

State of Delaware Water Pollution Control Fund

FFY 2022 Intended Use Plan

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Delaware Water Pollution Control Revolving Fund FFY 2022 Intended Use Plan

I. Introduction

This Intended Use Plan (IUP) is required by Section 606(c) of the Clean Water Act (CWA) and will be submitted to the U.S. Environmental Protection Agency (EPA) as part of the State of Delaware's FFY 2022 Federal Capitalization Grant Applications. An IUP is prepared annually, with an option to submit a revised IUP mid-year, ensuring that all potential loan applicants have an opportunity to submit project needs for funding consideration. This IUP will be submitted to EPA in July 2022.

The IUP identifies the intended use of the funds requested, and how the additional financial assistance will support the goals of the Delaware Water Pollution Control Revolving Fund, also known as the Clean Water State Revolving Fund (CWSRF). The mission of the CWSRF is to provide a continuing source of financing for environmental infrastructure capital needs to maintain and improve water quality. Financial assistance is provided by the CWSRF to public and private entities for planning, design, and construction of wastewater collection, treatment and disposal facilities, stormwater infrastructure improvements, non-point source, and estuary water pollution control projects.

Although previously approved and awarded by EPA, this IUP also describes the transfer of Federal funds between the Department of Health and Social Service's (DHSS) Drinking Water State Revolving Fund (DWSRF) and the CWSRF. It identifies how the additional financial assistance was used to support the goals of the CWSRF, and the amount of the transfer.

All eligible applicants submitting Project Notices-of-Intent (NOIs) are listed on the 2022 Project Priority List (2022 PPL) in priority order. However, no funds are committed or reserved for individual projects until financial assistance applications are solicited, received, and approved; indicating the project's readiness to proceed. Projects that are ready to proceed are then funded in priority order.

II. CWSRF Program Goals

The State of Delaware is committed to using Federal capitalization grants to provide financial assistance for eligible projects that will proceed quickly to construction, and further the water quality mission of the CWSRF. The following are the short- term and long-term goals.

Short-Term Goals

To enter into binding commitments for projects that will proceed to construction or award of construction contracts within eight (8) quarters of the FFY 2022 Grant awards.

To achieve a CWSRF program "PACE" that exceeds 95 percent utilization of available funds for project binding loan commitments.

To first expend the full State match requirement of the Capitalization Grants, and then spend the Federal portion of the Capitalization Grants. This will prevent any proportionality or improper payments of Federal cash draws.

To expand the loan portfolio of the CWSRF to include other innovative uses such as loans for land conservation, stormwater, water conservation, energy efficiency, as well as green and sustainable water infrastructure projects consistent with CWSRF program rules, requirements, and regulations.

To enhance the collaboration between DNREC and DHSS relative to the operation of the CWSRF and DWSRF programs. These enhancements will focus on adding increased program value to applicants and borrowers, such as:

- Combined CWSRF and DWSRF Semi-Annual Workshops
- Offering Planning and Design Loans for Projects that are not Ready to Proceed
- Combined CWSRF and DWSRF Loan Closings (where applicable)
- Eliminate need for Interim Construction Project Financing from other funding sources (bank financing for project construction is not needed; CWSRF and DWSRF funds can be used for project planning, design, and construction); loan reimbursement requests based on incurred eligible project costs are normally processed within 30 days
- Processing Loan Reimbursement Requests within 30 days or less

To provide technical assistance to rural and small publicly owned treatment works. The CWSRF will provide technical assistance in a variety of ways, including soliciting a contractor to provide assistance to small, rural systems, with the goal of helping systems put themselves in a position to move forward with an application for funding from the CWSRF. Additionally, CWSRF internal staff will provide technical assistance as needed to small and rural systems.

To enhance marketing and outreach to disadvantaged communities by partnering with Counties, municipalities, DHSS, Delaware State Housing Authority, Southeast RCAP, and other potential non-profits to educate potential borrowers about the CWSRF program and other State funding programs.

Transition the CWSRF Septic Rehabilitation Loan Program, Agricultural Non-Point Source Loan Program, and the Expanded Uses Non-Point Source Loan Program to grant programs funded via the Non-federal administrative account.

To comply with all Federal capitalization grant and project reporting requirements.

To analyze financial leveraging as a tool that may be needed to help meet the growing demand for loans provided by the CWSRF.

Long-Term Goals

To ensure the long-term viability of the CWSRF program, while providing necessary project subsidization when needed.

To optimize the CWSRF program to address changing loan demand for Non-Point Source concerns and other difficult to finance water quality improvement issues.

To identify and fund projects associated with the Bipartisan Infrastructure Law (BIL).

To periodically evaluate additional funding opportunities to meet emerging water quality and public health needs.

III. Fund Sources, Uses, and Program Requirement

DNREC will be applying for the FFY 2022 Federal Base Capitalization Grant of \$5,681,000 for which a twenty percent (20%) State match \$1,136,200 is required, the General Supplemental Grant of \$8,738,000 for which a ten percent (10%) State match \$873,800 is required, and the Emerging Contaminants Grant of \$459,000 for which a zero percent (0%) State match \$0 is required. The required (20% and 10%) State matches will be provided from State appropriations.

Water Resources Reform and Development Act (WRRDA) amendment changes to the CWSRF program allow 1/5 of 1% of the CWSRF's Net Fund Position to be used for Federal program administration; a total of \$646,568 was used for SFY 2022 and \$667,665 is projected for SFY 2023 use.

Additionally, two percent (2%) of the combined FFY 2022 Federal Capitalization Grants will be used for technical assistance, calculated at \$297,560. The 2% is intended to assist rural and small publicly owned treatment works. The uses of fund include, but is not limited to, community outreach, technical evaluation of wastewater solutions, preparation of applications, preliminary engineering reports, and financial documents necessary for receiving SRF assistance. This provision applies to the base program, the general supplemental, and emerging contaminants funds.

The ten percent (10%) minimum additional subsidy of \$568,100, 10% mandated congressional authority subsidy of \$568,100 for the Base FFY 2022 Grant will be used for principal loan forgiveness for eligible borrowers; and (10%) \$568,100 will be used for projects funded under a Green Project Reserve (GPR) - green infrastructure, water or energy efficiency, and innovative uses. Up to thirty percent (30%) \$1,704,300 of the FFY Base 2022 Grant may be used for additional subsidization under WRRDA based on project affordability.

The mandated forty-nine (49%) of the FFY 2022 Supplemental Federal Capitalization Grant in the amount of \$4,281,620, additionally 10% (\$873,800) will directed toward GPR funding. The mandated one hundred percent (100%) of the FFY 2022 Emerging Contaminants Federal Capitalization Grant in the amount of \$459,000 will be used for additional subsidy for eligible borrowers, of which \$45,900 will be directed to GPR.

The CWSRF reserves the right to transfer up to the full amount of emerging contaminants grant to the DWSRF.

Table-1 Sources and Uses

CWSRF SFY 23 Sources:

Projected Fund Balance at 6/30/2022	\$79,570,774
Base Cap Grant	\$5,681,000
Base Cap Grant State Match	\$1,136,200
Supplemental Cap Grant	\$8,738,000
Supplemental Cap Grant State Match	\$873,800
Emerging Contaminants Cap Grant	\$459,000
Emerging Contaminants Cap Grant State Match	\$0
Projected Repayments to the Fund	\$22,385,248
Projected Investment Interest Income	\$0
Total Sources for SFY 23	\$118,844,022

CWSRF SFY 23 Uses:

1/5 th of 1% Administration of the Fund	\$667,665
2% Technical Assistance (FFY 22 All Cap Grants)	\$297,560
Estimated Loan Disbursements from PPL & Loans in Construction	\$93,315,726
Total Uses	\$94,280,951
Projected Ending Fund Balance at 6/30/2023	\$24,563,071

*Note: Total PPL exceeds expected disbursements

Transfer between SRF programs

In FFY 2012, the DWSRF transferred \$27,050,176 in Federal and \$5,410,035 in State funds to the CWSRF program. The transferred funds were used to provide a CWSRF loan for the City of Wilmington's Renewable Energy Biosolids Facility (REBF). Should repayment become necessary, the transfer will be repaid by meeting DWSRF loan disbursement needs. It is the understanding between both DNREC and DHSS that up to \$32,460,211 will be made available for DWSRF loan disbursements after the following funding sources have been exhausted: first Federal Capitalization Grants; and second DWSRF loan repayments. After these funding sources have been exhausted, DNREC will provide loan disbursements for existing and/or new DWSRF loans on a cash flow basis as needed up to the amount of the previously transferred DWSRF funds stated above. To date, no funds have been transferred back to the DWSRF program.

IV. Project Selection Funding Process

On March 24, 2022, a workshop was held to provide a detailed overview of the CWSRF and DWSRF programs; and to inform municipalities, private businesses, consulting engineering firms, non-profits, and other interested parties of the need to submit NOIs for the 2022 PPL process by April 25, 2022. Eighteen (18) new NOIs were received totaling \$115,157,731.

The selection process for funding projects in part with FFY 2022 Grant funds is based on their respective 2022 PPL ranking, and readiness to proceed. The following projects with a total cost of \$344,393,883 may receive CWSRF funding: thirty-nine (39) Wastewater/Stormwater Projects are projected to utilize \$288,759,703 from the CWSRF; and three (3) Green Project Reserve (GPR) projects are projected to utilize \$4,000,000. Prior year projects remain on the funding list until the associated loans are closed or withdrawn by applicants.

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Table 2 – Wastewater, Stormwater, and Green Project Reserve (GPR) Projects Selected for CWSRF Funding

	Total	CWSRF	Base or	Supplemental	
Applicant / Project Name	Project	Loan	Corpus	Supplemental	EC Funding
	Cost	Requested	Funding	Funding	
Lewes Board of Public Works					
Donovan Smith MHP Sewer Extension	\$2,742,146	\$2,742,146	\$2,742,146		
Savannah Road Sewer Extension	\$2,025,000	\$2,025,000	\$2,025,000		
Cape Henlopen Sewer Extension	\$3,875,000	\$3,875,000	\$3,875,000		
Capes Cove Tenant Association Sewer Extension	\$874,347	\$874,347	\$874,347		
Town of Smyrna					
East Commerce Street Utility Replacement	\$1,940,881	\$1,940,881	\$1,940,881		
Kent County Levy Court					
Biosolids Capacity Extension Project	\$24,668,300	\$17,000,000	\$17,000,000		
Whispering Pines MHP Septic Elimination - Phase 2	\$737,856	\$722,856	\$722,856		
US 13 South Force Main Replacement Project	\$10,314,015	\$6,894,015	\$6,894,015		
City of Wilmington					
Aeration/Secondary Clarifiers Rehab. Phase 1	\$8,700,000	\$8,700,000	\$8,700,000		
Digester Rehabilitation Phase 2	\$3,000,000	\$3,000,000	\$3,000,000		
Aeration/Secondary Clarifiers Rehab Ph2	\$7,900,000	\$7,900,000	\$7,441,000		\$459,000
Replacement of Dewatering Centrifuges	\$3,400,000	\$3,400,000	\$3,400,000		
South Wilmington Sewer Separation Outfall B and Outfall C	\$9.000.000	\$9,000,000	\$9.000.000		
11th St Pump Station Replacement and Upgrade: Phase 2 of 4	\$14 500 000	\$14 500 000	\$14 500 000		
Prices Run Intercentor and CSO4A Outfall Rehabilitation	\$10,100,000	\$10,100,000	\$10,100,000		
Sussex County Council	φ10, 100,000	φ10,100,000	φ10,100,000		
Blackwater Village	\$9 286 981	\$9 286 981	\$9 286 981		
Lochwood	\$8,439,458	\$8,439,458	\$8,439,458		
Briarwood Estates	\$2 365 802	\$2 365 802	\$2 365 802		
Countryside Hamlet	\$1 940 400	\$1 840 400	\$1 840 400		
Slaughter Beach Sentic Elimination	\$21 695 687	\$21,695,687	\$17,414,067	\$4 281 620	
New Castle County	φ21,000,007	φ21,000,007	ψ17,+1+,007	φ+,201,020	
Southern Sanitary Sewer Area	\$27 312 000	\$25 745 000	\$25 745 000		
Holloway Terrace Sanitary Sewer Replacement	\$2,270,000	\$2,745,000	\$2,740,000		
West Wing Sanitary Sewer System	\$20,335,000	\$20,000	\$2,200,000		
Interstate Highway Crossings Sanitary Sower	¢20,333,000	\$000,000 \$000,000	¢000,000		
Christing River Force Main Rehabilitation Phase 1 and 2	\$65,000,000	\$300,000 \$33,150,000	¢28 603 620	\$4 456 380	•
Airport Bood Sonitony Sower System Intersector Povitalization	\$03,000,000 \$7,750,000	\$33,130,000 \$7,750,000	¢20,093,020	φ 4 ,430,300	
Pichardson Dark Pump Station Dass 2	\$1,750,000	\$7,750,000	\$7,750,000		
Springfielde 2 Sower Manhole Paplacement / Papabilitation	\$15,549,000 \$1,264,022	\$15,000,000 ¢1 200 022	\$15,000,000		
Pranducting Intercenter Deplecement Depage 1	\$1,304,933	\$1,309,933	\$1,309,933		
Diamond State Sustainability Corp	\$3,700,000	\$3,000,000	\$3,000,000		
Cranto Way Community Sontia Elimination	¢4 504 400	¢4 504 400	¢4 504 400		
Grants Way Community Septic Elimination	\$4,594,400	\$4,594,400	\$4,594,400		
Sandy Ridge	\$4,157,400	\$4,157,400	\$4,157,400		
City of Newark	A O 100 000	*• • • • • • • • • •	* 0 400 000		
Sanitary Sewer Study and Repairs	\$3,100,000	\$3,100,000	\$3,100,000		
Town of Clayton					
Sewer Rehabilitation Utilizing Cured-In-Place Pipe Lining	\$1,175,000	\$1,175,000	\$1,175,000		
Town of Middletown					
Rapid Infiltration Basins - Von Croy Farm	\$2,982,962	\$2,982,962	\$2,982,962		
Northwest Region Septic Elimination	\$460,000	\$460,000	\$460,000		
Pump Station and Force Main to Water Farm No. 1	\$13,828,000	\$13,828,000	\$13,828,000		
Northeast Quadrant - Sewer System Improvements	\$2,568,553	\$2,568,553	\$2,568,553		
City of Seaford					
Seaford WWTF - Upgrade and Expansion	\$7,370,000	\$7,300,000	\$7,300,000		
Martin Farms Sewer Relocation	\$3,121,282	\$3,121,282	\$3,121,282		
Total Wastewater	\$335,344,403	\$288,645,103	\$279,448,103	\$8,738,000	\$459,000

Green Project Reserve												
Applicant / Project Name	Total Project Cost	CWSRF Loan Requested	Base or Corpus Funding	Supplemental Funding	EC Funding							
New Castle County /DeIDOT												
Robscott Manor Water Quality Improvement Project	\$2,046,480	\$ 997,000.00	\$ 997,000.00									
DNREC, Division of Watershed Stewardship												
Watershed Improvement Projects	\$1,503,000	\$ 1,503,000.00	\$ 1,503,000.00									
City of Lewes												
Jones Farm Purchase	\$5,500,000	\$ 1,500,000.00	\$ 1,500,000.00									
Total GPR	\$9,049,480	\$4,000,000	\$4,000,000									
Total	\$344,393,883	\$292,645,103	\$283,448,103	\$8,738,000	\$459,000							

Note: These IUP Project Estimates are based on original Notices of Intent (NOIs) or Application Submitted and are subject to change with final applications and binding commitments. Additionally, should project(s) noted for Emerging Contaminants not be determined eligible, the CWSRF reserves the right to solicit additional Emerging Contaminant projects for the balance of the grant.

V. Interest Rates and Loan Terms

The current interest rate policy went into effect on January 1, 2021. Project affordability criteria and interest rates apply to new public, private/public use, investor-owned, and private/private use CWSRF and DWSRF loan applications.

- Interest rates shall be set at 1.0 percent per annum.
- Administrative Fees shall be set no lower than 1.0 percent per annum.
- A lower interest rate may be made available based on projected residential user rates as a percentage of Median Household Income (MHI) above 1.5 percent for a single wastewater or drinking water provided utility, and 3.0 percent for a combined wastewater and drinking water provided utility, only after other alternatives such as extended repayment terms, principal forgiveness or supplemental grants are exhausted.
- Should any municipal applicant demonstrate that the municipal bond rate available to its organization is lower than the collective interest rate and administrative fee set by this policy, then DNREC may match the lower bond rate by adjusting the interest rate.
- CWSRF Expanded Use Program loans (residential septic system replacements, and poultry and dairy best management practices) will have a fixed interest rate of either 1.5 percent or 3.0 percent. (Effective July 1, 2021)
- Should US Tax Reform (or other regulatory changes) have an impact on the pricing of tax-exempt bonds and their relative value to taxable bonds, this policy will be reviewed and adjusted.

Administrative Accountability and Annual Review Requirements:

 No less frequently than annually, Environmental Finance will perform a financial review of the CWSRF and DWSRF loan portfolios and make any changes to assure efficient use of funds and their perpetuity. This review shall consider factors such as the water quality and public health priorities, demand for financial assistance, availability and financial benefit of other assistance programs, state funding priorities, demographics and affordability and current market conditions. • Environmental Finance will use financial modeling to understand how different loan terms and project types may impact the long-term growth of the CWSRF and DWSRF.

(1) Benchmarks Used for this Policy:

The benchmarks for this policy were recommended by the State's financial advisory council PFM, LLC. The below is historical data of the Bond Buyer Index 11 (BBI 11-GO1) and Bond Buyer Index 20 (BBI 20-GO2) over the past three years as published weekly in the Bond Buyer https://www.bondbuyer.com/tag/bond-buyer-indexes. Additionally, average 30-year conventional mortgage rates, 20-year average commercial mortgage rates on farmland, and USDA loan rates were studied over the past three years. Environmental Finance will continue to monitor the below industry benchmarks to ensure compliance with offering a "rate between 0.0 percent and market rate." CWSRF regulations Section 35.3120 and DWSRF Section 35.3525 require that SRF loan interest rates be between zero percent and the market rate, as determined by the states. The U.S. Environmental Protection Agency (EPA) does not define market rate.

VI. Affordability Criteria

The CWSRF affordability criteria will be used to determine whether a project is eligible for principal forgiveness. Principal forgiveness awards will be determined based upon applications received through the annual CWSRF solicitation process and will be provided on a first come first serve basis, to the extent available. Section 603(i)(2) of the CWA requires the follow factors: MHI, unemployment rate, population trends of the borrower (or the project area if the project is located in a different jurisdiction) and other relevant data. Affordability criteria measures are the following:

<u>Income Data</u> – 1.5 percent of MHI will be considered affordable for a single wastewater or drinking water residential user rates; 3.0 percent of MHI will be considered affordable for combined wastewater and drinking water residential user rates. Delaware's affordability criteria accounts for existing system costs relative to Operations and Maintenance (O&M) and Capital, as well as proposed project O&M and Capital costs as a function of MHI (1.5 percent water or wastewater, 3.0 percent if both services are provided) for the project area. MHI is based on the most recent census data for the municipality or county. **CWSRF Ioan applicants whose MHI is not representative of the census data may provide documentation in order to obtain principal forgiveness or additional subsidization. Documentation will be in the form of a representative income survey of the majority of the residents of the project area.**

<u>Unemployment Data</u> – Nonpayment of residential wastewater and drinking water utility bills are normally directly associated with insufficient income and unemployment. Communities with greater than or equal to 3.4% unemployed population greater than or equal to 16 years in civilian labor force will be eligible for additional subsidy. Based on the percent above the threshold, additional subsidy may be provided to the extent available.

<u>Population Trends</u> – Wastewater utilities can be negatively impacted by decreasing population in relation to fixed assets and expenses that were designed/sized to service a larger customer base. Communities with greater than or equal to 12.1% vacant households would be eligible for additional subsidy. Based on the percent above the threshold, additional subsidy may be provided to the extent available.

Or; if the applicant is deemed "disadvantaged" by one of these methods:

- Climate and Economic Justice Screening Tool: https://screeningtool.geoplatform.gov/en/
- The community has greater than or equal to 30.9% population living under 200% of poverty level

If considered disadvantaged under this method, additional subsidy consideration may be given on a percentage basis in concert with any wastewater rate increase (to the extent available).

For projects that may seem unaffordable but are actually not cost effective, the CWSRF will review projects for the cost per EDU. Projects in which the cost per EDU is greater than \$25,000 will be subject to additional analysis. This may include: income surveys, value engineering, detailed budget review, and/or a capital contribution from the borrower.

VII. Authority to Provide Additional Subsidization

DNREC has the authority to implement the CWSRF under 29 Del. C. Ch. 80, §8003. This authority includes any other allowable purposes including additional subsidization through principal loan forgiveness under the CWA, as amended.

As of May 31, 2022, DNREC has achieved grant compliance for the required 10% (minimum) loan forgiveness. Delaware has allocated \$13.7 million in principal loan forgiveness to date and plans to allocate \$5.8 million in SFY 2023.

VIII. Loans for Private Businesses, Private Landowners, Privately-Owned Projects

Private businesses, private landowners, and privately-owned centralized wastewater treatment projects are eligible under the Clean Water Act Section 320 Estuary Program as long as the project is within a national estuary and consistent with the Comprehensive Conservation Management Plans (CCMPs); consistency to be determined by Environmental Finance staff.

IX. Project Eligibilities

Ten percent (10%) of the annual Federal capitalization grants *must* be allocated towards projects that qualify as Green Project Reserve. The following is an overview of CWSRF project eligibility categories that meet EPA definition of Water Efficiency; Energy Efficiency; Green Infrastructure; and Environmentally Innovative.

Entities eligible for CWSRF assistance include: municipalities, State agencies, and non- profits for the construction of publicly owned treatment works defined in Section 212 of the CWA; public or private entities that implement projects under Delaware's Nonpoint Source Management Plans defined in Section 319 of the CWA; and public or private entities that implement projects under Delaware's Estuary Comprehensive Conservation Management Plans as defined in Section 320 of the CWA. Eligible assistance activities include:

- Planning and design activities that are reasonably expected to result in a capital project;
- Building activities that implement capital projects; and
- Water Efficiency, Energy Efficiency, Green Infrastructure, and Environmentally Innovative stand-alone projects are eligible; they do not need to be part of a larger capital improvement project.

Water Efficiency

Water efficiency is the use of improved technologies and practices to deliver equal or better services with less water. Examples of water efficiency projects include:

• Installation of water meters;

- Retrofit or replacement of water using fixtures, fittings, equipment, or appliances;
- Efficient landscape or agricultural irrigation equipment;
- Systems to recycle gray water;
- Reclamation, recycling, and reuse of existing rainwater, condensate, degraded water, stormwater, and/or wastewater streams;
- Collection system leak detection equipment; and
- Development and initial distribution of public education materials

Energy Efficiency

Energy efficiency includes capital projects that reduce the energy consumption of eligible water quality projects, or produce clean energy used by a treatment works defined in Selection 212 of the CWA. Clean energy includes wind, solar, geothermal, hydroelectric, and biogas combined heat and power systems. Examples of energy efficiency projects include:

- Energy efficient retrofits and upgrades to pumps and treatment processes;
- Leak detection equipment for treatment works;
- Producing clean power for 212 treatment works on site (wind, solar, hydroelectric, geothermal, biogas powered combined heat and power); and
- Pro-rata share of capital costs for offsite publicly owned clean energy facilities that provide power to a treatment works

Green Infrastructure

Green Infrastructure includes a wide array of practices at multiple scales that manage wet weather to maintain and restore natural hydrology by infiltrating, evapotranspiring and capturing and using stormwater. On a regional scale, green infrastructure is the preservation and restoration of natural landscape features, such as forests, floodplains, and wetlands, coupled with policies such as infill and redevelopment that reduce overall imperviousness in a watershed. On the local scale green infrastructure consists of site- and neighborhood-specific practices, such as bioretention, trees, green roofs, porous pavements, and cisterns. In addition to managing rainfall, these green infrastructure technologies can simultaneously provide other benefits such as helping filter air pollutants, reducing energy demands, mitigating urban heat islands, and sequestering carbon while also providing communities with aesthetic, recreational and natural resource benefits.

Examples of green infrastructure projects include:

- Implementation of comprehensive street tree or urban forestry programs, including expansion of tree box sizes to manage additional stormwater and enhance tree health;
- Implementation of green streets (combinations of green infrastructure practices in transportation rights-of-ways), for either new development, redevelopment, or retrofits;
- Implementation of water harvesting and reuse programs or projects, where consistent with State and local laws and policies;
- Implementation of wet weather management systems for parking areas which include: the incremental cost of porous pavement, bioretention, trees, green roofs, and other practices that mimic natural hydrology and reduce effective imperviousness at one or more scales;
- Establishment and restoration of riparian buffers, floodplains, wetlands, and other natural features; Downspout disconnection to remove stormwater from combined sewers and storm sewers; and
- Comprehensive retrofit programs designed to keep wet weather out of all types of sewer systems using green infrastructure technologies and approaches

Land Conservation Loan Sponsorship Program and Water Quality Loan Sponsorship Program (Programs are currently on hold until such time that interest rates support sponsorships)

X. CWSRF Financial Status

Delaware agrees to submit to EPA a Federal Financial Status Report – Standard Form 425 within 90 days after the end of each State fiscal year during the term of the Capitalization Grant Agreement.

XI. Public Review and Comment

The PPL and IUP was made available to the Water Infrastructure Advisory Council (WIAC) and the public on June 15, 2022. A public hearing on the PPL and IUP was noticed to the Public Meeting Calendar on May 25, 2022. Newspaper notices were posted in the Delaware News Journal and Delaware State News on May 22, 2022, informing the public of a Public Hearing to be held on May 29, 2022, to receive public comment on the 2022 PPL and IUP. The WIAC met on June 15, 2022, and reviewed, approved, and recommend the PPL and IUP; subject to no adverse public comments were received by July 15, 2022. Three written comments were received by July 15, 2022. The comments had many good suggestions on how to improve the program and may be considered in the future, but none warranted a substantive change to the IUP.

XII. Assurances

Required Reporting

Delaware will enter all projects funded into the National State Revolving Fund Data System on an ongoing basis.

Environmental and Financial Reviews

Delaware will meet environmental review requirements by complying with Section IV, paragraph G, of the Operating Agreement between the State of Delaware and the EPA, and Section V of the Regulations Governing the Administration of the CWSRF.

Binding Commitments

Delaware will enter into binding commitments equal to at least one hundred twenty percent (120%) of each quarterly payment within one (1) year of receipt of that payment.

Disadvantaged Business Enterprise (DBE)

To ensure compliance with this requirement, the CWSRF will review and approve the DBE solicitation efforts of the borrower / borrower's engineer for prime contractors as well as efforts of the subcontractors associated with each selected prime contractor.

Davis Bacon Wage Rate Act Requirement

The CWSRF will require all treatment works projects to apply Davis Bacon wages.

Expeditious and Timely Expenditures

To help ensure that more loans close on time and projects are completed as soon as possible, assistance has been made available to communities from the CWSRF Non- Federal Administrative Account. The following is an overview of the various incentive grants to facilitate CWSRF loan demand.

- <u>Wastewater Match Planning Grants</u> \$50k per project is available for feasibility studies to identify and evaluate wastewater needs, requiring a cash match.
- <u>Surface Water Matching Planning Grants</u> \$50k per project is available for feasibility studies to identify and evaluate surface water management needs, requiring a cash match.
- <u>Project Planning Advances</u> \$100k per project is available for the development of required PERs and EIDs necessary to apply for a CWSRF loan; \$50k is forgiven and \$50k is applied to the CWSRF loan when closed. If a CWSRF does not close, the entire \$100k is forgiven.
- <u>Planning and Design Loans</u> Provide 0% Loans for Projects that are not Ready to Proceed. Loans are to allow funding for design and planning not covered under planning advances. Loan will be combined with loan for capital project.
- <u>Wastewater Asset Management Grants</u> Up to a \$100k grant is available to assist with the development of an asset management plan.
- <u>WIAC Subcommittees</u> –Subcommittees were formed to discuss and facilitate a path forward for helping loans close on time and to help ensure that closed projects are completed on time. Subcommittee recommendations will be made to the full WIAC for consideration and implementation.

First Use for Enforceable Requirements Certification

Delaware certifies that all of its municipal facilities are in substantial compliance with their current NPDES permits.

Program Pace Requirement

The indicator for program pace, "Loans as a Percentage of Funds Available," is calculated by dividing the total amount of executed loans by the total amount of funds available for projects. This indicator shows whether a State is using its available funds in an expeditious and timely manner. It compares the amount of closed loans to the total amount of funds available. One of the CWSRF's short-term goals is to maintain a cumulative program pace that exceeds 95 percent for signed binding loan commitments.

Equivalency Requirement

CWSRF Base Grant - \$5,681,000 will use the New Castle County Christina River Forcemain Project (\$33.1 Million in total will report \$5,681,000)

CWSRF Supplemental - \$8,738,000 will use the New Castle County Christina River Forcemain Project (\$33.1 Million in total will report \$4,456,380) and the Sussex County Slaughter Beach Septic Elimination Project (\$21.6 Million in total will report \$4,281,620)

CWSRF Emerging Contaminants - \$459,000 will use the City of Wilmington Aeration/Secondary Clarifiers Rehab Phase 1 project (\$8.7 Million in total will report \$459,000)

XIII. CWSRF and DWSRF Federal Fund Transferability

Delaware reserves the right to transfer Capitalization Grant and loan repayment monies between the State's CWSRF and the DWSRF programs as necessary to ensure the full utilization of the Federal assistance.

XIV. CWSRF Municipal and Green Projects - Funding List

Attachment A provides a list of wastewater and green projects that will be funded with CWSRF funds. The list includes the 2022 PPL Rank Order, PPL Year, PPL Score, Applicant Name, Project Name, Population Served, Waterbody/NPDES Permit, Total Project Cost, CWSRF Financing, and Type of Assistance.

XV. Non – Federal Administration Account

Delaware has established a Non-Federal Administration Account (NFAA) funded by one percent of the interest collected as the administrative fee charged on CWSRF municipal loans. The fee is collected from the interest portion of municipal loan repayments over the term of each loan. The NFAA is accounted for and managed separately from the corpus of the CWSRF. Funds in the NFAA are not considered CWSRF program income due to the fact that Federal capitalization grants that originally funded the loans are financially closed-out prior to receiving fees from completed projects.

Historically, the NFAA has been used to supplement the program administration allowance associated with each Federal capitalization grant, and to fund the salaries for other water quality positions in the Division of Water. The NFAA is now used for a number of innovative water

quality programs that in part help to facilitate new CWSRF loan demand. The planned uses are consistent with EPA's Guidance on Fees Charged by States to Recipients of CWSRF Program Assistance, 40 CRF Part 35. A conservative estimate of the NFAA revenue and planned uses are provided in Attachment B.

Total annual revenue for the CWSRF NFAA in SFY2021 was \$3,417,714, which includes \$620,661 of CWSRF Federal Admin revenue and \$50,914 for DWSRF NFAA cost share of Environmental Finance (EF) activities. Total CWSRF NFAA Expenses were \$2,500,478, which include \$1,128,137 for EF activities; Water/Watershed technical program expenses \$553,924; and wastewater/surface-water grant obligations of \$818,417. The ending available fund balance for SFY2021 was \$6,967,780. Below is a list of the 2022 uses.

- CWSRF Program Administrative Expenses
- Contractual Groundwater Position
- Contractual Stormwater Position
- 6 Division of Water Positions
- Septic Rehabilitation Grant Program
- Agricultural Non-Point Source Grant Program
- Expanded Uses Non-Point Source Grant Program
- Community Water Quality Improvement Grants
- Wastewater Matching Planning Grants
- Stormwater Matching Planning Grants
- Wastewater Asset Management Grants
- Wastewater Planning Advances
- Wastewater Needs Assessment
- Stormwater Needs Assessment

The NFAA is reviewed semi-annually to ensure its sustainability before additional uses are considered. The CWSRF's Annual Report includes a description of the NFAA, fees charged, actual use, and the remaining balance in the account.

XVI. APPENDIX

- Attachment A 2022 CWSRF Wastewater & GPR Projects Funding List
- Attachment B Non-Fed Admin Current & Planned Uses
- Attachment C 2022 CWSRF Sources & Uses of Funds
- Attachment D Cumulative Binding Commitments & Disbursements
- Attachment E FFY 2022 ACH Payment Schedule
- Attachment F 2015 PPL SOP

FFY 2022	2 CWSRF	Wast	ewater and Storm	water Projects				-			
PPL Year	PPL Year Rank	PPL Score	Applicant	Project Name	Population Served	Waterbody / NPDES Permit	Total Project Cost	GPR Category	GPR Eligibility	CWRF Financing	CWA Project Type
2018	11	70.1	City of Lewes Board of Public Works	Donovan Smith Mobile Home Park Sewer Extension	400	Delaware Bay & Estuary - Broadkill River WW NPDES Discharge Permit DE 0021512	\$2,742,146	N/A	N/A	\$2,742,146	212
ollection ar	nd treatment -site disposa	alternat	ive. Public Health Proble roject will provide gravity	em: The Donovan Smith Mobile I v sewer collection to a development environment to the existing several	Home Park sev ent whose curr	wage system utilizes old and aging collection pipes, ent service is provided by a community system that Excepted Braiset Reapfits.	small pump station is not performing w	is and holding	tanks to coll current wate	ect wastewater flo er service is via a	ow for n on-site
system cons capacity dur	well and dist sisting of old ring times of	collection emerge	system that are located pon pipes and pump static ncy.	ons, community-wide holding tan	ks and a pump	b-out for off-site disposal methodology. Additional be	nefits from the pro	ject include an	nds on an ag enhanced te	ging sewage colle echnical and man	ction agerial
20118	well and dist sisting of old ring times of 14	ribution collectio emerge 65.8	system that are located point pipes and pump station ncy. City of Lewes Board of Public Works	Savannah Road Sewer Extension	ks and a pump	Delaware Bay & Estuary - Broadkill River	\$2,025,000	N/A	nds on an ag enhanced te N/A	sevage colle echnical and man \$2,025,000	ction agerial 212
2018 Pescription evelopmer pproximate ssidents/cc 1e Board's 2018 2018	14 of Project thy with four { ely 1,600 fee wer main an mmercial us public sewe	65.8 65.8 65.8 and Pro 4) manh t of 8-ind d servic ers. Cur r system	System that are located j on pipes and pump station ncy. City of Lewes Board of Public Works blem: The project will in tooles with frames and co ch PVC sewer main insta e trench restoration, for is reently, the 21 single fam will eliminate the on-site	Savannah Road Sewer Extension stall approximately 1,025 feet of vers, an approximate 80-foot jac alled in a southerly direction on th 21 single family homes and one ily, and one (1) commercial, parc e septic systems, provide a safer East Commerce Utility	90 f 10-inch PVC k & bore of 10- ne east side of (1) commercia cels on Savann r, healthier, mo	Delaware Bay & Estuary - Broadkill River WW NPDES Discharge Permit DE 0021512 sewer main {connected into the existing Board sewer inch PVC sewer main with appropriately-sized casir Savannah Road with five {5) manholes, and approx l improved parcel. Also, existing septic systems will ah Road are situated outside City limits and sanitar re-sustainable sewage collection and treatment alte Delaware Bay & Estuary - Smyrna River	\$2,025,000 \$2,025,000 er collection system ing under DelDOT-n imately 700 feet of be abandoned upc y sewage is treater rnative, and encou	N/A on Donovan naintained Sav 6-inch PVC h n sewer main, d via individua rage annexatio	N/A N/A Road near th vannah Roac ouse sewer s /service insta I on-site sept on into the C	\$2,025,000 \$2,025,000 The Savannah Place I {Route 9}, and services with cleat Ilation and hook-to ic systems. Installity of Lewes. \$1,940,881	212 212 22 22 22 24 24 24 24 24 24 24 24 24 24

Attachme	ent A - FF	Y 202	2 CWSRF Revised	Wastewater, Stormwate	er, and GP	R Projects - Funding List					
FEV 2022	CWSRE	Wast	ewater and Storm	water Projects							
PPL Year	PPL Year Rank	PPL Score	Applicant	Project Name	Population Served	Waterbody / NPDES Permit	Total Project Cost	GPR Category	GPR Eligibility	CWRF Financing	CWA Project Type
2020	4	60.0	Kent County Levy Court	Biosolids Capacity Expansion Project	130,000	Delaware Bay & Estuary - Murderkill River NPDES DE 0020338	\$24,668,300	N/A	N/A	\$17,000,000	212
Description existing built technologies product. The evaluate the summer 201 The enginee scheduled to	of Project a ding or in a r s and automa Biosolids C available te 8. After revie ering contrac b be complet	and Pro new build ation in apacity chnolog ew of su t was fir ed in Ap	blem: The project will p ding adjacent to the exist control and monitoring. If Expansion Project will er gies, review product acce ubmittals, interviews were nalized in April 2019 and pril 2020 with start of des	rovide and install new dryers, as ting thermal drying processes. C f changes are expected to the en valuate alternatives for producing ptability, and implement the desi e conducted in October 2018. In planning was started for the proj sign and construction to follow.	sociated equip changes in scre nd product, suc g Class A bios ign/constructio late November ject in May 201	oment and accessories for the production of Class A sening, dewatering, pumping, and conveying may be ch as elimination of lime addition, a market analysis s olids and the replacement of existing dryers and oth on of the selected option. A Request for Qualification r 2018, Kent County Levy Court authorized negotiation 19. A preliminary cost estimate dated October 2019 i	biosolids. The equ required for the ne survey will be comp er equipment. Serv s (RFQ) for Engine ons with the top ran s attached. The pr	ipment and ac aw equipment. oleted to deter vices of a cons ering Services nked firm of Ri eliminary engi	ccessories n The design mine the far sulting engin s was advert ummel, Klep neering repo	hay be located in e shall utilize energ mers' acceptance eering firm were a ised in the DE Sta per & Kahl, LLP (f ort for the project is	ither the y efficient of a new cquired to ate News in RK&K). s currently
2021	5	84.2	City of Lewes Board of Public Works	Cape Henlopen State Park Sewer Extension	613	Inland Bays - Lewes-Rehoboth Canal WW NPDES Discharge Permit DE 0021512	\$3,875,000	N/A	N/A	\$3,875,000	212
Description State Park, a wastewater t quality impro will be replac facilities abo Station to the design pract gpd. In addit No. 83 react	of Project a and pump al treatment far ovement to th ced with a ne ve the flood e existing Bf ices for was ion, the elect n 80% of 137	and Pro I of its w cility the ne Inlan ewly cor plain ele PW Pun tewater trical ar 7,500 gp	blem: The purpose of the astewater into the BPW reby eliminating significated Bays/Atlantic Ocean wastructed pump station, a evation including a 0.4-m np Station No. 83. BPW I facilities, and raise certated flow meter systems at od (i.e., 110,000 gpd), an	ne project is to eliminate the exis sanitary sewer collection system int concentrations of suspended atershed and the excellent grour ind pump station structure, to inc ieter (1.31-feet) sea level rise coi Pump Station No. 83 will also be in components above the floodp Pump Station No. 83 will be upg id would upgrade the pump static	sting CHSP prin within the Ca solids, biologic ndwater rechar crease flow cap nsideration. A 1 e upgraded to ir plain elevation. graded to accor on to accommo	mary wastewater treatment facility (Imhoff Tank syste pe Shores development located on Cape Henlopen cal oxygen demand, and nutrients from entering the ge area around the City of Lewes. The CHSP Main I bacity, replace damaged and outdated equipment, m new 4-inch to 6-inch force main and short run of gran ncrease capacity to accommodate projected flows fror Initial improvements will upgrade Pump Station No. mmodate the ultimate future flow of 176,000 gpd. Fu bodate 176,000 gpd.	em) that currently of Drive – the flow wil groundwater near t Pump Station, that eet current design vity sewers will be om the CHSP, repl 83 from the curren ture improvements	lischarges via I ultimately be the Lewes-Rel currently pum practices for v constructed to ace damaged t capacity of 8 s would be imp	rapid infiltra treated at th noboth Cana ps from the wastewater f convey flow and outdate 2,000 gallom elemented w	tion basins (RIBs) ne BPW advanced al. This is a signific primary WWTF to acilities, and raise <i>is</i> from the new Cl d equipment, mee is per day (gpd) to hen flows to Pump	within the l cant water the RIBs, the HSP Pump at current 137,500 o Station
2021	6	80.0	City of Seaford	Seaford WWTF - Upgrade & Expansion of Selected Improvements	8,000	Chesapeake Bay - Nanticoke River NPDES DE0020265	\$7,370,000	N/A	N/A	\$7,300,000	212
Description Report (PER those recom Improvemen Primary Clar and Stormwa Seaford WW WWTF (biole	of Project a R) on July 26 mendations tts, Influent F ifiers, New S ater Manage /TF. The up ogical system	and Pro , 2017, provide Pumping Septage ment de grade ai n, etc.)	blem: The City of Seafor for Seaford WNTF Upgra d in the PER document. station Rehabilitation a and Leachate Handling esign related to Propose nd expansion improvement will be upgraded and exp	ord owns and operates a wastew ade & Expansion to a capacity of The scope of improvements plar nd Improvements, New Grit Rem Facility located at Existing Comp d Improvements, Sea Level Rise ents are being phased to allow th panded. At that point the facility v	vater treatment f 3.0 MGD. The nned for the cu noval / Handlin sost Site, Elect e Mitigation Con e project to be will have a rate	facility with a rated hydraulic capacity of 2.0 MGD. G a PER was deemed acceptable to DNREC by email of urrent project includes the following Upgrade and Exp g Structure Including Flow Splitter Box and provision trical Power, Mechanical (HVAC) and Controls/SCAI nsiderations related to Proposed Improvements. The e more affordable and to address attrition that some to d capacity of 3.0 MGD and treat to ENR effluent quar	GMB prepared and dated May 2, 2019 pansion Improvem as for future Secon DA improvements re proposed project unit processes are ality standards.	submitted to I . The design of ents: Headword dary Screenin hecessary to s is the first step exhibiting. At	DNREC a Pr of selected c rks Structure g Equipmen erve Propos to upgradir a later point	eliminary Enginee ommon elements and Primary Scre t, Rehabilitation of ed Improvement a ng and expanding in time the remain	ring will follow eening both areas, Site the nder of the

Attachme	ent A - FF	Y 202	2 CWSRF Revised	l Wastewater, Stormwat	er, and GPI	R Projects - Funding List							
FFY 2022	CWSRF	Waste	ewater and Storm	water Projects									
PPL Year	PPL Year Rank	PPL Score	Applicant	Project Name	Population Served	Waterbody / NPDES Permit	Total Project Cost	GPR Category	GPR Eligibility	CWRF Financing	CWA Project Type		
2021	8	73.2	Sussex County Council	Blackwater Village	739	Inland Bays - Indian River Bay NPDES-005-0008	\$9,286,981	N/A	N/A	\$9,286,981	212		
Description Sussex Cou receive cent boundary an a referendur a Resolutior which discha	of Project a nty that was ral sewer se d allowing a n was scheo o creating the arges into the	and Pro establis rvice fro mple tim luled and e new ar e Indian	blem: Install a gravity c hed as a new area of the m Sussex County. More he after the meeting for r d held on creating a new ea. This project will remo River Bay. This is a sep	ollection and conveyance syster e Sussex County Unified Sanitar than the required 50 petitions w evisions to the boundary. No rec v area to the unified district. The ove approximately 211 existing of tic elimination project to continue	n including a ne y Sewer Distric vere received so quests were rec referendum pas on-site septic sy e Sussex Coun	ew pumpstation and forcemain to serve the existing it. The community requested information and petition to the engineering department established a propose seived, and the boundary presented to County Coun ssed with a count of 91 in favor and 61 opposed. Th ystems and prevents another 65 from being constru- ty's efforts to serve existing communities/homes an	Blackwater Village hs to be distributed d boundary. A pub cil for adoption of t e results of the ref cted for the vacant d eliminate existing	Subdivision, to the commu- lic hearing wa he required R erendum will k lots. This con g septic syster	a community unity as to w is held prese esolution. W be presented imunity is ac ns.	y in the Clarksville hether they wanted enting the propose ith the boundary e to County Counci djacent to Blackwa	Area of d to d stablished il to adopt ter Creek		
2021	9	73.2	Sussex County Council	Lochwood	732	Inland Bays - Rehoboth Bay WPCC-3042C-90 (Spray Irrigation)	\$8,439,458	N/A	N/A	\$8,439,458	212		
been annexe request the annexation v elimination p	ed within the County to prove was approve project to cor	bounda oceed th d. This v ntinue S	iry of the Sussex County erefore polling letters we will remove approximatel ussex County's efforts to	Unified Sanitary Sewer District. ere developed and distributed to ly 209 existing on-site septic sys o serve existing communities/hor	The community the entire com tems. This com nes and elimina	y requested information about central sewer service munity. The polling results supported a public hearin munity is a peninsula into Burton Pond which disch ate existing septic systems.	be provided at the ng to be held, the r arges into Herring	ir annual HOA esults were pi Creek which f	A meeting. T resented to (reeds into Re	here was enough i County Council and Shoboth Bay. This	interest to d the is a septic		
2021	10	67.5	Sussex County Council	Briarwood Estates	228	Inland Bays - Rehoboth Bay WPCC-3042C-90 (Spray Irrigation)	\$2,365,802	N/A	N/A	\$2,365,802	212		
Description Rehoboth ar this meeting explain the c immediately	Description of Project and Problem: Install a gravity collection system and conveyance system to an existing gravity connection point to serve the existing Briarwood Estates community. This community is in the West Rehoboth area adjacent to Love Creek. The subdivision was recently annexed into the boundary of the Sussex County Unified Sanitary Sewer District. The community requested information be presented at their annual meeting, this meeting provided enough interest for the County to proceed with polling letters. The letter was developed and distributed to the entire community. The results from the polling letter supported a public hearing to be held to explain the costs and impacts to the community. The results of the public hearing were presented to County Council and the annexation was approved. This will remove approximately 65 existing on-site septic systems, some immediately adjacent to Love Creek which discharges into the Rehoboth Bay. This is a septic elimination project to continue Sussex County's efforts to serve existing communities/homes and eliminate existing septic systems.												
2021	12	67.1	Sussex County Council	Countryside Hamlet	165	Inland Bays - Indian River Bay WPCC-3042C-90 (Spray Irrigation)	\$1,940,400	N/A	N/A	\$1,840,400	212		
Description of Frankford (Dagsboro/F Hearing on t large failing systems. Th	of Project a . This comm rankford Are he annexatio on-site septi is also addre	and Pro nunity is ea). The on from c system esses ar	blem: Install a gravity co on the north side of Laz Engineering Departmen County Council, the cou n. Water Pollution Contro n under-served communi	ollection system and conveyance y Lagoon Road east of Route 11 t received a request from the pro ncil supported the request. The f ol Needs/Environmental Benefits ity in Sussex County.	e system to an r 3 Dupont Blvd. operty owner to nearing was hel s: This is a sept	new pumpstation. Then install a pressure forcemain The community was recently annexed into the bou provide central sewer service to the community sta Id before County Council at one of their regularly sc tic elimination project to continue Sussex County's e	up Delaware Ave. ndary of the Susse ting failing on-site heduled meetings ifforts to serve exis	Ext. to an exi x County Unif system. The d and the anney ting communi	sting connec ied Sanitary epartment p ation was ap ties/homes a	tion point south of Sewer District osted notices for a oproved. This will i and eliminate exist	the Town Public remove a ting septic		

Attachme	ent A - FF	Y 202	2 CWSRF Revised	Wastewater, Stormwat	er, and GP	R Projects - Funding List					
FFY 2022	CWSRF	Waste	ewater and Stormy	water Projects							
PPL Year	PPL Year Rank	PPL Score	Applicant	Project Name	Population Served	Waterbody / NPDES Permit	Total Project Cost	GPR Category	GPR Eligibility	CWRF Financing	CWA Project Type
2021	13	60.0	New Castle County Department of Public Works	NCC Southern Sanitary Sewer Area - Expanded Treatment and Outfall	90,000	Chesapeake Bay - C & D Canal West N/A	\$27,312,000	N/A	N/A	\$25,745,000	212
Description to the Delaw Odessa-Tow The project p rerouting the project will re	of Project a are River ar insend urba proposes to Port Penn i esult in a ne	and Pro nd increa n area. ⁻ increase flow to th t reducti	blem: The purpose of the asing the facilities current The current wastewater file the treatment and dispone existing Water Farm F on of NPDES permitted of	e project is to upgrade the existi t wastewater treatment capacity. low in the SSSA is approximatel osal capacity to 5.0 mgd, which i Plant through a new pump station outfalls and eliminate discharge	ng New Castle . The SSSA inc y 1.15 million g s the anticipate n and force ma into a TMDL in	County Water Farm Treatment Plant, serving the C cludes the majority of the land areas within the Coun gallons per day (mgd) and is expected to reach 1.8 r ed long-term demand of the SSSA at year 2050. Add in serving Port Penn, effectively eliminating both the npaired water course.	County's Southern S tty south of Chesap ngd within the next ditionally, the proje e Port Penn and W	Sewer Service beake and Del four years, ey ct will eliminat ater Farm disc	Area (SSSA aware Canal cceeding the e the existing charges to th	.), including a new and north of the l current disposal o Port Penn Treat e Appoquinimink l	discharge Middletowr capacity. ment plant, River. This
2021	14	55.0	New Castle County Department of Public Works	Holloway Terrace Sanitary Sewer Replacement	4,356	Piedmont - Christina River N/A	\$2,270,000	N/A	N/A	\$2,200,000	212
capacity of th	ne existing p	bipe limit	New Castle County Department of Public Works	wastewater flows from the area West Wing Sanitary Sewer System	and therefore	imits development opportunities. The proposed repl Delaware Bay & Estuary - Delaware River N/A	lacement pipe will \$20,335,000	provide greate	r capacity. N/A	\$20,000,000	212
Description the County s portion of the Maryland-De Treatment P	of Project : outh of Che SSSA inclue elaware Stat lant. The W	and Pro sapeake udes the eline. Th est Wing	blem: The purpose of the and Delaware Canal and areas on the north a land areas on the north be project proposes to coord g infrastructure will conve	ne project is to design and const ad north of the Middletown-Odes and south side of Churchtown F Instruct a regional pump station by approximately 1.3 million gallo	ruct the West \ sa-Townsend (Road, bound or and two force (ons of wastewa	Wing portion of the County's Southern Sewer Servic urban area. The SSSA is divided into three areas; th h the east by properties on both sides of the Route # mains to convey wastewater from the West Wing, to ater per day (mgd) on average with a peak capacity of	e Area (SSSA). The ne Central Core Are #896 Summit Bridg the Central Core a of 5.5 mgd.	e SSSA inclue ea, and the Ea e Road corride and ultimately	des the majo ist and West or and bound to the Water	rity of the land are Wings. The West on the west by th Farm Wastewate	eas within t Wing le r
2021	14	35.0	Kent County Levy Court Department of Public Works	Whispering Pines Mobile Home Park, Phase 2 Septic Elimination Project	115	Delaware Bay & Estuary - St. Jones River NPDES DE 0020338	\$737,856	N/A	N/A	\$722,856	212
Description connect abo sewer syster	of Project a ut 52 units, a n.	<u>and Pro</u> and aba	<u>blem:</u> The "Whispering I ndon the onsite septic sy	Pines, Phase 2 Septic Eliminatic /stem tanks. The proposed sewe	on Project" is th er system will c	e construction of the remaining central sewer system onsist of gravity mains, a duplex grinder pump station	m to serve the rem on, and a forcemain	aining portion n which will co	of Whisperir nnect to the	ng Pines Mobile H existing Phase 1	ome Park, gravity
2021	15	35.0	New Castle County Department of Public Works	Interstate Highway Crossings Sanitary Sewer	46	Piedmont - Shellpot Creek N/A	\$1,200,000	N/A	N/A	\$900,000	212
Description Wilmington a Rehabilitatio	of Project and the state n Program v	and Pro e line. Tl which wa	blem: This proposed reinese pipes were installed as assembled to address	habilitation project will serve to p I with the construction of the inte DNREC Secretary's Order 2003	prolong the ser erstate highway 3-W-0053.	vice life of sanitary sewer pipes that convey wastew and are over 60 years old. This project is compone	ater flows across the of the CSO Elim	ne Interstate h nination Plan f	ighways loca or the Brandy	ated north of the C ywine Hundred Se	tity of ewer

Attachment A - FFY 2022 CWSRF Revised Wastewater, Stormwater, and GPR Projects - Funding List													
FFY 2022 CWSRF Wastewater and Stormwater Projects													
PPL Year	PPL Year Rank	PPL Score	Applicant	Project Name	Population Served	Waterbody / NPDES Permit	Total Project Cost	GPR Category	GPR Eligibility	CWRF Financing	CWA Project Type		
2021	16	30.0	New Castle County Department of Public	Christina River Force Main Rehabilitation - Phase 1 and	330,000	Delaware Bay & Estuary - Delaware River	\$65,000,000	N/A	N/A	\$33,150,000	212		
			Works	2		N/A							
				-									
Description	of Project a	and Pro	blem: Phase 1 entails	the construction of approximately	y 1,500 linear f	eet (LF) of new 72" fiberglass-reinforced polymer mo	ortar force main pip	e across the	Christina Riv	er adjacent to the	existing		
Christina Riv	er Force Ma	ain (CRF	M). The new pipe, which	n will be installed utilizing trenchl	ess technologi	ies, will not be connected to the existing CRFM but v	vill be designed wit	h terminal ma	nifolds and v	alving on either s	de of the		
River that wi	ll allow for e	mergen	cy connections in the eve	ent of a failure of the remaining (CRFM which we	ould necessitate bypass pumping. This redundancy	is essential while t	he County cor	ntinues its pla	anning for the ove	rall CRFM		
project. Phas	se 2 entails t	the coni	nection to and continuation	on of the Phase 1 piping describ	ed above with	approximately 5,000 LF of new 72" fiberglass-reinfor	ced polymer morta	r force main p	pipe to the W	ilmington Wastew	ater		
Treatment P	lant (WWTF), inclue	ling modifications to the	headworks channel of the WWT	P where the ne	ew pipe will discharge. The existing CRFM is approx	imately 10 miles of	f transmission	piping consi	isting primarily of			
prestressed	concrete cyl	inder pi	pe (PCCP) ranging in siz	e from 36-inch to 84-inch in dian	neter and is fee	d by (5) major sewage pump stations with dedicated	force mains into th	ne trunk line. T	he existing (CRFM crosses the	Christina		
River in 3 loc	cations. The	CRFM	conveys approximately 5	50 million gallons per day (MGD)	with wet weath	ner flows being significantly higher. The existing CRF	M represents the	County's prim	ary sewage o	conveyance system	m serving		
Treatment P prestressed River in 3 loc	lant (WWTF concrete cyl cations. The), inclue inder pi CRFM	ding modifications to the pe (PCCP) ranging in siz conveys approximately 5	headworks channel of the WWT te from 36-inch to 84-inch in dian 50 million gallons per day (MGD)	P where the ne neter and is fee with wet weath	ew pipe will discharge. The existing CRFM is approx d by (5) major sewage pump stations with dedicated her flows being significantly higher. The existing CRF	imately 10 miles of force mains into the FM represents the	f transmission ne trunk line. T County's prim	piping consi The existing (ary sewage o	isting primarily of CRFM crosses the conveyance system	Christina m serving		

approximately 60% of the County's total population including the City of Newark, City of New Castle, the Town of Newport, the Town of Elsmere and portions of the City of Wilmington. The CRFM conveys sewage to the City of Wilmington's Wastewater Treatment Plant (WWTP). The proposed project will also involve upgrades to the tributary pump station and force main network as well as upgrades to the headworks of the Wilmington WWTP. The County is in the process of planning and evaluating alternative routes for the new CRFM. The purpose of the Phase 1 and Phase 2 projects is to construct new critical segments of the CRFM that is common to all of the alternative routes currently being evaluated. Given the nature of the design of the terminal points of the pipe allowing for emergency connection on either side of the River, the projects will provide flexibility and redundancy in the CRFM system to the WWTP in the event of a failure on either side of the River.

2021	17	30.0	New Castle County Department of Public	NCC Airport Road Sanitary System Original Interceptor	108,000	Piedmont - Christina River	\$7,750,000	N/A	N/A	\$7,750,000	212
			Works	Revitalization		N/A					

Description of Project and Problem:

Investigation and rehabilitation and/or replacement of sanitary sewer assets.

Description of Project and Problem: The purpose of the project is to complete the construction of the new Richardson Park Pump Station, including the construction of all vertical assets, mechanical, electrical, and site improvements. The existing Richardson Park Pumping Station was built in 1952 and has undergone multiple modifications since the original construction. Considered as one of the five major pump stations contributing to New Castle County's Christian River Force Main, the existing Richardson Park station is currently the oldest major pump station facility in New Castle County. The station conveys an average of 4 million gallons per day (MGD) with maximum station capacity of 19.5 MGD. Phase 1 of the project was completed in 2019, primarily involving the construction of the new subsurface pumping well; of which, the new location has been located out of the 100-year FEMA flood plain, providing future safeguard and resiliency in wastewater service to the region. The existing station has exceeded the intended service life and is need of replacement. The project will secure NCC Public Works ability to provide reliable, safe, and consistent wastewater service to the Richardson Park Sewer Basin, which consists of an estimated population of 30,000 residents and customers.

2021	19	30.0	New Castle County Department of Public	Springfields 2 Sewer Manhole Replacement /	12,724	Delaware Bay & Estuary - Army Creek	\$1,364,933	N/A	N/A	\$1,309,933	212
			Works	Rehabilitation		N/A					

Description of Project and Problem: The Springfield's sewer trunkline conveys wastewater from primarily residential communities in the Bear, DE area. Several sewage pump stations direct wastewater flows to this trunkline thus extending the residence time of wastewater in the sewer system resulting in an anaerobic condition with the consequence of formulation of hydrogen sulfide. The presence of the hydrogen sulfide has resulted in severe corrosion to the exposed cementitious surfaces in the sewer manholes. Many of the manholes in the trunkline have degraded to the extent that they are not repairable and must be replaced while other manholes require installation of a protective surface liner to protect from further corrosion.

Attachme	ent A - FF	Y 202	2 CWSRF Revised	Wastewater, Stormwat	er, and GP	PR Projects - Funding List					
FEX 2022	CWSRE	Wast	water and Storm	water Projects							
PPL Year	PPL Year Rank	PPL Score	Applicant	Project Name	Population Served	Waterbody / NPDES Permit	Total Project Cost	GPR Category	GPR Eligibility	CWRF Financing	CWA Project Type
2021	3	35.0	New Castle County Department of Public Works	Brandywine Interceptor Replacement, Phase 1	3,183	Piedmont - Brandywine Creek N/A	\$3,700,000	N/A	N/A	\$3,000,000	212
Description community s installed in the Wilmington of construction completion of	of Project ervice entiti he 1930s an domestic su , is located o of the sewer	and Pro es inclue d has e fface wa on Alapo asset re	blem: The Brandywine ding E.I. DuPont DE Ner xceeded it's service life. iter intake on the Brandy pcas Woods Park proper pplacement and rehabilit	Interceptor conveys wastewater nours & Co. Experimental Station It is subject to leakage from dete wine Creek. The Department of I ty which is owned by the City of V ation tasks.	from propertie n, A.I. DuPont rriorated pipe j Public Works Wilmington an	es located in the Brandywine Valley, north of the City Children's Hospital, AstraZeneca, as well as comme ioint material and is prone to blockages due to pipe d plans to replace, repair and rehabilitate the intercept id managed by the Delaware State Parks. This portio	of Wilmington. The rcial and residenti efects. The interce or in three distinct n of the project inc	e sewer basin al properties. eptor is located phases. Phas ludes extensio	includes sig The sewer pi d directly ups e one, prese on of the cur	nificant business a ipe presently in pla stream of a City of ntly being prepare rent greenway trai	ind ace was d for I at the
2021	20	20.0	Kent County Levy Court Department of Public Works	US 13 Force Main Replacement Project - Puncheon Run to Rising Sun	130,000	Delaware Bay & Estuary - St. Jones River NPDES DE 0020338	\$10,314,015	N/A	N/A	\$6,894,015	212
Description The system Town of Free Camden Byp DelDOT proj the pipe in 2 running from southern lim Isaacs Brand age/material DelDOT proj roadway wid within the lim cross US 13 the proposed with KCLC to facilities. The environment	of Project. includes gra derica). The pr action of the pre- sects, from the 019 was 6.7 Pump Stati- its of the De ch. The infra- of the pipe. ects. The st ening over the ening over the its of the Du- and proceed 30" DIP ar proceed a greemen al, public he	and Pro vity and Delawa ojects a ne Punc. imillion on #14 iDOT pr istructur Given t udy con he exist eIDOT p d along d the 10 e necess t is curre ialth, an	blem: The Kent County force main facilities that re Department of Transp re directly adjacent to ea heon Run to the intersec gallons per day (mgd), ra at Isaacs Branch is conn oject, south of Lochmea e constructed during the he age and maintenanco sidered: • Structural inte- ing sewer line.• Spot relo rojects with a new 30" du the new alignment of the y" PVC portion of the exis- sary sewer work in their r ently being reviewed by I d safety impacts within the	Levy Court (KCLC) owns a coun t transmit sewage from throughou bortation (DeIDOT) is developing ich other and include roadway wi tition of SR 10 and Rising Sun Ro anging up to 8.7mgd, equating to rected to the 30" FM SS. A valve th Way. The 16" bypass system i early 1970's has recently experi- grity of the PCCP due to stresses occations due to unavoidable conf juctile iron pipe (DIP). The new 30 e East Camden Bypass, then cro sting bypass system will be upgra oad construction contracts along DeIDOT. This project is critical to he project limits.	ty-wide sanita ut the county t construction p idening and sa bad. The existi o approximatel on this pipe c includes a sho enced serious PCCP, a study s induced by v flicts with the p 0" FM SS will I ssing SR 10 to aded to a 16" g with monetar maintaining th	ry sewer collection, conveyance and treatment syste o the Kent County Wastewater Treatment Plant in Fr olans for Contract T201500202 – US 13, Lochmeath afety upgrades to US 13 and SR 10. KCDPW maintai ing 30" FM SS is a prestressed concrete cylinder pip by 50 percent of all of the wastewater treated at the K urrently diverts flow from the pump station to a 16" by ort section of 10" PVC pipe, running from a valve near maintenance issues, including pipe crown deteriorar was prepared through KCDPW and DelDOT to asset vibrations from construction equipment, inadvertent h proposed DelDOT drainage system. Based on the stu- be located along the west side of US 13 from the Pur o Rising Sun Road. As a part of this work the 16" DIF DIP to provide for system continuity and flow capabili y reimbursement for work that would previously have he County's sewer infrastructure. The result will be a	m operated by the ederica, located to Way to Puncheon ins a 30" force mai e (PCCP) that wass ent County Wastev ypass system. The r the Isaacs Brance tion and several ru ess the risks to this its by construction idy's conclusions, ncheon Run to the P from the Isaacs E ity. DeIDOT concu- been required to transmission line f	Kent County I ward the sout Run Connecte n sanitary sew installed in 19 water Treatme bypass syste h pump station ptures, due to e facility due to equipment ar KCDPW prop- US 13 / East of tranch pump s rs with this ap remedy conflic hat will mitiga	Department of hern end of r cor and for Cco ver (FM SS) 070-1971. Th nt Facility. A m runs in the n to the med sewer gass o construction id added live oses replacin Camden Byp tation will be proach and i ts with propo-	of Public Works (k the county (just ou ontract T20170950 within the limits of the average daily fl 16" ductile iron pi e median of US 13 ian of US 13, just es present and the n of the above not load stresses due to ast stressection. I e extended to com- s a preparing an a based DeIDOT drait tial transportation,	CDPW). tside the i3 – East the bw through pe (DIP) to the south of ed et PCCP it will then nect with ngreement nage
2022	4	76.0	City of Lewes Board of Public Works	Capes Cove Tenant Association Sewer Extension	45	Delaware Bay & Estuary - Broadkill River	\$874,347	N/A	N/A	\$874,347	212

Description of Project and Problem: The project will install approximately 275 feet of 8-inch PVC sewer main, three (3) manholes with frames and covers, one (1) Grinder Pump Station, approximately 130 feet of 2-inch PVC force main (manifolding into the BPW's existing force main system on New Road), approximately 625 feet of 6-inch PVC house sewer services with cleanouts, sewer main, service trench, and necessary private property restoration, for 13 mobile home units and one (1) adjacent commercial property, to serve the existing Capes Cove Tenant Association mobile home park w/BPW public sewer service. Also, the Association's existing, communitywide onsite septic system will be abandoned. Currently, the Capes Cove Tenant Association mobile home park is situated outside City limits and sanitary sewage is collected via gravity sewer pipe discharging into a communitywide on-site septic system. That existing collection and septic system is systemically problematic in that collection pipes from mobile home units are either just below grade or, in some cases, exposed above grade. The existing community septic system requires constant cleanout; the situation has become progressively worse with the septic system now requiring pump-out every 3-week. The Capes Cove community is concerned about wastewater leaching into the freshwater aquifers. Installation of the Board's public sewer system will eliminate the existing on-site, community-wide septic system and provide a safer, healthier, more-sustainable sewage collection and treatment alternative.

DE 0021512

Attachme	ent A - FF	Y 202	2 CWSRF Revised	I Wastewater, Stormwate	er, and GP	R Projects - Funding List					
FFY 2022	CWSRF	Wast	ewater and Storm	water Projects							
PPL Year	PPL Year Rank	PPL Score	Applicant	Project Name	Population Served	Waterbody / NPDES Permit	Total Project Cost	GPR Category	GPR Eligibility	CWRF Financing	CWA Project Type
2022	5	70.0	City of Wilmington	Aeration/Secondary Clarifiers Rehab. Phase 1 - Blowers, Valves, and Structural	70,000	Piedmont - Shellpot Creek NPDES DE0020320	\$8,700,000	N/A	N/A	\$8,700,000	212
Description the treatmen upgrade of the corroded, rea maintenance repairs to lea control valve	of Project a at process re he existing b sulting in sai e staff to mol aky walls and es, instrumer	and Pro moving lowers fety haz nitor and d ceiling nts, elec	blem: The existing aera soluble BOD to meet the with a more efficient type ards, operational inefficient d repair the existing large s to maintain structural i trical wiring, and controls	tion and final basin (secondary c e plant effluent requirements. The e of blower would have a significa encies, and reduced reliability. Ac e, loud, high heat blowers in the p ntegrity of secondary plant area s Aeration tank structural repai	larifier) structu e aeration syst ant impact. Aer dditionally, ma oipe gallery are · Blower Upgra rs/replacemen	tres at the Wilmington WWTP were built in 1971 and tem is estimated to be responsible for over 50% of th ration grids have not been replaced in almost 20 yea ny mechanical, electrical, and controls components is a concern. The major components of this project at ade: replace existing centrifugal blowers with highspe t: Replacement of existing concrete decking between	expanded in 1993 e overall power co rs. The steel and c are in poor condition re: - Secondary Pip sed turbo blowers we tanks for safety w	The seconda nsumption at concrete struct on and obsole be Gallery Imp with sound attuint with new alumi	ary system a the Wilmingt tures have se te. The safet rovements: i enuation, nev num grating.	t the WWTP is the on WWTP, theref everely deteriorate y of operations ar ncludes crack and w motor control co	 heart of ore, an ad and id substrate enter, air
2022	6	70.0	City of Wilmington	Digester Rehabilitation Phase 2	70,000	Piedmont - Shellpot Creek NPDES DE0020320	\$3,000,000	N/A	N/A	\$3,000,000	212
Description and well bey covers and i Phase 2 enc rehabilitatior as needed fo digester reha	of Project a ond their ex nstalling a h compasses t n for tank stri or cover sele abilitation wi	and Pro pected i ydraulic he work ucture (a ected, Pi ll be with	blem: At the Wilmingto useful life. The digester r mixing system (if neede needed on the second o after draining and cleanin ping and valve modificat n an estimated duration o	n WWTP, there are 5 operating o mixing system installed over 20 y d) that maintains uniform digeste of five digesters to be rehabilitate ng), Removal of old floating cove tions/improvements. Additional it of 9-12 months per digester.	digesters three rears ago has i er conditions. T d/repaired. Pro r, Installation o ems found dur	e of which were built in the 1950s and the other two b not been used and is inoperable. Operator experienc The interior condition of concrete inside the digesters oject Scope - This project would include the following of new fixed steel or membrane style cover, Installati ring condition assessment, such as structural issues	uilt in the 1980s. E te is that it never o is unknown, there g main components on of hydraulic mix are not currently ir	each has floati perated correct have not bee s: Condition as ing system (if ncluded in cos	ng steel cove ctly. The proj n any inspec ssessment to needed), Ele ts. Due to op	ers that are tilting, ect involves repla tions in at least 1 o fully define scop ectrical equipmen perational constra	corroded, cing the 5 years. e of t upgrades ints,
2022	7	70.0	City of Wilmington	Aeration/Secondary Clarifiers Rehab Ph2 Aeration and Final Basin Rehab	70,000	Piedmont - Shellpot Creek NPDES DE0020320	\$7,900,000	N/A	N/A	\$7,900,000	212
Description the treatmen and diffusers many mecha concern. In F longitudinal MCC for all s	of Project a at process re s have not b anical, electr Phase 1 of th and cross co secondary c	and Pro moving een repl ical, and nis proje ollectors arifier e	blem: The existing aera soluble BOD to meet the aced in almost 20 years d controls components a ct, the blowers and valve , collector motors, struct lectrical rated for outdoo	tion and final basin (secondary c e plant effluent requirements. The . The steel and concrete structur re in poor condition and obsolete es are replaced, and some of the ural repairs to concrete and steel r enclosure. • Aeration Tank Ove	larifier) structu e aeration syst es have sever e. The safety of e structural reh I, and replacer rrhauls: include	res at the Wilmington WWTP were built in 1971 and tem is estimated to be responsible for over 50% of the ely deteriorated and corroded, resulting in safety haz f operations and maintenance staff to monitor and re ab work is completed. Project Scope - The major con ment of electrical and control conduits. • Motor Contri- es new fine-bubble diffusers and/or grids, instrument	expanded in 1993 e overall power co ards, operational i pair the existing la nponents of this p ol Center: Replace ation, new controls	The seconda nsumption at nefficiencies, rge, loud, high roject are: • Fi existing moto s, and remaining	ary system a the Wilmingt and reduced heat blower nal Basins R or control cen ng structural	t the WWTP is the on WWTP. Aerat reliability. Additio rs in the pipe galle ehabilitation: inclu ter(s) with new co repairs.	e heart of ion grids inally, ery are a udes entralized

FFT 2022	2 CWSRF	Waste	ewater and Storm	water Projects							
PPL Year	PPL Year Rank	PPL Score	Applicant	Project Name	Population Served	Waterbody / NPDES Permit	Total Project Cost	GPR Category	GPR Eligibility	CWRF Financing	CWA Project Type
2022	8	70.0	City of Wilmington	Replacement of Dewatering Centrifuges	70,000	Piedmont - Shellpot Creek NPDES DE0020320	\$3,400,000	N/A	N/A	\$3,400,000	212
Description present non- dentified that project woul all equipmer more operat	-compliance at replaceme d include the nt and contro ionally efficie	challengent is rec ent is rec followir ols. Addi ent and o	<u>biem:</u> Centrituges are of ges. High quality solids of quired. Currently, the two ng main components: • F tionally, given its outdate can lessen performance	critical to the dewatering process enhance performance at the two o centrifuges cannot operate up t Removal of existing 2 centrifuges ed technology, any need for oper interruptions due to upkeep.	s and minimizin o existing centri to their full pote s, · Replacement rational modific	g solids disposal costs. Solids disposal of non-dew fuges were installed at the Wilmington WWTP in 1 intial. Due to their condition, frequent downtimes oc nt of 2 centrifuges, · Enhancement of electrical syst iation will require system shut off. The project includ	atered material wol 2999 and 2003. The cur due to repairs a em reliability · Ree les replacing the tw	y have been re and maintenan stablishment c o existing cen	readily avail ebuilt multiple ce are exper of controls, trifuges with	able disposal out e times and the ver ienced. Project S Factory and field new centrifuges t	et and endor has cope - Th esting of hat are
2022	9	70.0	City of Wilmington	South Wilmington Sewer Separation Outfall B and	70,000	Piedmont - Christina River	\$9,000,000	N/A	N/A	\$9,000,000	212
Description sewer pipes he Christina project can s A Street) wi	of Project a When it rai River. The start immedia	and Pro ns, wate South V ately. Th o be fund	blem:_The South Wilmi r will flow through the ne Vilmington Sewer Separa ie scope of work/funding ded under the currently f	Outfall C ington Sewer Separation project ew stormwater pipes and into the ation Outfall B and Outfall C proj g in this submittal will replace fun funded project scope. This subm	aims to reduce e restored Sout ect is listed in t ding previously ission requests	NPDES DE0020320 CSO volumes and provide flood mitigation. This p h Wilmington Wetlands Park (SWWP), where it will the City's Capital Improvement Plan (CIP) and has y approved under the South Wilmington Wetland Pa s funding for Phase 2 and 3 of the sewer separation	roject will separate be held, treated na approved spending rrk and Sewer Sepa construction, and	27 acres of cc aturally to remo authority from aration Project if approved, w	mbined sew ove pollutant City Counci . Phase 1 of Ill result in a	er pipes into storr s and gradually re I, meaning once f the sewer separa corresponding red	nwater an leased int unded, thi tion project duction of
Description sewer pipes he Christina project can s A Street) wi SRF drawdo nstallation o	of Project a When it rai a River. The start immedia ill continue to own requests on new drain	and Pro ns, wate South V ately. Th o be fund from th age inle	<u>blem:</u> The South Wilmi r will flow through the ne vilmington Sewer Separ- te scope of work/funding ded under the currently ded under the currently ts, - Installation of box n	Outfall C ington Sewer Separation project aw stormwater pipes and into the ation Outfall B and Outfall C proj i in this submittal will replace fun funded project scope. This subm loan to be replaced by the new S nanholes- Replacement of draina	aims to reduce e restored Sout ding previously ission requests SRF loan. Proje age inlets, - Enl	NPDES DE0020320 CSO volumes and provide flood mitigation. This p h Wilmington Wetlands Park (SWWP), where it will the City's Capital Improvement Plan (CIP) and has a paproved under the South Wilmington Wetland Pa s funding for Phase 2 and 3 of the sewer separation tot Scope - The major components of this project ar hancement of drainage vaults	oject will separate be held, treated na approved spending ark and Sewer Sepa construction, and e: - Installation of n	27 acres of co aturally to remo authority from aration Project if approved, w ew separate s	mbined sew ove pollutant City Counci . Phase 1 of Il result in a tormwater pi	er pipes into storr s and gradually re l, meaning once f the sewer separa corresponding rea pes and manhole	nwater an leased int unded, thi tion projec duction of s, -
Description sewer pipes he Christina project can si SRF drawdo nstallation o 2022	of Project : When it rai a River. The start immedia ill continue to wom requests on new drain	and Pro ns, wate South W ately. Th b be fund from th age inle 51.0	blem: The South Wilmi r will flow through the ne vilmington Sewer Separ: he scope of work/funding ded under the currently e currently funded SRF ts, - Installation of box n Sussex County Council	Outfall C Ington Sewer Separation project w stormwater pipes and into the ation Outfall B and Outfall C proj j in this submittal will replace fun funded project scope. This subm loan to be replaced by the new S nanholes- Replacement of draina Slaughter Beach Septic Elimination	aims to reduce e restored Sout ect is listed in t ding previously ission requests SRF Ioan. Proje age inlets, - Enl 165	NPDES DE0020320 e CSO volumes and provide flood mitigation. This p h Wilmington Wetlands Park (SWWP), where it will the City's Capital Improvement Plan (CIP) and has a v approved under the South Wilmington Wetland Pa s funding for Phase 2 and 3 of the sewer separation sect Scope - The major components of this project ar hancement of drainage vaults Delaware Bay & Estuary - Delaware Bay	roject will separate be held, treated na approved spending rk and Sewer Sepa construction, and e: - Installation of n \$21,695,687	27 acres of co aturally to remo authority from aration Project if approved, w ew separate s N/A	mbined sew ove pollutant City Counci . Phase 1 of Ill result in a tormwater pi	er pipes into storr s and gradually re l, meaning once f the sewer separa corresponding rea pes and manhole \$21,695,687	nwater aı Ieased ir unded, th tion proje Juction o' s, - 212

Attachme	ent A - FF	Y 202	2 CWSRF Revised	l Wastewater, Stormwat	er, and GP	R Projects - Funding List					
FFY 2022	CWSRF	Wast	ewater and Storm	water Projects							
PPL Year	PPL Year Rank	PPL Score	Applicant	Project Name	Population Served	Waterbody / NPDES Permit	Total Project Cost	GPR Category	GPR Eligibility	CWRF Financing	CWA Project Type
2022	11	50.0	City of Wilmington	11th Street Sewage Pump Station Replacement and Upgrade: Phase 2 of 4	70,000	Piedmont - Brandywine Creek NPDES DE0020320	\$14,500,000	N/A	N/A	\$14,500,000	212
Description meaning ond can be as lo critical part of upgrades to Replacemen Weather Pun discharge to switchgear in medium volt	of Project a ce funded th w as 7 MGD of the City's extend the u t and upgra mp Station of the existing n an outdoon age switchg	and Pro is project 0. The cu Long Te useful lif de that v consistin 84" force ear, · Si	blem: The 11th Street S ct can start immediately. urrent large pumps are u rm Control Plan. Numero e. The ability to perform will provide significant op g of a self-cleaning wet v ce main. This connection ure , New 2000 kva tran te civil upgrades to inclu	Sewage Pump Station Replacerr The City operates the 11th Street nable to effectively meet this low ous improvements have been may these upgrades is impacted by li- perational benefits while also ena- well and submersible pumps, · F o will require an extensive tapping sformers. · New low voltage swith de new grading, paving and fend	tent and Upgra et Pump Station of flow condition ade to this pum imitations within abling future rel four 15 MGD sing g and line-stop tchgear and VF cing around the	the Project is listed in the City's Capital Improvemen in to convey the majority of the City's raw sewage fro in Peak wet weather flows exceed 150 MGD. Maintai inp station over its history. However, it is nearly 70 yean in the pump station and the discharge piping. Conse habilitation or replacement of the existing pump station ubmersible pumps to provide a total pump station cap ing operation, · New check valves, plug valves and FDs to serve both the new and existing pump station e existing site.	t Plan (CIP) and ha m the City to the tr ning a firm pumpin ears old and severa quently, the City in on. Project Scope apacity of 60 MGD, I ductile iron piping s, · Demolition of a	as approved S eatment plant g capacity of a al aspects of th tends to const - The major cc · New 72" for for the pump an existing traf	pending Aut During low at least 150 l ee pump stat ruct a 11th S omponents c ce main to co discharges, fic building,	nority from City Co flow periods the pl MGD at 11th Street ion require signific Street Sewage Pur if this project are: onnect the pump s · New medium vo existing transform	ouncil, lant output et is a xant mp Station · Dry station ltage ers and
2022	12	48.0	Diamond State Sustainability Corporation	Grants Way Septic Elimination	150	Delaware Bay & Estuary - Broadkill River 359109-02	\$4,594,400	N/A	N/A	\$4,594,400	212
Description (DSSC). DS and 1 lot is t Prime Hook Frequently, t reaching its transmission Woodfield P long term wa leverages ex	of Project a SC in a 501 he Tidewate Wildlife Ref because 2 h useful life. It a system me reserve is th astewater so kisting treatm	and Pro C3 non- er water uge. The omeowr is not e eting Su en pum lution fo nent and	blem: Grants Way is low profit wastewater utility re facility. Generally, two ho e development is located hers share a septic tank, xpected that this system ped to one of the Artesia r the community. This pl d disposal capacities, 3)	cated on Broadkill Rd just east o egulated by the Public Service C suses share one 1,500 gallon se I within the Prime Hook subwate high solids wastewater from 1 h can be sustainably maintained a 38 standards. After the wastewa In's state-of-the-art wastewater t an would be consistent with DNF regionalization is promoted, 4) d	of the intersection commission. The ptic tank provide rshed of the Bre omeowner can and operated for the ris collected reatment and co REC and Susse uplicate infrast	on with Rt. 1. The Grants Way community septic systeme Grants Way community consists of 80 subdivided ding primary treatment. The remaining wastewater is roadkill watershed. The system is approximately 25 years the neighboring user to experience back-ups for the long term and is not deemed a reliable, long-tude, it would be pumped to the nearby Woodfield Prese disposal systems. Capacity at Artesian's facility woul ex County sewer standards and policies because 1) ructure is not built, and 5) septics are eliminated from	tem is owned and lots. Of the existin disposed of at the years old. Several the existing colle erm solution for the erve development to d need to be purch the infrastructure v m the Broadkill Wa	operated by E g lots, 77 are community d of the septic ta ection system e community. I hat is serviced nased. These i would be cons itershed.	iamond Stat single family ain field. Th inks are losii is 4-inch gra t is proposed I by Artesian upgrades wo tructed to Or	e Sustainability Co homes, 2 lots are e drain field is adja ng their structural vity piping. This sy t to install a collec . The wastewater uld provide a sust dinance 38 standa	orporation + vacant, acent to integrity. /stem is tion and from tainable, ards, 2) it
2022	13	45.0	City of Newark	Sanitary Sewer Study and Repairs	33,000	Piedmont - Christina River	\$3,100,000	N/A	N/A	\$3,100,000	212
Description Interceptor a fractures, inf inspection, v This would b	of Project a and the upstr low and infil various point be a recurrin	and Pro ream po tration, i repairs g projec	blem: This project proportion of the Cool Run Inter roots, and a multitude of , and applying liners in a t as we continue our plan	oses to address the major deficie erceptor, the two main trunk lines other issues. To address these reas requiring rehabilitation. Clea n to try to visually inspect 5-10%	encies that wer s that receive s issues, this pro aning, inspection of the City's se	e identified in the previous five years' worth of sewe sewage from Newark. Some of the deficiencies ident oject spans the entire City sewer system including bo on, and rehabilitation activities are prioritized based ewer mains per year.	r inspections. The ified so far are mai oth the White Clay on the City's Sewe	City has focus ins exposed in and Cool Run er Cleaning Pro	ed on inspec the bank of Basins. This ogram and th	ting the White Cla the White Clay Cr project includes (Capacity Planni	ay Creek 'eek, CCTV ing Report.

Attachme	ent A - FF	Y 202	2 CWSRF Revised	Wastewater, Stormwate	er, and GP	R Projects - Funding List					
EEV 2022	CWSPE	Wast	water and Storm	water Projects							
PPL Year	PPL Year Rank	PPL Score	Applicant	Project Name	Population Served	Waterbody / NPDES Permit	Total Project Cost	GPR Category	GPR Eligibility	CWRF Financing	CWA Project Type
2022	14	45.0	Town of Clayton	Sewer Rehabilitation Utilizing Cured-In-Place Pipe Lining	3,798	Delaware Bay & Estuary - Smyrna River	\$1,175,000	N/A	N/A	\$1,175,000	212
Description which include and industria wastewater of polyvinyl chle repairs, it wa Infiltration re- both Smyrna mains in the utilizing a Wa study indicat proposes to Town also de Rehabilitatio a liner mater laterals and fi cutting mach curing time, v	of Project a es eight (8) al properties collection sy oride (PVC) is noted that duces the ca and Kent C older part o astewater M es that a sig use the func- esires to reh n of these p ial into the e taps, and joi ine. Bypass which exten	and Pro pumping within ti stems and vitr ground apacity of county for fothe Too atching gnificant ds receive abilitate ipes is p existing i nts with pumpir ds the d	blem: The Town of Cla g stations and associate he incorporated Town lir The Town of Clayton's o ified clay pipe (VCP). In water levels were extrer of both the Town's collect or the amount of wastew wn's collection system w Planning Grant in 2021. portion of the existing si- ved through the America e those mains deemed le proposed using cured-in- pipe and then cures the major offsets. Once the major offsets pupping is required for the dur- uration of bypass pumpi	yton covers approximately 3.0 sq d force mains, as well as approxi nits. Approximately 230,000 – 35 riginal wastewater collection syste late 2020 and early 2021, the To nely high, likely causing infiltratio ction system and downstream fac ater flow in their respective transr vas performed by an independent. This assessment was utilized by anitary sewer pipes evaluated are n Rescue and Recovery Act to re sugent in the prepared study t place pipe lining to minimize the liner onto the host pipe typically w liner is installed, circulating heat ation of the installation process, a ing. The finished product is a pipe	uare miles and mately 12 mile 0,000 gallons em, installed in wn experience n previously of ilities, includin mission and tre contractor usion v Verdantas (foc e in need of rele habilitate the o reduce infiltr disruption in s with heat or ult ed water, stea and the installe e within a pipe	d has a population of 3,961 as reported in the 2020 of es of sanitary sewer. The Town provides service to 1 per day (GPD) of wastewater is either pumped or floo n 1915, was primarily composed of 4-inch cast iron p d multiple emergency repair situations in the sewer 1 bserved during a 1986 Inflow & Infiltration (I&I) Study og the Town of Smyrna sewer system and Kent Coun eatment facilities, additional costs are incurred by the ing closed-circuit television (CCTV) and a Pipeline A ormerly Duffield Associates) to develop prioritized red habilitation either through pipe replacement or other pipes identified as in urgent need of repair or replace ration of groundwater into the sanitary sewer system service to the residents while improving the condition raviolet (UV) light. Prior to installation, the inside of t m, or UV light is used for the curing process. After th ed product will reduce the interior diameter of the pip , typically with smooth interior walls.	census. The Town ,294 metered cust ws by gravity to be ipe. The original p mains in the older or and discussed in ty transmission ar e Town resulting fr ssessment and C commendations fo alternative measu ement, which is co and continue to m of the system. Cu he pipe must be cl ie liner is cured, la e by approximately	owns, operate omers includir th the Town o iping has sinc part of the Tov the 2018 Sew d treatment fa om infiltration. crification Pro r sewer main i res before furt stly due to the aintain uninter red-in-place p eaned and cle terals are rein y 5 percent. Th	es, and main ng residentia f Smyrna's a e been repla wn's collectic er System A collities. Sinc A condition gram (PACF mprovement her deteriora ir age, depth rupted servi ipe (CIPP) lin eared of obst stated throug ne installation	tains a wastewate l and commercial ind Kent County's loced with 6" throug on system. During sset Management e the Town pays fr assessment of the based rating system s and estimated c ation occurs. The t, and location. Ho ce to its residents, ning is performed ructions, debris, ir gh a remotely open n of CIPP product	r system customers h 12" the Plan. ees to e sewer item osts. The Fown wever, the by pulling truding rated requires
2022	15	40.0	City of Wilmington	Prices Run Sewer Interceptor Rehabilitation	70,000	Delaware Bay & Estuary - Delaware River NPDES DE0020320	\$10,100,000	N/A	N/A	\$10,100,000	212

Description of Project and Problem: Price's Run interceptor is roughly 9,000 linear feet (LF) of large diameter sewer interceptor that is in the north northeast section of the City of Wilmington's combined collection system in a disadvantaged community. Price's Run has an assortment of pipe diameters and materials, with some defects affecting some sections of the run more

than others. Of the 9,000 LF that have been inspected 5,500 LF are the priority areas of the greatest need and highest risk within the Interceptor. In the section, it has been determined that the invert voids are expanding, and new voids are occurring overtime. CSO4A is located on N Locust Street and drains to the Brandywine River. There are three separate control structures that were built over generations from the 1950s through the early 2000's with technologies to reflect that span of time. This includes a tidegate wall, stop log chamber and gates controlled by a Real Time Control System. These 3 separate control structures do not operate as an integrated system. This results in Combined Sewer Overflows that occur outside of the structured overflow during large rain events. The interceptor also functions to convey backwash water from the Porter Drinking Water Filtration Plant. Failure of the interceptor would result in significant localized flooding, combined sewer overflows to the Brandywine Creek, and potential shut down of the Porter Filter Plant. The project includes rehabilitation of the interceptor using primarily trenchless technologies (less public disturbance) to maintain reliability of the pipes, reduce flooding potential and maintain operation of the water treatment plant and the communities in Wilmington the interceptor serves for sanitary sewage collection. Rehabilitation of the outfall is required to reduce localized flooding, property damage and regulated combined sewer overflows. Project Scope - The major components of this project are: Repair/Replacement of degraded/missing sections of pipe for approximately 5,500 LF, · For the concrete pipe invert erosion: Fill erosion with cementitious or geopolymer-material, · For reinforced concrete pipe with crown fractures, clean out fracture with water, then fill with urethane or cementitious grout, as appropriate, · Design and construct a single structure or series of structures at CSO4A to reduce the current head loss, with the goal of maintaining

Attachme	ont Δ - FF	Y 202	2 CWSRF Revised	Wastewater Stormwat	er and GP	R Projects - Funding List					
		1 202									
FFY 2022	CWSRF	Waste	ewater and Storm	water Projects							
PPL Year	PPL Year Rank	PPL Score	Applicant	Project Name	Population Served	Waterbody / NPDES Permit	Total Project Cost	GPR Category	GPR Eligibility	CWRF Financing	CWA Project Type
2022	16	40.0	Town of Middletown	Rapid Infiltration Basins - Von Croy Farm	3,798	Delaware Bay & Estuary - Apoquinimink River	\$2,982,962	N/A	N/A	\$2,982,962	212
Description MGD, avera 3.5 MGD wit ft. of infiltrati Town has su	of Project a ge daily flow h expansion on surface e ufficient disp	and Pro is appro up to 5 equating osal cap	blem: Middletown owns boximately 1.6 MGD. The .0 MGD in the future. To to an estimated 1.775 M bacity for the foreseeable	and operates the Middletown W Town disposes of treated waste dispose of this wastewater, the IGD of infiltration. This project co future.	/WTP with an water via spra Town is propo oupled with the	11.8-square-mile service area consisting of two sew y irrigation and rapid infiltration basins. The Town is sing to construct 51 rapid infiltration basins on the pa Treated Effluent Pumping Station and Force Main to	er districts with 24 currently designing rcel known as the o Water Farm #1 (i	pump stations and building Von Croy Far NOI applicatio	s. The plant's an upgrade f m. These Rl n submitted	s current design flo to their WWTP to BS will provide 59 separately) will en	ow is 2.5 treat up to 0,400 sq. isure the
2022	17	35.0	City of Seaford	Martin Farms Sewer Relocation	169	Chesapeake Bay - Nanticoke River NPDES DE0020265	\$3,121,282	N/A	N/A	\$3,121,282	212
new mains a	and services	to each 40.0	residence in the neighbo	Northwest Region Septic	30	Delaware Bay & Estuary - Apoquinimink River	\$460,000	N/A	N/A	\$460,000	212
Description	of Project a	and Pro everal c	<u>blem:</u> The Town of Mid ommercial establishmen	dletown has been approached b	y the owner of	parcel 23-028.00-248 to provide the property sewer y served by septic system. The proposed improveme	service as this pro	operty utilizes 8 inch sewer r	a septic syst	em. With this proj	ect, the pumps at
the pump sta	ation. All par	cels in t	he project area are withi	n the Town limits.							
2022	19	20.0	Town of Middletown	Treated Effluent Pumping Station and Force Main to Water Farm No. 1	22,582	Delaware Bay & Estuary - Apoquinimink River	\$13,828,000	N/A	N/A	\$13,828,000	212
Description MGD, avera 3.75 MGD w treatment ar treatment fa application. reduce the lo	of Project a ge daily flow rith expansio ad disposal fa cility. The Co The Town's pading of nite	and Pro is appro- in up to s acility fo punty wo project v rogen ar	blem: Middletown owns oximately 1.6 MGD. The 5.0 MGD in the future. The r southern New Castle C build receive and then pur would provide abundant and phosphorus within the	and operates the Middletown W Town disposes of treated waste he Town is seeking funding for a county. The project includes an a mp the treated effluent via a sep disposal capacity to the Town, a e water shed by transporting was	/WTP with an water via spra new pumping approximately 3 arate force ma lleviate the To tewater from th	11.8-square-mile service area consisting of two sewer y irrigation and rapid infiltration basins. The Town is of station and force main to convey treated effluent to 29,000 LF - 20" force main from a new pump station a ain to a new Delaware River outfall. The County's force wn from operation and maintenance of and restriction he impaired Appoquinimink River watershed and to the	er districts with 24 currently designing New Castle Count at the Town's exist ce main and Delaw ns associated with he non-TMDL limit	pump stations g and building y's Water Farr ing WWTP to vare River outf spray irrigatic ed Delaware F	s. The plant's an upgrade f m No.1, whic the County's fall are the su on and rapid River.	s current design flo to their WWTP to h is the County's i s Water Farm No. ubject of a separa infiltration basins,	ow is 2.5 treat up to regional 1 te CWSRF and

Attachme	ent A - FF	Y 202	2 CWSRF Revised	Wastewater, Stormwate	er, and GP	R Projects - Funding List					
PPL Year	PPL Year Rank	PPL Score	Applicant	Project Name	Population Served	Waterbody / NPDES Permit	Total Project Cost	GPR Category	GPR Eligibility	CWRF Financing	CWA Project Type
2022	20	20.0	Town of Middletown	Northeast Quadrant - Sewer System Improvements	173	Delaware Bay & Estuary - Appoquinimink River	\$2,568,553	N/A	N/A	\$2,568,553	212
Description	of Project	and Pro	blem: The Town of Mid	dletown has, for several years, c	ontinues to re	place old and aging infrastructure within targeted are	as of the Town. Th	ie northeast q	uadrant is ar	n area northeast o	f the

intersection of Broad Street and Problem. The Fown of Middlefowin has, for several years, continues to replace one and aging innastructure within targeted areas of the Fown. The horiteast quadrant is an area horiteast, or area for the several years, continues to replace one and aging innastructure within targeted areas of the Fown. The horiteast quadrant is an area horiteast, or area for the several years, continues to replace one and aging innastructure within targeted areas of the Fown. The horiteast quadrant is an area horiteast, or area horiteast, or area horiteast, quadrant is an area horiteast, quadrant is an area horiteast, or an area horiteast, duadrant is an area horiteast, duadrant is an area horiteast, duadrant is an area horiteast, or an area horiteast, duadrant is an area horiteast, duadrant is an area horiteast, or an area horiteast, duadrant is an area horiteast, duadrant area horiteast, and area horiteast, duadrant area horiteast, and area

2022	21	20.0	Diamond State Sustainability Corporation	Sandy Ridge	150	Chesapeake Bay - Broad Creek	\$4,157,400	N/A	N/A	\$4,157,400	212
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Description of Project and Problem: Sandy Ridge is located on Old Stage Rd just east of the Town of Laurel. The Sandy Ridge community septic system is owned and operated by Diamond State Sustainability Corporation (DSSC). DSSC in a 501C3 non-profit wastewater utility regulated by the Public Service Commission. The Grants Way community consists of 72 subdivided lots. Of the existing lots, 67 have single family homes and 5 are vacant. Of the 67 homes, 4 of them have individual septic systems on their property. Therefore, there are 63 existing customers. Generally, two houses share one 1,500 gallon septic tank providing primary treatment. The remaining wastewater is disposed of at the community drain field. The development is located within the Broad Creek watershed of the Chesapeake Bay. The system is approximately 25 years old. Several of the septic tanks are losing their structural integrity. Frequently, because 2 homeowners share a septic tank, high solids or other flushable items from 1 homeowner can cause the neighboring user to experience back-ups. The existing collection system constructed in accordance with Sussex County engineering standards. The existing septic tanks and 4-inch piping will be replaced with 8-inch diameter gravity sewers, new manholes, and clean-outs. A new centralized pump station with emergency power would be constructed. A primary clarifier and sludge holding tank would be constructed to provide centralized sludge management. These upgrades would facilitate future improvements as well. For example, a new wastewater treatment plant could then be constructed or the wastewater could be pumped offsite to a regional system. These upgrades would be constructed to Ordinance 38 standards and it facilitates futures regionalization. Financing assumptions include: 1) this project would need to be approved by the PSC, 2) are tain crease would be available to provide a user fee less than 1.5% MHI. The project is located in US Census Tract 517.02 and it is anticipated that the community is within

Sub-Total FFY 2022 Wastewater and Stormwater Projects

\$335.344.403

\$288.645.103

FFY 202		GPR	Projects (*The Per	centage of the Proje	ect that is E	nergy Efficient will be determined	after receipt	of application	<u>יי</u>		0.00
PPL Year	PPL Year Rank	PPL Score	Applicant	Project Name	Population Served	Waterbody / NPDES Permit	Total Project Cost	GPR Category	GPR Eligibility	CWRF Financing	CWA Project Type
2020	3	50.0	New Castle County / DeIDOT	Robscott Manor Water Quality Improvement Project	961,939	Piedmont - Christina River WPCC 3063A/96	\$2,046,480	Green Infrastructure	N/A	\$997,000	319/GPR
mprove wa recharge, in Jownstream 1,650 ft of s existing cha Improveme	er quality as proving wat flooding, ind tream within nnel is incise ts Projects	a result er quality creased NCC ow ed, active solicitatic	In the reduction of channels y (by trapping nutrients a native habitat, and recre vned land, and an additic ely eroding, and contribu on).	nel erosion. The stream rest ind sediment), improving in- ation. The project is located onal 117 ft within drainage er ting sediment downstream.	toration will emp stream habitat fo within the Robs asements under The restoration	loy the floodplain reconnection technique. This or plants, fish, and invertebrates, and restoring cott Manor Park between Sanford Drive and E- the jurisdiction of Newark. The stream accepts will lower the energy in the system by adding a	provides significa the natural riverine djil Drive just east runoff from 12 De floodplain, makin	nt ecological bene e processes. Addi of SR-896 and so eIDOT outfalls, tot g the stream more	efits by enco itional benefi outh of SR- 4 taling 282 ac e stable. (Wa	uraging groundw its include a decru . There is approx res of drainage. as part of the Wal	ater ease in imately The ershed
2020	3	50.0	DNREC, Division of Watershed	Watershed Improvement	961,939	TBD	\$1,503,000	TBD	N/A	\$1.503.000	319/GPR
2020			Stewardship	Projects		N/A	• 1,000,000			+ -,,	
Description consideratic vatershed p organizatior	n of Project in through a ilan; water quis.	and Pro Special I uality imp	Stewardship blem: Implemented pro Project Solicitation Adve provement; eligibility of a	jects will be specifically desi rtisement conducted by the applicant and project; and ap	igned to improve Division of Wate oplicant capacity	N/A e water quality as part of specific Delaware prio ershed Stewardship, Nonpoint Source (NPS) Po . Partnerships are encouraged where necessa	rity watershed imp ollution Program b Iry to promote larg	provement plans. ased on geograpi er projects that ar	Proposals w hic scope; w re beyond th	ill be selected for atershed impairm e capacity of sma	funding ient; iller
Description consideratic watershed p organizatior 2020	n of Project n through a Jan; water q Is. 8	and Pro Special uality imp 50.0	Stewardship blem: Implemented pro Project Solicitation Adve provement; eligibility of a City of Lewes	jects will be specifically desi rtisement conducted by the applicant and project; and ap	igned to improve Division of Wate oplicant capacity 3,500	N/A e water quality as part of specific Delaware prio ershed Stewardship, Nonpoint Source (NPS) Pd . Partnerships are encouraged where necessan Delaware Bay & Estuary - Broadkill River N/A	rity watershed imp ollution Program b Iry to promote larg \$5,500,000	orovement plans. ased on geograph er projects that ar Green Infrastructure	Proposals w hic scope; w re beyond th	ill be selected for atershed impairm ie capacity of sma \$1,500,000	funding ient; iller 319/GPR
2020 Description consideratic watershed p organization 2020 Description Kings Highv nunicipal w and in the (nfluence that quality of that as provide f	of Project of Project of Arrough a olan; water q is. s of Project /ay just outsi ells. It also s cape Henlop an wells that wells. Also ood protection	and Pro Special uality im 50.0 50.0 ide of Le its at the en region are in th , given th on by no	Stewardship blem: Implemented pro Project Solicitation Adve provement; eligibility of a City of Lewes blem: The City of Lewe wes city limits. This piece headwaters of Ebeneze n. The property is adjace ie confined aquifer, and he location of the propert t adding impervious cove	projects jects will be specifically desi rtisement conducted by the applicant and project; and ap Jones Farm Purchase s is partnering with the Lewe e of land is a critical parcel t er Branch, a tributary of Cana- ant to the wellfield for the wa protecting this land will ensu y at the headwaters of Eber er to a watershed that alread	igned to improve Division of Wate oplicant capacity 3,500 es Board of Pub to preserve as it ary Creek. The iter system oper ire that the land nezer Branch ar dy experiences t	N/A e water quality as part of specific Delaware prio ershed Stewardship, Nonpoint Source (NPS) Po- p. Partnerships are encouraged where necessar Delaware Bay & Estuary - Broadkill River N/A lic Works and Sussex County to purchase the is part of the region's open space network and parcel is located in the rapidly-growing Lewes a ated by the Lewes Board of Public Works. The is not developed with impervious cover that will d its associated wetlands, protection of this pro- flooding problems.	vity watershed imp ollution Program b ary to promote larg \$5,500,000 Jones Farm, a +/-(because it lies with rea, one of the fex Board's wells are 1 reduce recharge perty will benefit t	Green Infrastructure 34.5-acre parcel of thin the wellhead <i>v</i> remaining large in the unconfined capacity or devel he water quality of	Proposals w hic scope; w re beyond th N/A of land at the protection or tracts of un aquifer, whi oped with us of this tributa	ill be selected for atershed impairm e capacity of sma \$1,500,000 corner of Clay R rdinance for the C protected, undeve ich have a larger ses that adversely ry to Canary Cree	funding eent; aller 319/GPR oad and Xity's eloped area of v affect the ek, as well
Description consideratic watershed p organization 2020 Description Kings Highv nunicipal w and in the C andiu the C angluence th quality of th as provide f Sub-Total	of Project of Project of Arrough a olan; water q is. s of Project /ay just outsi ells. It also s /ape Henlop an wells. that e wells. Also ood protectio FFY 2022 (and Pro Special uality im 50.0 50.0 ide of Le its at the en region are in th , given th on by no	Stewardship blem: Implemented pro Project Solicitation Adve provement; eligibility of a City of Lewes blem: The City of Lewe wes city limits. This piece headwaters of Ebeneze n. The property is adjace e confined aquifer, and phe location of the propert t adding impervious cove ojects	projects jects will be specifically desi rtisement conducted by the applicant and project; and ap Jones Farm Purchase s is partnering with the Lewe e of land is a critical parcel t er Branch, a tributary of Cana- ant to the wellfield for the wa protecting this land will ensu ty at the headwaters of Eber er to a watershed that alread	igned to improve Division of Wate oplicant capacity 3,500 es Board of Pub to preserve as it ary Creek. The tar ystem oper iter system oper iter system oper iter system oper iter system oper dy experiences t	N/A e water quality as part of specific Delaware prio ershed Stewardship, Nonpoint Source (NPS) Po- point Source (style="background-color: blue;">	Green Infrastructure 34.5-acre parcel of thin the wellhead w remaining large in the unconfined capacity or devel he water quality of	Proposals w hic scope; w re beyond th N/A of land at the protection ou tracts of un aquifer, whi oped with us of this tributa	ill be selected for atershed impairm e capacity of sma \$1,500,000 corner of Clay R rdinance for the C protected, undeve ich have a larger ses that adversely ry to Canary Cree \$4,000,000	funding lent; aller 319/GPF oad and Xity's eloped area of area of affect the ek, as well

Notes: Section 212 Publicly-Owned Treatment Works; Section 319 Non-Point Source; Section 320 Natural Estuary; LCL and Conservation Loan; WQIL Water Quality Improvement Loan; GPR Green Project

Attachment B CWSRF Non Federal Administrative Account (NFAA) Current and Planned Uses

Prior Year Ending Fund Balance SFY 21/Starting Balance S	SFY 22	\$		8,029,768.00			
	FY20	FY21	FY22	FY22	FY23	FY24	FY25
	Actual	Actual	To Date 4/30/2022	Projected	Projected	Projected	Projected
1. Revenue (includes Fed and Non-Fed Admin)			ļ				
Total Annual Revenues	\$3,535,500	\$3,417,714	\$3,077,348	\$3,301,440	\$3,464,801	\$3,623,263	\$3,784,894
2. EF Administrative Expenses and Uses (includes Fed	and Non-Fed Adm	nin)					
Total Administrative Expenses	\$1,071,021	\$1,128,137	\$969,933	\$1,247,882	\$1,363,765	\$1,481,927	\$1,602,411
Total Administrative Obligations Remaining	\$197,903	\$374,601	\$82,328	\$200,000	\$200,000	\$200,000	\$200,000
3. CWSRF State Match	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4 Grant Program Expenses & Additional DNREC Position	on Salaries/Benefit	c					
Total Program Expenses	\$1,389,393	\$1.372.341	\$1.093.418	\$2,239,365	\$2,596,976	\$2.611.932	\$2.626.537
Total Grant Program Obligations Remaining	\$1,299,050	\$1,604,623	\$1,541,725	\$2,777,241	\$1,417,667	\$1,417,667	\$1,417,667
5. Total NFAA Expenses	\$2,460,414	\$2,500,478	\$2,063,351	\$3,487,247	\$3,960,741	\$4,093,858	\$4,228,948
Total NFAA End of FY Obligations	\$1,496,953	\$1,979,224	\$1,624,053	\$2,977,241	\$1,617,667	\$1,617,667	\$1,617,667
6. Annual Fund Growth (Decrease)	\$1,075,086	\$917,236	\$1,013,997	(\$185,806)	(\$495,940)	(\$470,595)	(\$444,054)
7. Balances							
Cash Balance	\$7,112,189	\$8,029,768	\$9,043,765	\$7,843,961	\$7,348,021	\$6,877,426	\$6,433,372
Available Balance	\$6,690,322	\$6,967,780	\$7,419,712	\$4,866,720	\$5,730,354	\$5,259,759	\$4,815,705
8. Grant Program Annual Budgets							
SEEO Program (strictly for low-income)	\$350,000	\$385.000	\$350,000	\$350.000	\$1 000 000	\$1,000,000	\$1 000 000
Wastewater Matching Planning Grants	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Wastewater Asset Management Grants	\$200,000	\$200,000	\$300,000	\$300,000	\$500,000	\$500,000	\$500,000
Wastewater Planning Advance Grants	\$200,000	\$200,000	\$352,700	\$352,700	\$400,000	\$400,000	\$400,000
Surface Water Matching Planning Grants	\$250,000	\$250,000	\$305 500	\$305 500	\$259,151	\$259 151	\$259,151
Community Water Quality Grants	\$250,000	\$250,000	\$280,016	\$280,016	\$308 516	\$308 516	\$308 516
	\$1,599,700	\$1.435.000	\$1.738.216	\$1.738.216	\$2.617.667	\$2.617.667	\$2.617.667
Obligated	\$1,496,953	\$1,979,224	\$1,624,053	\$2,977,241	\$1,617,667	\$1,617,667	\$1,617,667

Attachment C: Sources and Uses of Funds for the CWSRF

SFY 2022 Beginning Fund Balance	July 1, 2021		\$77,555,636
SFY 2022 Source of Funds Capitalization Grant (FFY21) State Match - (20%) Repayments* Investment Interest		\$7,779,000 1,555,800 19,843,893 <u>0</u>	
Sources Subtotal projected through	June 30, 2022		\$29,178,693
SFY 2022 Use of Funds			
Construction Loan Disbursements* Administration - (1/5th of 1% of net position) Reserved for Transfer of Funds back to DWSRF (as	s needed)	\$26,516,987 646,568 <u>As Needed</u>	
Total Uses Projected			(\$27,163,555)
SFY 2022 Projected Fund Balance	June 30, 2022		\$79,570,774
SFY 2023 Source of Funds Base Capitalization Grant (FFY22) Base State Match - (20%) Supplemental Capitalization Grant (FFY22) State Match Supplemental Emerging Contaminents Capitialization Grant (FFY2 State Match Emerging Contaminents Repayments Investment Interest Projected Sources Subtotal	2) June 30, 2023	\$5,681,000 1,136,200 8,738,000 873,800 459,000 0 22,385,248 <u>0</u>	\$39,273,248
SFY 2023 Use of Funds			
New Loans Closed - From IUP Section 212 Projects Closed Section 319 Projects Closed Section 320 Projects Closed Land Conservation Loans Closed Green Projects Closed Proposed Administration - (1/5th of 1% of net position Proposed Technical Assistance - (2% of Cap Grants Reserved for Transfer of Funds back to DWSRF (as	on) s) s needed)	\$ 288,645,103 0 0 4,000,000 667,665 297,560 <u>As Needed</u>	
Total Loan Obligations <u>Proposed</u> Estimated Disbursements on loans closed		\$ 293,610,328.00	\$94,280,951
SFY 2023 Projected Fund Balance	June 30, 2023		\$24,563,071
*includes projections through SEV and 6/20/2022			

*includes projections through SFY end 6/30/2022

Delaware Water Pollution Control Revolving Fund Attachment D: Binding Commitment and Disbursements by Project

Data Sources: Project Status Report, Cash Flow Report, a	nd 2022 Draft P	PL/IUP			Disbi	irsements End	ling 9/30/2023
				10/1/2022	1/1/2023	4/1/2023	7/1/2023
				12/31/2022	3/31/2023	6/30/2023	9/30/2023
		Pinding	Est.				
Project	Loan Amount	Commitment Date	Construction Completion	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Wastewater Projects			Date				
City of Wilmington							
Prices Run Sewer Interceptor Rehabilitation	\$10,100,000	Pending	Sep-25	\$0	\$3,030,000	\$4,040,000	\$2,525,000
Digester Rehab Phase 2	\$3,000,000	Pending	Sep-23	\$300.000	\$900.000	\$2,610,000	\$3,480,000
Clarifiers Rehab Phase 2	\$7,900,000	Pending	Sep-23	\$790,000	\$1,580,000	\$1,975,000	\$3,555,000
Centrifuges Replacement	\$3,400,000	Pending	Sep-23	\$340,000	\$1,020,000	\$1,020,000	\$1,020,000
11th Street Pump Station Replacement	\$9,000,000	Pending	Dec-23	\$900,000	\$4,350,000	\$2,250,000	\$4,350,000
City of Lewes Board of Public Works	+	, i sinanig		+ ·] · • •] • • • •	+ .10001000	+ .,	+ .,
Savannah Road Sewer Extension	\$2,025,000	Pending	Mar-24	\$0	\$0	\$506,250	\$506,250
Donovan Smith MHP Sewer Extension	\$2,742,146	Pending	Nov-23	\$0	\$822,644	\$1,096,858	\$274,215
Cape Heniopen State Park Sewer Extension Capes Cove Sewer Extension	\$3,875,000	Pending	Dec-23	\$387,500	\$1,162,500	\$1,162,500	\$1,162,500
Sussex County Council	\$014,041	ronung	200 20	φ0	ψŬ	φ114,000	φ114,000
Briarwood Estates	\$2,365,802	Pending	Jan-24	\$0	\$236,580	\$473,160	\$473,160
Slaughter Beach Septic Elimination	\$21,695,687	Pending	Nov-24	\$0	\$0	\$2,169,569	\$6,508,706
Lochwood Blackwater Village	\$8,439,458	Pending	Apr-24 Mar-24	\$U \$0	\$0	\$1,687,892	\$1,687,892
Countryside Hamlet	\$1,840,400	Pending	Sep-23	\$184,040	\$736,160	\$368,080	\$552,120
Kent County Levy Court		Ŭ	•				
Biosolids Capacity Expansion Project	\$17,000,000	Mar-21	Jul-24	\$3,400,000	\$6,800,000	\$5,100,000	\$1,700,000
US Force Main Replacement - Pucheon Run	\$6,894,015	Jan-22 Donding	Dec-23	\$0	\$2,068,205	\$2,757,606	\$1,378,803
Town of Middletown	\$722,030	Fending	Jan-25	\$72,200	\$210,637	φz10,657	\$210,007
NE Quadrant Sewer System Rehab	\$2,568,553	Pending	Jan-24	\$0	\$0	\$513,711	\$1,027,421
NW Septic Elimination	\$460,000	Pending	Aug-23	\$46,000	\$368,000	\$46,000	\$0
RIBs Van Croy Farm	\$2,982,962	Pending	Dec-23	\$0	\$0	\$298,296	\$2,684,666
Pump Station & Forcemain to Water Farm #1	\$13,828,000	Penaing	Dec-24	\$0	\$0	\$0	\$0
E Commerce Street Utility Replacement Project	\$1,940,881	Apr-19	Dec-23	\$0	\$0	\$388,176	\$388,176
Sewer System Rehab	\$1,175,000	Pending	Apr-23	\$117,500	\$940,000	\$117,500	\$0
City of Seaford							
Waste Water Treatment Facility Upgrade & Expansion	\$7,300,000	Pending	Sep-23	\$0 \$0	\$0	\$730,000	\$2,920,000
New Castle County	\$3,121,262	Pending	Dec-24	پ 0	 ФО	\$312,120	\$1,246,513
Airport Rd Sanitary Sewer Revitalization	\$7,750,000	Pending	Apr-24	\$0	\$0	\$775,000	\$3,100,000
Christina River Force Main Rehab - WIFIA	\$33,150,000	Pending	Sep-23	\$0	\$0	\$3,315,000	\$6,630,000
Holloway Terrace Sanitary Sewer	\$2,200,000	Pending	Jun-23	\$0 \$0	\$0 \$0	\$220,000	\$440,000
Brandywine Intercentor Replacement Phase I	\$1,309,933	Pending	Oct-23	\$0 \$0	\$0 \$0	\$130,993 \$0	4201,967 \$0
Interstate Highway Crossings Sanitary Sewer Pipe Rehab	\$900,000	Pending	Mar-24	\$0	\$0	\$0	\$90,000
Richardson Park Pump Station Phase II	\$15,000,000	Pending	Feb-24	\$0	\$0	\$4,500,000	\$4,500,000
Southern Sanitary Sewer Area - Expanded Treatment	\$25,745,000	Pending	Jan-24	\$0	\$0	\$0	\$0
West Wing Sanitary Sewer System	\$20,000,000	Pending	Jan-24	\$0	\$0	\$0	\$0
Grants Way Septic Elimination	\$4,594,400	Pendina	Dec-23	\$459,440	\$1.378.320	\$2,297,200	\$459.440
Sandy Ridge Collection System	\$4,157,400	Pending	Dec-23	\$415,740	\$1,247,220	\$2,078,700	\$415,740
City of Newark							
Sanitary Sewer Phase III	\$3,100,000	Pending	Dec-23	\$310,000	\$620,000	\$1,240,000	\$620,000
Green Project Reserve Projects		·					
DNREC, Division of Watershed Stewardship							
Watershed Improvement Projects	\$1,503,000	One-time	One-time	\$0	\$0	\$0	\$0
Robscott Manor Water Quality Improvement Project	\$997.000	Aug-20	May-22	\$99 700	\$199 400	\$697 900	\$0
City of Lewes	<i></i>	, tug 20	indy 22	\$00,100	\$100,100	\$661,666	¢ 0
Jones Farm Land Purchase	\$1,500,000	Pending	Dec-22	\$1,500,000	\$0	\$0	\$0
Transfer of Funds back to DWSRF	As Needed	N/A		As Needed	As Needed	As Needed	As Needed
Administrative Expenses	\$667,665			\$667,665	\$0	\$0	\$0
Totals	\$293,312,768			\$12,309,871	\$32,115,885	\$51,447,944	\$59,808,711
Grant Award - Federal Share	\$5,681,000			\$5,681,000	\$0	\$0	\$0
Grant Award - State Match	\$1,136,200			\$1,136,200	\$0	\$0	\$0
BIL Supplemental Grant Award - Federal Share	\$8,738,000 \$873 800			\$8,738,000	\$0 \$0	\$0 \$0	\$0
BIL Emerging Contaminants Grant Award - Federal Share	\$673,800 \$459,000			\$459,000	ው ይ	ው ይ	φU \$0
BIL Emerging Contaminants Grant Award - State Match	\$0			\$0	\$0	\$0	\$0
CWSRF Corpus - Repayment Funds	\$276,424,768			(\$4,578,129)	\$32,115,885	\$51,447,944	\$59,808,711
Base Federal %	83.33%			83.33%			
Base State Match %	16.67%			16.67%			

Note 1: All values in blue are calculated.

Attachment E: FFY2022 ASAP Payment Schedule (Federal Dollars)			
Calendar Year / Federal QTR	Payment Date	ASAP Payment Schedule	ASAP Cumulative Amount
22/1 22/2 23/3 23/4	1st Quarter 2nd Quarter 3rd Quarter 4th Quarter	\$14,878,000 \$0 \$0 \$0 \$0	\$14,878,000 \$14,878,000 \$14,878,000 \$14,878,000

DELAWARE WATER POLLUTION CONTROL STATE REVOLVING FUNDS DNREC - ENVIRONMENTAL FINANCE

Subject: Standard Operating Procedures for establishing the Project Priority List for the Delaware's Water Pollution Control Revolving Fund (WPCRF)

	5 (,	
Effective Date: October 20,	Revision Date: December	Date Reviewed:
2010	9/2015	

Purpose:

In accordance with the current rules and regulations governing the WPCRF for municipal wastewater treatment works, each state must submit a priority system for the United States Environmental Protection Agency's (EPA) approval. The priority system should describe the methodology used by the state to rank projects that are considered eligible for federal assistance. The Delaware Department of Natural Resources and Environmental Control is the designated state agency for developing and administering the priority system for the WPCRF. The Department must annually prepare and submit a priority list to the EPA of all projects for which federal assistance will be requested from the State's current allotment.

Policy References:

- Powers and Duties of the Secretary of the Department of Natural Resources and Environmental control. - Chapter 80, Title 29, Delaware Code, Sec. 8003
- Water Infrastructure Advisory Council Chapter 80, Title 29, <u>Delaware Code</u>, Sec. 8003(11)(d)(2)
- CWSRF Regulations (40 CFR Part 35.31) <u>https://www.govinfo.gov/content/pkg/CFR-2011-title40-vol1/pdf/CFR-2011-title40-vol1-part35-subpartK.pdf</u>

Records Archive Location:

The Project Priority List is kept at the following locations.

- G: CWSRF PLL-IUP Annual Process/Annual PPLs and IUPs
- o Environmental Finance Website https://dnrec.alpha.delaware.gov/environmental-finance/

Standard Operating Procedures for establishing the Project Priority List:

SECTION 1 - INTRODUCTION

- 1.01 The State of Delaware receives monies for the Water Pollution Control Revolving Fund (WPCRF) under the Clean Water Act which defines the formula for allocating funds to the states. The amount received by the State depends on Congressional appropriations and executive authorization.
- 1.02 In accordance with the current rules and regulations governing the WPCRF for municipal wastewater treatment works, each state must submit a priority system for the United States Environmental Protection Agency's (EPA) approval. The priority system should describe the methodology used by the state to rank projects that are considered eligible for federal assistance. The Delaware Department of Natural Resources and Environmental Control is the designated state agency for developing and administering the priority system for the WPCRF. The Department must annually prepare and submit a priority list to the EPA of all projects for which federal assistance will be requested from the State's current allotment.
- 1.03 A priority system for evaluating projects was established in 1960 to allocate funds. It was amended in 1967, 1971, 1974, 1978, 1983, 1996, 2000, 2005, and 2010 and is hereby further amended to be consistent with the current regulations under the state priority system, as amended, and with state laws.
- 1.04 Pursuant to Chapter 80, Title 29, <u>Delaware Code</u>, Sec. 8003, the Secretary of the Department is empowered to administer the WPCRF in accordance with the requirements set forth in Title VI of the Federal Clean Water Act.
- 1.05 Pursuant to Chapter 80, Title 29, <u>Delaware Code</u>, Sec. 8003(11)(d)(2), the Water Infrastructure Advisory Council will review the Project Priority List and amend, if necessary, and provide for review at a public hearing.

SECTION 2 - DEFINITIONS

- 2.01 <u>AVAILABLE FUNDS</u>: Shall mean the capitalization funds plus repayments on previous loans, plus accrued interest available, or expected to be available, to the State for allotment during a fiscal year, and are used for determining the fundable portion of the project priority list. The available funds are determined by subtracting from the total funds available (or expected to be available) to the State, all mandatory, optional, and any additional reserves deemed appropriate by the State.
- 2.02 <u>COUNCIL</u>: Shall mean the Water Infrastructure Advisory Council which is appointed by the Governor of Delaware and the General Assembly.
- 2.03 <u>DEPARTMENT</u>: Shall mean the Department of Natural Resources and Environmental Control.
- 2.04 <u>EDU</u>: Equivalent Dwelling Unit shall mean a dwelling unit or equivalent unit discharging 240 gallons per day.
- 2.05 <u>EPA</u>: Shall mean the Unites States Environmental Protection Agency.
- 2.06 <u>FUNDABLE PRIORITY LIST</u>: Shall mean that portion of the Project Priority List which might reasonably be funded from available funds.
- 2.07 <u>MANDATORY DOCUMENTS</u>: Shall mean those materials and information that must be included with a loan application as set forth in the Procedures of the Water Pollution Control Revolving Fund.
- 2.08 <u>MHI</u>: Shall mean Median Household Income as established by the U.S. Census Bureau and adjusted annually by the regional consumer price index.
- 2.09 <u>PLANNING PRIORITY LIST</u>: Shall mean that portion of the Project Priority List which might be funded

from future authorized allotments and other available funds. It includes those projects which could be moved up onto the Fundable Priority List as detailed in Section 5 of these procedures. Projects on the Planning Priority List shall be subjected to public participation together with and at the same time as those on the Fundable Priority List.

- 2.10 <u>PROJECT</u>: Shall mean a project for the planning, design, or construction of treatment works.
- 2.11 <u>PROJECT COST</u>: Shall mean the total cost of the construction of the project including consulting, legal, and engineering fees.
- 2.12 <u>PROJECT PRIORITY LIST</u>: Shall mean the ordered listing of projects for which the Department expects Federal and State financial assistance.
- 2.13 <u>QUALIFIED AGENCY</u>: Shall mean any legally incorporated town or city, county government, state agency, sanitary district, authority authorized by law, or private business organized to provide treatment works.
- 2.14 <u>TREATMENT WORKS</u>: Shall mean any devices and systems for the storage, treatment, recycling, and reclamation of municipal sewage or industrial wastes. These include interceptor sewers, outfall sewers, sewage collection systems, pumping, power, and other equipment and their appurtenances; extensions, improvements, remodeling, additions, and alterations thereof; and any works, including acquisition of the land that will be an integral part of the treatment process or is used for ultimate disposal of residues resulting from such treatment (including land for composting sludge, temporary storage of such compost and land used for the storage of treated wastewater in land application systems before land application) or any other method or system for preventing, abating, reducing, storing, treating, separating, or disposing of municipal or industrial waste, including waste in combined storm water and sanitary sewer systems.
- 2.15 <u>WATER QUALITY STANDARDS</u>: Shall mean the standards duly adopted by the State of Delaware and submitted to the Environmental Protection Agency.
- 2.16 <u>WATERSHED MANAGEMENT PLAN</u>: Shall mean any written description of voluntary or mandatory actions that will result in the reduction of pollutant loads to a surface water body. Plans shall be prepared by a qualified agency and include, but not be limited to, Watershed Implementation Plans, Comprehensive Conservation and Management Plans, and Basin Plans.

SECTION 3 - PRIORITY SYSTEM

3.01 All projects, or in the case of non-point source activities programs, considered eligible for State and Federal funding assistance will be evaluated in accordance with the criteria listed below and described in Section 4 - Criteria for Evaluation and Rating. Priorities will strictly follow the scores received. The "best" score a project may receive is 120 points; such a project would have the highest possible priority. The numerical score is derived using the following classifications:

	Maximum Pts	Bonus Pts	
I. Water Quality Protection	0-45 points	0-10 points	
II. Targeted Water Bodies	0-20 points		
III. Clean Water Priorities	0-20 points		
IV. Strategies for State Policies and Spending	0-10 points		
V. Green Project Reserve	0-10 points		
VI. Sustainability	0-30 points		
VII. Land Conservation Sponsorship	0 points	10 points	
VIII. Borrower Type	<u>0-10 points</u>		
Total Priority Score	145 points	30 points	

SECTION 4 - CRITERIA FOR EVALUATION AND RATING

4.01 WATER QUALITY PROTECTION (0-45 points plus 10 bonus points)

For Nutrients, the effectiveness of a given project will be rated based upon the total pounds of nitrogen plus the total pounds of phosphorus that will be removed from discharges as a result of the project. Based on studies conducted by the Department, the total nitrogen plus total phosphorus removal for septic eliminations will be calculated at 0.13 pounds per day per EDU. Other projects, such as wastewater treatment facilities, combined sewer overflows, etc. will be calculated based on engineer's estimates. Points will be determined for effectiveness by multiplying the estimated total pounds of nitrogen plus phosphorus per day to be removed from the discharge by 0.30 (Maximum Points = 45). The qualified agency may submit additional information to support the estimated total pounds of nitrogen plus phosphorus to be removed from the discharge.

For toxic pollutants, the effectiveness of a given project will be rated based on its ability to eliminate or reduce the severity of Delaware fish consumption advisories; eliminate or reduce the severity of toxic impacts to benthic aquatic life; or otherwise attain numeric toxics criteria for the protection of human health and aquatic life in Delaware Water Quality Standards. Points will be determined for effectiveness by multiplying the percent reduction in impact by 0.5 (Maximum Points = 45). The qualified agency may submit additional information to support the estimated percent reduction in toxic impact associated with the project.

Non-point source projects will receive points based on the published efficiencies of the best management practices (BMP's). The points will be determined on the percent efficiency of the project multiplied by 45 points. (i.e. a BMP with a 20% efficiency will receive 9 points).

Treatment plant projects that provide a higher level of treatment than required in the applicable permit will receive an additional BONUS point for each 10% of the allowable pollutant load eliminated by the project.

4.02 TARGETED WATER BODIES (0-20 points)

Pursuant to Section 303(d) of the Clean Water Act, every April 1st of every even-numbered year, Delaware develops a list of waters that do not meet surface water quality standards and need Total Maximum Daily Loads (TMDLs). TMDLs establish the maximum point and non-point source loadings of certain pollutants that must not be exceeded if surface water quality goals are to be met. Priorities (High, Medium, Low) are also established in order to set milestones for the development of TMDLs. Additionally, the "303(d) List" identifies those water bodies targeted for TMDL activities (e.g., monitoring, modeling, developing options, etc.) during the coming 2 years. Scores are assigned as follows:

TMDL Status	Score
Project addresses an existing TMDL allocation, or	20
Project addresses a watershed management plan, or	10
None of the above	0

4.03 <u>CLEAN WATER FACILITY PRIORITIES (0-20 points)</u>

Criteria for ranking specific types of projects that contribute to achieving statewide environmental priorities are presented in this Section.

A. SEPTIC SYSTEM ELIMINATION PROJECTS

Septic system elimination projects will receive fifteen (15) points.

B. WASTEWATER TREATMENT FACILITIES and COMBINED SEWER OVERFLOWS (CSO's)

Projects that provide new, upgraded, or expanded wastewater treatment and disposal facilities or eliminate or reduce the impact of wastewater discharges, including CSO's, but excluding septic elimination projects, will receive twenty (20) points.

C. OTHER WASTEWATER FACILITY PROJECTS

Projects that provide upgraded or expanded wastewater collection systems, including inflow and infiltration (I&I) elimination, that provide new, upgraded or expanded wastewater transmission systems, including pump or lift stations, but excluding septic elimination projects, will receive ten (10) points. Projects that correct I&I problems will receive fifteen (15) points.

D. SURFACE WATER MANAGEMENT PROJECTS

Projects that correct surface water management problems will receive fifteen (15) points. Projects that address surface water management problems under a MS4 permit will receive twenty (20) points.

E. WATERSHED APPROACH TO TOXICS ASSESSMENT AND RESTORATION (WATAR)

Projects that implement elimination or reduction of toxic impacts in Delaware surface waters will receive fifteen (15) points. Projects that eliminate or reduce toxics and implement wetland restoration will receive twenty (20) points.

F. OTHER WATER QUALITY PROJECTS

Other eligible projects that address a non-point source problem, wetland restoration, or other watershed related problem will receive ten (10) points.

4.04 STRATEGIES FOR STATE POLICIES AND SPENDING (0-10 points)

The Governor's Cabinet Committee on State Planning Issues has approved "Delaware Strategies for State Policies and Spending".

- A. In part it reads as follows: "It is the State's philosophy that:
 - 1. State spending should promote quality and efficiency not sprawl.
 - 2. State policies should foster order and resource protection not degradation."
- B. Investment Level Descriptions:
 - 1. Level 1 The State will direct maximum assistance to upgrades, reconstruction, treatment improvements, and system expansions and will place priority on existing systems for improved efficiency, enhanced water quality management, and additional capacity for redevelopment, infill, and for new community development that supports efficient and orderly land use patterns.
 - 2. Level 2 The State will direct assistance to extending existing or creating new systems where logical, or where they would prevent future environmental or health risks.
 - 3. Level 3 State financial assistance to local government's wastewater facilities will be prioritized in Level 1 and 2 areas before being considered in Investment Level 3. Investments needed to correct public health and existing environmental problems will be considered on a case-by-case basis.

- 4. Level 4 Additional state investments in water and wastewater systems will be limited to existing or imminent public health, safety or environmental risks only, with little provision for additional capacity to accommodate further development.
- 5. Out of Play Lands that are not at all available for development or for redevelopment. These include publicly-owned lands, lands for which serious legal constraints on development are identified, and lands in some form of permanent open-space protection.

Investment Level Scores - Projects in investment areas will be rated as follows:

Investment Level (212 projects only)		Points
Level 1	10	
Level 2	10	
Level 3	5	
Level 4	0	
Out of Play		0

Non-Point Source projects are highly likely to be in non-investment areas and do not contribute to sprawl.

Non-Point Source Projects (319)	10
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4.05 GREEN PROJECT RESERVE (0-10 points)

Congress' intent in enacting the Green Project Reserve (GPR) is to direct State investment practices in the water sector to guide funding toward projects that utilize green or soft-path practices to complement and augment hard or gray infrastructure, adopt practices that reduce the environmental footprint of water and wastewater treatment, collection, and distribution, help utilities adapt to climate change, enhance water and energy conservation, adopt more sustainable solutions to wet weather flows, and promote innovative approaches to water management problems. Over time, GPR projects could enable utilities to take savings derived from reducing water losses and energy consumption, and use them for public health and environmental enhancement projects. Additionally, EPA expects that green projects will help the water sector improve the quality of water services without putting additional strain on the energy grid, and by reducing the volume of water lost every year.

Projects that address green infrastructure, water or energy efficiency improvements, or other environmentally innovative activities will receive additional points in the ranking.

Eligibility will be determined by using the EPA document: 2010 Clean Water and Drinking Water State Revolving Fund 20% Green Project Reserve: Guidance for Determining Eligibility – April 21, 2010

Projects that meet the requirements of one of the four categories below will receive ten (10) points.

A. GREEN INFRASTRUCTURE

Green stormwater infrastructure includes a wide array of practices at multiple scales that manage wet weather and that maintain and restore natural hydrology by infiltrating, evapotranspiring and harvesting and using stormwater. On a regional scale, green infrastructure is the preservation and restoration of natural landscape features, such as forests, floodplains and wetlands, coupled with policies such as infill and redevelopment that reduce overall imperviousness in a watershed. On the local scale green infrastructure consists of site- and neighborhood-specific practices, such as bioretention, trees, green roofs, permeable pavements and cisterns.

B. WATER EFFICIENCY

EPA's WaterSense program defines water efficiency as the use of improved technologies and

practices to deliver equal or better services with less water. Water efficiency encompasses conservation and reuse efforts, as well as water loss reduction and prevention, to protect water resources for the future.

C. ENERGY EFFICIENCY

Energy efficiency is the use of improved technologies and practices to reduce the energy consumption of water quality projects, use energy in a more efficient way, and/or produce/utilize renewable energy.

D. ENVIRONMENTALLY INNOVATIVE

Environmentally innovative projects include those that demonstrate new and/or innovative approaches to delivering services or managing water resources in a more sustainable way.

4.06 SUSTAINABILITY (0-30 points)

A. ASSET MANAGEMENT

The project will receive ten (10) points if the system has mapped its wastewater collection and treatment components and analyzed conditions, including risks of failure, expected dates of renewals and ultimate replacements, and sources and amounts of revenues needed to finance operations, maintenance and capital needs.

B. FULL COST PRICING

The project will receive ten (10) points if project/system has developed appropriate pricing/rate/affordability standards to build, operate, and maintain systems AND project/system has specifically allocated funds for the rehabilitation and replacement of aging and deteriorating infrastructure.

C. CLIMATE CHANGE / RESILIENCY

Projects that incorporate climate change considerations and/or that increase climate resiliency will receive ten (10) points. The State of Delaware has published scenarios for sea level rise and projections for precipitation and temperature that can be utilized for this purpose.

4.07 WATER QUALITY or LAND CONSERVATION SPONSORSHIP (10 bonus points)

The project will receive ten (10) points if the applicant is willing and eligible to sponsor a Forestland, Open Space, or Wetlands Conservation Easement or an Ecology or Watershed Restoration Project. Project must be defined to receive credit for this section.

4.08 TYPE OF APPLICANT (0-10 points)

Applicants will receive points based on type of borrower:	
Municipality (i.e. City, Town, or County)	10 points
State Agency	10 points
Non-Profit	5 points
None of the Above	0 points

4.09 PROJECT PRIORITY LIST

Projects are ranked based upon the total scores. The total scores will determine the Project Priority List. In the case of a tie in the priority ranking, projects will be selected in the order of the population served. The project benefiting the larger population will be rated higher.

SECTION 5 - OPERATING PROCEDURES

- 5.01 Potential applicants for a WPCRF loan are to notify the Department of their intent to seek financial assistance for a project to be undertaken in the subsequent fiscal year (beginning July 1). Potential applicants may submit a Notice-of-Intent by as directed by the Department.
- 5.02 Potential loan applicants will be notified by the Department at least thirty (30) days in advance an impending deadline for receipt of Notifications-of-Intent.
- 5.03 The Notification-of-Intent shall contain the following information:
 - a. Name of municipality or qualified agency and responsible party.
 - b. Estimated total construction costs of the project for which a loan will be sought. Also, the estimated cost of the planning studies and the design costs (preparation of plans and specifications). List the various costs separately.
 - c. Brief description of the proposed project including anticipated scope, water pollution control needs, and population affected. The description must be sufficient to evaluate the project based on the project priority list ranking criteria.
 - d. Estimated dates of initiation and completion of the preliminary plans and studies (if completed, so state).
 - e. Estimated dates of initiation and completion of construction drawings and specifications (if completed, so state).
 - f. Estimated dates of initiation and completion of construction.
 - g. Estimated date(s) of initiation of operations.
 - h. The NPDES or other permit number if one exists.
- 5.04 Successful applicants will be notified of their placement on the State's "Project Priority List" for the subsequent fiscal year.
- 5.05 Once notified of their placement on the fundable portion of the Priority List, qualified agencies will have sixty (60) days to submit a complete application and retain their rank on the Priority List.
- 5.06 All loan applications must be complete and accompanied by the required "mandatory documents" stipulated in the procedures of the Delaware Water Pollution Control Revolving Fund, and any additional checklists and/or background materials requested by the Department and of which the applicant shall be informed.
- 5.07 Applicants for projects on the "Planning Priority List" will be notified and their projects advanced to the Fundable Priority List in order of their priority score or readiness to proceed when, for any reason, a project must be removed from the current years Fundable Priority List, or when additional funds become available.
- 5.08 Applicants may be given at least fifteen (15) days by the Department to supply missing or corrected mandatory application documents and at least twenty (20) days to comply with requests for corrections, changes, or additions to the plans and specifications. Failure to respond within the period stipulated in the letter of transmittal may result in the project being dropped to the bottom of the review list for processing.
- 5.09 Applications will be processed and the plans/specifications reviewed by the Department in chronological

order of receipt of same from the applicant. In the case of concurrent submittal, priority score will determine the review position.

- 5.10 Projects on the "Planning Priority List" will not automatically be placed on a subsequent years Project Priority List. Applicants must resubmit the Notification-of-Intent in order to have the project reviewed and scored again for placement on the subsequent years Project Priority List.
- 5.11 The Council shall annually hold a public hearing on the proposed project priority lists in accordance with Sec. 8003(11)(d)(2) of 20 <u>Delaware Code</u> and comment upon, approve, or rearrange the priority lists.