty-First Century Fund Investments Act of 1995 that resulted from a settlement with the State of New York. The RC&D portion of the act was created to provide funding to enhance the health of communities by improving watershed and drainage issues statewide. These projects are implemented by a partnership between the Department of Natural Resources and Environmental Control (DNREC) and Delaware’s three Conservation Districts.

### Funding Schedule

	State	Federal	Other*
FY 2024	\$ 10,000,000	\$ 150,000	\$ 1,000,000
FY 2025	\$ 10,000,000	\$ 150,000	\$ 1,000,000
FY 2026	\$ 10,000,000	\$ 150,000	\$ 1,000,000
FY 2027	\$ 10,000,000	\$ 150,000	\$ 1,000,000
<b>Total</b>	<b>ONGOING</b>	<b>ONGOING</b>	<b>ONGOING</b>

\*The source of Other funds are required match from the Community Transportation Funds (10 percent).

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## 5. Minor Capital Improvements (MCI) and Equipment

Funding is requested for the minor capital improvements and acquisition and replacement of critical equipment essential in performing environmental and natural resource operation, conservation, protection and research activities. The minor capital improvements and critical equipment provides public services and infrastructure support to almost 100,000 acres of public land, 700 buildings, 17 state parks, 19 wildlife management areas, 34 natural preserves, two national estuarine research reserve sites, 65 freshwater ponds and marine access areas, all Delaware waterways and environmental laboratory services.

### Funding Schedule

	State	Federal	Other
FY 2024	\$ 1,000,000	\$ -	\$ -
FY 2025	\$ 2,000,000	\$ -	\$ -
FY 2026	\$ 2,000,000	\$ -	\$ -
FY 2027	\$ 2,000,000	\$ -	\$ -
<b>Total</b>	<b>ONGOING</b>	<b>\$ -</b>	<b>\$ -</b>

## 6. Conservation Cost Share

Funding is requested to expand the Conservation Cost Share program. This program is the State’s principal financial support mechanism for the design and installation costs of practices that provide water quality improvements; provide wildlife habitat; and protect human health, natural resources, water supplies and Delaware’s farmland soils. The program provides funds as incentives to landowners or users for the public benefit. Landowners that receive benefits, must pay a portion of the cost to locate, design, install and maintain conservation practices and systems. Of the amount needed for this program, 70 percent will be divided equally among the three counties to expand their programs. The remaining balance will be directed toward nutrient management efforts statewide.

### Funding Schedule

	State	Federal	Other*
FY 2024	\$ 1,700,000	\$ 8,750,000	\$ 3,800,000
FY 2025	\$ 4,000,000	\$ 8,750,000	\$ 5,190,000
FY 2026	\$ 4,000,000	\$ 8,750,000	\$ 5,190,000
FY 2027	\$ 4,000,000	\$ 8,750,000	\$ 5,190,000
<b>Total</b>	<b>ONGOING</b>	<b>ONGOING</b>	<b>ONGOING</b>

\*The source of Other funds are a combination of landowner contributions and funding obtained from the Conservation Districts.

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## 7. Christina/Brandywine Remediation, Restoration and Resilience Project (CBR4)

Funding is requested for two CBR4 Project components. 1.) Funding is requested for design and construction of an ecological restoration/public access project along the Brandywine River in Wilmington (\$600,000); 2.) Funding is requested for Delaware Nature Society to act as overall public and private CBR4 initiative facilitator for three years (\$150,000). For item 1, the DNREC CBR4 Team (DWS, DWHS, Parks & DCCE) will combine talents to design and construct an environmentally functional public access point to the Brandywine River at the site of former Dam #1, which was removed in 2019. The project will aim to restore unique, high value riverine habitat and reforest upper areas of the river bank. The site provides unique sunny riverine cobble habitat uncommon elsewhere on the lower Brandywine, and presents an opportunity to improve flood resilience and carbon sequestration, while providing another access point to the river within an "Environmental Justice" Community. This project will align with the Delaware Greenways Brandywine Heritage Trail system as a downstream terminus. For item 2, funds will be provided to DNS in return for three years of continued coordination and facilitation of the larger community-wide CBR4 initiative. DNS personnel have been performing the same role for several years in association with a National Fish and Wildlife Foundation planning grant. As the grant activities have been completed, DNREC's desire is for consistency and continuity in managing the many CBR4 partner organizations and associated remediation, restoration and resilience projects within the tidal Christina and Brandywine Rivers.

### Funding Schedule

	State	Federal	Other
FY 2022	\$ 500,000	\$ 49,991	\$ -
FY 2023	\$ 750,000	\$ -	\$ -
FY 2024	\$ 786,000	\$ -	\$ -
FY 2025	\$ 750,000	\$ -	\$ -
FY 2026	\$ 750,000	\$ -	\$ -
FY 2027	\$ 750,000	\$ -	\$ -
<b>Total</b>	<b>\$ 4,286,000</b>	<b>\$ 49,991</b>	<b>\$ -</b>

## 8. Statewide Groundwater Monitoring Network

Funding is requested for an integrated Statewide Groundwater Monitoring Network, in cooperation with the Delaware Geological Survey (DGS) and the Delaware Department of Natural Resources and Environmental Control (DNREC). The network currently has 56 sites that host 128 wells representing 17 major and local aquifers. Sussex County is undergoing significant population growth resulting in increased water demands for drinking water supplies, industry, and irrigation. Additionally, all monitoring wells installed as part of this project, will be sampled for background water quality parameters in accordance with safe drinking water standards as well as sampled for emerging contaminant impacts (i.e. PFAS and PFOA). Long-term benefits associated with this infrastructure request include establishing fixed monitoring points that will be routinely sampled by the DGS and DNREC, establishing a basin line for monitoring water

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levels and water supply availability in Sussex County, as well as monitor for impacts from salt water intrusion into local drinking water aquifers.

## Funding Schedule

	State	Federal *	Other
FY 2024	\$ 600,000	\$ 58,000	\$ -
FY 2025	\$ 200,000	\$ -	\$ -
FY 2026	\$ 60,000	\$ -	\$ -
FY 2027	\$ 60,000	\$ -	\$ -
<b>Total</b>	<b>\$ 920,000</b>	<b>\$ 58,000</b>	<b>\$ -</b>

\* Federal funding from the EPA is currently used for maintenance of the existing infrastructure associated with the Delaware Groundwater Monitoring Network as part of the appropriation received from the Clean Water Act Section 106 Grant.

## 9. Tax Ditches

Funding is requested for planning, surveying, engineering, permitting, construction of projects that improve tax ditches, channels, storm drains and related surface water infrastructure. A portion of these funds will be used to respond to drainage concerns from private landowners across the State. This funding allows the drainage program to provide technical and administrative assistance to 234 tax ditch organizations across the State.

## Funding Schedule

	State	Federal	Other
FY 2024	\$ 2,148,700	\$ -	\$ -
FY 2025	\$ 2,148,700	\$ -	\$ -
FY 2026	\$ 2,148,700	\$ -	\$ -
FY 2027	\$ 2,148,700	\$ -	\$ -
<b>Total</b>	<b>ONGOING</b>	<b>\$ -</b>	<b>\$ -</b>

## 10. Debris Pits

Funding is requested for the remediation of debris pits on private property where ground subsidence and sinkholes have caused significant property and/or structural damage to primary residences and residential fixtures. There are presently more than 100 properties on the waiting list for remediation, with an estimated seven to eight year wait time for remediation.

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## Funding Schedule

	State	Federal	Other*
FY 2024	\$ 1,000,000	\$ -	\$ 1,000,000
FY 2025	\$ 1,000,000	\$ -	\$ 1,000,000
FY 2026	\$ 1,000,000	\$ -	\$ 1,000,000
FY 2027	\$ 1,000,000	\$ -	\$ 1,000,000
<b>Total</b>	<b>ONGOING</b>	<b>\$ -</b>	<b>ONGOING</b>

\* The source of Other funds is a 1:1 match with New Castle County; assuming 100% of remediation projects in NCC.

## 11. Dikes/Dams

Funding is requested to perform emergency planning and monitoring, dam engineering, maintenance repairs and general construction for state-owned dams. Project work includes engineering and construction on improvements at Garrisons Lake, Blairs Pond, Griffith Pond and Abbotts Pond; hazards analysis and updates to Emergency Action Plans and Operations and Maintenance Plans. Funding is also requested to support annual responsibilities for inspection, necessary maintenance and repairs to Red Lion Dike, for which DNREC is the sponsoring agency and tree clearance and other routine facility maintenance on all dams as needed.

## Funding Schedule

	State	Federal	Other
FY 2024	\$ 1,000,000	\$ -	\$ -
FY 2025	\$ 1,000,000	\$ -	\$ -
FY 2026	\$ 1,000,000	\$ -	\$ -
FY 2027	\$ 1,000,000	\$ -	\$ -
<b>Total</b>	<b>ONGOING</b>	<b>\$ -</b>	<b>\$ -</b>

## 12. Statewide Trails and Pathways

Funding is requested for trail and pathway development to expand recreational and transportation opportunities for Delawareans and visitors. The primary focus of funds includes requests for the 6-mile loop at Wolfe Neck located at Cape Henlopen State Park, necessary bridge replacement at Lums Pond and critical infrastructure improvement for trail head bathrooms. Project funding will leverage existing and new resources from state, federal and private investments to continue Delaware’s national leadership in providing a world-class interconnected network of shared-use pathways and trails that will support non-motorized travel and recreational trail opportunities. In collaboration with the Department of Transportation, Bicycle Council, Pedestrian Advisory Committee, communities and other stakeholders, the department is continuing to implement the First State Trails and Pathways Initiative. Many of these projects are multi-phase and will be implemented in segments over the next couple of years.

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## Funding Schedule

	State	Federal	Other
FY 2024	\$ 1,000,000	\$ 2,000,000	\$ -
FY 2025	\$ 3,000,000	\$ 900,000	\$ -
FY 2026	\$ 3,000,000	\$ 900,000	\$ -
FY 2027	\$ 3,000,000	\$ 900,000	\$ -
<b>Total</b>	<b>ONGOING</b>	<b>ONGOING</b>	<b>\$ -</b>

### 13. EDA Implementation for Lums Pond, Killens Pond, Fort Delaware and Trap Pond Dock Repairs

Funding is requested for the repair and replacement of multiple docks at Lums Pond, Killens Pond, Fort Delaware and Trap Pond State Parks as part of the Economic Development Administration (EDA) planning grant. DNREC received the EDA grant in September 2022 for the planning and design of the inland pond docks throughout state parks. The request will fund the work outlined by the planning and design creating ADA accessible kayak launches, fishing platforms, boat rental docks and the Fort Delaware docks for the Delafort shuttle.

## Funding Schedule

	State	Federal*	Other
FY 2022	\$ -	\$ 3,212,400	\$ -
FY 2023	\$ -	\$ -	\$ -
FY 2024	\$ 2,000,000	\$ -	\$ -
FY 2025	\$ 2,000,000	\$ -	\$ -
FY 2026	\$ 2,000,000	\$ -	\$ -
FY 2027	\$ 2,000,000	\$ -	\$ -
<b>Total</b>	<b>\$ 8,000,000</b>	<b>\$ 3,212,400</b>	<b>\$ -</b>

\* The source of Federal funds is a State Park Campground Design and Engineering - ARP COVID 19 grant.

### 14. Killens Pond Waterpark Improvements

Funding is requested for phase two renovations to the Killens Pond Waterpark. The waterpark main pool receives annual repairs to the siding, steps and zero grade entrance. Unfortunately, the repairs are too extensive to continue to repair. DNREC is in the process of planning and designing the main pool in an effort to be prepared to construct a new pool in the fall of 2024. The Division of Parks and Recreation is doing the necessary steps to open safely for the 2024 summer season but expect to not be able to continue past 2024 if a new pool is not constructed. This phase will also include additional spray features, water elements and a larger pool to better serve the needs of the public.



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## Funding Schedule

	State	Federal	Other
FY 2024	\$ 3,000,000	\$ -	\$ -
FY 2025	\$ 3,250,000	\$ -	\$ -
<b>Total</b>	<b>\$ 6,250,000</b>	<b>\$ -</b>	<b>\$ -</b>

## 15. Delaware Bayshore Initiative

Funding is requested for the Delaware Bayshore Initiative, which is recognized by the U.S. Department of the Interior as part of the America's Great Outdoors Initiative. Funding will leverage existing and new resources from Open Space, department fees and incentive programs, Land Conservation Funds, Penalty Funds, Coastal Zone Act Offsets, Federal Land and Water Conservation, federal grant funds and bond and private investments.

The Delaware Bayshore Initiative aligns with efforts focusing on species and habitat conservation, outdoor recreation, education and community engagement. The program also supports economic growth by making the Bayshore a world-class ecotourism destination. It improves the quality of life for residents and visitors through health outdoor class recreation opportunities that enhance and prepare Delaware for the future.

Achieving the vision of the Delaware Bayshore becoming a premier global destination for birding, wildlife watching, hunting, fishing and outdoor recreation requires:

- Ecological restoration;
- Resource protection;
- Connections between local communities and waterways;
- Repair and maintenance of existing trails and viewing areas;
- Enhanced access to waterways;
- Enhanced public engagement through the development of wildlife watching platforms, towers and blinds, trail enhancements, signage and interpretation structures, digital applications and interpretative material;
- Volunteer promotion by supporting opportunities for local communities and families to participate in habitat restoration projects and stewardship activities; and
- Assistance to local communities for planning and design of amenities that support public access to Bayshore resources and provide information about the culture and history of the Bayshore area.

Funding is requested to leverage federal funding in support of key habitat restoration, recreational and educational enhancement projects to improve hunting, fishing and wildlife viewing opportunities that will drive significant tourism and support local communities. Key projects include a forest restoration project at Cedar Swamp Wildlife Area, an engineering study to improve hydrology and water transport in Thousand Acre Marsh, a new boardwalk connector at Collins Beach, access improvements to an existing viewing tower at Woodland Beach Wildlife Area, rehabilitation of the existing AREC boardwalk and trailhead kiosks and portable toilet screens along the Delaware Bayshore Byway.

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## Funding Schedule

	State	Federal	Other
FY 2024	\$ 500,000	\$ 100,000	\$ -
FY 2025	\$ 500,000	\$ -	\$ -
FY 2026	\$ 500,000	\$ -	\$ -
FY 2027	\$ 500,000	\$ -	\$ -
<b>Total</b>	<b>ONGOING</b>	<b>ONGOING</b>	<b>\$ -</b>

## 16. Conservation Reserve Enhancement Program (CREP)

Funding is requested for to support the implementation of new CREP conservation practices as well as the renewal of existing CREP contracts that are expiring. On newly implemented CREP contracts, the state share funds of those contracts are used to help with the implementation cost of the installed conservation practice(s). For renewal of expiring contracts, state share funds support the continued implementation of the CREP conservation practice(s) which add water quality benefits and/or wildlife habitat areas throughout the landscape. According to the most recent FSA figures, the CREP Program has 3,177 acres actively enrolled.

## Funding Schedule

	State	Federal	Other
FY 2024	\$ 25,000	\$ 500,000	\$ -
FY 2025	\$ 25,000	\$ 500,000	\$ -
FY 2026	\$ 25,000	\$ 500,000	\$ -
FY 2027	\$ 25,000	\$ 500,000	\$ -
<b>Total</b>	<b>ONGOING</b>	<b>ONGOING</b>	<b>\$ -</b>

## 17. Lums Pond Outdoor Adventure Center

Funding is requested for the construction of a new Lums Pond Outdoor Adventure Center. The adventure center will replace the existing nature center and will include interpretive exhibits and program space and incorporate outdoor adventure programming and elements into the design. The center will provide opportunities for families to learn outdoor skills including fishing, hunting, rock climbing, paddling and biking. The center will incorporate elements of accessibility into the design to allow people of all abilities to utilize the space and equipment necessary to learn outdoor skills.

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## Funding Schedule

	State	Federal	Other
FY 2024	\$ 750,000	\$ -	\$ -
FY 2025	\$ 3,000,000	\$ -	\$ -
FY 2026	\$ 3,000,000	\$ -	\$ -
<b>Total</b>	<b>\$ 6,750,000</b>	<b>\$ -</b>	<b>\$ -</b>

## 18. Water Quality Data Portal Expansion

Funding is requested for the Division of Water (DOW) to contract and collaborate with the Center for Environmental Monitoring and Analysis to build real-time connections with DOW internal systems which will allow the Water Quality Portal to host groundwater quality data collected for the Division and for that data to be publicly available and easily accessible. In addition data collected by the Delaware Geological Survey could be included to provide the availability to all water quality data collected in the state at one user friendly location. This enhancement of the portal would continue Delaware's efforts to provide critical information to the public in line with the Governor's open-data initiatives. The Delaware Water Quality Portal currently provides water quality data collected by the Delaware Department of Natural Resources and Environmental Control (DNREC) and others to the general public. Data from DNREC's Surface Water Quality Monitoring Program, DNREC Recreational Water Program, Delaware River Basin Commission Boat Run Program (operated by DNREC), and the University of Delaware's Citizen Monitoring Program (CMP) are included in the portal with data going back to the early 2000's. The portal is maintained and operated by the Center for Environmental Monitoring and Analysis (CEMA) at the University of Delaware. The Resources Protection Section within the DNREC Division of Water is responsible for collecting ambient groundwater quality and water level data throughout the State including saltwater intrusion monitoring along Delaware's coastal communities. Currently that data is stored on internal DNREC systems and not easily available to the public.

## Funding Schedule

	State	Federal	Other
FY 2025	\$ 60,000	\$ -	\$ -
FY 2026	\$ 30,000	\$ -	\$ -
FY 2027	\$ 30,000	\$ -	\$ -
<b>Total</b>	<b>\$ 120,000</b>	<b>\$ -</b>	<b>\$ -</b>

## 19. Fenwick Island State Park Renovations

Funding is requested for the renovation of Fenwick Island State Park. As one of the busiest summer parks in the division, Fenwick Island is in need of numerous renovations and improvements including parking lot design and paving, including drainage, relocation of the Chamber of Commerce building, staff housing, maintenance storage and the addition of a new

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entrance for emergencies and ease of traffic. Immediate priorities include the new entrance and parking design/construction.

### Funding Schedule

	State	Federal	Other
FY 2025	\$ 7,000,000	\$ 3,500,000	\$ -
<b>Total</b>	<b>\$ 7,000,000</b>	<b>\$ 3,500,000</b>	<b>\$ -</b>

## 20. Coastal Region Bathhouse Renovation and Dune Crossing

Funding is requested to support the renovation of the coastal region bathhouses and dune crossings. The first renovation would be the Fenwick Island Bathhouse and would consist of the reconstruction of a new bathhouse facility and dune crossing. Additional funding in future years would allow the division to renovate the Senator McBride Bathhouse at Cape Henlopen, the Towers Ocean Bathhouse and South East Day Area Bathhouse in Delaware Seashore State Park. The bathhouses are outdated and need renovation including improvements to accessibility for the showers and added family units. In addition, the funding would provide upgrades to the concession and lifeguard areas to meet staff needs. This request also includes the restructuring of the dune crossings to allow a higher profile and eliminate dune intrusion on the walkways which leads to staff intensive work in clearing the walkways as well as ADA issues with the added sand.

### Funding Schedule

	State	Federal	Other
FY 2025	\$ 3,000,000	\$ -	\$ -
FY 2026	\$ 3,000,000	\$ -	\$ -
FY 2027	\$ 2,000,000	\$ -	\$ -
<b>Total</b>	<b>\$ 8,000,000</b>	<b>\$ -</b>	<b>\$ -</b>

## 21. Thompson Island Restoration

Funding is requested to for the construction of the Thompson Island Nature Preserve shoreline in partnership with the Center for Inland Bays. Three of the island's shorelines and the site's unique cultural and biological resources, are threatened by erosion, sea level rise and extreme weather, which are accelerating the shoreline loss. Through stabilization, wetland enhancements and the use of Wave Attenuating Devices, the project will restore three sections of shoreline on the southern side of the island that total more than 5,500 linear feet of shoreline.

### Funding Schedule

	State	Federal	Other
FY 2025	\$ 1,650,000	\$ -	\$ -
<b>Total</b>	<b>\$ 1,650,000</b>	<b>\$ -</b>	<b>\$ -</b>

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## 22. Cape Henlopen Park Office and Entrance

Funding is requested to match federal funds for the construction of a new park office and entrance improvements for Cape Henlopen State Park. As the park with the largest visitation, both the park office and entrance/exit are inadequate to serve the demand. This funding would provide the additional parking needed, allow for improved traffic flow and additional office space necessary for the staff offices and front lobby to service pass sales. This would also allow for the addition of a gift shop to support revenue. Design is expected to be completed during 2024 with construction starting as early as fall of 2024.

### Funding Schedule

	State	Federal	Other
FY 2025	\$ 6,000,000	\$ -	\$ -
FY 2026	\$ 6,000,000	\$ -	\$ -
<b>Total</b>	<b>\$ 12,000,000</b>	<b>\$ -</b>	<b>\$ -</b>

## 23. Brandywine Zoo Improvements

Funding is requested for improvements to the Brandywine Zoo ahead of accreditation review in 2027. A critical component of accreditation is having exhibits that meet modern zoological standards. This funding would be used to convert the Animal Care Center from propane to natural gas. This would create needed space for the flamingo exhibit. Funds will also be used for improvements including of the modernization of the pudu exhibit, design of a jaguar exhibit to replace the current bobcat, porcupine and bee exhibits.

### Funding Schedule

	State	Federal	Other
FY 2025	\$ 600,000	\$ -	\$ -
FY 2026	\$ 2,000,000	\$ -	\$ -
FY 2027	\$ 2,000,000	\$ -	\$ -
<b>Total</b>	<b>\$ 4,600,000</b>	<b>\$ -</b>	<b>\$ -</b>

## 24. Cape Pier Replacement Planning and Construction

Funding is requested for the design and permitting of a new Cape Henlopen State Park pier to replace the existing structure. The design and permitting process is expected to take two years. The park has contributed approximately \$35,000 to \$50,000 annually for inspection and piling repairs to allow access to the pier to remain open. A piling inspect and analysis will be completed in FY 2024 and any needed repairs to keep the pier in service will be planned.

# Natural Resources and Environmental Control



## Funding Schedule

	State	Federal	Other
FY 2025	\$ 1,000,000	\$ -	\$ -
FY 2026	\$ 4,000,000	\$ -	\$ -
FY 2027	\$ 4,000,000	\$ -	\$ -
<b>Total</b>	<b>\$ 9,000,000</b>	<b>\$ -</b>	<b>\$ -</b>

## 25. Poplar Thicket Erosion Project

Funding is requested for updating design engineering and initiate shoreline stabilization construction in FY 2024 and to complete construction in FY 2025 at the Poplar Thicket property along the Indian River Bay. Shoreline stabilization is part of the 2008 agreement with The Nature Conservancy and the landowner for the transfer of the property to the State. Erosion is continuing along the shoreline, increasing the urgency to complete this project.

## Funding Schedule

	State	Federal	Other
FY 2025	\$ 750,000	\$ -	\$ -
FY 2026	\$ 2,250,000	\$ -	\$ -
<b>Total</b>	<b>\$ 3,000,000</b>	<b>\$ -</b>	<b>\$ -</b>

## NA Redevelopment of Strategic Sites (Fort DuPont)

Funding is requested for the continuation of the redevelopment project at the Fort DuPont complex adjacent to Delaware City. The requested funding provides for critical improvements to the site to attract visitors and support restoration and infrastructure improvements, and levee and trail development.

## Funding Schedule

	State	Federal	Other
FY 2017	\$ 2,000,000	\$ -	\$ -
FY 2018	\$ 2,250,000	\$ -	\$ -
FY 2019	\$ 2,250,000	\$ -	\$ -
FY 2020	\$ 2,250,000	\$ -	\$ -
FY 2021	\$ 2,250,000	\$ -	\$ -
FY 2022	\$ 3,050,000	\$ -	\$ -
FY 2023	\$ 2,250,000	\$ -	\$ -
FY 2024	\$ 2,250,000	\$ -	\$ -
FY 2025	\$ 11,400,000	\$ -	\$ -
<b>Total</b>	<b>\$ 29,950,000</b>	<b>\$ -</b>	<b>\$ -</b>