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<th>Funding</th>
<th>Cost By Needs Category</th>
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<tr>
<td>1</td>
<td>100</td>
<td>CONSTRUCT CECO TO CHERRY HILL WWTP CONNECTION</td>
<td>PHIL MUZIK</td>
<td>34A</td>
<td>02-13-06-05 W/S: Y PFA: 5 Compliance PUBLIC LARGE Design 07/01/2017 Construction 02/01/2018 NPDES # MD0052825</td>
<td>2,850,000</td>
<td>Loan $ 2,850,000</td>
<td>NA = 2,850,000</td>
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<td>2</td>
<td>83</td>
<td>WESTMINSTER WWTP ENR UPGRADE</td>
<td>TAMMY PALMER</td>
<td>5</td>
<td>02-14-03-04 W/S: Y PFA: Y Compliance PUBLIC LARGE Design 04/01/2011 Construction 11/30/2019 NPDES # MD0021831</td>
<td>58,920,000</td>
<td>Loan $ 29,380,000</td>
<td>II = 58,920,000</td>
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<td>3</td>
<td>78</td>
<td>PINEY ORCHARD WWTP ENR UPGRADE</td>
<td>ERIC DEVITO</td>
<td>21</td>
<td>02-13-11-05 W/S: Y PFA: 1 Compliance PRIVATE Design 07/01/2017 Construction 06/30/2019 NPDES # MD0059145</td>
<td>4,915,200</td>
<td>Loan $ 4,915,200</td>
<td>II = 4,915,200</td>
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<td>4</td>
<td>75</td>
<td>SOLOMONS WWTP ENR UPGRADE</td>
<td>RACHEL GRIFFITH</td>
<td>29C</td>
<td>02-13-11-01 W/S: Y PFA: 5 Compliance PUBLIC SMALL Design 10/01/2017 Construction 06/30/2020 NPDES # MD2178E89</td>
<td>9,390,000</td>
<td>Loan $ 8,500,000</td>
<td>II = 9,390,000</td>
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<tr>
<td>5</td>
<td>73</td>
<td>GREENSBORO-GOLDSBORO REGIONAL WASTEWATER PROJECT, PH 5</td>
<td>DAVID KIBLER</td>
<td>36</td>
<td>02-13-04-04 W/S: Y PFA: 5 Compliance PUBLIC SMALL Design 04/01/2017 Construction 12/31/2018 NPDES # MD0071269</td>
<td>3,309,300</td>
<td>Loan $ 3,192,600</td>
<td>IV = 3,309,300</td>
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**NEEDS CATEGORY DEFINITIONS:**

I. Secondary Treatment
- IVA. New Collector Sewer
- IVB. New Interceptor Sewer
- IVB. SW Treatment Systems
- VJA. SW Conveyance Infrastructure
- VIJ. NPS: Sanitary Landfills
- VIB. SW Treatment Systems

II. Advanced Treatment
- VJA. SW Conveyance Infrastructure
- VJA. NPS: Stormwater Conveyance
- VIK. NPS: Hydromodification
- VIJ. NPS: Sanitary Landfills
- VIB. SW Treatment Systems

IIIA. I/I Correction
- VA. CSO Correction - Traditional
- VIC. Green Infrastructure
- VIB. SW Treatment Systems
- X. Recycled Water Distribution

IIIB. Major Sewer Rehab
- VB. CSO Correction - Green
- VID. General SW Management
- O. Other

**PFA (Priority Funding Area) Codes:**
- PFA: 1 = Categorical Exclusion
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<th>Project Details</th>
<th>Total Cost</th>
<th>Funding</th>
<th>Cost By Needs Category</th>
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</thead>
<tbody>
<tr>
<td>6</td>
<td>ASHLEIGH KNOLLS SHARED SEWAGE DISPOSAL FACILITY</td>
<td>PROBLEM: SHARED SEWAGE DISPOSAL FACILITY OF INDIVIDUAL SEPTIC TANKS/SHARED LEACHFIELD CAN NOT MEET GW DISCHARGE PERMIT LIMITS</td>
<td>AMY HART HOWARD COUNTY</td>
<td>13 02-13-11-05</td>
<td>W/S: Y PFA: 1 Compliance PUBLIC Design 10/01/2008 Construction 09/01/2017 04/30/2019</td>
<td>1,566,000</td>
<td>1,566,000</td>
<td>O = 1,566,000</td>
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<tr>
<td>7</td>
<td>PORT DEPOSIT WWTP REPLACEMENT</td>
<td>PROBLEM: EXISTING 0.15 MGD SECONDARY TREATMENT WWTP HAS OUTLIVED USEFUL LIFE/LOCATED IN FLOODPLAIN; NPDES PERMIT</td>
<td>PHILIP MUZIK CECIL COUNTY</td>
<td>34B 02-12-02-01 W/S: Y PFA: Y Compliance PUBLIC Design 06/01/2016 Construction 07/01/2017 13/31/2017</td>
<td>10,700,000</td>
<td>10,700,000</td>
<td>II = 10,700,000</td>
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<td>8</td>
<td>DEEP CREEK LAKE WWTP ENR UPGRADE</td>
<td>PROBLEM: EXCESSIVE NUTRIENTS TO RECEIVING STREAM; NPDES PERMIT LIMITS</td>
<td>PATRICK HUDNALL GARRETT COUNTY SANITARY DISTRICT</td>
<td>1A 05-02-02-03 W/S: Y PFA: 1 Compliance PUBLIC Design 07/01/2017 Construction 05/31/2019 06/30/2018</td>
<td>20,008,520</td>
<td>20,008,520</td>
<td>II = 20,008,520</td>
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<td>9</td>
<td>ACCIDENT PHASE II WWTP UPGRADE</td>
<td>PROBLEM: HIGH FLOWS OVERWHELM WWTP; VIOLATIONS OF NPDES PERMIT LIMITS FOR BOD, TSS, AND FECAL COLIFORM; CONSENT ORDER CO-03-00064</td>
<td>MAYOR RICHARD CARLSON TOWN OF ACCIDENT</td>
<td>1A 05-02-02-01 W/S: Y PFA: 5 Compliance PUBLIC Design 09/01/2017 Construction 06/01/2018 06/30/2019</td>
<td>4,505,000</td>
<td>2,739,000</td>
<td>II = 4,505,000</td>
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<td>10</td>
<td>HARBOUR VIEW WWTP REPLACEMENT</td>
<td>PROBLEM: EXISTING 0.065 MGD SECONDARY TREATMENT WWTP IN 100-YR FLOODPLAIN HAS OUTFLOWED USEFUL LIFE; NPDES PERMIT</td>
<td>PHILIP MUZIK CECIL COUNTY</td>
<td>36 02-13-06-01 W/S: Y PFA: 2 Compliance PUBLIC Design 01/01/2016 Construction 07/01/2017 06/30/2018</td>
<td>4,200,000</td>
<td>4,200,000</td>
<td>II = 4,200,000</td>
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**NEEDS CATEGORY DEFINITIONS:**

I. Secondary Treatment
   - IVA. New Collector Sewer
   - IVB. New Interceptor Sewer
   - IVC. SW Conveyance Infrastructure

II. Advanced Treatment
   - IVA. SW Conveyance Infrastructure
   - IVB. SW Treatment Systems
   - IVC. Green Infrastructure

IIIA. ILI Correction
   - VA. CSO Correction - Traditional
   - VB. CSO Correction - Green

IIIB. Major Sewer Rehab
   - VD. General SW Management

IV. Recycled Water Distribution
   - X. Recycled Water Distribution

V. Green Infrastructure
   - VIC. Green Infrastructure
   - VID. General SW Management
   - VIE. Recycled Water Distribution

VI. Sanitary Landfills
   - VIJ. NPS: Sanitary Landfills

VII. Hydromodification
   - VIIK. NPS: Hydromodification

VIII. Other
   - O. Other

**PFA (Priority Funding Area) Codes:**

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- PFA: 4 = Exception Under Review
- PFA: 5 = Exception Granted
- PFA: 6 = Exception Categorical Grant

**Construction:**

- Loan $ = Loan Interest
- Green $ = Green Cost
- Loan $ = Loan Interest
<table>
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<th>Rank/ Points</th>
<th>Project Title/ Number/ Population</th>
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<th>Total Cost</th>
<th>MDE Requested Funding</th>
<th>Cost By Needs Category</th>
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<tbody>
<tr>
<td><strong>11</strong></td>
<td>CHERSEAPEKE CITY WASTEWATER TREATMENT PLANT</td>
<td>PROBLEM: EXISTING 0.075 MGD NORTH AND 0.088 MGD SOUTH WWTPS DETERIORATING; EXCESS NUTRIENTS TO BAY; NPDES PERMIT</td>
<td>SANDRA EDWARDS</td>
<td>36</td>
<td>02-13-06-04</td>
<td>W/S: Y PFA: 5 PUBLIC SMALL</td>
<td>Design 03/01/2017</td>
<td>9,842,164</td>
<td>4,000,000</td>
<td>II = 9,842,164</td>
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<td><strong>12</strong></td>
<td>LEWISTOWN WASTEWATER COLLECTION SYSTEM</td>
<td>PROBLEM: PROPERTIES ON FAILING SEPTICS AND SOME ON HOLDING TANKS; WELLS TESTING POSTIVE FOR COLIFORM BACTERIA</td>
<td>KEVIN DEMOSKY</td>
<td>4</td>
<td>02-14-03-03</td>
<td>W/S: Y PFA: 5 PUBLIC SMALL</td>
<td>Design 03/01/2017</td>
<td>985,000</td>
<td>985,000</td>
<td>NA = 985,000</td>
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<tr>
<td><strong>13</strong></td>
<td>LEWISTOWN WWTP ENR UPGRADE</td>
<td>PROBLEM: WWTP SERVING SCHOOL AND FD AT END OF USEFUL LIFE; PROPERTIES IN SERVICE AREA ON FAILING SEPTICS</td>
<td>KEVIN DEMOSKY</td>
<td>4</td>
<td>02-14-03-03</td>
<td>W/S: Y PFA: 5 Compliance PUBLIC SMALL</td>
<td>Design 03/01/2017</td>
<td>960,000</td>
<td>960,000</td>
<td>II = 960,000</td>
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<tr>
<td><strong>14</strong></td>
<td>EDGEWATER BEACH SEPTIC TO SEWER CONVERSION PROJECT</td>
<td>PROBLEM: PROBLEMATIC ONSITE SEPTIC SYSTEMS, HIGH WATER TABLE, IMPERMEABLE SOILS, WELL SETBACKS</td>
<td>LESLIE CAMPBELL</td>
<td>30B</td>
<td>02-13-10-03</td>
<td>W/S: Y PFA: 5</td>
<td>Design 09/01/2014</td>
<td>8,843,802</td>
<td>8,494,820</td>
<td>NA = 8,843,802</td>
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<td><strong>15</strong></td>
<td>HOLLOWAY BEACH SEWER COLLECTION SYSTEM</td>
<td>PROBLEM: ONSITE SEPTIC SYSTEMS OPERATING IN THE WATER TABLE AND FAILING TO PROVIDE ADEQUATE TREATMENT</td>
<td>PHILIP MUZIK</td>
<td>34B</td>
<td>02-13-06-08</td>
<td>W/S: Y PFA: Y</td>
<td>Design 02/01/2016</td>
<td>2,630,000</td>
<td>2,600,000</td>
<td>IVA = 2,630,000</td>
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</table>

**NEEDS CATEGORY DEFINITIONS:**

I. Secondary Treatment  
IV. SW Convaneys Infrastructure  
VII. NPS: Sanitary Landfills  

II. Advanced Treatment  
IVB. New Interceptor Sewer  
VIIK. NPS: Hydromodification  

IIIA. III Correction  
VCA. CSO Correction - Traditional  
X. Recycled Water Distribution  

IIIB. Major Sewer Rehab  
VC. CSO Correction - Green  
VID. General SW Management  

O. Other  

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<tbody>
<tr>
<td>16 50</td>
<td>SC-963 SOUTH WEST BALTIMORE SWR IMP/MAIDENS CHOICE ASSESSMNT/UPLANDS SWR REPL</td>
<td>PROBLEM: SANITARY SEWER OVERFLOWS; UNDER CONSENT ORDER (CIVIL ACTION NO. JFM-02-1524)</td>
<td>TROY BROGDEN</td>
<td>REG</td>
<td>N/PDES # MD0021555</td>
<td>W/S: Y PFA: Y Compliance</td>
<td>Design 02/13-09-05 Construction 02/01/2016 Compliance PUBLIC LARGE DISADV.</td>
<td>20,765,000</td>
<td>20,390,000</td>
<td>Loan $ 20,765,000</td>
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<tr>
<td>17 48</td>
<td>BEDFORD ROAD SANITARY SEWER REHAB PH VI</td>
<td>PROBLEM: INFLOW &amp; INFILTRATION CONTRIBUTING TO SSO EVENTS; CONSENT ORDER C0-07-0395</td>
<td>JAMES L. WEBBER, PE</td>
<td>1B</td>
<td>N/PDES # MD0021598</td>
<td>W/S: Y PFA: Y Compliance</td>
<td>Design 02/14-10-02 Construction 02/01/2017 Compliance PUBLIC SMALL DISADV.</td>
<td>1,000,000</td>
<td>1,000,000</td>
<td>Loan $ 1,000,000</td>
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<tr>
<td>18 48</td>
<td>LAVALE BASIN 6 SEWER IMPROVEMENTS</td>
<td>PROBLEM: EXCESSIVE I&amp;I CONTRIBUTING TO CSO EVENTS; UNDER MDE CONSENT DECREE 01-C-00-18342L</td>
<td>DAVID S. WENDT</td>
<td>01B</td>
<td>N/PDES # MD0021598</td>
<td>W/S: Y PFA: Y Compliance</td>
<td>Design 02/14-05-08 Construction 03/01/2017 Compliance PUBLIC SMALL DISADV.</td>
<td>4,000,000</td>
<td>3,600,000</td>
<td>Loan $ 4,000,000</td>
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<tr>
<td>19 48</td>
<td>FROSTBURG CSO ELIMINATION PROJECT, PHASE IX-A CHARLES STREET CORRIDOR</td>
<td>PROBLEM: COMBINED SEWER OVERFLOWS; CONSENT ORDER #01-C-00-1834-L</td>
<td>CHRIS HOVATTER</td>
<td>1B</td>
<td>N/PDES # MD0021598</td>
<td>W/S: Y PFA: Y Compliance</td>
<td>Design 02/14-10-05 Construction 02/01/2016 Compliance PUBLIC SMALL DISADV.</td>
<td>2,033,199</td>
<td>1,779,049</td>
<td>Loan $ 2,033,199</td>
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<td>20 48</td>
<td>78&quot; PARALLEL PIPELINE FROM MILL RACE TO CSO STORAGE (PROJECT NO. 19-16-S)</td>
<td>PROBLEM: COMBINED SEWER OVERFLOW; CONSENT ORDER #01-C-00-18342L</td>
<td>JOHN DIFONZO</td>
<td>1</td>
<td>N/PDES # MD0021598</td>
<td>W/S: Y PFA: Y Compliance</td>
<td>Design 12-14-01-01 Construction 09/01/2017 Compliance PUBLIC LARGE DISADV.</td>
<td>40,464,065</td>
<td>40,300,000</td>
<td>Loan $ 40,464,065</td>
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**NEEDS CATEGORY DEFINITIONS:**

I. Secondary Treatment  
IVA. New Collector Sewer  
VIA. SW Conveyance Infrastructure  
VIU. NPS: Sanitary Landfills  
IIA. I/I Correction  
IVB. New Interceptor Sewer  
VIB. SW Treatment Systems  
VIK. NPS: Hydromodification  
IIIB. Major Sewer Rehab  
VIB. CSO Correction - Traditional  
VIC. Green Infrastructure  
X. Recycled Water Distribution  
VIB. CSO Correction - Green  
VID. General SW Management  
O. Other  

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<tr>
<td>21 48</td>
<td>SAN SEWER RECONSTRUCTION - BROAD CREEK BASIN PGC SECTION 2</td>
<td>PROBLEM: SANITARY SEWER OVERFLOWS; CONSENT DECREE PJM-3679</td>
<td>MARCIA TUCKER</td>
<td>REG 4</td>
<td>02-14-02-01 PFA: 2 NPDES # MD0021539</td>
<td>Design</td>
<td>01/01/2017 Construction</td>
<td>11/01/2017 11/30/2019</td>
<td>5,200,000</td>
<td>5,200,000 5,200,000Loan $</td>
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<tr>
<td>22 48</td>
<td>A SC-956 HERRING RUN SEWERSHED SEWER IMPROVEMENTS</td>
<td>PROBLEM: SANITARY SEWER OVERFLOWS; UNDER CONSENT ORDER (CIVIL ACTION NO. JFM-02-1524)</td>
<td>TROY BROGDEN</td>
<td>REG 4</td>
<td>02-13-09-01 PFA: Y NPDES # MD0021555</td>
<td>Design</td>
<td>04/16/2015 Construction</td>
<td>02/01/2018 02/29/2020</td>
<td>14,505,690</td>
<td>7,336,572 7,336,572Loan $</td>
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<tr>
<td>23 48</td>
<td>B SC-956 HERRING RUN SEWERSHED SEWER IMPROVEMENTS</td>
<td>PROBLEM: SANITARY SEWER OVERFLOWS; UNDER CONSENT ORDER (CIVIL ACTION NO. JFM-02-1524)</td>
<td>ROBERT BURROS</td>
<td>REG 4</td>
<td>02-13-09-01 PFA: Y NPDES # MD0021555</td>
<td>Design</td>
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<td>02/01/2018 02/29/2020</td>
<td>4,758,857</td>
<td>4,758,857Loan $</td>
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<tr>
<td>24 48</td>
<td>C SC-965 NORTH EAST BALTIMORE SEWER IMPROVEMENTS</td>
<td>PROBLEM: SANITARY SEWER OVERFLOWS; UNDER CONSENT ORDER (CIVIL ACTION NO. JFM-02-1524)</td>
<td>TROY BROGDEN</td>
<td>REG 4</td>
<td>02-13-09-01 PFA: Y NPDES # MD0021555</td>
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<td>09/01/2017 06/30/2018</td>
<td>20,993,000</td>
<td>20,618,000 20,618,000Loan $</td>
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**NEEDS CATEGORY DEFINITIONS:**

- I. Secondary Treatment: IVA. New Collector Sewer, IVB. New Interceptor Sewer, IVF. SW Conveyance Infrastructure
- II. Advanced Treatment: IVB. SW Treatment Systems, IVF. Green Infrastructure, IVK. NPS: Hydromodification
- III. I/I Correction: VA. CSO Correction - Traditional, VIC. Green Infrastructure, VIJ. NPS: Sanitary Landfills
- IIII. Major Sewer Rehab: VB. CSO Correction - Green, VD. General SW Management, VII. NPS: Sanitary Landfills
- VIIII. Other: X. Recycled Water Distribution

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- Ben.Pop= 192,690
- Ben.Pop= 936,000
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<th>MDE Milestone</th>
<th>Requested Green Cost</th>
<th>PFA (Priority Funding Area) Codes</th>
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<tbody>
<tr>
<td>26 48</td>
<td>E SC-910 HERRING RUN SEWERSHED SEWER IMPROVEMENTS-PART 2 CHINQUAPIN RUN</td>
<td>ROBERT BURROS</td>
<td>BALTIMORE COUNTY</td>
<td>REG 43</td>
<td>CW0088</td>
<td>PROJECT: CONSTRUCT UPSIZING/REPLACEMENT OF 13,500 LF PIPE, ~4,900 LF OF CIPP LINING, REHAB 12,800 LF OF STREAM, CHINQUAPIN RUN</td>
<td>Ben.Pop= 936,000</td>
<td>ORDERS &amp; CONSOLIDATION SEWER SYSTEM AREA B</td>
<td>6,635,507</td>
<td>6,635,507</td>
<td>Loan S</td>
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<tr>
<td>27 48</td>
<td>F SC-921 GWYNNS FALLS SEWERSHED COLLECTION SYSTEM AREA B</td>
<td>TROY BROGDEN</td>
<td>BALTIMORE CITY</td>
<td>REG 41</td>
<td>CW0038</td>
<td>PROJECT: CONSTR REHAB/REPL ~57,000 LF OF CIPP LINING; 13,000 LF REPLACE; 450 HOUSE CONN; REHAB 360 MANHOLES &amp; HEAVY CLEANING</td>
<td>Ben.Pop= 936,000</td>
<td>ORDERS &amp; CONSOLIDATION SEWER SYSTEM AREA B</td>
<td>45,200,000</td>
<td>23,645,440</td>
<td>Loan S</td>
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<tr>
<td>28 48</td>
<td>G SC-940 HIGH LEVEL SEWERSHED SEWER IMPROVEMENTS</td>
<td>TROY BROGDEN</td>
<td>BALTIMORE CITY</td>
<td>REG 41</td>
<td>CW0039</td>
<td>PROJECT: CONSTRUCT UPSIZING/REPLACEMENT OF ~11,659 LF OF PIPE; 8,723 LF RELIEF SEWER &amp; 692 VF OF 24-36&quot; MANHOLES TO INC HYDRAULIC CAP</td>
<td>Ben.Pop= 936,000</td>
<td>ORDERS &amp; CONSOLIDATION SEWER SYSTEM AREA B</td>
<td>55,055,000</td>
<td>50,600,000</td>
<td>Loan S</td>
</tr>
<tr>
<td>29 48</td>
<td>H SC-918H CMAR/BACK RIVER HEADWORKS IMPROVEMENT</td>
<td>TROY BROGDEN</td>
<td>BALTIMORE CITY</td>
<td>REG 41</td>
<td>CW0037</td>
<td>PROJECT: CONSTRUCT 3 WET WEATHER TANKS EQUALIZATION PUMP STATION, COARSE &amp; FINE SCREEN FACILITY</td>
<td>Ben.Pop= 936,000</td>
<td>ORDERS &amp; CONSOLIDATION SEWER SYSTEM AREA B</td>
<td>409,284,656</td>
<td>189,000,000</td>
<td>Loan S</td>
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<td>30 48</td>
<td>I SC-918H CMAR/BACK RIVER HEADWORKS IMPROVEMENT</td>
<td>ROBERT BURROS</td>
<td>BALTIMORE COUNTY</td>
<td>REG 41</td>
<td>CW0087</td>
<td>PROJECT: CONSTRUCT 3 WET WEATHER TANKS EQUALIZATION PUMP STATION, COARSE &amp; FINE SCREEN FACILITY</td>
<td>Ben.Pop= 936,000</td>
<td>ORDERS &amp; CONSOLIDATION SEWER SYSTEM AREA B</td>
<td>204,642,328</td>
<td>204,642,328</td>
<td>Loan S</td>
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**Needs Category Definitions:**

- I. Secondary Treatment: IVA. New Collector Sewer, VIA. SW Conveyance Infrastructure
- II. Advanced Treatment: IVB. New Interceptor Sewer, VIB. SW Treatment Systems
- IIIA. I/I Correction: VCA. CSO Correction - Traditional, VIC. Green Infrastructure
- IIIIB. Major Sewer Rehab: VBA. CSO Correction - Green, VID. General SW Management
- IV. Other: VJJ. NPS: Sanitary Landfills, VIK. NPS: Hydromodification, VIL. X. Recycled Water Distribution, VIM. O. Other

**PFA (Priority Funding Area) Codes:**

- PFA: 1 = Categorical Exclusion
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<th>River Basin NPDES #</th>
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<th>Total Cost</th>
<th>MDE Requested Funding</th>
<th>Cost By Needs Category</th>
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<tr>
<td>31 48</td>
<td>A SAN SEWER RECONSTRUCTION - LOWER ANACOSTIA BASIN PGC SECTION 2</td>
<td>PROBLEM: SANITARY SEWER OVERFLOWS; CONSENT ORDER P/JM-04-3679</td>
<td>MARCIA TUCKER</td>
<td>REG</td>
<td>CW0065 Ben.Pop= 1,349,533</td>
<td>02-14-02-05 W/S: Y PFA: Y Compliance Construction PFA: Y</td>
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<td>IIIB = 4,225,000</td>
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<td>B SAN SEWER RECONSTRUCTION - SLIGO CREEK BASIN PGC SECTION 2</td>
<td>PROBLEM: SANITARY SEWER OVERFLOWS; CONSENT ORDER P/JM-04-3679</td>
<td>MARCIA TUCKER</td>
<td>REG</td>
<td>CW0067 Ben.Pop= 1,349,533</td>
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<td>C SAN SEWER RECONSTRUCTION - BEAVERDAM BASIN PGC SECTION 2</td>
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<td>34 48</td>
<td>D SAN SEWER RECONSTRUCTION - ROCK CREEK BASIN MC SECTION 2</td>
<td>PROBLEM: SANITARY SEWER OVERFLOWS; CONSENT ORDER P/JM-04-3679</td>
<td>MARCIA TUCKER</td>
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<td>CW0068 Ben.Pop= 1,349,533</td>
<td>02-14-02-06 W/S: Y PFA: 2 Compliance Construction PFA: Y</td>
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<td>E SAN SEWER RECONSTRUCTION - LITTLE FALLS BASIN MC SECTION 2</td>
<td>PROBLEM: SANITARY SEWER OVERFLOWS; CONSENT ORDER P/JM-04-3679</td>
<td>MARCIA TUCKER</td>
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<td>CW0070 Ben.Pop= 1,349,533</td>
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<td>36</td>
<td>F SAN SEWER RECONSTRUCTION - CABIN JOHN BASIN MC SECTION 2</td>
<td>PROBLEM: SANITARY SEWER OVERFLOWS; CONSENT ORDER PJM-04-3679</td>
<td>MARCIA TUCKER</td>
<td>REG 8</td>
<td>WSSC</td>
<td>02-14-02-06 NPDES # DC0021199</td>
<td>Design 01/01/2017 Construction 11/01/2017</td>
<td>5,278,000</td>
<td>Loan $ 5,278,000</td>
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<td>37</td>
<td>G SAN SEWER RECONSTRUCTION - MUDDY BRANCH BASIN MC SECTION 2</td>
<td>PROBLEM: SANITARY SEWER OVERFLOWS; CONSENT ORDER PJM-04-3679</td>
<td>MARCIA TUCKER</td>
<td>REG 8</td>
<td>WSSC</td>
<td>02-14-02-06 NPDES # DC0021199</td>
<td>Design 01/01/2017 Construction 11/01/2017</td>
<td>5,824,000</td>
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<td>38</td>
<td>BALTIMORE CITY MS4 PROGRAM</td>
<td>PROBLEM: STORMWATER RUNOFF NOT MANAGED TO MAXIMUM EXTENT PRACTICABLE; MS4 PERMIT</td>
<td>TROY BROGDEN</td>
<td>REG 3</td>
<td>W/S: E PFA: E</td>
<td>03/01/2016 Design 03/01/2016 Construction 12/31/2018</td>
<td>70,497,400</td>
<td>Loan $ 62,022,400</td>
<td>VC = 70,497,400</td>
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<td>39</td>
<td>KEYSER'S RIDGE WWTP</td>
<td>PROBLEM: EXISTING BFS (PRIVATE) SECONDARY 0.014 MGD WWTP EXCEEDING PERMIT LIMITS AND DETERIORATING; COUNTY GROWTH AREA; CONSENT ORDER</td>
<td>PATRICK HUDNALL</td>
<td>1A 6</td>
<td>GARBET COUNTY SANITARY DISTRICT</td>
<td>05-02-02-01 NPDES # MD0069418</td>
<td>Design 05/01/2016 Construction 06/12/2018</td>
<td>6,816,000</td>
<td>Loan $ 5,680,000</td>
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<td>40</td>
<td>ROCK RUN SEWER EXTENSION</td>
<td>PROBLEM: SEPTICS W/HISTORY OF MARGINAL REPAIRS, SEWAGE NUISANCE CASES; BAT SYSTEMS NOT AN OPTION, GIVEN GEOLOGY AND SLOPE</td>
<td>PHILIP MUZIK</td>
<td>34B 1</td>
<td>CECIL COUNTY</td>
<td>02-12-02-01 NPDES # MD0020796</td>
<td>Design 06/01/2017 Construction 07/01/2018</td>
<td>1,250,000</td>
<td>Loan $ 1,250,000</td>
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</table>

**Needs Category Definitions:**

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  - IVA. New Collector Sewer
  - IVB. New Interceptor Sewer
  - VIB. SW Treatment Systems
  - VIJ. NPS: Sanitary Landfills
- **II. Advanced Treatment**
  - IVB. SW Conveyance Infrastructure
  - VIIK. NPS: Hydromodification
  - VID. General SW Management
  - VI. Recycled Water Distribution
- **III. Infrastructure Improvement**
  - IVB. CSO Correction - Traditional
  - VIB. CSO Correction - Green
  - VII. Green Infrastructure
  - O. Other

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- **PFA: 3** = Categorical Exception (No Expansion)
- **PFA: 4** = Categorical Exclusion (No Expansion)
- **PFA: 5** = Exception Granted (Under Review)
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<th>Total Cost</th>
<th>Funding Requested</th>
<th>Cost By Needs Category</th>
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<tr>
<td>41</td>
<td>ROCKVILLE WASTEWATER COLLECTION SYSTEM REHABILITATION</td>
<td>PROBLEM: AGING COLLECTION SYSTEM; REPORTED SSIs AND BACKUPS INTO HOMES</td>
<td>HEATHER GEWANDTER</td>
<td>17</td>
<td>NPDES #</td>
<td>Design</td>
<td>01/01/2009</td>
<td>3,440,000</td>
<td>3,010,000</td>
<td><strong>IIIB = 3,440,000</strong></td>
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<td>CW0044</td>
<td>CITY OF ROCKVILLE</td>
<td>CITY OF ROCKVILLE</td>
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<td>3,010,000</td>
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<td>3,440,000</td>
<td>3,010,000</td>
<td><strong>IIIB = 3,440,000</strong></td>
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<td>42</td>
<td>WOODLAND RUN STREAM RESTORATION</td>
<td>PROBLEM: WATERSHED IMPAIRED/STREAM BANK EROSION; MS4 PERMIT</td>
<td>CHRISTINE BUCKLEY</td>
<td>02-13-07-04</td>
<td>W/S: E PFA: E</td>
<td>Design</td>
<td>04/01/2017</td>
<td>1,500,000</td>
<td>750,000</td>
<td><strong>VC = 1,500,000</strong></td>
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<td>38</td>
<td>CW0026</td>
<td>HARFORD COUNTY</td>
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<td>Compliance</td>
<td>01/01/2018</td>
<td>1,500,000</td>
<td>750,000</td>
<td><strong>VC = 1,500,000</strong></td>
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<td>System Size = Small</td>
<td>Harford County</td>
<td>93</td>
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<td>Public</td>
<td>03/31/2019</td>
<td>1,500,000</td>
<td>750,000</td>
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<td>34</td>
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<td></td>
<td>1,500,000</td>
<td>750,000</td>
<td><strong>VC = 1,500,000</strong></td>
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<tr>
<td>43</td>
<td>BARCLAY SEWER DEVELOPMENT</td>
<td>PROBLEM: MAJORITY OF SEPTICS IN TOWN ARE FAILING; LOTS CANNOT ACCOMMODATE SYSTEMS TO MEET STANDARDS; HIGH WATER TABLE; GW CONTAMINATION</td>
<td>ELIZABETH JO MANNING</td>
<td>02-13-05-10</td>
<td>W/S: Y PFA: 5</td>
<td>Design</td>
<td>08/01/2009</td>
<td>4,480,000</td>
<td>2,705,729</td>
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<td>CW0027</td>
<td>TOWN OF SUDLERSVILLE</td>
<td>TOWN OF SUDLERSVILLE</td>
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<td>2,705,729</td>
<td><strong>IVA = 4,480,000</strong></td>
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<td>36</td>
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<td>4,480,000</td>
<td>2,705,729</td>
<td><strong>IVA = 4,480,000</strong></td>
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<td>44</td>
<td>COLLEGE OF SOUTHERN MD WWTP UPGRADE/MT CARMEL WOODS PS/FORCE MAIN</td>
<td>PROBLEM: AGING/INEFFICIENT WWTPS (0.21 MGD MCW AND 0.6 MGD CSM); EXCESSIVE NUTRIENTS TO THE CHESAPEAKE BAY; NPDES PERMIT LIMITS</td>
<td>JOHN H. STEVENS</td>
<td>02-14-01-09</td>
<td>W/S: Y PFA: 1</td>
<td>Design</td>
<td>07/01/2017</td>
<td>14,590,000</td>
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<td>35</td>
<td>CW0080</td>
<td>CHARLES COUNTY</td>
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<td>11/01/2018</td>
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<td><strong>II = 14,590,000</strong></td>
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<td></td>
<td>System Size = Small</td>
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<td>93</td>
<td></td>
<td>Public</td>
<td>12/31/2019</td>
<td>14,590,000</td>
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<td>35</td>
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<td></td>
<td>14,590,000</td>
<td>4,800,000</td>
<td><strong>II = 14,590,000</strong></td>
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<td>45</td>
<td>SALISBURY SEWER EXTENSION - MT. HERMON ROAD</td>
<td>PROBLEM: TWO PROPERTIES ON CITY-MAINTAINED SEPTICS HAVE POORLY FUNCTIONING DRAINFIELDS/REQUIRE FREQUENT PUMP-OUTS/POORLY FUNCTIONING</td>
<td>AMANDA POLLACK, P.E.</td>
<td>02-13-03-01</td>
<td>W/S: Y PFA: Y</td>
<td>Design</td>
<td>07/01/2017</td>
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<td>33</td>
<td>CW0010</td>
<td>CITY OF SALISBURY</td>
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<td>109,300</td>
<td>109,300</td>
<td><strong>IA = 109,300</strong></td>
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**NEEDS CATEGORY DEFINITIONS:**

- I. Secondary Treatment
- II. Advanced Treatment
- IIIA. I/I Correction
- IIIB. Major Sewer Rehab
- IV. New Collector Sewer
- V. SW Treatment Systems
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<tr>
<td>46 33 GREEN (G)</td>
<td>ER-4042 MASONVILLE COVE WATERSHED ENVIRONMENTAL SITE DESIGN CW0043 Ben.Pop= 622,000</td>
<td>PROBLEM: STORMWATER NOT CURRENTLY MANAGED TO MAXIMUM EXTENT PRACTICABLE; MS4 PERMIT</td>
<td>TROY BROGDEN MAYOR AND CITY COUNCIL OF BALTIMORE</td>
<td>REG 2</td>
<td>02-13-09-03</td>
<td>Design 12/01/2016 PFA: E Compliance PUBLIC LARGE DISADV.</td>
<td>1,132,000</td>
<td>732,000</td>
<td>MC = 1,132,000</td>
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<td>47 33 GREEN (G)</td>
<td>CAT BRANCH STREAM RESTORATION AND SEWER INFRASTRUCTURE PROTECTION CW0017 DRAIN ACRES=285 WETLAND ACRES: 3</td>
<td>PROBLEM: CAT BRANCH DEGRDED DUE TO UNCONTROLLED STORMWATER FROM HISTORICAL LAND USE/DEVELOPMENT; MS4 PERMIT</td>
<td>JOE PORTS ANNE ARUNDEL COUNTY</td>
<td>33 3</td>
<td>02-13-10-01</td>
<td>Design 11/01/2015 PFA: E Compliance PUBLIC</td>
<td>3,863,613</td>
<td>1,931,806</td>
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<td>48 33 GREEN (G)</td>
<td>BACK CREEK STREAM RESTORATION CW0030 DRAIN ACRES=35 WETLAND ACRES: 3</td>
<td>PROBLEM: STORMWATER RUNOFF CURRENTLY CONVEYED VIA CLAY PIPE TO BACK CREEK, NO TREATMENT; MS4 PERMIT <strong>LATE START</strong></td>
<td>MARIA BROADBENT CITY OF ANNAPOLIS</td>
<td>30A 3</td>
<td>02-13-10-02</td>
<td>Design 05/01/2018 PFA: E Compliance PUBLIC</td>
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<td>MC = 365,650</td>
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<td>49 33 GREEN (G)</td>
<td>SALISBURY CITY SERVICE CENTER COMPREHENSIVE ENV SITE DESIGN CW0011 DRAIN ACRES=8</td>
<td>PROBLEM: CITY SERVICE CENTER SERVED BY OUTDATED SWM SYSTEM/NO BMPS; CITY UNDER PHASE II MS4 PERMIT</td>
<td>AMANDA POLLACK, P.E. CITY OF SALISBURY</td>
<td>37A 1</td>
<td>02-13-03-01</td>
<td>Design 04/2015 PFA: E Compliance PUBLIC LARGE DISADV.</td>
<td>539,985</td>
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<td>50 33 GREEN (G)</td>
<td>BALTIMORE COUNTY SHORELINE ENHANCEMENTS CW0047 LINEAR FEET=9,012 WETLAND ACRES: 6</td>
<td>PROBLEM: ERODING SHORELINE IN BALTIMORE COUNTY PARKS RESULTING IN NUTRIENT AND SEDIMENT DEPOSITION; MS4 PERMIT</td>
<td>ROB RYAN BALTIMORE COUNTY</td>
<td>6 2</td>
<td>02-13-09-03</td>
<td>Design 03/01/2015 PFA: E Compliance PUBLIC</td>
<td>8,806,251</td>
<td>7,898,385</td>
<td>MC = 8,806,251</td>
</tr>
</tbody>
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- IVB. New Interceptor Sewer
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<tr>
<td>51</td>
<td>FURNACE CREEK STREAM RESTORATION</td>
<td>PROBLEM: CONCRETE-LINED CHANNEL NOT PERFORMING ENV FUNCTIONS (SED CAPTURE, NUTRIENT CYCLING, HABITAT, ETC); DOWNSTREAM EROSION; MS4</td>
<td>JOE PORTS</td>
<td>31A</td>
<td>02-13-09-03</td>
<td>Design</td>
<td>5,515,702</td>
<td>2,757,851</td>
<td>GREEN $ = 2,757,851</td>
</tr>
<tr>
<td></td>
<td>CW0016 LINEAR FEET=3,700 WETLAND ACRES= 6</td>
<td>PROJECT: CONSTRUCT RESTORATION OF 3,700 LF STREAM AND 5.6 AC WETLAND, INC REMOVING CONCRETE, RECONNECT STREAM TO FLOODBANK</td>
<td>ANNE ARUNDEL COUNTY</td>
<td>3</td>
<td>02-13-09-03</td>
<td>Design</td>
<td>5,515,702</td>
<td>2,757,851</td>
<td>LOAN UNWANTED</td>
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<tr>
<td>52</td>
<td>CAROLINE COUNTY MD DETENTION CENTER PUMP STATION REPAIR/REHAB</td>
<td>PROBLEM: EXISTING PUMP STATION AGING; FAILURES TO CHOPTANK RIVER; WET WELL IN FLOODPLAIN; SYSTEM SUBJECT TO MISUSE BY INMATES</td>
<td>RUTH COLBOURNE</td>
<td>36</td>
<td>02-13-04-04</td>
<td>Design</td>
<td>589,000</td>
<td>542,000</td>
<td>SMALL $ = 542,000</td>
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<tr>
<td></td>
<td>CW0060 Ben.Pop= 150</td>
<td>PROJECT: CONSTRUCT REHAB/REPAIR, RELOCATE TANK, INSTALL IN-LINE COMMIMUTORS, UPGRADE PUMP CONTROLS, MONITORS, SENSORS</td>
<td>COUNTY COMMISSIONERS OF CAROLINE COUNTY</td>
<td>1</td>
<td>02-13-04-04</td>
<td>Design</td>
<td>589,000</td>
<td>542,000</td>
<td>SMALL $ = 542,000</td>
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<tr>
<td>53</td>
<td>RUBBERSET WASTEWATER PUMP STATION REPLACEMENT</td>
<td>PROBLEM: EXISTING PUMP STATION IS UNDERSIZED/HAS EXCEEDED USEFUL LIFE; MULTIPLE SANITARY SEWER OVERFLOWS REPORTED</td>
<td>RICK POLLITT</td>
<td>38A</td>
<td>02-13-02-06</td>
<td>Design</td>
<td>2,251,800</td>
<td>1,850,000</td>
<td>SMALL $ = 1,850,000</td>
</tr>
<tr>
<td></td>
<td>CW0022 Ben.Pop= 1,450</td>
<td>PROJECT: CONSTRUCT REPLACEMENT PUMP STATION TO HANDLE EXISTING FLOWS; REROUTE FORCE MAIN</td>
<td>CITY OF CRISFIELD</td>
<td>1</td>
<td>02-13-02-06</td>
<td>Design</td>
<td>2,251,800</td>
<td>1,850,000</td>
<td>SMALL $ = 1,850,000</td>
</tr>
<tr>
<td>54</td>
<td>CRISFIELD I&amp;I REMOVAL PH 1</td>
<td>PROBLEM: CITY'S SANITARY SEWER COLLECTION SYSTEM IS DETERIORATING; MULTIPLE SANITARY SEWER OVERFLOWS REPORTED</td>
<td>RICK POLLITT</td>
<td>38A</td>
<td>02-13-02-06</td>
<td>Design</td>
<td>1,000,000</td>
<td>818,400</td>
<td>SMALL $ = 818,400</td>
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<tr>
<td></td>
<td>CW0021 Ben.Pop= 1,900</td>
<td>PROJECT: CONSTRUCT REHAB OF APPROXIMATELY 17,000 LF OF CIPP LINING (8-12&quot;), POINT REPAIRS, MANHOLE REHAB</td>
<td>CITY OF CRISFIELD</td>
<td>1</td>
<td>02-13-02-06</td>
<td>Design</td>
<td>1,000,000</td>
<td>818,400</td>
<td>SMALL $ = 818,400</td>
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<td>55</td>
<td>COVE STREET WASTEWATER PUMP STATION REPLACEMENT</td>
<td>PROBLEM: EXISTING PUMP STATION HAS EXCEEDED USEFUL LIFE; INADEQUATELY SIZED, FAILS REPEATEDLY, INEFFECFTIVE AND UNSAFE</td>
<td>RICK POLLITT</td>
<td>38A</td>
<td>02-13-01-02</td>
<td>Design</td>
<td>637,400</td>
<td>500,000</td>
<td>SMALL $ = 500,000</td>
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<tr>
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<td>CW0023 Ben.Pop= 3,100</td>
<td>PROJECT: CONSTRUCT REPLACEMENT PUMP STATION INC. FLOW METER, VALVE VAULT, BYPASS CONN AND OTHER CONTROLS TO HANDLE EXISTING FLOWS</td>
<td>CITY OF CRISFIELD</td>
<td>1</td>
<td>02-13-01-02</td>
<td>Design</td>
<td>637,400</td>
<td>500,000</td>
<td>SMALL $ = 500,000</td>
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**NEEDS CATEGORY DEFINITIONS:**

I. Secondary Treatment
IVA. New Collector Sewer
IV. SW Conveyance Infrastructure
IVJ. NPS: Sanitary Landfills

II. Advanced Treatment
IVB. New Interceptor Sewer
IVB. SW Treatment Systems
IVK. NPS: Hydromodification

IIIA. I/I Correction
IVA. CSO Correction - Traditional
VIC. Green Infrastructure
VID. General SW Management

IIIB. Major Sewer Rehab
VICA. CSO Correction - Green
X. Recycled Water Distribution
O. Other

**PFA (Priority Funding Area) Codes:**
PFA: 1 = Categorical Exclusion
PFA: 2 = Categorical Exception (No Expansion)
PFA: 3 = Concurrency Review Required
PFA: 4 = Exception Under Review
PFA: 5 = Exception Granted
<table>
<thead>
<tr>
<th>Rank/Points</th>
<th>Project Title/Number/ Population</th>
<th>Project Description</th>
<th>Applicant Name/County</th>
<th>Leg/Cong District</th>
<th>River Basin NPDES #</th>
<th>Project Details</th>
<th>Total Cost</th>
<th>MDE Requested Green Cost</th>
<th>Cost By Needs Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>56</td>
<td>WILLIAMSPORT SANITARY SEWER COLLECTION SYSTEM &amp; LIFT STATION IMPR</td>
<td>PROBLEM: EXCESSIVE INFLOW AND INFILTRATION</td>
<td>JAMES G. MCCLEAF II</td>
<td>2A</td>
<td>W/S: Y PFA: 1 PUBLIC SMALL DISADV.</td>
<td>Design 06/01/2017 Construction 02/01/2017</td>
<td>999,000</td>
<td>999,000</td>
<td>IIIA = 999,000</td>
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<tr>
<td>57</td>
<td>INDIAN ACRES DAM REPAIR</td>
<td>PROBLEM: DAM IN 'UNSAFE VERY POOR' CONDITION; BOTTOMS OF PIPES HAVE RUSTED AWAY, FLOWS CAUSED BY DOWNSPOUT DEGRADATION</td>
<td>JOE BEHRLE</td>
<td>36</td>
<td>W/S: E PFA: E PRIVATE SMALL</td>
<td>Design 01/01/2014 Construction 06/01/2017</td>
<td>598,756</td>
<td>541,756</td>
<td>VIK = 598,756</td>
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<tr>
<td>58</td>
<td>CUMBERLAND CSO WATER QUALITY ANALYSIS (PROJECT NO. 18-15-WWTP)</td>
<td>PROBLEM: UNKNOWN WATER QUALITY CONDITIONS BEFORE/ AFTER CSO STORAGE FACILITY ONLINE; CONSENT DEGREE #01-C-00-18342L</td>
<td>JOHN DIFONZO</td>
<td>1</td>
<td>W/S: Y PFA: 1 Compliance PUBLIC DISADV.</td>
<td>Design 02/01/2016 Construction / /</td>
<td>123,000</td>
<td>100,000</td>
<td>O = 123,000</td>
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<tr>
<td>59</td>
<td>EDGEMONT RESERVOIR REHABILITATION (EMERGENCY REPAIR) PROJECT</td>
<td>PROBLEM: SEE PAGE FROM THE TOE OF THE RESERVOIR/POTENTIAL FAILURE THREATENING DOWNSPOUT WATER QUALITY</td>
<td>NANCY HAUSRATH</td>
<td>2C</td>
<td>W/S: E PFA: E Compliance PUBLIC LARGE DISADV.</td>
<td>Design 05/01/2017 Construction 11/01/2018</td>
<td>5,750,000</td>
<td>5,650,000</td>
<td>VIK = 5,750,000</td>
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<tr>
<td>60</td>
<td>HUNTING CREEK STREAM BANK RESTORATION - PHASE II</td>
<td>PROBLEM: STREAM CHANNEL EROSION RESULTING IN HABITAT DEGRADATION, TREE CANOPY LOSS, DESTABILIZATION OF WATER/SEWER LINES</td>
<td>JAMES HUMERICK</td>
<td>4A</td>
<td>W/S: E PFA: E PUBLIC</td>
<td>Design 06/01/2015 Construction 11/01/2017</td>
<td>1,364,950</td>
<td>1,364,950</td>
<td>VIK = 1,364,950</td>
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**NEEDS CATEGORY DEFINITIONS:**

I. Secondary Treatment
IVA. New Collector Sewer
IVB. New Interceptor Sewer
IVA. SW Conveyance Infrastructure
IVB. SW Treatment Systems
I. Advanced Treatment
I. A. I/I Correction
VA. CSO Correction - Traditional
VI. NPS: Sanitary Landfills
IVB. Green Infrastructure
VII. NPS: Hydromodification
III. II. I/I Correction
VA. CSO Correction - Green
V. Recycled Water Distribution
III. III. Major Sewer Rehab
VB. CSO Correction - Green
VID. General SW Management
II. Other

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PFA: 3 = Categorical Exclusion (No Expansion)
PFA: 4 = Concurrency Review Required
PFA: 5 = Exception Under Review
PFA: 6 = Exception Granted
<table>
<thead>
<tr>
<th>Rank/Number</th>
<th>Project Title/Number/ Population</th>
<th>Project Description</th>
<th>Applicant Name/County</th>
<th>Leg/Cong District</th>
<th>River Basin NPDES #</th>
<th>Project Details</th>
<th>Total Cost</th>
<th>MDE Requested Funding</th>
<th>Cost By Needs Category</th>
<th>Needs Category Definitions</th>
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<tr>
<td>61 18</td>
<td>PISCATAWAY WWTP BIO ENERGY PROJECT</td>
<td>PROBLEM: MORE RESTRICTIVE GUIDELINES RE LAND APPLICATION OF CLASS B BIOSOLIDS</td>
<td>STANLEY DABEK</td>
<td>REG</td>
<td>5</td>
<td>W/S: Y, PFA: 2</td>
<td>Design</td>
<td>01/01/2017</td>
<td>Construction</td>
<td>02/01/2018</td>
</tr>
<tr>
<td>63 18</td>
<td>WILLOW POND STORMWATER MANAGEMENT FACILITY</td>
<td>PROBLEM: CURRENT POND IS TOO SHALLOW, IS NOT EFFECTIVE AS A SW MANAGEMENT FACILITY; MS4 PERMIT</td>
<td>COLLEEN ENSOR</td>
<td>5</td>
<td>W/S: E, PFA: E</td>
<td>Design</td>
<td>09/01/2016</td>
<td>Construction</td>
<td>07/01/2018</td>
<td>05/31/2019</td>
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<tr>
<td>64 18</td>
<td>SHANNON HAWK STORMWATER MANAGEMENT FACILITY</td>
<td>PROBLEM: EXISTING WET POND AND 2 FAILED EXTENDED DETENTION PONDS PROVIDE INSUFFICIENT SW MGMT FOR DEVELOPMENT; MS4 PERMIT</td>
<td>COLLEEN ENSOR</td>
<td>5</td>
<td>W/S: E, PFA: E</td>
<td>Design</td>
<td>12/01/2015</td>
<td>Construction</td>
<td>10/01/2018</td>
<td>11/30/2019</td>
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<td>65 15</td>
<td>CAMBRIDGE HIGH STREET SEWER REHABILITATION</td>
<td>PROBLEM: AGING/LEAKING SEWER LINES SUBJECT TO I&amp;I, CAUSING STREET ABOVE TO DETERIORATE</td>
<td>GEORGE W. HYDE, P.E.</td>
<td>37B</td>
<td>1</td>
<td>W/S: Y, PFA: Y</td>
<td>Design</td>
<td>10/01/2015</td>
<td>Construction</td>
<td>04/01/2018</td>
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</tbody>
</table>

**NEEDS CATEGORY DEFINITIONS:**

I. Secondary Treatment
IVA. New Collector Sewer
IVA. SW Conveyance Infrastructure
IVA. SW Treatment Systems
IVA. SW Hydromodification
IVA. Recycled Water Distribution

II. Advanced Treatment
IVB. New Collector Sewer
IVB. SW Treatment Systems
IVB. SW Conveyance Infrastructure
IVB. SW Hydromodification
IVB. Recycled Water Distribution

IIIA. III Correction
IX. NPS: Sanitary Landfills
IX. NPS: Hydromodification
IX. NPS: Recycled Water Distribution

IIIB. Major Sewer Rehab
X. NPS: Sanitary Landfills
X. NPS: Hydromodification
X. NPS: Recycled Water Distribution

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PFA: 5 = Exception Granted
<table>
<thead>
<tr>
<th>Rank/Points</th>
<th>Project Title/Number/Population</th>
<th>Project Description</th>
<th>Applicant Name/County</th>
<th>Leg/Cong District</th>
<th>River Basin NPDES #</th>
<th>Project Details</th>
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<th>Total Cost</th>
<th>MDE RequestedGreen Cost</th>
<th>Cost By Needs Category</th>
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<tr>
<td>66</td>
<td>MATTAWOMAN INFILTRATION &amp; INFLOW: PINFIELD AREA</td>
<td>PROJECT: EXCESSIVE INFLOW/INFILTRATION</td>
<td>JOHN H. STEVENS</td>
<td>28</td>
<td>MD0021865</td>
<td>Design</td>
<td>06/01/2016</td>
<td>1,285,180</td>
<td>1,150,000</td>
<td>LOAN UNWANTED</td>
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<td>67</td>
<td>OAKLAND WASTEWATER COLLECTOR SYSTEM REHAB/I&amp;I CORRECTION</td>
<td>PROJECT: EXCESSIVE INFLOW AND INFILTRATION (I&amp;I)</td>
<td>TOWN OF OAKLAND</td>
<td>1A</td>
<td>MD0020648</td>
<td>Design</td>
<td>05/01/2017</td>
<td>1,920,000</td>
<td>1,920,000</td>
<td>LOAN INTEREST</td>
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<td>68</td>
<td>LUKE SEWER REPLACEMENT</td>
<td>PROJECT: AGING/DETERIORATING COMBINED SYSTEM OF TERRA COTTA PIPE DOES NOT MEET 10' OFFSET BETWEEN WATER AND SEWER LINES</td>
<td>MAYOR EDWARD CLEMONS JR</td>
<td>1A</td>
<td>MD016187</td>
<td>Design</td>
<td>07/01/2017</td>
<td>1,430,000</td>
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<td>LOAN UNWANTED</td>
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<tr>
<td>69</td>
<td>DELMAR SEWER REPLACEMENT PROJECT</td>
<td>PROJECT: EXCESSIVE INFLOW AND INFILTRATION (I&amp;I)</td>
<td>SARA BYNUM-KING</td>
<td>38B</td>
<td>MD0020532</td>
<td>Design</td>
<td>06/01/2017</td>
<td>1,252,033</td>
<td>1,242,033</td>
<td>LOAN INTEREST</td>
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<tr>
<td>70</td>
<td>MEXICO FARMS INDUSTRIAL PARK PUMP STATION UPGRADE</td>
<td>PROJECT: PUMP STATION IS AGING; UPGRADE NEEDED TO WORK WITH NEW PUMPS &amp; CONTROLS; CANNOT OPERATE/Maintain FROM REMOTE LOCATION/COSTLY</td>
<td>JAMES L. WEBBER, PE</td>
<td>1C</td>
<td>MD0021598</td>
<td>Design</td>
<td>06/01/2017</td>
<td>2,225,000</td>
<td>1,000,000</td>
<td>LOAN INTEREST</td>
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**NEEDS CATEGORY DEFINITIONS:**

- I. Secondary Treatment
- II. Advanced Treatment
- IIIA. I/I Correction
- IIIB. Major Sewer Rehab
- IVA. New Collector Sewer
- IVB. New Interceptor Sewer
- VIB. SW Treatment Systems
- VIA. SW Conveyance Infrastructure
- VIC. Green Infrastructure
- VID. General SW Management
- VIJ. NPS: Sanitary Landfills
- VIK. NPS: Hydromodification
- VIB. SW Treatment Systems
- X. Recycled Water Distribution
- O. Other

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<tr>
<th>Rank/Points</th>
<th>Project Title/Number/ Population</th>
<th>Project Description</th>
<th>Applicant Name/ County</th>
<th>Leg/County</th>
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<th>Project Details</th>
<th>Total Cost</th>
<th>MDE Requested Funding</th>
<th>Cost By Needs Category</th>
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<tr>
<td>71</td>
<td>RAWLINGS SEWER PROJECT</td>
<td>PROBLEM: EXISTING PRIVATE SEWER SYSTEM SERVING 300 HOMES IN POOR CONDITION; EXCESSIVE INFLOW AND INFILTRATION</td>
<td>JAMES L. WEBBER, PE</td>
<td>1A</td>
<td>02-14-10-01 MD0023213</td>
<td>W/S: Y Design 05/01/2017</td>
<td>6,800,000</td>
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<td>72</td>
<td>SHARPTOWN SEWER COLLECTION SYSTEM REPAIR</td>
<td>P. DOUGLAS GOSNELL</td>
<td>37B</td>
<td>02-13-03-05 MD0052175</td>
<td>W/S: Y Design 10/01/2017</td>
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<td>73</td>
<td>CRISFIELD LANE SEWER REPLACEMENT</td>
<td>ANTHONY STOCKUS</td>
<td>38A</td>
<td>02-13-02-08 MD0020666</td>
<td>W/S: Y Design 07/01/2011</td>
<td>789,605</td>
<td>638,760</td>
<td>IIIA = 789,605</td>
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<tr>
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<td>74</td>
<td>UNION BRIDGE I&amp;I REDUCTION IN SEWAGE COLLECTION</td>
<td>DAWN METCALF</td>
<td>4B</td>
<td>02-14-03-03 MD0022454</td>
<td>W/S: Y Design 09/01/2017</td>
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<td>970,000</td>
<td>IIIA = 970,000</td>
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<td>RIDGELY DOWNTOWN SEWER REPLACEMENT PROJECT</td>
<td>J. RYAN FLICKINGER, PE</td>
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<td>02-13-04-04 MD0020427</td>
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</table>

**NEEDS CATEGORY DEFINITIONS:**
- I. Secondary Treatment
  - IVA. New Collector Sewer
  - VIA. SW Conveyance Infrastructure
  - VIU. NPS: Sanitary Landfills
  - VIJ. NPS: Hydromodification
  - X. Recycled Water Distribution
- II. Advanced Treatment
  - IVB. New Interceptor Sewer
  - VIB. SW Treatment Systems
  - VIC. Green Infrastructure
  - VID. General SW Management
  - O. Other
- IIIA. I/I Correction
  - IVB. New Collector Sewer
  - VIC. Green Infrastructure
  - VIC. Green Infrastructure
  - VIC. Green Infrastructure
  - O. Other
- IIIB. Major Sewer Rehab
  - IVB. New Interceptor Sewer
  - VIB. SW Treatment Systems
  - VIC. Green Infrastructure
  - VIC. Green Infrastructure
  - O. Other

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<th>Rank/Points</th>
<th>Project Title/Number/Population</th>
<th>Project Description</th>
<th>Applicant Name/County</th>
<th>Leg/Congress District</th>
<th>River Basin NPDES #</th>
<th>Project Details</th>
<th>Total Cost</th>
<th>MDE Requested Green Cost</th>
<th>Cost By Needs Category</th>
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</thead>
<tbody>
<tr>
<td>76</td>
<td>OAKLAND WASTEWATER LAGOONS REHABILITATION</td>
<td>PROBLEM: ACCUMULATION OF SLUDGE IN WWTP LAGOONS AFFECTING RETENTION TIME AND PERFORMANCE; LINERS NEED REPAIR/UPGRADE</td>
<td>GWEN EVANS</td>
<td>1A</td>
<td>1302050201</td>
<td>Design</td>
<td>530,000</td>
<td>530,000</td>
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<tr>
<td>77</td>
<td>WESTERNPORT-LINCOLN DRIVE SEWER REPLACEMENT</td>
<td>PROBLEM: EXCESSIVE INFLOW AND INFILTRATION (I&amp;I)</td>
<td>RON TATARJW</td>
<td>1A</td>
<td>02141004</td>
<td>Design</td>
<td>2,225,000</td>
<td>2,220,000</td>
<td>3 = 2,225,000</td>
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<tr>
<td>78</td>
<td>GREAT MILLS WASTEWATER PUMPING STATION UPGRADE</td>
<td>PROBLEM: EXACTING 0.576 MGD PUMP STATION IS DETERIORATING, OVER-ALLOCATED, AND IN A FLOOD ZONE</td>
<td>STEVEN ENGLESON</td>
<td>29B</td>
<td>02140103</td>
<td>Design</td>
<td>7,691,370</td>
<td>7,691,370</td>
<td>4 = 7,691,370</td>
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<td>79</td>
<td>POCOMOKE SEWER LINE REPLACEMENT</td>
<td>PROBLEM: ANTIQUATED TERRA-COTTA SEWER LINES BREAKING CAUSING I&amp;I PROBLEMS</td>
<td>ERNEST A. CROFOOT</td>
<td>38B</td>
<td>02130202</td>
<td>Design</td>
<td>5,277,138</td>
<td>5,277,138</td>
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<td>80</td>
<td>DENTON DISINFECTION AND SYSTEM UPGRADES</td>
<td>PROBLEM: POTENTIAL HAZARD OF CHLORINE/SULFUR GAS DISINFECTION SYSTEM, BULGING BIOCROT LINER IN BASIN #2</td>
<td>DONALD MULRINE</td>
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**Needs Category Definitions:**

* I. Secondary Treatment
  - IVA. New Collector Sewer
  - VIA. SW Conveyance Infrastructure
* II. Advanced Treatment
  - IVB. New Interceptor Sewer
  - VIB. SW Treatment Systems
* IIIA. III Correction
  - VA. CSO Correction - Traditional
  - VIC. Green Infrastructure
  - X. Recycled Water Distribution
* IIIB. Major Sewer Rehab
  - VB. CSO Correction - Green
  - VID. General SW Management
  - O. Other

**PFA (Priority Funding Area) Codes:**

* PFA: 1 = Categorical Exclusion
* PFA: 2 = Categorical Exception (No Expansion)
* PFA: 3 = Concurrency Review Required
* PFA: 4 = Exception Under Review
* PFA: 5 = Exception Granted
<table>
<thead>
<tr>
<th>Rank/ Points</th>
<th>Project Title/ Number/ Population</th>
<th>Project Description</th>
<th>Applicant Name/ County</th>
<th>Leg/ Cong District</th>
<th>River Basin NPDES #</th>
<th>Project Details</th>
<th>Total Cost</th>
<th>Funding</th>
<th>Cost By Needs Category</th>
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<tr>
<td>81</td>
<td>INDIAN HEAD INFLOW &amp; INFILTRATION REDUCTION PROGRAM</td>
<td>PROBLEM: EXCESSIVE INFLOW AND INFILTRATION (I&amp;I)</td>
<td>LUCINDA STEVENS</td>
<td>28</td>
<td>02-14-01-11</td>
<td>Design</td>
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<td>CW0002</td>
<td>PROJECT: STUDY TO DETERMINE LOCATION OF I&amp;I: PLAN/DESIGN/CONSTRUCT REPAIR AND REPLACEMENT OF PIPING AND MANHOLES ALONG 35,000 LF</td>
<td>TOWN OF INDIAN HEAD</td>
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<td>0020052</td>
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<td>82</td>
<td>THURMONT SEWER SYSTEM I&amp;I REDUCTION - PHASE IV</td>
<td>PROBLEM: EXCESSIVE INFLOW AND INFILTRATION</td>
<td>JAMES HUMERICK</td>
<td>4A</td>
<td>02-14-03-03</td>
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<td>CW0058</td>
<td>PROJECT: CONSTRUCT/REHAB/REPLACEMENT OF 13,550 LF OF 8&quot; LINING, POINT REPAIRS AND MANHOLES</td>
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<td>HAVRE DE GRACE COLLECTION SYSTEM IMPROVEMENTS</td>
<td>PROBLEM: 12&quot; TERRA COTTA SEWER IS SUFFERING STRUCTURAL FAILURE, CAUSING ROADWAY TO COLLAPSE</td>
<td>BILL REEDER</td>
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<td>Design</td>
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<td>PROJECT: PLAN/DESIGN/CONSTRUCT REPLACEMENT OF EXISTING W/500 LF OF 12&quot; SEWER AND REPLACE 1 MANHOLE</td>
<td>MAYOR/CITY COUNCIL, CITY OF HAVRE DE GRACE</td>
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<td>Design</td>
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<td>84</td>
<td>PINEY BRANCH SEWER REPLACEMENT (UPPER REACHES)</td>
<td>PROBLEM: GRAVITY SEWER DETERIORATING/LEAKING</td>
<td>JOHN H. STEVENS</td>
<td>28</td>
<td>02-14-01-11</td>
<td>Design</td>
<td>1,952,860</td>
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<td>CW0083</td>
<td>PROJECT: CONSTRUCT APPROXIMATELY 2,500 LF OF 36&quot; SEWER WITH 10 MANHOLES AND RELATED APPURTENANCES TO REPLACE EXISTING</td>
<td>CHARLES COUNTY COMMISSIONERS</td>
<td>5</td>
<td>02-14-01-11</td>
<td>Design</td>
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<td>85</td>
<td>SALISBURY I&amp;I REMEDIAITION, PH I</td>
<td>PROBLEM: I&amp;I ENTERING COLLECTION SYSTEM, RESULTING IN INCREASED FLOW AT WWTP WHICH IS NOT COST-EFFECTIVE TO TREAT;</td>
<td>AMANDA POLLACK, P.E.</td>
<td>REG</td>
<td>02-13-03-01</td>
<td>Design</td>
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<td>PROJECT: DESIGN/CONSTRUCTION OF MANHOLE REHAB IN THE PHASE 1 STUDY AREA, INC 426 WATERTIGHT INSERTS, 105 FRAMES/COVERS, COATING, ETC</td>
<td>CITY OF SALISBURY</td>
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<td>02-13-03-01</td>
<td>Design</td>
<td>790,000</td>
<td>630,000</td>
<td>Loan $ 630,000</td>
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<td>Loan $ 630,000</td>
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**NEEDS CATEGORY DEFINITIONS:**

I. Secondary Treatment
   - IVA. New Collector Sewer
   - IVB. New Interceptor Sewer
   - IVA. SW Conveyance Infrastructure
   - VIIA. NPS: Sanitary Landfills

II. Advanced Treatment
   - IIIB. Major Sewer Rehab
   - IIIB. CSO Correction - Traditional
   - IIIB. CSO Correction - Green
   - VIB. SW Treatment Systems
   - VIC. Green Infrastructure
   - VID. General SW Management

III. CSO Correction
   - IIIB. CSO Correction - Traditional
   - IVA. SW Conveyance Infrastructure
   - VIIA. NPS: Sanitary Landfills

IVA. New Collector Sewer
   - IVA. New Collector Sewer
   - IVB. New Interceptor Sewer
   - IVA. SW Conveyance Infrastructure

V. SW Conveyance Infrastructure
   - VIB. SW Treatment Systems
   - VIC. Green Infrastructure
   - VID. General SW Management

VI. Green Infrastructure
   - VIIA. NPS: Sanitary Landfills
   - VIIB. NPS: Hydromodification
   - VIIK. NPS: Hydromodification

VII. CSO Correction
   - VIIA. NPS: Sanitary Landfills
   - VIIB. NPS: Hydromodification
   - VIIK. NPS: Hydromodification

X. Recycled Water Distribution

O. Other

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- PFA: 5 = Exception Granted

- VB. CSO Correction - Green
- VI. Green Infrastructure
- V. SW Conveyance Infrastructure
- IV. Advanced Treatment
- III. CSO Correction
- II. Secondary Treatment
- I. New Collector Sewer

- MD0020052
- MD0021121
- MD0021750
- MD0068365
- MD0021571
- MD0021571
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<th>Rank/Points</th>
<th>Project Title/Number/Population</th>
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<th>Applicant Name/County</th>
<th>Leg/Cong</th>
<th>River Basin NPDES #</th>
<th>Project Details</th>
<th>Total Cost</th>
<th>MDE Requested Funding</th>
<th>Cost By Needs Category</th>
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</thead>
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<td>86</td>
<td>MOUNTAIN LAKE PARK STORMDRAIN PROJECT HERITAGE DRIVE/PENSINGER</td>
<td>PROBLEM: EXISTING STORM DRAINS NOT SIZED ADEQUATELY OR LOCATED PROPERLY TO HANDLE &amp; CONVEY RUNOFF FROM DEVELOPMENT CAUSING FLOODING</td>
<td>MAYOR BRITTON L. MARTIN</td>
<td>1A 6</td>
<td>05-02-02</td>
<td>Design</td>
<td>1,143,038</td>
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<td>87</td>
<td>CHESAPEAKE CITY I&amp;I REHABILITATION</td>
<td>PROBLEM: SEWAGE INFLOW &amp; INFILTRATION</td>
<td>SANDRA EDWARDS</td>
<td>36 1</td>
<td>02-13-06-04</td>
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<td>CAMBRIDGE I&amp;I INVESTIGATION</td>
<td>PROBLEM: I&amp;I IN AGING SANITARY SEWER LINES</td>
<td>BRET R. JETT, PE</td>
<td>37B 1</td>
<td>02-13-04-03</td>
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<td>100,000</td>
<td>75,000</td>
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<td>89</td>
<td>MD DEPT OF HOUSING AND COMMUNITY DEVELOPMENT ENERGY FUND - DAC</td>
<td>PROBLEM: AIR EMISSIONS FROM ENERGY USE CONTRIBUTE TO ATMOSPHERIC DEPOSITION OF NUTRIENTS TO SURFACE WATERS</td>
<td>JOE SEEHUSEN</td>
<td>REG</td>
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<td>Construction</td>
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<td>MD DEPT OF HOUSING AND COMMUNITY DEVELOPMENT ENERGY FUND - NON DAC</td>
<td>PROBLEM: AIR EMISSIONS FROM ENERGY USE CONTRIBUTE TO ATMOSPHERIC DEPOSITION OF NUTRIENTS TO SURFACE WATERS</td>
<td>JOE SEEHUSEN</td>
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<td>11,000,000</td>
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Totals ... $1,210,273,337 $1,110,364,569

NEEDS CATEGORY DEFINITIONS:

- I. Secondary Treatment
- II. Advanced Treatment
- IIIA. I/I Correction
- IIIIB. Major Sewer Rehab

PB (Priority Funding Area) Codes:

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- PFA: 5 = Exception Granted