HOWARD COUNTY, MARYLAND

MAXIMUM EXTENT PRACTICABLE (MEP) ANALYSIS

July 7, 2021 - Revised September 28, 2021

Howard County Department of Public Works Bureau of Environmental Services Stormwater Management Division 9801 Broken Land Parkway, Columbia, MD 21046

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SECTION 1: SUMMARY NARRATIVE

Howard County, Maryland

Maximum Extent Practicable (MEP) Analysis

Summary Narrative

July 7, 2021 - Revised September 28, 2021

The Maryland Department of the Environment (MDE) is in the process of developing of the next generation National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Phase 1 Medium permit. To aid in the NPDES MS4 permit development process and to be consistent with Maryland's Phase III Watershed Implementation Plan (WIP) to Restore Chesapeake Bay by 2025, MDE developed the Maximum Extent Practicable or "MEP" Analysis to allow jurisdictions the opportunity to document the level of restoration they can accomplish in five years and to show County residents and stakeholders their plan to accomplish multiple objectives and meet restoration goals. On May 13, 2021, MDE requested that Howard County submit its MEP Analysis by July 7, 2021.

The MEP Analysis includes a Physical Capacity Analysis, a Restoration Project Portfolio spreadsheet, and a Fiscal Capacity Analysis and spreadsheet.

Physical Capacity Analysis

The Physical Capacity Analysis is included in Section 2 and is a questionnaire that describes the limitations (other than financial) that Howard County faces when implementing restoration projects. Attachments 1 through 5 support the Physical Capacity Analysis.

The type of project, i.e. ponds, streams, alternative practices, takes different amounts of time to go from initial concept to complete in-the-ground, but generally the County has been able to get 'typical' projects designed, permitted, and built in two to three years. Efforts such as tree planting may only take six months for design and implementation, but there is often additional time needed to actually identify appropriate sites for the tree planting and coordinate with the property owner. Stormwater management pond and stream restoration projects, which are larger and generally more complicated, often have non-cooperative adjacent property owners, and/or require higher levels of permitting (namely MDE Dam Safety review of ponds), which could add a year or more to the typical project time frame for completing typical projects. The County has four on-call design consultant teams and nine oncall construction firms that do the majority of the County's stream and pond restoration projects. When construction costs are projected to exceed \$1 million, the County must put these construction tasks out to public bid. The County has done two design/build projects, as well, but the on-call design and construction contract approach has worked well for the County. The County's schedules for design and construction have not been negatively impacted by a lack of qualified consultants and contractors, including WBE and MBE firms, and there has not been a shortage of firms showing interested in applying for the County's on-call contracts.

Restoration Project Portfolio

The Restoration Project Portfolio spreadsheet is included as Section 3 and includes:

- the list of projects, best management practices, and restoration that Howard County has implemented since meeting its previous permit's 20% impervious surface restoration goal (March 30, 2018)
- the list of projects, best management practices, and restoration that Howard County plans to implement over the next five-year permit term (2022 through 2026)
- the list of projects, best management practices, and restoration known at this time that Howard County may implement over the two years beyond the next five-year permit term (2027 through 2028)

The level of impervious acres restored and pollutant load reductions in the Restoration Project Portfolio is based on the Chesapeake Bay Phase 6 Watershed Model and the 2020 Accounting for Stormwater Wasteload Allocations and Impervious Acres Treated (Accounting Guidance). The Accounting Guidance document incorporates the equivalent impervious acre calculations for alternative practices, and credits for green stormwater infrastructure and watershed management.

With the exception of septic pump-outs, all permanent projects presented in the MEP portfolio are intended to be included as restoration towards the new permit. Annual practices are obligations from the previous permit that will be continued and do not provide extra treatment towards the new permit.

The County edited the Subtotal and Total equations in the Restoration Project Portfolio to reflect the County's permit timeframe (through FY26) and annual operational crediting accurately. Upon review of the spreadsheet equations it was determined that the summed values were not accurate, specifically the =IFS statement was not tabulating the total list of capital projects.

Howard County's Restoration Project Portfolio includes the full suite of stormwater-related projects and programs managed by a typical jurisdiction:

- conveyance
- water quality management
- water quality improvement
- flood control
- quantity management
- engineering design
- construction
- inspection
- maintenance
- restoration
- management

Annual Operational Programs

The County is continuing street sweeping, inlet cleaning, and septic system pumping programs to maintain credits claimed under the County's previous permit (Permit # 11-DP-3318). There are currently no additional planned levels of implementation above what was completed previously; however, the County will revisit these programs regularly to determine if they will be continued or replaced with permanent credits.

The County's street sweeping planning goal is to achieve an annual average of 351.4 impervious acres by the end of the current permit (Permit # 21-DP-3318). This goal maintains the average of street sweeping impervious acres used toward the County's 20% Impervious Restoration Target under the County's previous permit (351.4 acres; average FY11 to FY19). The County's inlet cleaning planning goal is an annual average of 67.8 impervious acres by the end of the current permit, which maintains the average of inlet cleaning impervious acres used towards the County's 20% Impervious Restoration Target (67.8 acres; average FY17-FY19). The planning goal for septic pump-outs is a total of 140.3 impervious acres by the end of the current permit, which equates to an annual target of 20.0 impervious acres or 668 septic pump-outs. This goal maintains the sum of FY15-FY19 septic pump-outs (4,678) used towards the County's 20% Impervious acres or 668 septic pump-outs. Restoration Target.

Projected implementation of annual practices is under the assumption that there will be a 7-year period, FY20-FY26, for annual practices to apply to the County's current permit. FY20 efforts are complete and recorded in the Restoration Project Portfolio for all three annual practices. For FY21-FY26, the average value needed to hit the planning goal over the next 6 years (to the end of the next permit) to maintain the crediting from the previous permit is recorded. At this time, the County does not have FY21 data; so, FY21 is reflected as a projection like records for future years FY22-FY26. If FY20 efforts fell below the planning goal, projected implementation for future years were adjusted to make up any deficits. The County has not projected annual operational efforts for 2027-2028.

Impervious restoration and load reductions calculations were made following MDE's 2014 Accounting Guidance and associated Bay Program Expert Panel reports. TN EOS load reductions were multiplied by the County average River to Bay TN delivery factor to calculate TN EOT load reductions for street sweeping and inlet cleaning. A summary of the impervious restoration progress made through the end of the County's permit term (December 17, 2019) by Howard County, including crediting from annual operational programs, is included in Table 10 of the County's FY20 Annual Report (Howard County Government, 2020) and detailed in the report submitted with the FY20 annual report titled *Howard County Impervious Restoration Accounting: Methodology and Results, Revised June 2020*.

Flood Mitigation Program

Howard County's Restoration Project Portfolio also includes an extensive flood mitigation program, a component of the Ellicott City Safe and Sound plan (the Plan), which is not typically found in an NPDES water quality restoration portfolio. After the July 2016 and May 2018 catastrophic and deadly floods in Historic Ellicott City, the County developed the Plan to address public safety. The Plan was the result of a major hydrology and hydraulics study to identify opportunities for flood mitigation in Ellicott City. There are four main focus areas of the Plan:

- 1. ensure public safety and account for climate change
- 2. support local business and property owners

- 3. maintain Ellicott City's historic charm
- 4. develop a more inclusive, community-driven process regarding Ellicott City's future

While some of these focus areas are being addressed through public outreach, enhanced situational awareness, and planning, the primary means for achieving the flood control portion of the Plan is the design and construction of seven large flood control projects. Five of the projects are upland dry flood storage facilities that will attenuate the flood flows that could reach Historic Ellicott City. The other two projects are large flood conveyance projects to divert flows under the town and to the Patapsco River, with one of the conveyance projects being a 5,800-linear foot, 15'-18' diameter rock tunnel under the town and under the CSX railroad. The current total estimated cost for these seven large capital projects is approximately \$140 million. The County is funding this massive effort through a combination of County capital funds, grants, and a WIFIA loan through EPA. While not true "water quality" restoration projects, all of these flood control projects will have benefits to the waterbodies in the area and the County is very interested in working with MDE to quantify the co-benefits for these projects within the context of the County's next permit requirements for meeting the NPDES and TMDL goals.

More general information about the Plan can be found at https://www.ecsafeandsound.org/

In addition to the Ellicott City Plan, the County has several other priority areas that will be a main focus during the next NPDES permit term. The July 2016 and May 2018 floods that devastated Historic Ellicott City also did significant damage in other local watersheds including the Valley Mede and Chatham subwatersheds. While not to the extent and cost of the Plan noted above, the County is investing in the design and construction of several flood mitigation capital projects in the Valley Mede and Chatham areas. These projects, many of which are currently in design, could cost upwards of \$10 million.

Another public safety focus for the County during the next permit term, and beyond, is the need for repair and replacement of failing stormwater pond infrastructure. The County has many older ponds that were built with metal barrels and risers, which was the accepted practice at the time of their design. These metal structures have now reached their service life and need to be replaced with concrete pipes and structures. The County has been trying to keep up with the pond repairs at the same time as performing projects to achieve impervious acre restoration and TMDL credits, but the pond needs are outpacing the credit requirements. The County tries to achieve impervious acre/TMDL credits whenever possible through these pond repairs, but that is not always possible due to site specific constraints. These pond repairs and reconstruction projects are typically funded through the County's capital budget.

All of the projects in the County's Restoration Project Portfolio must compete for funds with other County services including fire, police, and schools. With limited capital funds available and the added budget strain from the current COVID-19 pandemic, the County has to evaluate budgets annually and tough decisions are needed to prioritize spending with limited resources.

Financial Capacity Analysis

The Financial Capacity Analysis (FCA), included in Section 4 and Attachment 6, provides information on how stormwater-related costs are viewed in context with:

- Median Household Income (MHI)
- Socioeconomic Indicators (e.g., Unemployment, Poverty)
- Financial Wherewithal (Debt & Financial Management)

The FCA was developed in coordination with the University of Maryland's Environmental Finance Center (UMD-EFC). Data requested was gathered from:

- American Community Survey (ACS) information (<u>https://data.census.gov/cedsci/</u>)
- financial reporting websites
- county budgets

The FCA shows that Howard County has successfully invested in its stormwater program, meeting the fourth generation MS4 Permit's 20% impervious surface area restoration requirement. Howard County has been and continues to actively pursue state and federal grants to fund stormwater-related projects and services. The State and Federal grants provide for additional public improvements without additional debt burdens on County residents. The County also offers Watershed Protection Fee Hardship Tax Credit which provides for a 60% credit of the fee.

The FCA shows that Howard County is a financially strong community. Howard County has received the highest possible credit rating, AAA, from all three bond rating agencies for 24 consecutive years. This acknowledges the County's sizable and wealthy tax base, sound fiscal policies, and fiscal management. As all three credit rating agencies provided a stable outlook, the County continues to take a conservative and prudent approach, adhering to its policies, and does not anticipate any negative impacts to future borrowing.

MEP Summary

Under the County's current permit, and as reported in the County's final summary impervious accounting reports submitted in June 2020 (Howard County, 2020), the County's 20% impervious restoration goal of 2,203.8 acres was met on March 30, 2018, which included 559.4 acres of annual practices (street sweeping, catch basin cleaning, and septic system pumping) in addition to permanent practices including stormwater BMP, stream restoration, outfall stabilization, septic practices, and others.

Howard County performed impervious surface restoration credit calculations and pollutant load reduction estimates for projects completed and planned for after the March 30, 2018 date up through 2026, the expected end of the County's next permit term. These projects are included in the Restoration Project Portfolio and total 1,345 acres of impervious restoration. The total restoration projected includes an anticipated 1,336 acres of restoration from 'Capital Projects' and 9 acres of restoration from

'Other' projects, which largely include septic connections and upgrades, and rain barrel installations. The County's 20% goal was based on an impervious untreated baseline of 11,018.9 acres. Completing 1,345 acres of additional impervious restoration would represent 12.2% of the previously identified untreated baseline.

The County believes that the overall restoration plan and unique level of implementation presented with this analysis is the MEP for Howard County. As noted in the financial and physical analyses, there are many stormwater and water quality related responsibilities and priorities facing the County over the next several years that coincide with the permit term and will compete heavily for funding and County resources. Many of these elements do not translate directly into new impervious restoration, but are absolutely needed to maintain existing systems, meet other MS4 goals, and provide for functional and safe infrastructure. These include general inspection, maintenance, and repair of existing infrastructure; monitoring and reporting of system effectiveness; meeting flood management and control objectives; and meeting local TMDL goals related to TN, TP, TSS and the non-Bay TMDL pollutants including bacteria, and PCBs.

The planned level of effort on Howard County's part demonstrated by this MEP analysis should be more than adequate to achieve measurable success over the next permit term, assist MDE in meeting Maryland's statewide goals towards the Bay TMDL, and provide consistency with the Phase III WIP.

References

Howard County Government, Department of Public Works. 2020. Howard County Impervious Restoration Accounting: Methodology and Results, Revised June 2020. Submitted to the State of Maryland Department of the Environment, Baltimore, Maryland.

Howard County Government, Department of Public Works. 2020. National Pollutant Discharge Elimination System NPDES Permit No. MD0068322 State Discharge Permit No. 11-DP-3318 ANNUAL UPDATE NUMBER 25 FISCAL YEAR 2020. Submitted to State of Maryland Department of the Environment, Baltimore, Maryland. SECTION 2: PHYSICAL CAPACITY ANALYSIS

Howard County, Maryland Maximum Extent Practicable (MEP) Analysis Physical Capacity Analysis July 7, 2021

1. What is the typical implementation time frame (from planning through construction) for a restoration project? Provide a typical Gantt chart for the following three main classes of BMPs and break down into planning, design, and construction phases: 1. Large upland stormwater projects (e.g., new and retrofits for ponds, bioretention, infiltration basins, etc.); 2. Instream restoration projects; and, 3. Alternative projects (not annual) (e.g., tree planting). Provide a written justification to explain the time frames for each BMP class and phase.

The typical time frame for a "normal" stream or pond project is three to four years from the time that a project is identified and a design consultant is assigned to the project to when construction has been completed. Normal projects are those without special permitting considerations, do not require MDE Dam Safety input, do not impact historic or cultural resources, don't require property acquisition or easements, do not have public opposition, and have available funding. Sample time frames for normal restoration projects are as follows and are illustrated in the attached Gantt chart (Attachment 1):

- Large upland stormwater projects Planning 3 to 6 months; Design, which includes permitting 12 to 15 months;, Construction 12 to 15 months depending on the size of the project. If the project requires MDE Dam Safety review at least one more year should be added.
- Stream restoration projects Planning 3 to 6 months; Design, which includes permitting 12 to 15 months; Construction 12 to 15 months depending on size of the project and whether the project stops during the stream closure period.
- Alternative (trees planting) Planning 6 months with some projects on a wait list of up to two years; Design and implementation to 3 6 months depending on the size of the planting area.
- Alternative (septic pump outs and upgrades) Planning converting homes from septic to County sewer infrastructure typically happens slowly and in small amounts due to the cost of the new infrastructure and the willingness and desire by the residents to be taken off their septic system. For pump outs the planning involved is for public education and setting up funding for incentive programs. Design – 12 months for infrastructure improvements and Construction – 12 months to build the new infrastructure and tie in the residents systems.

The schedules in Attachment 1 include examples representing the two types of contracting, on-call and public advertisement, as described in more detail under #3 below. Using the County's on-call contract, shown in Attachment 1 for large stormwater BMPs an stream restoration projects, a project typically takes 3 years to complete. For projects with estimated construction costs over \$1 million, a public advertisement method is necessary which add approximately 6 months to the overall timeline.

In addition to the timeframes listed and shown on the Gantt chart, post-construction monitoring required by permits, particularly for stream restoration projects, can range from three to five years. Triennial inspections for restoration projects also begin post-construction. After permit required post-

construction monitoring the County continues to visit all completed stream projects on an annual basis even though reporting is not required.

For large upland stormwater and stream restoration projects the County has a large list of potential projects that has been generated by a variety of methods. Projects are added to the list on a rolling basis based on the countywide watershed assessments performed under the current NPDES permit cycle, property owner complaints, BMP inspection results (where repairs/retrofits are identified), and from elected officials. Projects are evaluated and prioritized annually based on project need, public safety concerns, water quality needs, and funding availability. The annual project prioritization/selection process is dynamic since field conditions and other considerations may change from year to year, and flexibility is needed to address the most urgent needs at the time. In some cases a new project that is brought to the County's attention may move to the front of the line based on its potential impact to public safety or infrastructure. When projects are selected to move forward, there is a relatively short initial period to bring a consultant on board and perform a planning level assessment of the potential project to identify any complicating factors that could impact project design or that need to be addressed before proceeding to formal design. Assuming no major issues arise during planning, the County assigns the design of the project to one of our on-call design teams. The design team goes through the normal design process of collecting data, designing the project (typically with 30%, 65%, 95%, and 100% milestone submittals), and submitting for and acquiring all necessary permits. The County also selects one of our on-call environmental restoration contractors to provide value engineering and constructability reviews during the design process.

For alternative projects, namely tree planting, the time frame is quicker due to less time needed for design and planting; however, pre-planning and actually finding sites takes more time since there are limited properties that lend themselves to large reforestation projects. Publicly owned properties including park properties may need to be left un-forested due to possible future uses. Private property owners, as a general rule, may accept a small portion of their property being planted with trees but typically do not volunteer to have major areas re-planted. So while tree planting may be a quicker project type, the ability to get large TMDL and impervious acre credits is less than the larger pond and stream projects.

2. Provide the average time to authorize capital improvement project (CIP) budgets for the initial project planning phase and for the design phase of a typical restoration project (assumes CIP approval for each phase is required). Do you have the ability to combine these two phases or do you have to get CIP approval for each phase consecutively?

Planning and design phases are typically combined with respect to requesting funding. For Howard County the CIP budget process usually starts in October/November at which time the annual prioritization and project selection process noted in #1 above starts. The CIP process involves further assessment and prioritization within the Department of Public Works, but the CIP request is sent to the County Budget Office and then to the County Executive. The Executive proposes his CIP budget, and then staff attend County Council work sessions to explain and justify the CIP requests. Final County Council approval occurs the following May. Funds approved by the County Council in May are then available in July/August, depending on the specific fund source. Once funds are available, the planning process can begin. If funding is not available for all projects initially identified, those projects remain on the potential project list and are reconsidered in the next fiscal year's CIP budget cycle. Typically Planning/Design funds are requested in one fiscal year and then construction money is requested in the following fiscal year cycle.

3. Provide the average time to procure professional planning, design, and construction services. Is procurement done in phases (e.g., procurement for planning, then procurement for design, and then procurement for construction)? How would a pay for performance type of contract or a design-build-operation-maintenance contract affect these time frames? Please provide information on any innovative contracting mechanism you use to reduce procurement timeframes and what those reduced time frames are.

For environmental restoration projects, Howard County currently has four on-call design teams that are assigned planning/design tasks at the start of a fiscal year based on availability of funds as noted in #2 above. The on-call design contracts are five-year contracts, which are renewed such that there is no gap in availability of design teams. There are infrequent exceptions where the County will put out an Expression of Interest for large or specialized design tasks, e.g. the Ellicott City North Tunnel, which is a 5,800-linear-foot rock tunnel under Ellicott City and the CSX railroad line.

The County also maintains on-call construction contracts. There are four on-call contractors prequalified to do pond work and five on-call contractors pre-qualified to do stream work. These are sixyear contracts. The County can assign construction tasks to these on-call contractors if they are anticipated to cost less than \$1 million. Construction projects greater than \$1 million are put out for bid. This external bidding process typically takes six to eight months from development of the Invitation for Bid until there is a signed contract. If grant money from the State is part of the construction funding package, another six months would be added to that time frame.

The County has done two design/build contracts for large stream restoration projects, but other than that, design and construction are procured separately. This design/build process from project advertisement to completion of construction took approximately two years; however, for one of the projects, acquisition of easements had to be done before the project was advertised. For normal stream and pond projects, the design/build process may have benefits, but the time to go from planning to construction does not really change.

The County continues to be open to innovative procurement options as they are applicable to specific projects. In the case of two large Ellicott City flood mitigation projects, the County is using the Construction Manager At Risk (CMAR) procurement process to bring the contractor on board early in the design phase, but this approach is not appropriate for typical pond and stream projects.

4. Provide the number of requests for proposals (RFPs) for BMP construction and for BMP design advertised during the past 5-year permit term. Of these, how many bids were submitted for each RFP and how many required re-advertising? Was there a trend over the permit term in the number of bid submittals received? How many unique companies provided bids for all RFPs?

As noted above, design and construction of BMPs is typically done through on-call contracts. For the current on-call design contract, the County received 19 expressions of interest, and through a Quality Based Selection process, chose four design teams to award contracts to. For the current on-call construction contract, the County received 15 bids from qualified contractors, and nine contractors were selected: five for stream work and four for pond work. Contractors were allowed to submit bids

and be selected for both pond and stream work. During the past five-year permit term, less than five stream and pond construction tasks were put out to bid since the rest were assigned to on-call contractors. No contracts required re-advertising. No trends were noticed for number of bids received.

5. Provide information on contracting limitations that result in longer project implementation times. Examples: Limited qualified construction contractors; Woman owned business enterprise (WBE) or minority owned business enterprise (MBE) requirements limit available qualified construction contractors and/or engineering contractors. Describe the issue and provide the time extension that results due to the issue.

The County has not seen a limited number of qualified contractors to date submitting expressions of interest for design or bids for construction, nor have the County's WBE/MBE requirements limited bidders. As noted above, the bulk of the County's construction work to date has been through prequalified contractors through an on-call contract, which has limited the number of project-specific invitations for bids, which in turn has limited the chances of having contracting limitation issues. As projects get bigger and more expensive, more projects will be put out to bid, and the County will be able to see if there are issues with the number of qualified bidders in the future.

6. Provide a typical time frame required to obtain permits from local, State, and federal agencies for the three main BMP project classes (i.e., upland stormwater ponds, instream restoration, and alternative projects) prior to construction. Describe how these time frames affect the overall project implementation time frames described in Question #1. How can these time frames be reduced to help get these projects out the door faster?

Permitting varies based on the type and size of project and agencies involved, so typical time frames are hard to say. For stream projects, the critical path for permitting is the Joint Permit Application (JPA) through MDE/Corps. On average, this process takes nine to 12 months. For pond projects, the big determining factor is whether the pond is classified as a significant or high hazard pond where MDE Dam Safety (DS) is involved. If DS is not involved, a typical pond review is done through the Howard Soil Conservation District (HSCD) and takes from eight to 12 months. If DS is involved in the review process, the review time is most likely going to be 12 to 15 months longer than an HSCD review. Alternative projects, in particular tree planting, typically don't go through the detailed review that streams and ponds go through, so permitting may only take six months.

Other factors that extend permit acquisition times are projects that are near historic and/or cultural resources, projects near/through property owned by BGE or CSX, and projects that require utility relocations, as well as projects where the local community opposes the project. Some projects where roadway detours are required also extend the time to permit the project and get public acceptance. If easements or rights of entry are needed to construct a project, that can add at least a year to the overall project schedule.

Agency review times for normal projects do not seem to be the critical path for the County's stream and pond projects; however, quicker turnaround times can also be helpful in speeding up the permit process. Local HSCD review requires three individual reviews; however, in many cases the third review is more of a formality where two reviews would be sufficient. Eliminating one review would save some time. DS review has become the critical path for most projects where DS review is required. Quicker turnaround times by DS would help the overall permit acquisition process. If may be helpful for DS to

assign specific required review times, e.g. 30 days or 45 days. Review by non-governmental agencies such as BGE and CSX do not fall under the normal umbrella of State and Federal reviews and often take an extremely long time. State/Federal review agencies try to coordinate their reviews, which is helpful, but reviews by non-governmental agencies is out of the County's control and does not have fixed turnaround times.

7. What type of a project do you consider as "low-hanging fruit"? What is your remaining capacity of available "low-hanging fruit" projects (estimate the number and impervious acre treatment total)?

Projects considered as "low-hanging fruit" for water quality restoration are projects located on County property that have straight forward design, permitting, and construction; have minimal public opposition; provide large amounts of TMDL or impervious acre credit; and are cost effective.

To date, 64% of the stream restoration projects completed have been solely on county property and 36% have been partially on private property. Those stream projects partially on private property have been brought to the County's attention by the private property owner and the owner has provided the easement without issue or delay. For pond retrofits, 38% of the completed projects have been on County property and 62% have been on private property where the County has an existing easement or responsibility for the pond by way of a recorded maintenance agreement. Planned projects have a similar breakdown of ownership.

While land ownership is a main factor in determining "low-hanging fruit," County-owned lands also have two additional factors that make these projects good candidates for restoration:

- 1. They are protected by County enforcement as Open Space, Drainage Easements, or other safeguarded lands, and the County has the authority and responsibility to maintain these lands.
- 2. They are often located in stream valleys, which receive a large amount of upstream inputs from adjacent developments lacking adequate stormwater management and availability of land for an upland retrofit, making these areas highly impacted areas in greater need of restoration.

Therefore, a focus on "low-hanging fruit" for restoration is actually fulfilling the County's responsibility to address the most impaired and vulnerable areas and provide the largest water quality improvement value. The County also focuses a fair amount of effort on other programs that do not necessarily receive restoration credit, but have other benefits to upland developments such as pond repairs, drainage improvements, and flood control projects.

The County has reviewed its list of potential projects and compared the possible restoration credits from these projects relative to the anticipated need for credit in the next generation MS4 permit. At this time we believe we have sufficient projects in the "low-hanging fruit" category to meet this need.

8. Complete the spreadsheet provided for restoration projects to be planned, designed, and/or constructed from the end of the 4th generation permit through 2028. Include for each restoration project the estimated impervious acres treated, estimated total nitrogen (TN) reduction, estimated total phosphorus (TP) reduction, and estimated total suspended sediments (TSS) reduction; any local total maximum daily load (TMDL) parameter (or other water quality objective) addressed; estimated cost; implementation status; and projected completion year. Include projects that will be in the

planning or design phase but will not be completed until after 2026. This information should be more specific for the first reporting year but may be more generalized for the remaining reporting years.

The Restoration Project Portfolio is included with this submittal in Section 2.

9. Provide a copy of your 5-year CIP for restoration projects (End of 4th Generation Permit2028).

Copies of pertinent CIP budget sheets for the FY22 budget cycle are provided with this submittal as Attachment 2. While funding beyond FY22 still requires County Council approval, the budget sheets do show projected costs for out years.

10. Provide a copy of your operating budget for annual restoration projects (FY2020).

In general restoration projects are funded from the County's CIP budget; however, the operating budget does fund certain NPDES related efforts, such as salaries of County staff involved with running CIP projects and performing numerous NPDES related tasks, street sweeping, inlet cleaning, Watershed Enhancement Grants given to local non-profits for environmental restoration and public outreach efforts, inspection and maintenance of NPDES BMPs, NPDES required monitoring efforts, and updating and maintenance of the County's NPDES geodatabase. The County's Office of Community Sustainability utilizes operating budget funds to do many of its environmental initiatives, which include reimbursements for the County's septic pump out program, Cleanscapes program, working with commercial property owners to provide additional water quality on their sites, tree planting programs, and water quality monitoring. Copies of the FY22 operating budget General funds and Watershed Protection and Restoration funds are attached.

Please note that there are three files attached (Attachments 3, 4, and 5) that collectively provide the backup requested in Questions 10 and 11.

There are two files that add up to the Stormwater Management Division's operating budget, namely the "1000" (General Fund) (Attachment 3) and "7360" (Watershed Protection and Restoration Fund) (Attachment 4) sheets. The combination of these two fund sources covers any operating tasks that come out of the Stormwater Management Division, which includes BMP inspections, monitoring, geodatabase and reporting, pollutant load/reduction calculations, illicit discharge tracking and reporting, overall management and accounting for the NPDES program, salaries for Stormwater Management Division staff who do our NPDES oversight as well as staff who manage the County's various water quality restoration projects.

There is one separate file that is for the overall Watershed Protection and Restoration Fund (Attachment 5), which covers a portion of Bureau of Highways, Office of Community Sustainability, Howard Soil Conservation District, and the Stormwater Management Division. Therefore there is an overlap between the "7360" fund spreadsheet noted in the previous paragraph and the overall Watershed Protection and Restoration Fund spreadsheet noted in this paragraph. The overall Watershed Protection and Restoration Fund includes our Bureau of Highways pond crew for BMP maintenance and inlet cleaning, Office of Community Sustainability's various outreach efforts and support of their septic pumpout program, in addition to the multiple NPDES related efforts performed by the Stormwater Management Division noted in the previous paragraph.

11. Provide a copy of your operating and maintenance budget for all BMPs implemented under the MS4 permit? (FY2020)

The maintenance of BMPs implemented under the MS4 would be covered by several sources. One source is Bureau of Highways maintenance budget as they are responsible for mowing and routine maintenance for all County BMPs. The second source of maintenance funds is the Stormwater Management Division's capital budget where larger repairs for ponds and on-going inspection and maintenance of stream projects gets funded. Maintenance of tree planting sites is done by Department of Recreation and Parks as part of their normal work effort. Specific funds for the SWM Division and Department of Recreation and Parks is difficult to break out separately. Copies of the FY22 operating budget General funds and Watershed Protection and Restoration funds are attached. See explanation in Question 10 response for the budget sheets that have been attached (Attachments 3, 4, and 5).

It should be noted that with the introduction of ESD requirements, the number of BMPs in the County has grown exponentially, which in turn has significantly increased the inspection and maintenance costs for these BMPs countywide.

SECTION 3: RESTORATION PROJECT PORTFOLIO

Restoration Projects To Be Planned, Designed, and/or Constructed From The End Of 4th Generation Permit Through FY 2028

REST BMP ID	REST BMP TYPE ¹	BMP CLASS ¹	PERMA- NENT OR ANNUAL BMP	NUM BMP	DRAIN -AGE AREA (acres)	PE LENGTH (inches) RESTORED (feet)/ LANE MILES (miles)/ MASS LOADING (lbs)	TP REDUCTION (Ibs/year)	TSS REDUCTION (Ibs/year)	TN ⁶ REDUCTION (Ibs/year)	IMP ACRES (IA)	GREEN STORMWATER INFRASTRUC- TURE (GSI) CREDIT (IA X 0.35)	WATERSHED MANAGE- MENT (WM) CREDIT	TOTAL IMP ACRES (W/ GSI AND WM CREDITS)	IMPLEMEN- TATION COST	IMPLEMEN- TATION STATUS ²	PROJECTED IMPLEMEN- TATION YEAR	TMDL PARAMETER OR WQ OBJECTIVE ADDRESSED	GENERA
									Remaini	ing Unmet Re	estoration Obligation	ons from Previou	ıs Permit					
Annual Operational Program	ns (Unmet Obligations f	rom Previo	us Permit) ³ . ⁴															
Street Sweeping*		A	ANNUAL										0.00					
		А	ANNUAL										0.00					
		А	ANNUAL										0.00					
		А	ANNUAL										0.00					
		Α	ANNUAL										0.00					
Catch Basin Cleaning*		Α	ANNUAL										0.00					
		Α	ANNUAL										0.00					
		А	ANNUAL										0.00					
		А	ANNUAL										0.00					
		А	ANNUAL										0.00					
Septic Sytem Pumping		А	ANNUAL										0.00					
		А	ANNUAL										0.00					
		А	ANNUAL										0.00					
		А	ANNUAL										0.00					
		А	ANNUAL										0.00					
Subtotal Operations ³				0)		0.00	0.00	0.0	0.00)		0.00	\$	50			
Capital Projects (Unmet Obl	igations from Previous I	Permit Term	<u>ı)</u>							-								
													0.00					
													0.00					
													0.00					
				1														
Subtotal Capital				0)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	Ş	50			
Other (Unmet Obligations f	rom Previous Permit Ter	m)	•	T					T		T	T	1					
				ļ									0.00					
													0.00					
Subtotal Other				0			0.00								50			
Total of Remaining Obligation	ons from The Previous			0			0.00	0.00	0.0	0.00	0.00	0.00	0.00	\$	50			

Remaining Unmet Restoration Obligation from Previous 0

Howard County, Maryland

Restoration Project Portfolio

July 7, 2021 - Revised September 23, 2021

Annual Operational Programs

Required to be Maintained

from Previous Permit^{3,4}

Street Sweeping	A	ANNUAL	7	1,603,180.00	1,122.23	336,667.80	1,562.70	320.64		320.64	\$400,000	Complete	2020 IA, TP/TSS/TN Reduction	EIA and load reductions using 201
			7	4 702 402 22	1 247 60	274 204 70	1 727 40	256.40		256.40	¢ 400,000	Lin dan		only FY20 mass loading (lbs) resul
	A	ANNUAL	7	1,782,403.33	1,247.68	374,304.70	1,737.40			356.48		Construction	2021 IA, TP/TSS/TN Reduction	EIA and load reductions using 201 goal is to achieve an annual avera current permit (Permit # 21-DP-3 sweeping from 2011-2019 used to Target (Permit # 11-DP-3318). Est annual EIA target.
	A	ANNUAL	7	1,782,403.33	1,247.68	374,304.70	1,737.40			356.48	\$400,000		2022 IA, TP/TSS/TN Reduction	EIA and load reductions using 201 goal is to achieve an annual avera current permit (Permit # 21-DP-3 sweeping from 2011-2019 used to Target (Permit # 11-DP-3318). Est annual EIA target.
	A	ANNUAL	7	1,782,403.33	1,247.68	374,304.70	1,737.40	356.48		356.48	\$400,000	Planning	2023 IA, TP/TSS/TN Reduction	EIA and load reductions using 201 goal is to achieve an annual avera current permit (Permit # 21-DP-3 sweeping from 2011-2019 used to Target (Permit # 11-DP-3318). Est annual EIA target.
	A	ANNUAL	7	1,782,403.33	1,247.68	374,304.70	1,737.40	356.48		356.48	\$400,000	Planning	2024 IA, TP/TSS/TN Reduction	EIA and load reductions using 201 goal is to achieve an annual avera current permit (Permit # 21-DP-3 sweeping from 2011-2019 used to Target (Permit # 11-DP-3318). Est annual EIA target.
	A	ANNUAL	7	1,782,403.33	1,247.68	374,304.70	1,737.40	356.48		356.48	\$400,000	Planning	2025 IA, TP/TSS/TN Reduction	EIA and load reductions using 202 goal is to achieve an annual avera current permit (Permit # 21-DP-3 sweeping from 2011-2019 used t Target (Permit # 11-DP-3318). Est annual EIA target.
	A	ANNUAL	7	1,782,403.33	1,247.68	374,304.70	1,737.40	356.48		356.48	\$400,000	Planning	2026 IA, TP/TSS/TN Reduction	EIA and load reductions using 202 goal is to achieve an annual avera current permit (Permit # 21-DP-3 sweeping from 2011-2019 used t Target (Permit # 11-DP-3318). Est annual EIA target.
	A	ANNUAL	0					0.00		0.00		Planning	2027	The County has not projected stro 2027 at this time
	A	ANNUAL	0					0.00		0.00		Planning	2028	The County has not projected stree 2028 at this time
Storm Drain Vacuuming	A	ANNUAL	52	92,050.00	64.44	19,330.50	89.73	18.41		18.41	\$75,000	Complete	2020 IA, TP/TSS/TN Reduction	EIA and load reductions using 201 only FY20 mass loading (lbs) resul
	A	ANNUAL	101	379,874.83	265.91	79,773.72	370.28	75.97		75.97	\$75,000	Under Construction	2021 IA, TP/TSS/TN Reduction	EIA and load reductions using 20 goal is to achieve an annual avera current permit (Permit # 21-DP-3 cleaning from 2017-2019 used to Target (Permit # 11-DP-3318). Est annual EIA target.
		ANNUAL	101	379,874.83	265.91	79,773.72	370.28			75.97	\$75,000		2022 IA, TP/TSS/TN Reduction	EIA and load reductions using 20 goal is to achieve an annual avera current permit (Permit # 21-DP-3 cleaning from 2017-2019 used to Target (Permit # 11-DP-3318). Est annual EIA target.
	A	ANNUAL	101	379,874.83	265.91	79,773.72	370.28	75.97		75.97	\$75,000	Planning	2023 IA, TP/TSS/TN Reduction	EIA and load reductions using 20 goal is to achieve an annual avera current permit (Permit # 21-DP-3 cleaning from 2017-2019 used to Target (Permit # 11-DP-3318). Est annual EIA target.

g 2014 Accounting Guidance; reporting results.
2014 Accounting Guidance; planning
verage of 351.4 EIA by the end of the
OP-3318) to maintain the average of street
ed towards the County's 20% Restoration . Estimated mass loading (lbs) based on
2014 Accounting Guidance; planning
verage of 351.4 EIA by the end of the
OP-3318) to maintain the average of street
ed towards the County's 20% Restoration
. Estimated mass loading (lbs) based on
2014 Accounting Guidance; planning
verage of 351.4 EIA by the end of the
P-3318) to maintain the average of street
ed towards the County's 20% Restoration
. Estimated mass loading (lbs) based on
2014 Accounting Guidance; planning
verage of 351.4 EIA by the end of the
OP-3318) to maintain the average of street
ed towards the County's 20% Restoration
. Estimated mass loading (lbs) based on
2014 Accounting Guidance; planning
verage of 351.4 EIA by the end of the
OP-3318) to maintain the average of street
ed towards the County's 20% Restoration
. Estimated mass loading (lbs) based on
2014 Accounting Guidance; planning
verage of 351.4 EIA by the end of the
P-3318) to maintain the average of street
ed towards the County's 20% Restoration
. Estimated mass loading (lbs) based on
street sweeping implementation for
street sweeping implementation for
g 2014 Accounting Guidance; reporting results.
g 2014 Accounting Guidance; planning
verage of 67.8 EIA by the end of the
P-3318) to maintain the average of inlet
d towards the County's 20% Restoration
. Estimated mass loading (lbs) based on
g 2014 Accounting Guidance; planning
verage of 67.8 EIA by the end of the
OP-3318) to maintain the average of inlet
d towards the County's 20% Restoration
. Estimated mass loading (lbs) based on

ing 2014 Accounting Guidance; planning average of 67.8 EIA by the end of the -DP-3318) to maintain the average of inlet sed towards the County's 20% Restoration). Estimated mass loading (lbs) based on

r			4.04		265.04	70 770 70	270.20	75.07			75.07			
		A ANNUAL	101	379,874.83	265.91	79,773.72	370.28	75.97			75.97	\$75,000 Planning	2024 IA, TP/TSS/TN Reduction	EIA and load reductions using 20 goal is to achieve an annual avera
														current permit (Permit # 21-DP-3
														cleaning from 2017-2019 used to
														Target (Permit # 11-DP-3318). Est
														annual EIA target.
		A ANNUAL	101	379,874.83	265.91	79,773.72	370.28	75.97			75.97	\$75,000 Planning	2025 IA, TP/TSS/TN Reduction	EIA and load reductions using 20
														goal is to achieve an annual aver
														current permit (Permit # 21-DP-3
														cleaning from 2017-2019 used to
														Target (Permit # 11-DP-3318). Est
		A ANNUAL	101	379,874.83	265.91	79,773.72	370.28	75.97			75.97	\$75,000 Planning	2026 IA, TP/TSS/TN Reduction	annual EIA target. EIA and load reductions using 20
					200101	, , , , , , , , , , , , , , , , , , , ,	070120	, 515 /			, 0.07	<i>\$15,000</i> Hammy		goal is to achieve an annual aver
														current permit (Permit # 21-DP-3
														cleaning from 2017-2019 used to
														Target (Permit # 11-DP-3318). Est
		A ANNUAL	0					0.00			0.00	Diagoning	2027	annual EIA target. The County has not projected sto
		A ANNOAL	0									Planning	2027	for 2027 at this time
		A ANNUAL	0					0.00			0.00	Planning	2028	The County has not projected sto for 2028 at this time
Septic Sytem Pumping		A ANNUAL												
		A ANNUAL												
		A ANNUAL												
		A ANNUAL												
Subtotal Operations ³		A ANNUAL	100.7		1,466.9	440,067.0	2,042.6	419.1			419.1	\$3,325,000		
			100.7		1,400.9	440,007.0			Proposed to Replace	Annual Obligation		\$3,323,000		
								10/2010 (1			0.00			
											0.00			
											0.00			
											0.00			
Subtotal Capital	ual Obligations)		0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0		
Other (Proposed to Replace Ann Septic Sytem Pumping	ual Obligations)													
Septie Sytem Fullping														EIA using 2014 Accounting Guida
														under a comprehensive program,
														practice and credit is cumulative,
														continue to achieve 140.3 EIA by
														# 21-DP-3318) to maintain the su
														used towards the County's 20% R
			4 670											3318). This credit is projected to
Subtotal Other		A PERMANENT	4,678 4,678		0.00	0.00	0.00	140.30		0.00	140.30	Continuing	2015	has not projected septic pump-ou
Total of Obligations from			+,070		0.00	0.00	0.00	140.30	0.00	0.00	140.30	\$0		
Previous Permit That Must Be Continued			4,779		1,466.9	440,067.0	2,042.6	559.4	0.0	0.0	559.4	\$3,325,000		

ng 2014 Accounting Guidance; planning average of 67.8 EIA by the end of the DP-3318) to maintain the average of inlet ed towards the County's 20% Restoration). Estimated mass loading (lbs) based on ng 2014 Accounting Guidance; planning average of 67.8 EIA by the end of the -DP-3318) to maintain the average of inlet sed towards the County's 20% Restoration). Estimated mass loading (lbs) based on ng 2014 Accounting Guidance; planning average of 67.8 EIA by the end of the DP-3318) to maintain the average of inlet ed towards the County's 20% Restoration). Estimated mass loading (lbs) based on storm drain vacuuming implementation d storm drain vacuuming implementation uidance. Because the County operates ram, this is considered a permanent tive, not annual. The planning goal is to A by the end of the current permit (Permit ne sum of 2015-2019 septic pump-outs 0% Restoration Target (Permit # 11-DPto continue through 2026. The County np-outs for 2027 or 2028 at this time.

									Dr	ronosed	Restoration for the Next Permit						
Operational Programs ⁴									F1	oposeu							
Street Sweeping		A	ANNUAL														
		А	ANNUAL														
		A	ANNUAL														
		A	ANNUAL														
Catch Basin Cleaning		A	ANNUAL ANNUAL														
		A	ANNUAL														
		A	ANNUAL														
		А	ANNUAL														
		A	ANNUAL														
Septic Sytem Pumping		A	ANNUAL														
		A	ANNUAL ANNUAL														
		Α	ANNUAL														
		A	ANNUAL														
Subtotal Operations (up to	o 2026)⁵			0			0	0	0	0		0	\$0	D			
Capital Projects					T						r						
HO17ALN000063	OUT	A	PERMANENT	1 11.5		84.50		0.00	0.00	0.00		0.00) Complete	2019		non-qualifying outfall project
HO17ALN000069	STRE	A	PERMANENT	1 14.2		268.00		125,260.00	101.19	17.65		17.65) Complete		IA, TP/TSS/TN Reduction	protocols
HO18ALN000035 HO18ALN000092	STRE STRE	Δ	PERMANENT PERMANENT	1 35.7 1 4,745.0		757.03 2,686.82	143.47 257.00	735,765.60 668,000.00	1,439.07 550.19	89.37 80.06	0.00	89.37 80.06	\$694,682 \$2,445,033	2 Complete		IA, TP/TSS/TN Reduction IA, TP/TSS/TN Reduction	protocols protocols
HO18ALN000093	STRE	A	PERMANENT	1 1,644.7		1,942.00		681,456.29	271.26	64.49	0.00	64.49		5 Complete		IA, TP/TSS/TN Reduction	protocols
HO18ALN000096	STRE	A	PERMANENT	1 4.5		216.70	15.47	130,578.00	15.69	8.20	0.00	8.20		1 Complete		IA, TP/TSS/TN Reduction	protocols
HO18ALN000136	OUT	А	PERMANENT	1 300.9	94	75.65	0.00	0.00	0.00	0.00	0.00	0.00	\$50,000) Complete	2018		non-qualifying outfall project
HO18ALN000149	STRE	A	PERMANENT	1 2,486.4		4,923.00		362.70	52.62	130.64	0.00	130.64	\$4,779,000			IA, TP/TSS/TN Reduction	protocols
HO18ALN000150	STRE	A	PERMANENT	1 116.5		2,299.00	0.00	0.00	0.00	0.00		0.00		Complete	2018		cannot calculate; no protocol data
HO19ALN000130 HO19ALN000169	STRE STRE	A	PERMANENT PERMANENT	1 6.1 1 53.3		48.30 1,160.00	0.63 95.39	1,664.38 242,364.91	0.89 178.56	0.19 28.83	0.00	0.19 28.83	\$50,000 \$1,041,573	Complete		IA, TP/TSS/TN Reduction IA, TP/TSS/TN Reduction	protocols protocols
HO19ALN000109	STRE	Α	PERMANENT	1 1,273.2		5,753.00		2,729,886.53	1,969.65	274.53		20.03	\$3,950,296			IA, TP/TSS/TN Reduction	protocols
HO20ALN000153	OUT	A	PERMANENT	1 5.0)7	162.00		0.00	0.00	0.00		0.00		7 Complete	2019		non-qualifying outfall project
HO20ALN000154	OUT	А	PERMANENT	1 12.1	.9	100.00		0.00	0.00	0.00		0.00) Complete	2019		non-qualifying outfall project
HO20ALN000155	STRE	A	PERMANENT	1 139.0)6	2,400.00		360,618.96	306.66	50.82	0.00	50.82	\$1,496,196	- · ·		IA, TP/TSS/TN Reduction	protocols
HO20ALN000163	STRE	A	PERMANENT	1 16.8		79.70		77,580.00	9.32	4.99	0.00	4.99	\$1,979,072			IA, TP/TSS/TN Reduction	protocols
HO20ALN000171	OUT	A	PERMANENT	1 6.6		80.00		0.00	0.00	0.00		0.00	· · ·) Complete	2021		non-qualifying outfall project
HO21ALN000145 HO20ALN000141	STRE STRE	A	PERMANENT PERMANENT	1 897.3	51 97	676.00 271.30		167,648.00 67,272.74	30.45 14.77	13.52 5.43	0.00	13.52 5.43		2 Planning 7 Planning		IA, TP/TSS/TN Reduction IA, TP/TSS/TN Reduction	planning rate planning rate
HO21ALN000138	OUT	A	PERMANENT	1 18.5	., 3	123.00		26.19	8.98	2.65		2.65) Complete		IA, TP/TSS/TN Reduction	Designer's current protocol reduc
HO21ALN000137	STRE	A	PERMANENT	1 90		1,214.00		210,473.00	71.83	26.19		26.19	\$1,104,376	-		IA, TP/TSS/TN Reduction	Designer's current protocol reduc
HO18ALN000086	OUT	А	PERMANENT	1 32.9)4	36.00	2.45	8,938.73	1.92	0.72	0.00	0.72	\$45,000) Planning	2021	IA, TP/TSS/TN Reduction	planning rate
HO20ALN000173	STRE	A	PERMANENT	1 69		72.00		17,856.00	0.00	1.44	0.00	1.44) Planning		IA, TP/TSS/TN Reduction	planning rate
HO20ALN000140	STRE	A	PERMANENT	1 25.5	6	495.50		122,881.16	26.97	9.91		9.91		3 Complete		IA, TP/TSS/TN Reduction	planning rate
HO20ALN000174 HO19ALN000125	STRE STRE	A	PERMANENT PERMANENT	1 24.5	30	125.00 59.40		0.00 14,726.24	0.00 2.67	0.00 1.19	0.00	0.00 1.19	\$200,000 \$1,054,965	Complete	2020	IA, TP/TSS/TN Reduction	uncreditable planning rate
HO19ALN000125	OUT	A	PERMANENT	1 24.		175.20		43,447.27	7.89	3.50		3.50) Planning		IA, TP/TSS/TN Reduction	planning rate
HO19ALN000127	OUT	A	PERMANENT	1 0.8		322.70		80,024.87	14.53	6.45		6.45) Planning		IA, TP/TSS/TN Reduction	planning rate
HO20ALN000112	STRE	А	PERMANENT	1 583.1	.5	2,146.00	145.93	532,208.00	116.82	42.92	0.00	42.92	\$1,745,000) Planning	2022	IA, TP/TSS/TN Reduction	planning rate
HO20ALN000113	STRE	A	PERMANENT	1 6.4		172.00		42,656.00	9.36	3.44		3.44) Planning		IA, TP/TSS/TN Reduction	planning rate
HO21ALN000177	STRE	A	PERMANENT	1 51		438.00		108,624.00	23.84	8.76	0.00	8.76) Planning		IA, TP/TSS/TN Reduction	planning rate
HO21ALN000178	STRE	A	PERMANENT	1 39	.4	286.00		70,928.00	15.57	5.72		5.72) Planning		IA, TP/TSS/TN Reduction	planning rate
HO21ALN000179 HO20ALN000161	OUT STRE	<u>Α</u>	PERMANENT PERMANENT	1 1 192.3	3	92.00 349.20		22,816.00 86,596.27	5.01 19.01	1.84 6.98	0.00	1.84 6.98		Planning Planning		IA, TP/TSS/TN Reduction IA, TP/TSS/TN Reduction	planning rate planning rate
HO20ALN000181 HO21ALN000142	STRE	A A	PERMANENT	1 192.5		209.40		51,922.93	11.13	4.19	0.00	4.19	· · ·	Planning		IA, TP/TSS/TN Reduction	planning rate
HO20ALN000151	STRE	A	PERMANENT	1 89.6		581.10		144,111.91	26.17	11.62	0.00	11.62	\$1,648,920			IA, TP/TSS/TN Reduction	planning rate
HO18ALN000007	OUT	A	PERMANENT	1 1.3	32	228.50		56,658.08	9.40	4.57	0.00	4.57		5 Planning		IA, TP/TSS/TN Reduction	planning rate
HO21ALN000143	STRE	А	PERMANENT	1 1,235.0	00	3,467.00	235.76	859,816.00	156.16	69.34	0.00	69.34	\$3,095,465	5 Under	2023	IA, TP/TSS/TN Reduction	planning rate
								476 000 50					+ co= o= o	Construction			
HO21ALN000144	STRE STRE	A	PERMANENT	1 64.1 1 57.3		710.90 1,382.90		176,292.59 342,969.88	32.02 75.28	14.22 27.66		14.22 27.66	· · ·	2 Planning		IA, TP/TSS/TN Reduction	planning rate
HO19ALN000128 HO20ALN000124	STRE	Δ	PERMANENT PERMANENT	1 57.3		1,382.90		342,969.88 890,164.69	161.68	27.66		27.66	\$998,679 \$2,468,446	Planning		IA, TP/TSS/TN Reduction IA, TP/TSS/TN Reduction	planning rate planning rate
HO21ALN000120	STRE	A	PERMANENT	1 11,356.0		1,526.50		378,572.00	83.10	30.53		30.53) Planning		IA, TP/TSS/TN Reduction	planning rate
HO23ALN000180	STRE	A	PERMANENT	1		2,000.00		496,000.00	90.09	40.00		40.00	\$2,850,000	-		IA, TP/TSS/TN Reduction	planning rate; estimated LF
HO19APY100163	RFP	A	PERMANENT	0.2			0.50	882.20	1.72	0.30		0.30) Complete		IA, TP/TSS/TN Reduction	
HO19APY100166	RFP	A	PERMANENT	0.1		ļ]	0.25	441.10	0.86	0.15		0.15) Complete		IA, TP/TSS/TN Reduction	
HO18APY100048	RFP	A	PERMANENT	0.5			1.25	2,205.50	3.93	0.75		0.75		5 Complete		IA, TP/TSS/TN Reduction	
HO19APY100167 HO18APY100037	RFP	A	PERMANENT PERMANENT	0.7		<u> </u>	1.93	3,396.47 2,103.75	6.06	1.16 0.83		1.16) Complete) Complete		IA, TP/TSS/TN Reduction IA, TP/TSS/TN Reduction	
HO18APY100037 HO18APY100038	FPU UTC	<u>Α</u>	PERMANENT	0.7			1.34 0.35	2,103.75	1.15 1.59	0.83		0.83 0.20		Complete		IA, TP/TSS/TN Reduction	
HO18APY100039	RFP	A	PERMANENT	0.7	-		1.75	3,087.70	1.39	1.05		1.05) Complete		IA, TP/TSS/TN Reduction	
HO18APY100045	UTC	A	PERMANENT	0.5			0.25	103.00	1.13	0.14		0.14		3 Complete		IA, TP/TSS/TN Reduction	
HO18APY100049	FPU	A	PERMANENT	0.2			0.45	701.25	1.97	0.28		0.28		5 Complete		IA, TP/TSS/TN Reduction	
-			-		-	-						-	· ·	-	-		

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HO18APY100040	UTC	A PERMANENT	0.75	0.38	154.50	1.70	0.21	0.00	0.21	\$9,188 Complete	2018 IA, TP/TSS/TN Reduction	
HO19APY100169	RFP	A PERMANENT	0.10	0.25		1.03	0.15	0.00	0.15	\$1,278 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100170	RFP	A PERMANENT	0.17	0.42	742.37	1.75	0.25	0.00	0.25	\$1,813 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100171	RFP	A PERMANENT	0.19	0.48	839.41	1.98	0.29	0.00	0.29	\$1,822 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100172	RFP	A PERMANENT	0.16	0.40		0.27	0.24	0.00	0.24	\$2,482 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100173	RFP	A PERMANENT	0.13	0.33	585.78	1.38	0.20	0.00	0.20	\$2,365 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100174 HO19APY100175	RFP FPU	A PERMANENT A PERMANENT	0.14	0.36	628.57 16.55	1.45 0.05	0.21	0.00	0.21	\$1,920 Complete \$379 Complete	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
HO19APY100175	FPU	A PERMANENT	1.54	2.74		12.77	1.69	0.00	1.69	\$1,200 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100176	RFP	A PERMANENT	0.35	0.87	1,539.88	0.69	0.52	0.00	0.52	\$4,502 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100177	UTC	A PERMANENT	0.07	0.03	13.74	0.15	0.02	0.00	0.02	\$2,203 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100178	FPU	A PERMANENT	0.18	0.33	512.19	1.22	0.20	0.00	0.20	\$417 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100195	RFP	A PERMANENT	0.43	1.08	1,897.17	0.85	0.65	0.00	0.65	\$2,954 Complete	2019 IA, TP/TSS/TN Reduction	
HO20APY100344	RFP	A PERMANENT	0.43	1.08	,	0.85	0.65	0.00	0.65	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100164	RFP	A PERMANENT	2.09	5.23		21.75	3.14	0.00	3.14	\$7,730 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100194 HO19APY100205	RFP FPU	A PERMANENT A PERMANENT	0.36	0.90	,	1.55 1.89	0.54	0.00	0.54	\$3,492 Complete \$2,912 Complete	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
HO19APY100203	RFP	A PERMANENT	0.40	1.00		3.44	0.20	0.00	0.20	\$6,958 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100208	RFP	A PERMANENT	4.00	10.00		31.46	6.00	0.00	6.00	\$6,958 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100193	RFP	A PERMANENT	0.24	0.60		2.44	0.36	0.00	0.36	\$2,954 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100198	UTC	A PERMANENT	0.25	0.13	51.50	0.57	0.07	0.00	0.07	\$3,005 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100199	RFP	A PERMANENT	0.15	0.38	661.65	0.30	0.23	0.00	0.23	\$2,542 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100189	FPU	A PERMANENT	1.23	2.19		8.21	1.35	0.00	1.35	\$16,294 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100206	UTC	A PERMANENT	0.23	0.12	47.38	0.10	0.06	0.00	0.06	\$2,845 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100191 HO19APY100204	FPU UTC	A PERMANENT A PERMANENT	0.22	0.39	617.10 140.08	1.73 0.65	0.24	0.00	0.24	\$2,522 Complete \$6,122 Complete	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
HO19APY100204 HO19APY100190	UTC	A PERMANENT	0.70	0.35	140.08	1.59	0.19	0.00	0.19	\$10,699 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100202	RFP	A PERMANENT	0.53	1.33		1.05	0.80	0.00	0.80	\$4,562 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100200	RFP	A PERMANENT	0.52	1.30	,	3.81	0.78	0.00	0.78	\$2,848 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100207	FPU	A PERMANENT	0.35	0.62	981.75	2.34	0.39	0.00	0.39	\$3,891 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100201	UTC	A PERMANENT	0.72	0.36		0.69	0.20	0.00	0.20	\$4,745 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100203	UTC	A PERMANENT	0.40	0.20		0.91	0.11	0.00	0.11	\$6,394 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100179	RFP	A PERMANENT	0.16	0.40		1.67	0.24	0.00	0.24	\$1,633 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100180 HO19APY100181	FPU UTC	A PERMANENT A PERMANENT	0.05	0.09		0.39	0.06	0.00	0.06	\$676 Complete \$5,359 Complete	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
HO19APY100182	FPU	A PERMANENT	0.26	0.46		2.05	0.12	0.00	0.29	\$3,227 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100183	RFP	A PERMANENT	0.81	2.03		3.48	1.22	0.00	1.22	\$11,335 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100184	RFP	A PERMANENT	0.29	0.73		0.57	0.44	0.00	0.44	\$3,330 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100185	UTC	A PERMANENT	0.25	0.13	51.50	0.57	0.07	0.00	0.07	\$2,923 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100186	FPU	A PERMANENT	0.25	0.45		2.07	0.28	0.00	0.28	\$2,927 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100187	FPU	A PERMANENT	0.41	0.73	· · · · ·	2.74	0.45	0.00	0.45	\$2,207 Complete	2019 IA, TP/TSS/TN Reduction	
HO19APY100188 HO19APY100196	UTC RFP	A PERMANENT A PERMANENT	0.33	0.17	67.98 2,514.27	0.77 5.79	0.09	0.00	0.09	\$2,225 Complete \$8,428 Complete	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
HO19APY100198	RFP	A PERMANENT	0.70	1.43		6.03	1.05	0.00	1.05	\$11,303 Complete	2019 IA, TP/TSS/TN Reduction	
HO20APY100347	RFP	A PERMANENT	1.24	3.10		10.68	1.86	0.00	1.86	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO20APY100348	UTC	A PERMANENT	0.58	0.29		0.95	0.16	0.00	0.16	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO20APY100341	RFP	A PERMANENT	0.03	0.06	110.28	0.26	0.04	0.00	0.04	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO20APY100346	UTC	A PERMANENT	0.52	0.26		0.85	0.15	0.00	0.15	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO20APY100349	FPU	A PERMANENT	0.25	0.45		1.97	0.28	0.00	0.28	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO20APY100352	UTC	A PERMANENT	0.25	0.13		0.24	0.07	0.00	0.07	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO20APY100353 HO20APY100338	UTC RFP	A PERMANENT A PERMANENT	1.38 0.87	0.69		1.32 1.48	0.39	0.00	0.39	\$0 Complete \$0 Complete	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
HO20APY100338 HO20APY100355	FPU	A PERMANENT	0.29	0.52		1.48	0.32	0.00	1.30 0.32	\$0 Complete	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
HO20APY100350	UTC	A PERMANENT	1.10	0.52		2.48	0.31	0.00	0.31	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO20APY100351	RFP	A PERMANENT	0.33	0.83		0.65	0.50	0.00	0.50	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO20APY100354	RFP	A PERMANENT	0.25	0.63		1.83	0.38	0.00	0.38	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO20APY100345	UTC	A PERMANENT	0.66	0.33		1.08	0.19	0.00	0.19	\$0 Complete	2020 IA, TP/TSS/TN Reduction	
HO20APY100337	UTC	A PERMANENT	0.02	0.01		0.03	0.00	0.00	0.00	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO20APY100339	RFP	A PERMANENT	0.13	0.33		1.04	0.20	0.00	0.20	\$0 Complete	2020 IA, TP/TSS/TN Reduction	
HO20APY100340	RFP	A PERMANENT	0.05	0.13		0.53	0.08	0.00	0.08	\$0 Complete	2020 IA, TP/TSS/TN Reduction	
HO20APY100336 HO20APY100342	RFP RFP	A PERMANENT A PERMANENT	0.08	0.21	369.14 513.82	0.87	0.13	0.00	0.13	\$0 Complete \$0 Complete	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
HO20APY100342	RFP	A PERMANENT	0.12	0.17		0.57	0.17	0.00	0.10	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO20APY100329	RFP	A PERMANENT	0.21	0.54		0.42	0.32	0.00	0.32	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO20APY100356	FPU	A PERMANENT	0.41	0.73		0.89	0.45	0.00	0.45	\$0 Complete	2020 IA, TP/TSS/TN Reduction	
HO20APY100332	RFP	A PERMANENT	0.04	0.10	179.29	0.42	0.06	0.00	0.06	\$0 Complete	2011 IA, TP/TSS/TN Reduction	Project added from FY20 databas applied toward the restoration re permit rather than changing the f generation permit.
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requirement of the 5th generation	
ne final treatment under the 4th	

HO13APY000847	UTC	A P	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000852	UTC	A P	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000854	UTC	A P	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000857	UTC	A P	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000858	UTC	A P	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000859	UTC	A P	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000860	UTC	A P	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000865	UTC	A P	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000866	UTC		PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000868	UTC	A P	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000708	UTC	A P	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO20APY100333	RFP	A P	ERMANENT	0.43	1.07	1,889.26	4.46	0.64	0.00	0.64	\$0 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000332	FPU	A P	PERMANENT	0.01	0.02	28.05	0.08	0.01	0.00	0.01	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000005	UTC	A P	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000006	UTC	A P	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000152	UTC	A P	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000167	UTC	AP	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000170	UTC	A P	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.

HO13APY000171	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000172	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000173	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000174	UTC	A PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000274	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000280	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000281	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000282	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000283	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000284	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000301	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000318	UTC	A PERMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000319	UTC	A PERMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000320	UTC	A PERMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000321	UTC	A PERMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000322	UTC	A PERMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000323	UTC	A PERMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000328	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.

HO13APY000329	UTC	A P	ERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000541	UTC	A P	ERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000018	UTC	A P	ERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000019	UTC	A P	ERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000033	UTC	A P	ERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000034	UTC	A P	ERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000035	UTC	A P	ERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000038	UTC		ERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000039	UTC		ERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000040	UTC	A P	ERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000042	UTC	A P	ERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000050	UTC	A P	ERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000051	UTC	A P	ERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000052	UTC	A P	ERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000068	UTC	A P	ERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000085	UTC	A P	ERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000086	UTC	A P	ERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000087	UTC	A P	ERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.

HO13APY000088	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000089	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000090	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000091	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000092	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000093	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000094	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000095	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000105	UTC	A PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000106	UTC	A PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000107	UTC	A PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000108	UTC	A PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000109	UTC	A PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000110	UTC	A PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000111	UTC	A PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000112	UTC	A PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000113	UTC	A PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000114	UTC	A PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.

HO13APY000125	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000126	UTC	A	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000127	UTC	A	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000128	UTC	A	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000129	UTC	A	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000130	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000133	UTC	A	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000145	UTC		PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000218	UTC		PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000234	UTC		PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000237	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000253	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000257	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000503	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000508	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000515	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000562	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000603	UTC	A	PERMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.

HO13APY000664	UTC	A PER	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000677	UTC	A PER	RMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000678	UTC	A PER	RMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000686	UTC	A PER	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000687	UTC	A PER	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000688	UTC	A PER	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000825	UTC	A PER	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000829	UTC		RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO13APY000833	UTC		RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000457	UTC	A PER	RMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000371	UTC	A PER	RMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000387	UTC	A PER	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000416	UTC	A PER	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000468	UTC	A PER	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000536	UTC	A PER	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000577	UTC	A PER	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000578	UTC	A PER	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000579	UTC	A PER	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.

HO14APY000657	UTC	A PE	RMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000646	UTC	A PE	RMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000647	UTC	A PE	RMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000648	UTC	A PE	RMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000649	UTC	A PE	RMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000676	UTC	A PE	RMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000682	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000683	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000695	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000882	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000908	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000802	UTC	A PE	RMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000726	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000885	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000886	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY000887	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY002529	FPU	A PE	RMANENT	0.03	0.05	81.43	0.23	0.03	0.00	0.03	\$400 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY002513	RFP	A PE	RMANENT	0.05	0.13	233.47	0.54	0.08	0.00	0.08	\$240 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.

HO14APY002527	RFP	A PERMANENT	0.29	0.72	1,270.24	2.93	0.43	0.00	0.43	\$1,500 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY002296	UTC	A PERMANENT	0.03	0.02	7.17	0.08	0.01	0.00	0.01	\$600 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY002299	UTC	A PERMANENT	0.10	0.05	19.85	0.22	0.03	0.00	0.03	\$660 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO14APY002517	UTC	A PERMANENT	0.02	0.01	5.14	0.06	0.01	0.00	0.01	\$440 Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001216	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001211	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001242	UTC	A PERMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001243	UTC	A PERMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001244	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001245	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001249	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001250	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001253	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001301	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001302	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001303	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001304	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001305	UTC	A PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.

HO15APY001306	UTC	AI	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001307	UTC	AI	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001308	UTC	AI	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001309	UTC	AI	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001310	UTC	AI	PERMANENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001312	UTC	AI	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001313	UTC	AI	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001322	UTC		PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001329	UTC		PERMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001330	UTC		PERMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001331	UTC	AI	PERMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001332	UTC	AI	PERMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001267	UTC	AI	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$58 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001268	UTC	AI	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001269	UTC	AI	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001270	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001271	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001272	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.

HO15APY001273	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001274	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001097	FPU	A PE	RMANENT	0.01	0.02	28.05	0.01	0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001098	FPU	A PE	RMANENT	0.01	0.02	28.05	0.01	0.01	0.00	0.01	\$58 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001099	FPU	A PE	RMANENT	0.01	0.02	28.05	0.01	0.01	0.00	0.01	\$68 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001100	FPU	A PE	RMANENT	0.01	0.02	28.05	0.01	0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001094	RFP	A PE	RMANENT	0.01	0.03	44.11	0.02	0.02	0.00	0.02	\$68 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001095	RFP	A PE	RMANENT	0.01	0.03	44.11	0.02	0.02	0.00	0.02	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001096	RFP		RMANENT	0.01	0.03	44.11	0.02	0.02	0.00	0.02	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY000991	UTC	A PE	RMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY000995	UTC	A PE	RMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY000996	UTC	A PE	RMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001101	UTC	A PE	RMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$58 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001102	UTC	A PE	RMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$68 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001103	UTC	A PE	RMANENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001087	FPU	A PE	RMANENT	0.01	0.02	28.05	0.06	0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001088	FPU	A PE	RMANENT	0.01	0.02	28.05	0.06	0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001089	FPU	A PE	RMANENT	0.01	0.02	28.05	0.06	0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.

HO15APY001090	FPU	A PE	RMANENT	0.01	0.02	28.05	0.06	0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001091	FPU	A PE	RMANENT	0.01	0.02	28.05	0.06	0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001092	FPU	A PE	RMANENT	0.01	0.02	28.05	0.06	0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001093	FPU	A PE	RMANENT	0.01	0.02	28.05	0.06	0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY000974	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY000975	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$58 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY000976	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$58 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY000977	UTC		RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001042	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001045	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001157	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001158	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001159	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001160	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001161	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001164	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001165	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001166	UTC	A PE	RMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.

HO15APY001167	UTC	A PERMANENT	0.01	0.01	2.06	0.02 0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001127	FPU	A PERMANENT	0.01	0.02	28.05	0.08 0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001128	FPU	A PERMANENT	0.01	0.02	28.05	0.08 0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001129	FPU	A PERMANENT	0.01	0.02	28.05	0.08 0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001130	FPU	A PERMANENT	0.01	0.02	28.05	0.08 0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001131	FPU	A PERMANENT	0.01	0.02	28.05	0.08 0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001132	FPU	A PERMANENT	0.01	0.02	28.05	0.08 0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001133	FPU	A PERMANENT	0.01	0.02	28.05	0.08 0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001134	FPU	A PERMANENT	0.01	0.02	28.05	0.08 0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001135	FPU	A PERMANENT	0.01	0.02	28.05	0.08 0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001136	FPU	A PERMANENT	0.01	0.02	28.05	0.08 0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001137	FPU	A PERMANENT	0.01	0.02	28.05	0.08 0.01	0.00	0.01	\$68 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001138	FPU	A PERMANENT	0.01	0.02	28.05	0.08 0.01	0.00	0.01	\$68 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001139	FPU	A PERMANENT	0.01	0.02	28.05	0.08 0.01	0.00	0.01	\$68 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001140	FPU	A PERMANENT	0.01	0.02	28.05	0.08 0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001141	FPU	A PERMANENT	0.01	0.02	28.05	0.08 0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001142	FPU	A PERMANENT	0.01	0.02	28.05	0.08 0.01	0.00	0.01	\$68 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001143	FPU	A PERMANENT	0.01	0.02	28.05	0.08 0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.

HO15APY001144	FPU	A PERMA	NENT	0.01	0.02	28.05	0.08	0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001145	FPU	A PERMA	NENT	0.01	0.02	28.05	0.08	0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001146	FPU	A PERMA	NENT	0.01	0.02	28.05	0.08	0.01	0.00	0.01	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001007	UTC	A PERMA	NENT	0.01	0.01	2.06	0.00	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001021	UTC	A PERMA	NENT	0.01	0.01	2.06	0.01	0.00	0.00	0.00	\$58 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001022	UTC	A PERMA	NENT	0.01	0.01	2.06	0.01	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001023	UTC	A PERMA	NENT	0.01	0.01	2.06	0.01	0.00	0.00	0.00	\$68 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001024	UTC	A PERMA	NENT	0.01	0.01	2.06	0.01	0.00	0.00	0.00	\$68 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001026	UTC	A PERMA	NENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001029	UTC	A PERMA	NENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001030	UTC	A PERMA	NENT	0.00	0.00	0.78	0.01	0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001073	UTC	A PERMA	NENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001074	UTC	A PERMA	NENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001075	UTC	A PERMA	NENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001076	UTC	A PERMA	NENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001077	UTC	A PERMA	NENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$53 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001078	UTC	A PERMA	NENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001079	UTC	A PERMA	NENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.

HO15APY001080	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015	IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th
HO15APY001081	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015	i IA, TP/TSS/TN Reduction	generation permit. Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001082	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$53 Complete	2015	IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001112	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$68 Complete	2015	IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001113	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$68 Complete	2015	A, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001114	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015	iA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15APY001115	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015	IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generatior permit rather than changing the final treatment under the 4th generation permit.
HO15APY001116	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015	iA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generatior permit rather than changing the final treatment under the 4th generation permit.
HO15APY001147	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$60 Complete	2015	iA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generatior permit rather than changing the final treatment under the 4th generation permit.
HO15APY001148	UTC	A	PERMANENT	0.01	0.01	2.06	0.02	0.00	0.00	0.00	\$68 Complete	2015	iA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generatior permit rather than changing the final treatment under the 4th generation permit.
HO20APY100334	RFP	A	PERMANENT	0.50	1.25	2,205.50	0.99	0.75	0.00	0.75	\$0 Complete	2017	IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generatior permit rather than changing the final treatment under the 4th generation permit.
HO20APY100335	RFP	A	PERMANENT	0.50	1.25	2,205.50	0.99	0.75	0.00	0.75	\$0 Complete	2017	IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generatior permit rather than changing the final treatment under the 4th generation permit.
HO19APY100320	IMPP	Α	PERMANENT	0.06		300.79	0.29	0.04	0.00	0.04	\$450 Complete		IA, TP/TSS/TN Reduction	
HO19APY100321 HO21APY100607	IMPP IMPP	A	PERMANENT PERMANENT	0.06		300.79 435.06	0.29	0.04	0.00	0.04	\$666 Complete \$0 Complete		IA, TP/TSS/TN Reduction	
HO21APY100608	IMPP	A	PERMANENT	0.10		546.33	0.44	0.07	0.00	0.07	\$0 Complete		IA, TP/TSS/TN Reduction	
HO21APY100609	IMPP	A	PERMANENT	0.09		458.47	0.37	0.06	0.00	0.06	\$0 Complete		IA, TP/TSS/TN Reduction	
HO21APY100619	IMPP	A	PERMANENT	0.05		251.10	0.20	0.03	0.00	0.03	\$0 Complete		IA, TP/TSS/TN Reduction	
HO21APY100611 HO21APY100620	IMPP IMPP	A	PERMANENT PERMANENT	0.14		747.78 155.26	0.60	0.10	0.00	0.10	\$0 Complete \$0 Planning		IA, TP/TSS/TN Reduction	
HO21APY100617	IMPP	A	PERMANENT	0.01		41.71	0.03	0.01	0.00	0.01	\$0 Planning		IA, TP/TSS/TN Reduction	
HO21APY100618	IMPP	А	PERMANENT	0.02		126.27	0.10	0.02	0.00	0.02	\$0 Planning		IA, TP/TSS/TN Reduction	
HO21APY100612 HO21APY100613	IMPP IMPP	A	PERMANENT PERMANENT	0.02		93.71 97.77	0.07	0.01	0.00	0.01	\$0 Planning \$0 Planning		IA, TP/TSS/TN Reduction IA, TP/TSS/TN Reduction	
HO21APY100614	IMPP	A	PERMANENT	0.02		102.57	0.08	0.01	0.00	0.01	\$0 Planning		IA, TP/TSS/TN Reduction	
HO21APY100615	IMPP	A	PERMANENT	0.01			0.03	0.01	0.00	0.01	\$0 Planning		IA, TP/TSS/TN Reduction	
HO21APY100616	IMPP	A	PERMANENT	0.03		151.86	0.12	0.02	0.00	0.02	\$0 Planning		IA, TP/TSS/TN Reduction	
HO21APY100610 HO18RST902744	IMPP MRNG	A F	PERMANENT PERMANENT	0.09 1 0.15		494.68 164.58	0.39	0.07 0.09	0.00	0.07	\$0 Planning \$0 Complete		IA, TP/TSS/TN Reduction IA, TP/TSS/TN Reduction	
HO18RST902745	MRNG	E	PERMANENT	1 0.15			0.81	0.06	0.02	0.08	\$0 Complete		IA, TP/TSS/TN Reduction	
HO18RST902747	MRNG	E	PERMANENT	1 0.15			0.30	0.06	0.02	0.08	\$0 Complete		IA, TP/TSS/TN Reduction	
HO18RST902740 HO18RST902616	MRNG MRNG	E	PERMANENT PERMANENT	1 0.15		106.90 196.29	0.72	0.03	0.01	0.05	\$0 Complete		IA, TP/TSS/TN Reduction	
HO18RST902616 HO18RST902160	SPSC	<u> </u>	PERIMANENT	1 0.15 1 35.74		26,742.42	99.08	0.15 10.55	0.05	0.20	\$497 Complete \$100,000 Complete		IA, TP/TSS/TN Reduction	
HO18RST902737	MRNG	E	PERMANENT	1 0.15		93.49	0.65	0.04	0.01	0.05	\$0 Complete		IA, TP/TSS/TN Reduction	
10101001002/07							0.00	0.0.	0101	0.05	Solcomplete	2018	A, IP/ISS/IN Reduction	

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HO18RST902742	MRNG	E PERMANENT	1 0.15 1.00	0.09	152.07	0.52	0.04		0.05			8 IA, TP/TSS/TN Reduction
HO18RST902746	MRNG	E PERMANENT	1 0.15 1.00	0.08	142.41	0.29	0.05		0.07	-		8 IA, TP/TSS/TN Reduction
HO18RST902683	MRNG	E PERMANENT	1 0.15 1.00	0.06	222.54	1.05	0.15		0.20			8 IA, TP/TSS/TN Reduction
HO18RST902680	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15	0.05	0.20	\$1,200	Complete 201	8 IA, TP/TSS/TN Reduction
HO18RST902743	MRNG	E PERMANENT	1 0.15 1.00	0.08	98.21	0.70	0.03	0.01	0.03	\$0	Complete 201	8 IA, TP/TSS/TN Reduction
HO18RST902161	MRNG	E PERMANENT	1 0.02 1.00	0.01	33.57	0.08	0.02	0.01	0.02	\$3,500	Complete 201	8 IA, TP/TSS/TN Reduction
HO18RST902686	MRNG	E PERMANENT	1 0.15 1.00	0.08	307.00	0.75	0.15	0.05	0.20	\$398	Complete 201	8 IA, TP/TSS/TN Reduction
HO18RST902162	MRNG	E PERMANENT	1 0.11 1.00	0.07	86.99	0.34	0.01	0.00	0.01	\$2,400	Complete 201	8 IA, TP/TSS/TN Reduction
HO18RST902090	MRNG	E PERMANENT	1 0.15 1.00	0.06	222.54	1.05	0.15	0.05	0.20	\$0	Complete 201	8 IA, TP/TSS/TN Reduction
HO18RST902094	MRNG	E PERMANENT	1 0.15 1.00	0.06	222.54	1.05	0.15	0.05	0.20	\$0	Complete 201	8 IA, TP/TSS/TN Reduction
HO18RST902163	MRNG	E PERMANENT	3 2.16 1.00	1.19	1,216.55	9.55	0.16	0.06	0.22	\$22,100	Complete 201	8 IA, TP/TSS/TN Reduction
HO19RST902068	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15	0.05	0.20	\$0	Complete 201	.8 IA, TP/TSS/TN Reduction
HO19RST902108	MRNG	E PERMANENT	1 0.15 1.00	0.06	222.54	1.05	0.15	0.05	0.20	\$0	Complete 201	8 IA, TP/TSS/TN Reduction
HO19RST902749	MRNG	E PERMANENT	1 0.15 1.00	0.09	145.14	0.50	0.03		0.04			8 IA, TP/TSS/TN Reduction
HO19RST902750	MRNG	E PERMANENT	1 0.15 1.00	0.08	76.01	0.59	0.02	0.01	0.02		· · ·	8 IA, TP/TSS/TN Reduction
HO19RST902295	MRNG	E PERMANENT	1 0.20 1.00	0.10	101.11	0.78	0.02		0.03			8 IA, TP/TSS/TN Reduction
HO19RST902297	MRNG	E PERMANENT	1 0.14 1.00	0.07	86.72	0.59	0.04	0.01	0.05	\$12,200	Complete 201	8 IA, TP/TSS/TN Reduction
HO19RST902691	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15		0.20		· · · · · · · · · · · · · · · · · · ·	8 IA, TP/TSS/TN Reduction
HO19RST902748	MRNG	E PERMANENT	1 0.15 1.00	0.10	112.79	0.46	0.01		0.01			8 IA, TP/TSS/TN Reduction
HO19RST902693	MRNG	E PERMANENT	1 0.15 1.00	0.06	222.54	1.05	0.15		0.20			8 IA, TP/TSS/TN Reduction
HO19RST902021	MRNG	E PERMANENT	1 0.15 1.00	0.06	222.54	1.05	0.15		0.20			8 IA, TP/TSS/TN Reduction
HO19RST902022	MRNG	E PERMANENT	1 0.15 1.00	0.06	222.54	1.05	0.15		0.20		· · · · · · · · · · · · · · · · · · ·	8 IA, TP/TSS/TN Reduction
HO19RST902296	MRNG	E PERMANENT	1 0.19 1.00	0.09	142.4	0.89	0.13		0.09			8 IA, TP/TSS/TN Reduction
H019RST902300	MRNG	E PERMANENT	1 4.99 1.00	2.61	2,102.66	18.28	0.13		0.17		· · · · · · · · · · · · · · · · · · ·	8 IA, TP/TSS/TN Reduction
HO19RST902689	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15		0.20		· · · · · · · · · · · · · · · · · · ·	8 IA, TP/TSS/TN Reduction
HO19RST902690	MRNG	E PERMANENT	1 0.15 1.00	0.06	222.54	1.05	0.13		0.20			.8 IA, TP/TSS/TN Reduction
HO19RST902090	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.13		0.20		· · ·	.8 IA, TP/TSS/TN Reduction
HO19RST902083	MRNG	E PERMANENT	1 0.13 1.00	0.08	196.29	0.97	0.13		0.20			8 IA, TP/TSS/TN Reduction
HO20RST109800	MMBR	E PERMANENT	1 0.15 1.00	0.08	196.29	0.99	0.03		0.20	· · ·		.8 IA, TP/TSS/TN Reduction
HO19RST902051	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.93	0.13		0.20			8 IA, TP/TSS/TN Reduction
HO19RST902051					196.29							8 IA, TP/TSS/TN Reduction
	MRNG MIDW	E PERMANENT E PERMANENT	1 0.15 1.00 1 0.08 1.00	0.06	196.29	0.97	0.15 0.15		0.20			.8 IA, TP/TSS/TN Reduction
HO19RST902762												
HO19RST902688	MRNG	E PERMANENT		0.06	222.54	1.05	0.15		0.20			8 IA, TP/TSS/TN Reduction
HO19RST902687	MRNG	E PERMANENT	1 0.15 1.00	0.08	307.00	0.75	0.15		0.20			8 IA, TP/TSS/TN Reduction
HO19RST902303	MRNG	E PERMANENT	1 2.74 1.00	1.78	1,865.50	8.05	0.02		0.02		· · · · · · · · · · · · · · · · · · ·	8 IA, TP/TSS/TN Reduction
HO19RST902301	MIBR	E PERMANENT	1 0.01 1.00	0.06	195.83	0.92	0.13		0.18			8 IA, TP/TSS/TN Reduction
HO19RST902073	MRNG	E PERMANENT	1 0.15 1.00	0.06	222.54	1.05	0.15		0.20			8 IA, TP/TSS/TN Reduction
HO19RST902079	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15		0.20			8 IA, TP/TSS/TN Reduction
HO19RST902125	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15		0.20		· · · · · · · · · · · · · · · · · · ·	8 IA, TP/TSS/TN Reduction
HO19RST902302	MRNG	E PERMANENT	1 0.47 0.50	0.18	329.71	1.93	0.11		0.14			8 IA, TP/TSS/TN Reduction
HO19RST902703	MRNG	E PERMANENT	1 0.15 1.00	0.08	307.00	0.75	0.15		0.20			8 IA, TP/TSS/TN Reduction
HO19RST902024	MRNG	E PERMANENT	1 0.15 1.00	0.06	222.54	1.05	0.15		0.20			8 IA, TP/TSS/TN Reduction
HO19RST902036	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15		0.20			8 IA, TP/TSS/TN Reduction
HO19RST902057	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15		0.20		· · · · · · · · · · · · · · · · · · ·	8 IA, TP/TSS/TN Reduction
HO19RST902146	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15		0.20			8 IA, TP/TSS/TN Reduction
HO19RST902751	MRNG	E PERMANENT	1 0.15 1.00	0.08	98.17	0.70	0.03		0.03			8 IA, TP/TSS/TN Reduction
HO19RST902032	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15		0.20		· · · · · · · · · · · · · · · · · · ·	8 IA, TP/TSS/TN Reduction
HO19RST902033	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15		0.20		· · · · · · · · · · · · · · · · · · ·	8 IA, TP/TSS/TN Reduction
HO19RST902070	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15		0.20			8 IA, TP/TSS/TN Reduction
HO19RST902071	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15		0.20		· · · · · · · · · · · · · · · · · · ·	8 IA, TP/TSS/TN Reduction
HO19RST902133	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.99	0.15		0.20		· · · · · · · · · · · · · · · · · · ·	8 IA, TP/TSS/TN Reduction
HO19RST902692	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15		0.20	· · ·		8 IA, TP/TSS/TN Reduction
HO19RST902694	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.99	0.15		0.20			8 IA, TP/TSS/TN Reduction
HO19RST902700	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15		0.20		· · · · · · · · · · · · · · · · · · ·	.8 IA, TP/TSS/TN Reduction
HO19RST902697	MRNG	E PERMANENT	1 0.15 1.00	0.08	307.00	0.75	0.15		0.20			8 IA, TP/TSS/TN Reduction
HO19RST902698	MRNG	E PERMANENT	1 0.15 1.00	0.08	307.00	0.75	0.15		0.20		· · · · · · · · · · · · · · · · · · ·	8 IA, TP/TSS/TN Reduction
HO19RST902696	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15	0.05	0.20	\$394	Complete 201	8 IA, TP/TSS/TN Reduction
HO19RST902307	MRNG	E PERMANENT	1 0.14 1.00	0.08	71.50	0.56	0.02	0.01	0.02	\$6,875	Complete 201	8 IA, TP/TSS/TN Reduction
HO19RST902699	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15	0.05	0.20	\$394	Complete 201	8 IA, TP/TSS/TN Reduction
HO19RST902695	MRNG	E PERMANENT	1 0.15 1.00	0.06	222.54	1.05	0.15	0.05	0.20	\$564	Complete 201	8 IA, TP/TSS/TN Reduction
HO20RST109768	MMBR	E PERMANENT	1 0.15 1.00	0.06	196.29	0.99	0.15	0.05	0.20			8 IA, TP/TSS/TN Reduction
HO19RST902701	MRNG	E PERMANENT	1 0.15 1.00	0.06	222.54		0.15		0.20		· · · · · · · · · · · · · · · · · · ·	8 IA, TP/TSS/TN Reduction
HO19RST902707	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15		0.20			8 IA, TP/TSS/TN Reduction
HO19RST902702	MRNG	E PERMANENT	1 0.15 1.00	0.06	196.29	0.97	0.15		0.20		· · · · · · · · · · · · · · · · · · ·	8 IA, TP/TSS/TN Reduction
HO19RST902705	MRNG	E PERMANENT	1 0.15 1.00	0.07	294.09	0.75	0.15		0.20			9 IA, TP/TSS/TN Reduction
HO19RST902706	MRNG	E PERMANENT	1 0.15 1.00	0.07	294.09	0.75	0.15		0.20			9 IA, TP/TSS/TN Reduction
HO20RST109759	MSWB	E PERMANENT	1 0.47 1.00	0.23	354.47	2.21	0.13		0.25			9 IA, TP/TSS/TN Reduction
HO03RST900354	FBIO	S PERMANENT	1 8.50 1.00	5.15	9,568.67	30.69	2.80		2.80			9 IA, TP/TSS/TN Reduction
			1 0.15 1.00	0.06	196.29	0.97	0.15		0.20			9 IA, TP/TSS/TN Reduction
	MRNG	F IDERMANIENT			130.23	0.57	0.13	0.03	0.20	ې040	201	
HO19RST902710	MRNG	E PERMANENT							0.20	¢211	Complete 201	9 1A TP/TSS/TN Reduction
HO19RST902710 HO19RST902708	MRNG	E PERMANENT	1 0.15 1.00	0.06	222.54	1.05	0.15		0.20			9 IA, TP/TSS/TN Reduction
HO19RST902710								0.01	0.04	\$0	Complete 201	9 IA, TP/TSS/TN Reduction 9 IA, TP/TSS/TN Reduction 9 IA, TP/TSS/TN Reduction

HO20RST109717	MRNG	E	PERMANENT	1 0.08	1.00	0.04	63.70	0.42	0.02	0.01	0.03	\$5,038 Complete	2019 IA, TP/TSS/TN Reduction	
HO20RST902754	MRNG	E	PERMANENT	1 0.15	1.00	0.08	110.27	0.74	0.04	0.01	0.05	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO20RST902755	MRNG	E	PERMANENT	1 0.15	1.00	0.08	138.63	0.57	0.03	0.01	0.04	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO20RST109720	MRNG	E	PERMANENT	1 0.23	1.00	0.12	137.49	0.97	0.05	0.02	0.07	\$8,262 Complete	2019 IA, TP/TSS/TN Reduction	
HO20RST109721	MRNG	E	PERMANENT	2 0.29	1.00	0.15	138.49	1.12	0.03	0.01	0.03	\$7,745 Complete	2019 IA, TP/TSS/TN Reduction	
HO20RST109724	MRNG	E	PERMANENT	1 0.13	1.00	0.08	169.77	0.51	0.06	0.02	0.08	\$9,124 Complete	2019 IA, TP/TSS/TN Reduction	
HO20RST109757	MMBR	E	PERMANENT	1 0.15	1.00	0.07	294.09	0.75	0.15	0.05	0.20	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO20RST109758	MMBR	E	PERMANENT	1 0.92	1.00	0.48	380.62	3.35	0.01	0.01	0.02	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO18RST902757	FBIO	S	PERMANENT	1 0.71	1	0.36	613.99	3.74	0.27	0.00	0.27	\$0 Complete	2018 IA, TP/TSS/TN Reduction	
HO18RST102187	PWET	S	PERMANENT	1 24.26	2.6	1.57	3,442.68		7.30	0.00	7.30	\$152,980 Complete	2018 IA, TP/TSS/TN Reduction	
HO17RST900345	PWET	S	PERMANENT	2 18.45	0.69	6.74	10,839.87	45.93	2.94	0.00	2.94	\$1,159,787 Complete	2018 IA, TP/TSS/TN Reduction	
HO19RST901545	PWET	S	PERMANENT	1 22.63	0.81	10.31	19,471.13		4.17	0.00	4.17	\$1,295,021 Complete	2019 IA, TP/TSS/TN Reduction	
HO19RST901524	PWET	S	PERMANENT	1 9.95	2.6	4.5	6,360.89	27.89	2.25	0.00	2.25	\$746,735 Complete	2019 IA, TP/TSS/TN Reduction	
HO19RST900349	WSHW	S	PERMANENT	1 24.3	0.37	5.69	12,497.79	46.43	4.88	0.00	4.88	\$862,459 Complete	2019 IA, TP/TSS/TN Reduction	
HO19RST902444	MMBR	E	PERMANENT	1 2.26	1	0	0	0.00	0.00	0.00	0.00	\$0 Complete	2019 IA, TP/TSS/TN Reduction	
HO18RST901548	PWED	S	PERMANENT	1 23.91	1	0	0	0.00	7.47	0.00	7.47	\$738,635 Complete	2019 IA, TP/TSS/TN Reduction	
HO20RST109863	PMED	S	PERMANENT	1 33.61	0.38	9.35	18,479.71	55.69	4.64	0.00	4.64	\$500,000 Complete	2020 IA, TP/TSS/TN Reduction	
HO20RST103435	PWED	S	PERMANENT	1 58.88	1.48	2.44	4,770.12	10.13	1.76	0.00	1.76	\$1,420,946 Under	2021 IA, TP/TSS/TN Reduction	
												Construction		
HO20RST900323	PWET	S	PERMANENT	1 76.54	0.27	12.84	23,283.05	78.70	6.52	0.00	6.52	\$1,823,182 Planning	2022 IA, TP/TSS/TN Reduction	
HO18RST901518	SPSC	А	PERMANENT	1 37.17	1.34	17.7	31,953.80	100.37	11.15	0.00	11.15	\$1,178,099 Under	2021 IA, TP/TSS/TN Reduction	
												Construction		
HO18RST901523	MSGW	E	PERMANENT	1 41.93	2.6	2.36	3,773.56	11.20	0.62	0.00	0.62	\$902,696 Planning	2023 IA, TP/TSS/TN Reduction	
HO18RST901522	PWET	S	PERMANENT	1 69.07	0.31	15.52	27,785.12	111.69	6.15	0.00	6.15	\$2,103,967 Planning	2022 IA, TP/TSS/TN Reduction	
HO20RST901526	PWET	S	PERMANENT	1 57.62	0.13	6.6	12,492.88	29.71	1.23	0.00	1.23	\$923,784 Planning	2023 IA, TP/TSS/TN Reduction	
HO21RST901527	PWET	S	PERMANENT	1 34.58	0.83	11.25	26,622.97	51.88	9.61	0.00	9.61	\$1,164,747 Under	2021 IA, TP/TSS/TN Reduction	
												Construction		
HO20RST109732	MRNG	E	PERMANENT	1 0.15	1.00	0.06	196.29	0.97	0.15	0.00	0.15	\$0 Complete	2010 IA, TP/TSS/TN Reduction	Project added from FY20 database applied toward the restoration re permit rather than changing the f generation permit.
HO20RST109733	MRNG	E	PERMANENT	1 0.15	1.00	0.06	196.29	0.97	0.15	0.00	0.15	\$0 Complete	2010 IA, TP/TSS/TN Reduction	Project added from FY20 database applied toward the restoration re permit rather than changing the f generation permit.
HO20RST109734	MRNG	E	PERMANENT	1 0.15	1.00	0.06	196.29	0.97	0.15	0.00	0.15	\$0 Complete	2010 IA, TP/TSS/TN Reduction	Project added from FY20 database applied toward the restoration re permit rather than changing the f generation permit.
HO20RST109735	MRNG	E	PERMANENT	1 0.15	1.00	0.06	196.29	0.97	0.15	0.00	0.15	\$0 Complete	2010 IA, TP/TSS/TN Reduction	Project added from FY20 database applied toward the restoration re permit rather than changing the f generation permit.
HO20RST109736	MRNG	E	PERMANENT	1 0.15	1.00	0.06	196.29	0.97	0.15	0.00	0.15	\$0 Complete	2010 IA, TP/TSS/TN Reduction	Project added from FY20 database applied toward the restoration re permit rather than changing the f generation permit.
HO20RST109737	MRNG	E	PERMANENT	1 0.15	1.00	0.06	196.29	0.97	0.15	0.00	0.15	\$0 Complete	2010 IA, TP/TSS/TN Reduction	Project added from FY20 database applied toward the restoration re permit rather than changing the f generation permit.
HO20RST109738	MRNG	E	PERMANENT	1 0.15	1.00	0.06	196.29	0.97	0.15	0.00	0.15	\$0 Complete	2010 IA, TP/TSS/TN Reduction	Project added from FY20 database applied toward the restoration re permit rather than changing the f generation permit.
HO20RST109739	MRNG	E	PERMANENT	1 0.15	1.00	0.06	196.29	0.97	0.15	0.00	0.15	\$0 Complete	2010 IA, TP/TSS/TN Reduction	Project added from FY20 database applied toward the restoration re permit rather than changing the f generation permit.
HO20RST109740	MRNG	E	PERMANENT	1 0.15	1.00	0.08	307.00	0.75	0.15	0.00	0.15	\$0 Complete	2010 IA, TP/TSS/TN Reduction	Project added from FY20 database applied toward the restoration re permit rather than changing the f generation permit.
HO20RST109741	MRNG	E	PERMANENT	1 0.15	1.00	0.06	196.29	0.97	0.15	0.00	0.15	\$0 Complete	2010 IA, TP/TSS/TN Reduction	Project added from FY20 database applied toward the restoration re permit rather than changing the f generation permit.
HO20RST109742	MRNG	E	PERMANENT	1 0.15	1.00	0.06	196.29	0.97	0.15	0.00	0.15	\$0 Complete	2010 IA, TP/TSS/TN Reduction	Project added from FY20 database applied toward the restoration re permit rather than changing the f generation permit.

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HO20RST109743	MRNG	E	PERMANENT	1 0	0.15 1.00	0.06	196.29	0.97	0.15	0.00	0.15	\$0	Complete	2010 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th
HO20RST109744	MRNG	E	PERMANENT	1 0	0.15 1.00	0.06	196.29	0.97	0.15	0.00	0.15	\$0	Complete	2010 IA, TP/TSS/TN Reduction	generation permit. Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th
HO20RST109745	MRNG	E	PERMANENT	1 0	0.15 1.00	0.06	196.29	0.97	0.15	0.00	0.15	\$0	Complete	2010 IA, TP/TSS/TN Reduction	generation permit. Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th
HO20RST109746	MRNG	E	PERMANENT	1 0	0.15 1.00	0.06	196.29	0.97	0.15	0.00	0.15	\$0	Complete	2010 IA, TP/TSS/TN Reduction	generation permit. Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO20RST109747	MRNG	E	PERMANENT	1 0	0.15 1.00	0.06	196.29	0.97	0.15	0.00	0.15	\$0	Complete	2010 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO20RST109748	MRNG	E	PERMANENT	1 0	0.15 1.00	0.08	307.00	0.75	0.15	0.00	0.15	\$0	Complete	2010 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO20RST109749	MRNG	E	PERMANENT	1 0	0.15 1.00	0.06	196.29	0.97	0.15	0.00	0.15	\$0	Complete	2010 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO20RST109750	MRNG	E	PERMANENT	1 0	0.15 1.00	0.08	307.00	0.75	0.15	0.00	0.15	\$0	Complete	2010 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO20RST109776	ODSW	S	PERMANENT	1 5	5.00 1.00	2.03	9,922.62	27.84	5.00	0.00	5.00	\$0	Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO20RST109764	MIDW	E	PERMANENT	1 0	0.15 1.00	0.06	297.68	0.84	0.15	0.00	0.15	\$0	Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO20RST109765	MIDW	E	PERMANENT	1 0	0.15 1.00	0.06	297.68	0.84	0.15	0.00	0.15	\$0	Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO20RST109766	MIDW	E	PERMANENT	1 0	0.15 1.00	0.06	297.68	0.84	0.15	0.00	0.15	\$0	Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO20RST109767	MMBR	E	PERMANENT	1 0	0.15 1.00	0.06	196.29	0.97	0.15	0.00	0.15	\$0	Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO19RST108440	PWED	S	PERMANENT	1 55	5.35 1.00	21.79	34,408.24	143.43	16.30	0.00	16.30	\$O	Complete	2013 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO20RST109752	FBIO	S	PERMANENT	1 0	0.21 1.00	0.11	84.57	0.76	0.00	0.00	0.00	\$0	Complete	2014 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO15RST900314	FBIO	S	PERMANENT	1 0	0.22 1.00	0.12	455.61	1.11	0.22	0.00	0.22	\$100,000	Complete	2015 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO20RST109815	MMBR	E	PERMANENT	1 0	0.15 1.00	0.06	222.54	1.05	0.15	0.00	0.15	\$0	Complete	2017 IA, TP/TSS/TN Reduction	Project added from FY20 database cleanup efforts. Credit is being applied toward the restoration requirement of the 5th generation permit rather than changing the final treatment under the 4th generation permit.
HO20APY100621	CLTM	A	PERMANENT	1 0	0.11	0.06	0.00	0.41	0.04	0.00	0.04	\$8,621	Complete	2019 IA, TP/TSS/TN Reduction	
HO20APY100622	CLTM		PERMANENT	1 0	0.08	0.04	0.00	0.32	0.03	0.00	0.03	\$7,245	Complete	2019 IA, TP/TSS/TN Reduction	
HO22RST902771			PERMANENT	1		0.00	0.00	0.00	0.00	0.00	0.00	\$7,346,931	-	2022 Flood control	
HO20RST901543		S	PERMANENT	1		0.00	0.00	0.00	0.00	0.00	0.00	\$20,180,758	Planning	2023 Flood control	

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HO23RST902773 D1164-FY2013 COMMUNITY	5	PERMANENT	1	0.00	0.00	0.00	0.00	0.00		0.00	\$3,554,091 Planning \$400,000 Under	2023 Flood control 2020 Education, Outreach, IA, TP/TSS/TN Reduction	This project is for design and construction of Environmental Site Design
ENVIRONMENTAL							T			T	Construction	2020 Education, Outreach, IA, TP/TSS/TN Reduction	(ESD) small scale storm water facilities by local non-profit, Howard
PARTNERSHIPS											Construction		
D1164-FY2013 COMMUNITY	+						1			1	\$400,000 Under	2021 Education, Outreach, IA, TP/TSS/TN Reduction	EcoWorks.
							T			T		2021 Education, Outreach, IA, TP/TSS/TN Reduction	This project is for design and construction of Environmental Site Design
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											<u> </u>		EcoWorks.
D1164-FY2013 COMMUNITY							1			1	\$400,000 Design	2022 Education, Outreach, IA, TP/TSS/TN Reduction	This project is for design and construction of Environmental Site Design
ENVIRONMENTAL													(ESD) small scale storm water facilities by local non-profit, Howard
PARTNERSHIPS													EcoWorks.
D1164-FY2013 COMMUNITY							1			1	\$400,000 Planning	2023 Education, Outreach, IA, TP/TSS/TN Reduction	This project is for design and construction of Environmental Site Design
ENVIRONMENTAL													(ESD) small scale storm water facilities by local non-profit, Howard
PARTNERSHIPS													EcoWorks.
D1164-FY2013 COMMUNITY							1			1	\$400,000 Planning	2024 Education, Outreach, IA, TP/TSS/TN Reduction	This project is for design and construction of Environmental Site Design
ENVIRONMENTAL													(ESD) small scale storm water facilities by local non-profit, Howard
PARTNERSHIPS													EcoWorks.
D1164-FY2013 COMMUNITY							1			1	\$400,000 Planning	2025 Education, Outreach, IA, TP/TSS/TN Reduction	This project is for design and construction of Environmental Site Design
ENVIRONMENTAL													(ESD) small scale storm water facilities by local non-profit, Howard
PARTNERSHIPS													EcoWorks.
D1164-FY2013 COMMUNITY							1			1	\$400,000 Planning	2026 Education, Outreach, IA, TP/TSS/TN Reduction	This project is for design and construction of Environmental Site Design
ENVIRONMENTAL							±			1	9 4 00,000 Hammig		(ESD) small scale storm water facilities by local non-profit, Howard
PARTNERSHIPS													EcoWorks.
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D1164-FY2013 COMMUNITY							1			Ť	\$400,000 Planning	2027 Education, Outreach, IA, TP/TSS/TN Reduction	This project is for design and construction of Environmental Site Design
ENVIRONMENTAL													(ESD) small scale storm water facilities by local non-profit, Howard
PARTNERSHIPS	+ · · · · · · · · · · · · · · · · · · ·												EcoWorks.
D1164-FY2013 COMMUNITY							1			1	\$400,000 Planning	2028 Education, Outreach, IA, TP/TSS/TN Reduction	This project is for design and construction of Environmental Site Design
ENVIRONMENTAL													(ESD) small scale storm water facilities by local non-profit, Howard
PARTNERSHIPS													EcoWorks.
Subtotal Capital (up to 2026)			184	4,204.3	11,173,850.7	7,175.3	1,332.7	3.3	0.0 1,3	336.0	\$90,841,970		
Other													
HO18APT007690	SEPC A	PERMANENT	1	0.00	0.00	0.00	0.23	0.00		0.23	\$10,000 Complete	2018 IA	
HO18APT007699	SEPC A	PERMANENT	1	0.00	0.00	0.00	0.23	0.00		0.23	\$12,850 Complete	2018 IA	
HO18APT007694	SEPC A	PERMANENT	1	0.00	0.00	0.00		0.00		0.23	\$20,000 Complete	2018 IA	
HO18APT007693	SEPC A	PERMANENT	1	0.00		0.00		0.00		0.23	\$14,360 Complete	2018 IA	
HO18APT007697	SEPC A	PERMANENT	1	0.00		0.00		0.00		0.23	\$20,000 Complete	2018 IA	
HO19APT008548	SEPC A	PERMANENT		0.00		0.00		0.00		0.23	\$0 Complete	2019 IA	
HO19APT008552	SEPC A	PERMANENT		0.00		0.00		0.00		0.23	\$0 Complete	2019 IA	
HO19APT008552	SEPC A	PERMANENT	1	0.00		0.00		0.00		0.23	\$0 Complete	2019 IA 2019 IA	
HO19APT008550	SEPC A	PERMANENT	1	0.00	0.00	0.00		0.00		0.23	\$0 Complete	2019 IA 2019 IA	
HO19APT008554	SEPC A	PERMANENT		0.00		0.00		0.00		0.23	\$0 Complete	2019 IA	
HO19APT008555	SEPC A	PERMANENT		0.00		0.00		0.00		0.23	\$0 Complete	2019 IA	
HO19APT008553	SEPC A	PERMANENT		0.00		0.00		0.00		0.23	\$0 Complete	2019 IA	
HO19APT008549	SEPC A	PERMANENT	1	0.00		0.00		0.00		0.23	\$0 Complete	2019 IA	
HO19APT008551	SEPC A	PERMANENT	1	0.00	0.00	0.00		0.00		0.23	\$0 Complete	2019 IA	
HO20APT009144	SEPC A	PERMANENT	1	0.00	0.00	0.00	0.23	0.00		0.23	\$12,000 Complete	2020 IA	
HO20APT009143	SEPC A	PERMANENT	1	0.00	0.00	0.00	0.23	0.00		0.23	\$12,000 Complete	2020 IA	
HO20APT009142	SEPC A	PERMANENT	1	0.00	0.00	0.00	0.23	0.00		0.23	\$12,000 Complete	2020 IA	
HO19APT008557	SEPD A	PERMANENT	1	0.00	0.00	0.00	0.16	0.00		0.16	\$0 Complete	2019 IA	
HO19APT008563	SEPD A	PERMANENT	1	0.00		0.00		0.00		0.16	\$5,700 Complete	2019 IA	
HO19APT008559	SEPD A	PERMANENT	1	0.00		0.00		0.00		0.16	\$0 Complete	2019 IA	
HO19APT008558	SEPD A	PERMANENT	1	0.00		0.00		0.00		0.16	\$0 Complete	2019 IA	
HO19APT008561	SEPD A	PERMANENT	1	0.00	0.00	0.00		0.00		0.10	\$0 Complete	2019 IA	
HO19APT008556	SEPD A			0.00		0.00		0.00		0.10	\$14,000 Complete	2019 IA 2019 IA	
		PERMANENT			0.001	0.00	0.10	0.00					
ΗΛΙΘΔΡΤΛΛΩΣΑΩ		PERMANENT				0.00	0 16	0 00		0 16	SUIL omniete	2019110	
HO19APT008568	SEPD A	PERMANENT		0.00	0.00	0.00		0.00		0.16	\$0 Complete	2019 IA	
HO19APT008562	SEPD A SEPD A	PERMANENT PERMANENT		0.00	0.00 0.00	0.00	0.16	0.00		0.16	\$0 Complete	2019 IA	
HO19APT008562 HO20APT009151	SEPDASEPDASEPDA	PERMANENT PERMANENT PERMANENT		0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00	0.16 0.16	0.00 0.00		0.16 0.16	\$0 Complete \$12,000 Complete	2019 IA 2019 IA	
HO19APT008562 HO20APT009151 HO19APT008560	SEPDASEPDASEPDASEPDA	PERMANENT PERMANENT PERMANENT PERMANENT	1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.16 0.16 0.16	0.00 0.00 0.00		0.16 0.16 0.16	\$0 Complete \$12,000 Complete \$0 Complete	2019 IA 2019 IA 2019 IA	
HO19APT008562 HO20APT009151 HO19APT008560 HO19APT008569	SEPDASEPDASEPDASEPDASEPDA	PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT	1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.16 0.16 0.16 0.16	0.00 0.00 0.00 0.00		0.16 0.16 0.16 0.16	\$0 Complete \$12,000 Complete \$0 Complete \$0 Complete	2019 IA 2019 IA 2019 IA 2019 IA 2019 IA	
HO19APT008562 HO20APT009151 HO19APT008560 HO19APT008569 HO19APT008567	SEPDASEPDASEPDASEPDASEPDASEPDASEPDA	PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT	1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.16 0.16 0.16 0.16 0.16	0.00 0.00 0.00 0.00 0.00		0.16 0.16 0.16	\$0 Complete \$12,000 Complete \$0 Complete \$0 Complete \$0 Complete	2019 IA 2019 IA 2019 IA 2019 IA 2019 IA	
HO19APT008562 HO20APT009151 HO19APT008560 HO19APT008569	SEPDASEPDASEPDASEPDASEPDA	PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.16 0.16 0.16 0.16 0.16	0.00 0.00 0.00 0.00		0.16 0.16 0.16 0.16	\$0 Complete \$12,000 Complete \$0 Complete \$0 Complete	2019 IA 2019 IA 2019 IA 2019 IA 2019 IA 2019 IA 2019 IA	
HO19APT008562 HO20APT009151 HO19APT008560 HO19APT008569 HO19APT008567	SEPDASEPDASEPDASEPDASEPDASEPDASEPDA	PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.16 0.16 0.16 0.16 0.16 0.16 0.16	0.00 0.00 0.00 0.00 0.00		0.16 0.16 0.16 0.16 0.16	\$0 Complete \$12,000 Complete \$0 Complete \$0 Complete \$0 Complete	2019 IA 2019 IA 2019 IA 2019 IA 2019 IA	
HO19APT008562 HO20APT009151 HO19APT008560 HO19APT008569 HO19APT008567 HO19APT008564	SEPDASEPDASEPDASEPDASEPDASEPDASEPDASEPDA	PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00	0.16 0.16 0.16 0.16 0.16 0.16 0.16	0.00 0.00 0.00 0.00 0.00 0.00		0.16 0.16 0.16 0.16 0.16 0.16	\$0 Complete \$12,000 Complete \$0 Complete \$0 Complete \$0 Complete \$0 Complete \$0 Complete	2019 IA 2019 IA 2019 IA 2019 IA 2019 IA 2019 IA 2019 IA	
HO19APT008562 HO20APT009151 HO19APT008560 HO19APT008569 HO19APT008567 HO19APT008564 HO19APT008566	SEPDASEPDASEPDASEPDASEPDASEPDASEPDASEPDASEPDASEPDA	PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16	0.00 0.00 0.00 0.00 0.00 0.00 0.00		0.16 0.16 0.16 0.16 0.16 0.16 0.16	\$0Complete\$12,000Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete	2019 IA 2019 IA 2019 IA 2019 IA 2019 IA 2019 IA 2019 IA 2019 IA	
HO19APT008562 HO20APT009151 HO19APT008560 HO19APT008569 HO19APT008567 HO19APT008564 HO19APT008566 HO19APT008565	SEPDASEPDASEPDASEPDASEPDASEPDASEPDASEPDASEPDASEPDASEPDASEPDASEPDASEPDA	PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16	\$0Complete\$12,000Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete	2019 IA	
HO19APT008562 HO20APT009151 HO19APT008560 HO19APT008569 HO19APT008567 HO19APT008564 HO19APT008566 HO19APT008565 HO20APT009145 HO20APT009146	SEPDA	PERMANENT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16	\$0Complete\$12,000Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$12,000Complete\$12,000Complete	2019 IA	
HO19APT008562 HO20APT009151 HO19APT008560 HO19APT008569 HO19APT008567 HO19APT008564 HO19APT008566 HO19APT008565 HO20APT009145 HO20APT009146 HO20APT009147	SEPDA	PERMANENT PERMANENT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16	\$0Complete\$12,000Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$12,000Complete\$12,000Complete\$12,000Complete	2019 IA	
HO19APT008562 HO20APT009151 HO19APT008560 HO19APT008569 HO19APT008567 HO19APT008564 HO19APT008566 HO19APT008565 HO20APT009145 HO20APT009146 HO20APT009147 HO20APT009152	SEPDA	PERMANENT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16	\$0Complete\$12,000Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete	2019 IA	
HO19APT008562 HO20APT009151 HO19APT008560 HO19APT008569 HO19APT008567 HO19APT008564 HO19APT008566 HO19APT008565 HO20APT009145 HO20APT009146 HO20APT009152 HO20APT009155	SEPDA	PERMANENT	1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16	\$0Complete\$12,000Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete	2019 IA	
HO19APT008562 HO20APT009151 HO19APT008560 HO19APT008569 HO19APT008567 HO19APT008566 HO19APT008566 HO19APT008565 HO20APT009145 HO20APT009146 HO20APT009147 HO20APT009155 HO20APT009155	SEPDA	PERMANENT	1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.16 0.16	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16	\$0Complete\$12,000Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete	2019 IA	
HO19APT008562 HO20APT009151 HO19APT008560 HO19APT008569 HO19APT008567 HO19APT008564 HO19APT008566 HO19APT008565 HO20APT009145 HO20APT009145 HO20APT009147 HO20APT009155 HO20APT009155 HO20APT009148 HO20APT009149	SEPDA	PERMANENT	1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.16 0.16	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16	\$0Complete\$12,000Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete	2019 IA	
HO19APT008562 HO20APT009151 HO19APT008560 HO19APT008569 HO19APT008567 HO19APT008566 HO19APT008566 HO19APT008565 HO20APT009145 HO20APT009145 HO20APT009147 HO20APT009152 HO20APT009155 HO20APT009148 HO20APT009149 HO20APT009150	SEPDA	PERMANENT	1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.16 0.16	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16	\$0Complete\$12,000Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete	2019 IA 2019 IA	
HO19APT008562 HO20APT009151 HO19APT008560 HO19APT008569 HO19APT008567 HO19APT008564 HO19APT008566 HO19APT008565 HO20APT009145 HO20APT009145 HO20APT009147 HO20APT009155 HO20APT009155 HO20APT009148 HO20APT009149	SEPDA	PERMANENT	1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.16 0.16	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16	\$0Complete\$12,000Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$0Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete\$12,000Complete	2019 IA	

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HO20APT009139	SEPD	A PERMANENT	1	0.00	0.00	0.00	0.16	0.00	0.16	\$12,000 Complete	2020 IA
HO20APT009140	SEPD	A PERMANENT	1	0.00	0.00	0.00	0.16	0.00	0.16	\$12,000 Complete	2020 IA
HO20APT009141	SEPD	A PERMANENT	1	0.00	0.00	0.00	0.16	0.00	0.16	\$12,000 Complete	2020 IA
HO18RST901845	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901863	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901897	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901904	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901858	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901859	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901865	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.02	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901867	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901869	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901872	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901876	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901877	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901879	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901881	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901883	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901885	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901891	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901907	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901910	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901912	MRWH MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901914	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction 2018 IA, TP/TSS/TN Reduction
HO18RST901926		E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	
HO18RST901927	MRWH MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901928 HO18RST901936	MRWH	E PERMANENT E PERMANENT	1 0.002 1 1 0.002 1	0.001	0.00	0.02	0.001	0.001	0.002	\$40 Complete \$40 Complete	2018 IA, TP/TSS/TN Reduction 2018 IA, TP/TSS/TN Reduction
H018RST901936 H018RST901940	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
	MRWH	E PERMANENT	1 0.002 1	0.001		0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901941 HO18RST901862	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
H018RST901862	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901888	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901878	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901900	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901902	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901910	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901901 HO18RST901922	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901922	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.00	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901894	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.00	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901995	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.00	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901919	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901919	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901939	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901843	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901845	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901848	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901849	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901849	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901851	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901852	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901855	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901855	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901868	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901888	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901873	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901882	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901886	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901888	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901892	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.02	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901898	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901899	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901908	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901918	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901920	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO18RST901921	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$40 Complete	2018 IA, TP/TSS/TN Reduction
HO19RST902318	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$25 Complete	2018 IA, TP/TSS/TN Reduction
HO19RST902322	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$25 Complete	2018 IA, TP/TSS/TN Reduction
HO19RST902332	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.00	0.001	0.001	0.002	\$25 Complete	2018 IA, TP/TSS/TN Reduction
HO19RST902334	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$25 Complete	2018 IA, TP/TSS/TN Reduction
HO19RST902359	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$25 Complete	2018 IA, TP/TSS/TN Reduction
HO19RST902381	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002	\$43 Complete	2018 IA, TP/TSS/TN Reduction
	1			1 0.001	0.00	0.01	5.501	0.001	0.002	¢ is complete	

1010057003282			1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.003	ć 4 D C	Complete 20	19 IA TD/TSS/TN Reduction
HO19RST902383 HO19RST902399	MRWH MRWH	E PERMANENT E PERMANENT	1 0.002 1 1 0.002 1	0.001	0.00	0.01	0.001 0.001	0.001 0.001	0.002			18 IA, TP/TSS/TN Reduction 18 IA, TP/TSS/TN Reduction
HO19RST902399	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902402	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002		•	18 IA, TP/TSS/TN Reduction
HO19RST902428	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902432	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002		•	18 IA, TP/TSS/TN Reduction
HO19RST902414	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902325	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$25 C	Complete 20:	18 IA, TP/TSS/TN Reduction
HO19RST902400	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$25 C	Complete 20:	18 IA, TP/TSS/TN Reduction
HO19RST902436	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902437	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.00	0.001	0.001	0.002		1	18 IA, TP/TSS/TN Reduction
HO19RST902179	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902187	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902190	MRWH	E PERMANENT E PERMANENT	1 0.002 1 1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902196 HO19RST902205	MRWH MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001 0.001	0.002			18 IA, TP/TSS/TN Reduction 18 IA, TP/TSS/TN Reduction
HO19RST902220	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902181	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902182	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002		1	18 IA, TP/TSS/TN Reduction
HO19RST902183	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902219	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 C	Complete 202	18 IA, TP/TSS/TN Reduction
HO19RST902174	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 C	Complete 20:	18 IA, TP/TSS/TN Reduction
HO19RST902175	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902199	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902210	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902211	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902212	MRWH MRWH	E PERMANENT E PERMANENT	1 0.002 1 1 0.002 1	0.001	0.00	0.01	0.001	0.001 0.001	0.002			18 IA, TP/TSS/TN Reduction 18 IA, TP/TSS/TN Reduction
HO19RST902346 HO19RST902376	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001 0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902396	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002		•	18 IA, TP/TSS/TN Reduction
HO19RST902415	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001		0.002			18 IA, TP/TSS/TN Reduction
HO19RST902435	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001		0.002			18 IA, TP/TSS/TN Reduction
HO19RST902169	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002		-	18 IA, TP/TSS/TN Reduction
HO19RST902173	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 C	Complete 20:	18 IA, TP/TSS/TN Reduction
HO19RST902184	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 C		18 IA, TP/TSS/TN Reduction
HO19RST902207	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902208	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902317	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.02	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902382	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902401	MRWH	E PERMANENT E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001 0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction 18 IA, TP/TSS/TN Reduction
HO19RST902404 HO19RST902342	MRWH MRWH	E PERMANENT	1 0.002 1 1 0.002 1	0.001	0.00	0.01	0.001	0.001 0.001	0.002			18 IA, TP/TSS/TN Reduction 18 IA, TP/TSS/TN Reduction
HO19RST902342	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902360	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902378	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902403	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902198	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 C	Complete 20:	18 IA, TP/TSS/TN Reduction
HO19RST902200	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 C		18 IA, TP/TSS/TN Reduction
HO19RST902203	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902167	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902168	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902171 HO19RST902172	MRWH MRWH	E PERMANENT E PERMANENT	1 0.002 1 1 0.002 1	0.001	0.00	0.01	0.001 0.001	0.001 0.001	0.002			18 IA, TP/TSS/TN Reduction 18 IA, TP/TSS/TN Reduction
HO19RST902172 HO19RST902176	MRWH	E PERMANENT	1 0.002 1 1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction 18 IA, TP/TSS/TN Reduction
HO19RST902176	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902178	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902185	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902189	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902180	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902255	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002		-	18 IA, TP/TSS/TN Reduction
HO19RST902257	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002		•	18 IA, TP/TSS/TN Reduction
HO19RST902282	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001		0.002			18 IA, TP/TSS/TN Reduction
HO19RST902247	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001		0.002			18 IA, TP/TSS/TN Reduction
HO19RST902249	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902251	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002		•	18 IA, TP/TSS/TN Reduction
HO19RST902259	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902264	MRWH	E PERMANENT E PERMANENT	1 0.002 1 1 0.002 1	0.001	0.00	0.01	0.001 0.001	0.001 0.001	0.002			18 IA, TP/TSS/TN Reduction 18 IA, TP/TSS/TN Reduction
HO19RST902270 HO19RST902283	MRWH MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction 18 IA, TP/TSS/TN Reduction
HO19RST902283	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002			18 IA, TP/TSS/TN Reduction
HO19RST902234	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002		•	18 IA, TP/TSS/TN Reduction
HO19RST902235	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001					18 IA, TP/TSS/TN Reduction
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HO19RST902237	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		3 IA, TP/TSS/TN Reduction
HO19RST902240	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	1	3 IA, TP/TSS/TN Reduction
HO19RST902243	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		3 IA, TP/TSS/TN Reduction
HO19RST902246 HO19RST902253	MRWH MRWH	E PERMANENT E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	· · · · · · · · · · · · · · · · · · ·	IA, TP/TSS/TN Reduction IA, TP/TSS/TN Reduction
HO19RST902253	MRWH	E PERMANENT	1 0.002 1 1 0.002 1	0.001	0.00	0.01	0.001	0.001 0.001	0.002	\$0 Cor \$0 Cor		3 IA, TP/TSS/TN Reduction 3 IA, TP/TSS/TN Reduction
HO19RST902280	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		3 IA, TP/TSS/TN Reduction
HO19RST902287	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		3 IA, TP/TSS/TN Reduction
HO19RST902241	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		IA, TP/TSS/TN Reduction
HO19RST902250	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		IA, TP/TSS/TN Reduction
HO19RST902254	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		IA, TP/TSS/TN Reduction
HO19RST902263	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	1	I A, TP/TSS/TN Reduction
HO19RST902265	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	•	3 IA, TP/TSS/TN Reduction
HO19RST902267	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		IA, TP/TSS/TN Reduction
HO19RST902272	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		B IA, TP/TSS/TN Reduction
HO19RST902277	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		IA, TP/TSS/TN Reduction
HO19RST902280	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	mplete 2018	IA, TP/TSS/TN Reduction
HO19RST902285	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	mplete 2018	IA, TP/TSS/TN Reduction
HO19RST902352	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$25 Cor	mplete 2018	IA, TP/TSS/TN Reduction
HO19RST902412	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$25 Cor	mplete 2018	IA, TP/TSS/TN Reduction
HO19RST902421	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$25 Cor	mplete 2018	IA, TP/TSS/TN Reduction
HO19RST902429	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$25 Cor	mplete 2018	IA, TP/TSS/TN Reduction
HO19RST902244	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	mplete 2018	BIA, TP/TSS/TN Reduction
HO19RST902262	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	1	BIA, TP/TSS/TN Reduction
HO19RST902266	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		BIA, TP/TSS/TN Reduction
HO19RST902268	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		3 IA, TP/TSS/TN Reduction
HO19RST902269	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		BIA, TP/TSS/TN Reduction
HO19RST902258	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	· · · · · · · · · · · · · · · · · · ·	3 IA, TP/TSS/TN Reduction
HO19RST902261	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		3 IA, TP/TSS/TN Reduction
HO19RST902242	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	•	3 IA, TP/TSS/TN Reduction
HO19RST902191	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001		0.002			3 IA, TP/TSS/TN Reduction
HO19RST902193	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001		0.002		1	3 IA, TP/TSS/TN Reduction
HO19RST902195	MRWH MRWH	E PERMANENT E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002		•	IA, TP/TSS/TN Reduction IA, TP/TSS/TN Reduction
HO19RST902188 HO19RST902202	MRWH	E PERMANENT	1 0.002 1 1 0.002 1	0.001	0.00	0.01	0.001 0.001	0.001 0.001	0.002	\$0 Cor	· ·	IA, TP/TSS/TN Reduction IA, TP/TSS/TN Reduction
HO19RST902202	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	1	IA, TP/TSS/TN Reduction
HO19RST902209	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		3 IA, TP/TSS/TN Reduction 3 IA, TP/TSS/TN Reduction
HO19RST902204	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		3 IA, TP/TSS/TN Reduction
HO19RST902186	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002	\$0 Cor		3 IA, TP/TSS/TN Reduction
HO19RST902194	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002			3 IA, TP/TSS/TN Reduction
HO19RST902201	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002	\$0 Cor	1	3 IA, TP/TSS/TN Reduction
HO19RST902238	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		B IA, TP/TSS/TN Reduction
HO19RST902166	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		A TP/TSS/TN Reduction
HO19RST902214	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	mplete 2018	IA, TP/TSS/TN Reduction
HO19RST902215	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	mplete 2018	IA, TP/TSS/TN Reduction
HO19RST902216	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	mplete 2018	IA, TP/TSS/TN Reduction
HO19RST902218	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	mplete 2018	IA, TP/TSS/TN Reduction
HO19RST902222	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	mplete 2018	BIA, TP/TSS/TN Reduction
HO19RST902227	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	1	BIA, TP/TSS/TN Reduction
HO19RST902232	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002	\$0 Cor		BIA, TP/TSS/TN Reduction
HO19RST902278	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002		•	BIA, TP/TSS/TN Reduction
HO19RST902279	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002		1	3 IA, TP/TSS/TN Reduction
HO19RST902281	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor	1	3 IA, TP/TSS/TN Reduction
HO19RST902217	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		3 IA, TP/TSS/TN Reduction
HO19RST902221	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		A TP/TSS/TN Reduction
HO19RST902256	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		3 IA, TP/TSS/TN Reduction
HO19RST902276	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		BIA, TP/TSS/TN Reduction
HO19RST902170	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		3 IA, TP/TSS/TN Reduction
HO19RST902192	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002		1	3 IA, TP/TSS/TN Reduction
HO19RST902197	MRWH MRWH	E PERMANENT E PERMANENT	1 0.002 1 1 0.002 1	0.001	0.00	0.01	0.001	0.001 0.001	0.002	\$0 Cor	•	IA, TP/TSS/TN Reduction IA, TP/TSS/TN Reduction
HO19RST902236 HO19RST902245	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001		0.002	\$0 Cor \$0 Cor		3 IA, TP/TSS/TN Reduction 3 IA, TP/TSS/TN Reduction
HO19RST902245	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001		0.002	\$0 Cor \$0 Cor	•	3 IA, TP/TSS/TN Reduction 3 IA, TP/TSS/TN Reduction
HO19RST902275	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002			IA, TP/TSS/TN Reduction IA, TP/TSS/TN Reduction
HO19RST902213	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002	\$0 Cor		3 IA, TP/TSS/TN Reduction 3 IA, TP/TSS/TN Reduction
HO19RST902225	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor \$0 Cor		3 IA, TP/TSS/TN Reduction 3 IA, TP/TSS/TN Reduction
HO19RST902288	MRWH	E PERMANENT	1 0.002 1	0.001	0.00	0.01	0.001	0.001	0.002	\$0 Cor		3 IA, TP/TSS/TN Reduction
HO19RST902289	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002	\$0 Cor		IA, TP/TSS/TN Reduction
HO19RST902290	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002	\$0 Cor	1	3 IA, TP/TSS/TN Reduction
HO19RST902292	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002	\$0 Cor		IA, TP/TSS/TN Reduction
HO19RST902239	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001	0.001	0.002	\$0 Cor	· · · · · · · · · · · · · · · · · · ·	3 IA, TP/TSS/TN Reduction
HO19RST902252	MRWH	E PERMANENT	1 0.002 1	0.001	0.00		0.001					3 IA, TP/TSS/TN Reduction
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Intersepond MNWH F PERMANENT I D.002 C C.001 C.001 D.001 D.000 D.0000 D.000 <thd.000< th=""> <thd.0< td=""><td>tete 2018 IA, TP/TSS/TN Reduction tete 2019 IA,</td></thd.0<></thd.000<>	tete 2018 IA, TP/TSS/TN Reduction tete 2019 IA,
D019510228 MKWH F PFMAMRINI I 0.000 0.001 0.001 0.001 0.002 SQ Complex D01955702230 MKWH E PEMAMRINI I 0.002 I 0.001 0.001 0.001 0.001 0.002 SQ Complex D01955702230 MKWH E PEMAMRINI I 0.002 I 0.001 0.001 0.001 0.001 0.002 SQ Complex D01955702230 MKWH E PEMAMRINI I 0.002 I 0.001 0.001 0.001 0.001 0.002 SQ Complex D0195570155 MKWH E PEMAMRINI I 0.002 I 0.001 0.001 0.001 0.001 0.002 I 0.001 0.001 0.001 0.001 0.001 0.002 I 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001	tte 2018 IA, TP/TSS/TN Reduction ete 2018 IA, TP/TSS/TN Reduction
HD39790229 MMW E PMMAREN J 0.002 1 0.001 0.001 0.001 0.001 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.000 0.001<	tete2018IA, TP/TSS/TN Reductiontete2018IA, TP/TSS/TN Reductiontete2019IA, TP/TSS/TN Reductiontete2019
HOUSINGLAD MEWIN E FFRMANITY 1 0.007 1 0.000 0.	the2018IA, TP/TSS/TN Reductionate2018IA, TP/TSS/TN Reductionate2019IA, TP/TSS/TN Reduction </td
IDD/SERV2231 MKWH F PPMAARINT S 0.007 S 0.001 0.001 0.001 0.000 0	tete2018IA, TP/TSS/TN Reductionete2018IA, TP/TSS/TN Reductionete2018IA, TP/TSS/TN Reductionete2018IA, TP/TSS/TN Reductionete2018IA, TP/TSS/TN Reductionete2018IA, TP/TSS/TN Reductionete2018IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction<
HO1985790226 MRWH F PERMANENT 1 0.002 1 0.001 0.001 0.001 0.002 SC complex HC1985790226 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.000	tete2018IA, TP/TSS/TN Reductiontete2018IA, TP/TSS/TN Reductiontete2018IA, TP/TSS/TN Reductiontete2018IA, TP/TSS/TN Reductiontete2018IA, TP/TSS/TN Reductiontete2019IA, TP/TSS/TN Reductiontete2019
HC1995100224 MRWH F. PEMMAMERT 1 0.002 1 0.001 0.001 0.001 0.000	tete2018IA, TP/TSS/TN Reductiontete2018IA, TP/TSS/TN Reductiontete2018IA, TP/TSS/TN Reductiontete2019IA, TP/TSS/TN Reductiontete2019
HC1985Y02165 MFWH E PERNANENT 1 0.002 1 0.001 0.001 0.001 0.000 90 complex H01985Y02223 MFWH E PERNANENT 1 0.002 1 0.001 0.001 0.001 0.000 90 complex H01985Y02233 MFWH E PERNANENT 1 0.002 1 0.001 0.001 0.001 0.000 0.002 92 complex H01985Y02230 MFWH E PERNANENT 1 0.002 1 0.000 0.001 0.001 0.000 0.002 52 complex H01985Y02230 MFWH E PERNANENT 1 0.002 1 0.000 0.00 0.001 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 <t< td=""><td>the2018IA, TP/TSS/TN Reductionete2018IA, TP/TSS/TN Reductionete2018IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction</td></t<>	the2018IA, TP/TSS/TN Reductionete2018IA, TP/TSS/TN Reductionete2018IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction
HOMENT E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.002 050 Complex HOUSPESTID2320 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 055 Complex HOUSPESTID2320 MRWH E PERMANENT 1 0.002 1 0.001 <t< td=""><td>the2018IA, TP/TSS/TN Reductionete2018IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction</td></t<>	the2018IA, TP/TSS/TN Reductionete2018IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction
HU3985702233 MIKH E PERMANENT 1 0.002 3 0.001 0.001 0.001 0.001 0.001 0.002 S2 Complet H03985702330 MIKH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 252 Complet H03985702336 MIKH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 252 Complet H03985702336 MIKH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 252 Complet H03985702360 MIKHH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 252 Complet H03985702360 MIKHH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.002 252 Complet H03985702360 MIKHH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.002 <td>ete2018IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction</td>	ete2018IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction
H0198TP02320 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.002 225 Completee H0198TP02326 MRWH E PERMANENT 1 0.002 1 0.001 0.0	ete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction
H11985792236 MRWH E PFMAMNENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 522 Complex H01985790236 MRWH E PFMAMNENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 522 Complex H01985790236 MRWH E PFMAMNENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 523 Complex H019857902367 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.001 0.002 233 Complex H019857902367 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 233 Complex H019857902367 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 233 Complex H019857902367 MRWH E PERMANENT 1 0.	ete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction
H019857902348 MFWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.002 9252 Complet H019857902360 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 9252 Complet H019857902360 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 9252 Complet H019857902360 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 9252 Complet H019857902387 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 9252 Complet H019857902316 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 9252 Complet H019857902310 MRWH E PERMANENT 1 0.002 1 0.001	ete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction
H01985702350 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 S25 Complet H01985702360 MRWH E PERMANENT 1 0.002 1 0.001 0.00 0.001 0.001 0.002 S25 Complet H01985702360 MRWH E PERMANENT 1 0.002 1 0.001 0.00 0.01 0.001 0.001 0.002 S25 Complet H01985702380 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 S35 Complet H01985702316 MRWH E PERMANENT 1 0.002 1 0.001 0.00 0.01 0.001 0.001 0.002 S38 Complet H01985702316 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 S38 Complet H01985702324 MRWH E	ete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction
H01985702362 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 \$55 Complet H01985702365 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 \$53 Complet H01985702367 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 \$53 Complet H01985702367 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 \$23 Complet H01985702366 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 \$33 Complet H01985702361 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.002 \$33 Complet 019857	ete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction
H019857902365 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 S35 Complet H019857902367 MRWH E PERMANENT 1 0.002 1 0.001 <	ete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction
H019RST902380 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 \$43 Complet H019RST902387 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 \$25 Complet H019RST902367 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 \$25 Complet H019RST902316 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 \$43 Complet H019RST902310 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 \$43 Complet H019RST902327 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 \$43 Complet H019RST902327 MRWH E PERMANENT 1 0.002 1 0.001 0.0	ete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction
H019RST902387 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 252 Complet H019RST902416 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 252 Complet H019RST902316 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 533 Complet H019RST902316 MRWH E PERMANENT 1 0.002 1 0.001 0.00 0.01 0.001 0.001 0.002 533 Complet H019RST902321 MRWH E PERMANENT 1 0.002 1 0.001 0.00 0.01 0.001 0.001 0.001 0.002 533 Complet H019RST902327 MRWH E PERMANENT 1 0.002 1 0.001 <th0.001< th=""> 0.001 0.001<!--</td--><td>ete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction</td></th0.001<>	ete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction
H019RST902416 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.002 \$\$\$ cmplet H019RST902316 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.002 \$\$\$\$\$ cmplet H019RST902316 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.002 \$\$\$\$\$\$ cmplet H019RST902321 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 \$\$\$\$\$\$\$\$\$ cmplet H019RST902324 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 \$\$\$\$\$\$\$\$ cmplet H019RST902327 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 \$\$\$\$\$\$\$\$\$\$ cmplet H019RST90238 MRWH E PERMANENT 1 <	ete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction
H019RST902316 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 \$43 Complet H019RST902319 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 \$43 Complet H019RST902321 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 \$43 Complet H019RST902324 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.001 0.002 \$43 Complet H019RST902327 MRWH E PERMANENT 1 0.002 1 0.001 0.00 0.01 0.001 0.001 0.002 \$43 Complet H019RST90238 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.001 0.002 \$43 Complet H019RST90238 MRWH	ete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction
H019R5T902319 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.002 \$43 Complet H019R5T902321 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 \$43 Complet H019R5T902324 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.001 0.002 \$43 Complet H019R5T902327 MRWH E PERMANENT 1 0.002 1 0.001 0.00 0.01 0.001 0.002 \$43 Complet H019R5T902328 MRWH E PERMANENT 1 0.002 1 0.001 0.00 0.001 0.001 0.002 \$43 Complet H019R5T902337 MRWH E PERMANENT 1 0.002 1 0.001 0.001 0.001 0.002 \$43 Complet H019R5T902344 M	ete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reductionete2019IA, TP/TSS/TN Reduction
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020RST109839 MRWI 020RST109840 MRWI 020RST109841 MRWI 020RST109842 MRWI	/H //H //H //H //H //H //H //H //H //H	E P E P E P E P	PERMANENT 1 0.002	2 1 2 1 2 1 2 1 2 1	. 0.001 . 0.001 . 0.001	1 0.00 1 0.00 1 0.00	0.01 0.01	0.001 0.001	0.001 0.001	0.002	\$115 Ca \$115 Ca	omplete omplete	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
020RST109839 MRWI 020RST109840 MRWI	/H /H	E P E P	PERMANENT 1 0.002 PERMANENT 1 0.002	2 1 2 1	. 0.001	0.00								
20RST109839 MRWI	/H	E P	PERMANENT 1 0.002	2 1			0.04		(1)()(1)1	0.000	044510	ITTOLETE		
D20RS1109838 MRWI	/H	E P				L 0.00	0.01	0.001	0.001	0.002	\$115 Co		2019 IA, TP/TSS/TN Reduction	
					. 0.001		0.01	0.001	0.001	0.002	\$314 CC \$115 Cc		2019 IA, TP/TSS/TN Reduction	
D20RST109837 MRWI D20RST902711 MRWI			PERMANENT 1 0.002 PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002	\$115 Co \$314 Co		2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
020RST109836 MRWI	/Н	E P	PERMANENT 1 0.002	2 1	. 0.001	0.00	0.01	0.001	0.001	0.002	\$115 Co	omplete	2019 IA, TP/TSS/TN Reduction	
D20RST109834 MRWI			PERMANENT 1 0.002 PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002	\$115 Cd \$115 Cd	· · · · · · · · · · · · · · · · · · ·	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
020RST109833 MRWI 020RST109834 MRWI			PERMANENT 1 0.002 PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002	\$115 Co \$115 Co	-	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
20RST109832 MRWI			PERMANENT 1 0.002	_	. 0.001	0.00	0.01	0.001	0.001	0.002	\$115 Co	omplete	2019 IA, TP/TSS/TN Reduction	
20RST109830 MRWI			PERMANENT 1 0.002 PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002	\$115 Cd \$115 Cd		2019 IA, TP/TSS/TN Reduction	
20RST109829 MRWI 20RST109830 MRWI			PERMANENT 1 0.002 PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002	\$115 Co \$115 Co		2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
20RST109828 MRWI			PERMANENT 1 0.002	_	. 0.001		0.01	0.001	0.001	0.002	\$115 Co	omplete	2019 IA, TP/TSS/TN Reduction	
20RST109755 MRWI			PERMANENT 1 0.002 PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002		omplete	2019 IA, TP/TSS/TN Reduction	
19RST902425 MRWI 19RST902709 MRWI			PERMANENT 1 0.002 PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002	\$25 Co \$300 Co	omplete omplete	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
19RST902420 MRWI			PERMANENT 1 0.002	_	. 0.001		0.01	0.001	0.001	0.002		omplete	2019 IA, TP/TSS/TN Reduction	
19RST902409 MRWI			PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002		omplete	2019 IA, TP/TSS/TN Reduction	
19RST902406 MRWI 19RST902409 MRWI			PERMANENT 1 0.002 PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002		omplete omplete	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
19RST902398 MRWI	/Н	E P	PERMANENT 1 0.002	2 1	. 0.001	0.00	0.01	0.001	0.001	0.002	\$25 Co	omplete	2019 IA, TP/TSS/TN Reduction	
19RST902385 MRWI			PERMANENT 1 0.002 PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002		omplete	2019 IA, TP/TSS/TN Reduction	
19RST902345 MRWI 19RST902356 MRWI			PERMANENT 1 0.002 PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002		omplete omplete	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
19RST902333 MRWI	/H	E P	PERMANENT 1 0.002	2 1	. 0.001	0.00	0.01	0.001	0.001	0.002	\$25 Co	omplete	2019 IA, TP/TSS/TN Reduction	
019RST902438 MRWI			PERMANENT 1 0.002 PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002		omplete	2019 IA, TP/TSS/TN Reduction	
019RST902434 MRWI 019RST902438 MRWI			PERMANENT 1 0.002 PERMANENT 1 0.002	_	. 0.001		0.01	0.001	0.001	0.002		omplete omplete	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
019RST902423 MRWI	/H	E P	PERMANENT 1 0.002	2 1	. 0.001	0.00	0.02	0.001	0.001	0.002	\$25 Co	omplete	2019 IA, TP/TSS/TN Reduction	
019RST902384 MRWI 019RST902418 MRWI			PERMANENT 1 0.002 PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002		omplete omplete	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
019RST902369 MRWI			PERMANENT 1 0.002 PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002		omplete	2019 IA, TP/TSS/TN Reduction	
19RST902364 MRWI			PERMANENT 1 0.002		. 0.001		0.00	0.001	0.001	0.002	,	omplete	2019 IA, TP/TSS/TN Reduction	
19RST902355 MRWI			PERMANENT 1 0.002	_	. 0.001		0.01	0.001	0.001	0.002		omplete	2019 IA, TP/TSS/TN Reduction	
19RST902339 MRWI 19RST902355 MRWI			PERMANENT 1 0.002 PERMANENT 1 0.002	_	. 0.001		0.01	0.001	0.001	0.002		omplete omplete	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
019RST902336 MRWI			PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002	\$25 Co	omplete	2019 IA, TP/TSS/TN Reduction	
D19RST902323 MRWI			PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002		omplete	2019 IA, TP/TSS/TN Reduction	
D19RST902426 MRWI D19RST902433 MRWI			PERMANENT 1 0.002 PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002		omplete omplete	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	
D19RST902419 MRWI			PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002	\$25 Co	omplete	2019 IA, TP/TSS/TN Reduction	
D19RST902408 MRWI			PERMANENT 1 0.002	_	. 0.001		0.01	0.001	0.001	0.002		omplete	2019 IA, TP/TSS/TN Reduction	
019RST902407 MRWI 019RST902408 MRWI			PERMANENT 1 0.002 PERMANENT 1 0.002		. 0.001		0.01	0.001	0.001	0.002		omplete omplete	2019 IA, TP/TSS/TN Reduction 2019 IA, TP/TSS/TN Reduction	

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C0337 ELLICOTT CITY IMPROVEMENTS and ENHANCEMENTS		0.00	0.00	0.00	0.00	0.00	\$13,911,656	Complete	2020 Flood control, flood damage repair, public education and outreach, historic preservation	This is a project to provide a varie public infrastructure and address to make improvements to the do
C0337 ELLICOTT CITY IMPROVEMENTS and ENHANCEMENTS		0.00	0.00	0.00	0.00	0.00	\$22,545,670	Under Construction	2021 Flood control, flood damage repair, public education and outreach, historic preservation	Howard County Seat. This is a project to provide a varie public infrastructure and address to make improvements to the do
C0337 ELLICOTT CITY IMPROVEMENTS and ENHANCEMENTS		0.00	0.00	0.00	0.00	0.00	\$80,150,753	Design	2022 Flood control, flood damage repair, public education and outreach, historic preservation	Howard County Seat. This is a project to provide a varie public infrastructure and address to make improvements to the do Howard County Seat.
C0337 ELLICOTT CITY IMPROVEMENTS and ENHANCEMENTS		0.00	0.00	0.00	0.00	0.00	\$18,530,000	Planning	2023 Flood control, flood damage repair, public education and outreach, historic preservation	This is a project to provide a varie public infrastructure and address to make improvements to the do Howard County Seat.
C0337 ELLICOTT CITY IMPROVEMENTS and ENHANCEMENTS		0.00	0.00	0.00	0.00	0.00	\$10,000,000	Planning	2024 Flood control, flood damage repair, public education and outreach, historic preservation	This is a project to provide a varie public infrastructure and address to make improvements to the do Howard County Seat.
D1124 Drainage Improvement Program		0.00	0.00	0.00	0.00	0.00	\$550,000	Design	2022 Drainage improvement	A project for the design and cons drainage improvements requeste of Highways.
D1124 Drainage Improvement Program		0.00	0.00	0.00	0.00	0.00	\$250,000	Planning	2024 Drainage improvement	A project for the design and cons drainage improvements requeste of Highways.
D1124 Drainage Improvement Program		0.00	0.00	0.00	0.00	0.00	\$550,000	Planning	2026 Drainage improvement	A project for the design and cons drainage improvements requeste of Highways.
D-1158 WATERSHED MANAGEMENT CONSTRUCTION		0.00	0.00	0.00	0.00	0.00	\$118,737	Complete	2018 post-flood stream assessments, CLOMR reviews public outreach and education, MS4 credit calculations	5, This project is for design and consimprovements. The project will in management implementation economic including retrofitting of stormwat and certification of detention bas alert systems, streambank restoration quality devices (such as wetlands outfall stabilization, channel restoration studies.
D-1158 WATERSHED MANAGEMENT CONSTRUCTION		0.00	0.00	0.00	0.00		\$1,177,938	Complete	2019 CBT Grant Monitoring, mitigation monitoring, drainage studies and improvements, stream inspections, elevation certificates, public outreach and education, FEMA map revisions, on-site GIS support services, mylar preparation and housekeeping	This project is for design and cons improvements. The project will in management implementation ec including retrofitting of stormwat and certification of detention bas alert systems, streambank restora quality devices (such as wetlands outfall stabilization, channel restors studies.
D-1158 WATERSHED MANAGEMENT CONSTRUCTION		0.00	0.00	0.00	0.00		\$158,503	Complete	2020 CBT Grant Monitoring, mitigation monitoring, drainage studies and improvements, stream inspections, mylar preparation and housekeeping, debris removal from streams	This project is for design and cons improvements. The project will in management implementation ec including retrofitting of stormwat and certification of detention bas alert systems, streambank restors quality devices (such as wetlands outfall stabilization, channel restors studies.
D-1158 WATERSHED MANAGEMENT CONSTRUCTION		0.00	0.00	0.00	0.00	0.00	\$199,061	Under Construction	2021 stream inspections, FEMA map revisions, on-site GIS support	e This project is for design and cons improvements. The project will in management implementation ec including retrofitting of stormwat and certification of detention bas alert systems, streambank restora quality devices (such as wetlands outfall stabilization, channel restors studies.

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construction of stormwater facility will include NPDES stormwater on equirements, floodplain studies, nwater management ponds, restoration in basins, continued improvement of flood estoration including bio-engineering, water ands), storm drainage and storm drain restoration and water quality monitoring
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D-1159 STORMWATER		0.00	0.00	0.00	0.00	0.00	\$701,228	Complete		Centennial Lake maintenance, post-folld pond	A fund for Howard County to unde
MANAGEMENT FACILITY										repair (Ellicott Woods)	stormwater management on an a
RECONSTRUCTION											provisions of the County Code. Th
											rapid assistance in emergency situ
D-1159 STORMWATER		0.00	0.00	0.00	0.00	0.00	\$1,934,187	Complete	2019	pond repairs, post-storm clean up	A fund for Howard County to unde
MANAGEMENT FACILITY											stormwater management on an a
RECONSTRUCTION											provisions of the County Code. Th
											rapid assistance in emergency situ
D-1159 STORMWATER		0.00	0.00	0.00	0.00	0.00	\$1,864,093	Complete	2020	pond repairs	A fund for Howard County to unde
MANAGEMENT FACILITY		0.00	0.00	0.00	0.00		φ <u>1</u> ,00 1,000	complete	2020		stormwater management on an a
RECONSTRUCTION											provisions of the County Code. Th
RECONSTRUCTION											
		0.00	0.00	0.00	0.00	0.00	605 4 40	11	2024		rapid assistance in emergency situ
D-1159 STORMWATER		0.00	0.00	0.00	0.00	0.00	\$85,149		2021	pond repairs	A fund for Howard County to unde
MANAGEMENT FACILITY								Construction			stormwater management on an a
RECONSTRUCTION											provisions of the County Code. Th
											rapid assistance in emergency situ
D1160 STORMWATER		0.00	0.00	0.00	0.00	0.00	\$32,207	Complete	2018	pond repairs, public outreach and education	A project for the retrofit of storm
MANAGEMENT RETROFITS											include water quality managemer
D1160 STORMWATER		0.00	0.00	0.00	0.00	0.00	\$66,280	Complete	2019	public outreach and education, CMAC study	A project for the retrofit of storm
MANAGEMENT RETROFITS											include water quality managemer
D1160 STORMWATER		0.00	0.00	0.00	0.00	0.00	\$367,000	Under	2021	pond repairs	A project for the retrofit of storm
MANAGEMENT RETROFITS				0.00				Construction	2021	li - vi - France	include water quality managemer
D1161 SHAFFERSVILLE ROAD		0.00	0.00	0.00	0.00	0.00	\$900,000		າດາເ	replace existing culverts	A project to replace the existing c
		0.00	0.00	0.00	0.00	0.00	3900,000	רומווווווא	2025	ייבאומרה באוזרוווג רמואהו ג	
CULVERT REPLACEMENT											(between Florence Road and Shaf
											Road between Shaffersville Road
											l
D-1165 Ellicott City Flood		0.00	0.00	0.00	0.00	0.00	\$1,021,549	Complete	2018	drainage and culvert improvements, post-storm	Ellicott City Flood Mitigation & Sto
Mitigation & Stormwater										H&H studies, flood repair support	
Enhancements											
D-1165 Ellicott City Flood		0.00	0.00	0.00	0.00	0.00	\$5,305,915	Complete	2019	drainage and culvert improvements, wall	Ellicott City Flood Mitigation & Sto
Mitigation & Stormwater		0.00	0.00	0.00	0.00	0.00	<i>43,303,3</i> 13	complete		-	
-										repairs, debris removal, USACE peer review,	
Enhancements										property acquisitions for floodplain preservation	1
										and hazard mitigation, permitting support,	
										retrofit studies, New Cut Road repair	
D-1165 Ellicott City Flood		0.00	0.00	0.00	0.00	0.00	\$5,317,776	Complete	2020	debris removal, drainage improvement, New Cu	t Ellicott City Flood Mitigation & Sto
, Mitigation & Stormwater							.,,,			Road repair	, 0
Enhancements											
		0.00	0.00	0.00	0.00	0.00	\$1,657,000	Under	2021	property acquisitions for floodplain procentation	Ellicatt City Flood Mitigation & St
D-1165 Ellicott City Flood		0.00	0.00	0.00	0.00	0.00				property acquisitions for floodplain preservation	Fillcott City Flood Mitigation & Sto
Mitigation & Stormwater								Construction		and hazard mitigation, drainage improvement	
Enhancements											
D-1165 Ellicott City Flood		0.00	0.00	0.00	0.00	0.00	\$100,000	Planning	2022	drainage improvement support	Ellicott City Flood Mitigation & Sto
Mitigation & Stormwater											
Enhancements											
D1168 MORGAN WOODBINE		0.00	0.00	0.00	0.00	0.00	\$225,000	Complete	2019	stabilization of the roadway embankment	A project to design and construct
ROAD SLOPE STABILIZATION							, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			······································	embankment of Morgan Woodbir
											of the Patapsco River.
		0.00	0.00	0.00	0.00	0.00	ć700.000	Diamaina	2027	stabilization of the wood way and ball wood	
D1168 MORGAN WOODBINE		0.00	0.00	0.00	0.00	0.00	\$700,000	Planning	2027	stabilization of the roadway embankment	A project to design and construct
ROAD SLOPE STABILIZATION											embankment of Morgan Woodbir
											of the Patapsco River.
D1169 STORM DRAIN		0.00	0.00	0.00	0.00	0.00	\$2,250,000	Complete	2021	repairs	This program will provide for the r
CULVERT REPLACEMENT											storm drain pipes and culverts.
PROGRAM											
D1169 STORM DRAIN		0.00	0.00	0.00	0.00	0.00	\$2,250,000	Design	2022	repairs	This program will provide for the r
CULVERT REPLACEMENT		0.00	0.00	0.00			<i>~2,230,000</i>		2022		
											storm drain pipes and culverts.
PROGRAM							4		_		
D1169 STORM DRAIN		0.00	0.00	0.00	0.00	0.00	\$2,250,000	Planning	2023	repairs	This program will provide for the r
CULVERT REPLACEMENT											storm drain pipes and culverts.
PROGRAM											
D1169 STORM DRAIN		0.00	0.00	0.00	0.00	0.00	\$2,250,000	Planning	2024	repairs	This program will provide for the r
CULVERT REPLACEMENT								-			storm drain pipes and culverts.
PROGRAM											
D1169 STORM DRAIN		0.00	0.00	0.00	0.00	0.00	\$2,100,000	Planning	2025	repairs	This program will provide for the
		0.00	0.00	0.00	0.00	0.00	϶ Ζ,100,000	ridiiiilig	2025	i epail s	This program will provide for the r
CULVERT REPLACEMENT											storm drain pipes and culverts.
PROGRAM						ļ ļ					1
D1169 STORM DRAIN		0.00	0.00	0.00	0.00	0.00	\$2,350,000	Planning	2026	repairs	This program will provide for the r
CULVERT REPLACEMENT											storm drain pipes and culverts.
PROGRAM											
D1169 STORM DRAIN		0.00	0.00	0.00	0.00	0.00	\$2,300,000	Planning	2027	repairs	This program will provide for the r
		0.00	0.00	0.00	0.00	0.00	Ψ <u>2,300,000</u>		2027		storm drain pipes and culverts.
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CULVERT REPLACEMENT PROGRAM								I			

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D1175 VALLEY	0.00	0.00	0.00	0.00	0.00	\$1,517,203	Complete 2	019 drainage improvement, flood mitigation,	This project is for the study, design and construction of flood
/IEDE/CHATHAM FLOOD								property acquisition for floodplain preservation	, mitigation and stormwater waterway improvement efforts in the
/ITIGATION								public safety, and hazard mitigation	Valley Mede and Chatham subwatersheds.
01175 VALLEY	0.00	0.00	0.00	0.00	0.00	\$1,343,844	Complete 2	020 drainage improvement, flood mitigation,	This project is for the study, design and construction of flood
/IEDE/CHATHAM FLOOD								property acquisition for floodplain preservation	
AITIGATION								public safety, and hazard mitigation	Valley Mede and Chatham subwatersheds.
D1175 VALLEY	0.00	0.00	0.00	0.00	0.00	\$1,494,792	Linder 2	021 drainage improvement, flood mitigation,	This project is for the study, design and construction of flood
//EDE/CHATHAM FLOOD	0.00	0.00	0.00	0.00	0.00	J1,4J4,7J2			
							Construction	property acquisition for floodplain preservation	
AITIGATION AITIGATION								public safety, and hazard mitigation	Valley Mede and Chatham subwatersheds.
D1175 VALLEY	0.00	0.00	0.00	0.00	0.00	\$2,200,000	Design 2	022 drainage improvement, flood mitigation	This project is for the study, design and construction of flood
/IEDE/CHATHAM FLOOD									mitigation and stormwater waterway improvement efforts in the
/ITIGATION									Valley Mede and Chatham subwatersheds.
D1175 VALLEY	0.00	0.00	0.00	0.00	0.00	\$3,200,000	Design 2	023 drainage improvement, flood mitigation	This project is for the study, design and construction of flood
/IEDE/CHATHAM FLOOD							-		mitigation and stormwater waterway improvement efforts in the
AITIGATION									Valley Mede and Chatham subwatersheds.
D1176-WATERSHED	0.00	0.00	0.00	0.00	0.00	\$162,233	Complete 2	020 on-site consultant support	This project is for design and construction of stormwater facility
ANAGEMENT	0.00	0.00	0.00	0.00	0.00	<i>\</i> 102,233			improvements.
CONSTRUCTION									improvements.
		0.00	0.00		0.00	6065 000			
D1176-WATERSHED	0.00	0.00	0.00	0.00	0.00	\$865,009		021 on-site consultant support, drainage	This project is for design and construction of stormwater facility
/ANAGEMENT							Construction	improvement, utility relocations, elevation	improvements.
CONSTRUCTION								certificates, public outreach and education,	
								stream monitoring, woody debris removal	
D1176-WATERSHED	0.00	0.00	0.00	0.00	0.00	\$300,000	Design 2	022 on-site consultant support, stream monitoring,	This project is for design and construction of stormwater facility
/ANAGEMENT								woody debris removal	improvements.
CONSTRUCTION									
D1176-WATERSHED	0.00	0.00	0.00	0.00	0.00	\$1,200,000	Planning 2	026 various restoration, maintenance, repair	
/ANAGEMENT						+ _ , ,		projects	
CONSTRUCTION									
	0.00	0.00	0.00	0.00	0.00	¢1 200 000	Dianning 2	027 verieus restaration maintanance renair	
D1176-WATERSHED	0.00	0.00	0.00	0.00	0.00	\$1,200,000	Planning 2	027 various restoration, maintenance, repair	
ANAGEMENT								projects	
CONSTRUCTION									
D1176-WATERSHED	0.00	0.00	0.00	0.00	0.00	\$1,200,000	Planning 2	028 various restoration, maintenance, repair	
/IANAGEMENT								projects	
CONSTRUCTION									
D1177-STORMWATER	0.00	0.00	0.00	0.00	0.00	\$155,919	Complete 2	020 pond repairs	A fund for Howard County to undertake construction or repairs to
ANAGEMENT FACILITY									stormwater management on an as needed basis meeting the
RECONSTRUCTION									provisions of the County Code.
D1177-STORMWATER	0.00	0.00	0.00	0.00	0.00	\$929,441	Under 2	021 pond repairs	A fund for Howard County to undertake construction or repairs to
ANAGEMENT FACILITY							Construction		stormwater management on an as needed basis meeting the
RECONSTRUCTION									provisions of the County Code.
D1177-STORMWATER	0.00	0.00	0.00	0.00	0.00	\$6,400,000	Docign 2	022 pond repairs	A fund for Howard County to undertake construction or repairs to
	0.00	0.00	0.00	0.00	0.00	\$6,400,000	Design	J22 pond repairs	
ANAGEMENT FACILITY									stormwater management on an as needed basis meeting the
RECONSTRUCTION									provisions of the County Code.
D1177-STORMWATER	0.00	0.00	0.00	0.00	0.00	\$1,700,000	Planning 2	023 pond repairs	A fund for Howard County to undertake construction or repairs to
ANAGEMENT FACILITY									stormwater management on an as needed basis meeting the
RECONSTRUCTION									provisions of the County Code.
D1177-STORMWATER	0.00	0.00	0.00	0.00	0.00	\$4,600,000	Planning 2	024 pond repairs	A fund for Howard County to undertake construction or repairs to
ANAGEMENT FACILITY									stormwater management on an as needed basis meeting the
RECONSTRUCTION									provisions of the County Code.
D1177-STORMWATER	0.00	0.00	0.00	0.00	0.00	\$1,500,000	Planning 2	025 pond repairs	A fund for Howard County to undertake construction or repairs to
ANAGEMENT FACILITY	0.00	0.00	0.00	0.00	0.00	Ş1,500,000			
									stormwater management on an as needed basis meeting the
RECONSTRUCTION						1			provisions of the County Code.
D1177-STORMWATER	0.00	0.00	0.00	0.00	0.00	\$7,000,000	Planning 2	026 pond repairs	
ANAGEMENT FACILITY									
RECONSTRUCTION									
D1177-STORMWATER	0.00	0.00	0.00	0.00	0.00	\$7,000,000	Planning 2	027 pond repairs	
ANAGEMENT FACILITY									
RECONSTRUCTION									
D1177-STORMWATER	0.00	0.00	0.00	0.00	0.00	\$7,000,000	Planning ?	028 pond repairs	
ANAGEMENT FACILITY		0.00	0.00		0.00	<i>Ţ</i> ,,000,000	۲		
RECONSTRUCTION		0.00		0.00		404 000	Commission Commis		A music state from the method fit of states and the states of the states
01178-STORMWATER	0.00	0.00	0.00	0.00	0.00	\$31,620	Complete 2	019 pond repairs	A project for the retrofit of stormwater management facilities to
MANAGEMENT RETROFITS	l l								include water quality management.
D1178-STORMWATER	0.00	0.00	0.00	0.00	0.00	\$24,525	Complete 2	020 pond repairs	A project for the retrofit of stormwater management facilities to
ANAGEMENT RETROFITS									include water quality management.
		0.00	0.00	0.00		\$300,000	Design 2	022 pond repairs	A project for the retrofit of stormwater management facilities to
D1178-STORMWATER	0.00	0.001	0.001		0.00	2200.0001			
D1178-STORMWATER	0.00	0.00	0.00		0.00	\$500,000	5		
	0.00	0.00	0.00	0.00	0.00	\$300,000		023 pond repairs	include water quality management. A project for the retrofit of stormwater management facilities to

Cale of an algebra Control Control <thcontro< th=""> Control <thcontrol< th=""></thcontrol<></thcontro<>	D1178-STORMWATER MANAGEMENT RETROEITS	0.	0.0	0.00	0.00	0.00	\$1,100,000 Planning	2024 pond repairs	
Shifty and by the shifty of the sh	D1178-STORMWATER	0.	0.0	0.00	0.00	0.00	\$1,100,000 Planning	2025 pond repairs	A project for the retrofit of stormwater management facilities
		0		0.00	0.00	0.00	\$1 100 000 Planning	2026 pond renairs	
Distance			0.0	0.00	0.00	0.00	91,100,000 Hammig		
Interver Interver Interver Interver Interver Interver Interver Interver Width Under Ver Interver	D1178-STORMWATER	0.	0.0	0.00	0.00	0.00	\$1,100,000 Planning	2027 pond repairs	
Additional of the second of the se	MANAGEMENT RETROFITS								include water quality management.
American and an analysis of a second s		0.	0.0	0.00	0.00	0.00	\$1,100,000 Planning	2028 pond repairs	
Mathematical		0.	0.0	0.00	0.00	0.00	\$500,000 Design	2021 various restoration, maintenance, repair	A project for the design and construction of varying sized drain
MMMEM Image: Market part of the second	IMPROVEMENTS								
NT 10 NT 10 <th< td=""><td>D1180 TIBER WATERSHED</td><td>0.</td><td>0.0</td><td>0.00</td><td>0.00</td><td>0.00</td><td>\$500,000 Planning</td><td>2024 various restoration, maintenance, repair</td><td>A project for the design and construction of varying sized drai</td></th<>	D1180 TIBER WATERSHED	0.	0.0	0.00	0.00	0.00	\$500,000 Planning	2024 various restoration, maintenance, repair	A project for the design and construction of varying sized drai
Alternational Alternationalternatinalteralternational Alternational Alternational Alternat	IMPROVEMENTS							projects	stormwater management projects within the Tiber Watershee
WHY MUCH Weise	D1181 PLUM TREE	0.	0.0	0.00	0.00	0.00	\$400,000 Design	2021 various restoration, maintenance, repair	A project for the design and construction of varying sized drai
	WATERSHED IMPROVEMENTS								stormwater management projects within the Plum Tree Wate
MEMONUP MEMONUP <t< td=""><td>D1181 PLUM TREE</td><td>0.</td><td>0.0</td><td>0.00</td><td>0.00</td><td>0.00</td><td>\$400,000 Planning</td><td>2023 various restoration, maintenance, repair</td><td>A project for the design and construction of varying sized drain</td></t<>	D1181 PLUM TREE	0.	0.0	0.00	0.00	0.00	\$400,000 Planning	2023 various restoration, maintenance, repair	A project for the design and construction of varying sized drain
	WATERSHED IMPROVEMENTS								
	D1182 ORCHARD RIDGE	0.	0.0	0.00	0.00	0.00	\$575,000 Under	2021 various restoration, maintenance, repair	This project is for the design and construction of drainage and
DLUC MERCONF (Non-Conff Conff C	DRAINAGE IMPROVEMENTS								
BAMB MONDEM BAMB MONDEM BAM MONDEM									
Hand Hand Rand Rand <th< td=""><td>D1182 ORCHARD RIDGE DRAINAGE IMPROVEMENTS</td><td>0.</td><td>0.0</td><td>0.00</td><td>0.00</td><td>0.00</td><td>\$500,000 Planning</td><td></td><td>stormwater managementv improvements in the Orchard Ridg</td></th<>	D1182 ORCHARD RIDGE DRAINAGE IMPROVEMENTS	0.	0.0	0.00	0.00	0.00	\$500,000 Planning		stormwater managementv improvements in the Orchard Ridg
	D1182 ORCHARD RIDGE	0.	0.0	0.00	0.00	0.00	\$350,000 Planning	2023 various restoration, maintenance, repair	
number of solutionnumber of solutionnumb	DRAINAGE IMPROVEMENTS								
Odd 2 Contract Odd	Annual Report Support	0.	0.0	0.00	0.00	0.00	\$265,936 Complete	2019	
	GIS Support								
Singer									
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And Add Add Add Add Add Add Add Add Add	GIS Support	0.	0.0	0.00	0.00	0.00		2021	
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MAXEP Propriet of Services MAXEP Proprint of Services <th< td=""><td>On-Site Consultants</td><td>0.</td><td>0.0</td><td>0.00</td><td>0.00</td><td>0.00</td><td></td><td>2021</td><td></td></th<>	On-Site Consultants	0.	0.0	0.00	0.00	0.00		2021	
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0n Sile Consultants 1 1 1 1 1 0	IDDE - consultant								
Optiontraft M <th< td=""><td>NPDES Monitoring</td><td>0.</td><td>0.0</td><td>0.00</td><td>0.00</td><td>0.00</td><td>\$219,000 Planning</td><td>2022</td><td></td></th<>	NPDES Monitoring	0.	0.0	0.00	0.00	0.00	\$219,000 Planning	2022	
PCB inplementation Pian PCB in Pia	On-Site Consultants								
Indent Image									
Watershet financement Grants Image Reprint Support	PCB implementation Plan	0.	0.0	0.00	0.00	0.00			
Grants Image of the state	Rain Barrel supplies								
Annual Report Support Image of the sector of the secto	Watershed Enhancement	0.	0.0	0.00	0.00	0.00	\$160,000 Planning	2022	
Bacteria Monitoring 2021- 2022 Col C		n)0 0 0	0 0 00	0.00	0.00	\$125.000 Planning	2023	
2022 0	Bacteria Monitoring 2021-								
BMP Inspection Services, supplies and vehicles Image: Se	2022				0.00			2022 hactoria	
suplies and vehicles Image: Supplies and vehicles <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
CIS 2023 Update (Anual Countywide Stormwater TMDL Implementation Plan) R	supplies and vehicles		0.0	- 0.00	0.00				
Implementation Plan Implementation Plan<	CIS 2023 Update (Annual	0.	0.0	0.00	0.00	0.00	\$100,000 Planning	2023	
Image: Second	Countywide Stormwater TMDL								
GIS Support Image: Construct of the construct	Implementation Plan)								
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NPDES Monitoring	0.00	0.00		0.00	0.00	\$219,000 F	v	2023	
On-Site Consultants	 0.00	0.00		0.00	0.00	\$200,000 F		2023	
Opti contract	 0.00	0.00		0.00	0.00	\$5,000 F	-	2023	
PCB Initial Monitoring	0.00	0.00		0.00	0.00	\$50,000 F	-	2023 PCB	
Pooled Monitoring	 0.00	0.00		0.00	0.00	\$250,000 F	<u> </u>	2023	
Public Outreach	 0.00	0.00		0.00	0.00	\$25,000 F	-	2023	
Rain Barrel supplies	 0.00	0.00		0.00	0.00	\$5,000 F	-	2023	
Watershed Enhancement	0.00	0.00	0.00	0.00	0.00	\$160,000 F	Planning	2023	
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BMP Inspection Services, supplies and vehicles	0.00	0.00	0.00	0.00	0.00	\$027,000 F	Planning	2024	
Flood Warning System	0.00	0.00	0.00	0.00	0.00	\$92,000 F	Dlanning	2024	
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NPDES Monitoring	0.00	0.00		0.00	0.00	\$219,000 F	.	2024	
On-Site Consultants	0.00	0.00		0.00	0.00	\$200,000 F	-	2024	
Opti contract	0.00	0.00		0.00	0.00	\$5,000 F		2024	
PCB Secondary Monitoring	0.00	0.00		0.00	0.00	\$150,000 F	-	2024 PCB	
Rain Barrel supplies	0.00	0.00		0.00	0.00	\$5,000 F	-	2024	
Watershed Enhancement	0.00	0.00		0.00	0.00	\$160,000 F		2024	
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Flood Warning System	0.00	0.00	0.00	0.00	0.00	\$92,000 F	Planning	2025	
GIS Support	0.00	0.00		0.00	0.00	\$130,000 F		2025	
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IDDE - consultant	0.00	0.00		0.00	0.00	\$35,000 F	-	2025	
NPDES Monitoring	 0.00	0.00		0.00	0.00	\$219,000 F	-	2025	
On-Site Consultants	0.00	0.00		0.00	0.00	\$200,000 F	v	2025	
Opti contract	 0.00	0.00		0.00	0.00	\$5,000 F	-	2025	
Rain Barrel supplies	 0.00	0.00		0.00	0.00	\$5,000 F	v	2025	
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Watershed Enhancement	0.00	0.00	0.00	0.00	0.00	\$160,000 F	Planning	2025	
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BMP Inspection Services, supplies and vehicles	0.00	0.00	0.00	0.00	0.00	\$627,000 F	Planning	2026	
Flood Warning System	0.00	0.00	0.00	0.00	0.00	\$92,000 F	Dlanning	2026	
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NPDES Monitoring	0.00	0.00		0.00	0.00	\$219,000 F	-	2026	
On-Site Consultants	0.00	0.00		0.00	0.00	\$200,000 F	v	2026	
Opti contract	0.00	0.00		0.00	0.00	\$5,000 F	-	2026	
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GIS Support	0.00	0.00	0.00	0.00	0.00	\$130,000 F	Planning	2027	
IDDE - consultant	0.00	0.00		0.00	0.00	\$35,000 F	Planning	2027	
NPDES Monitoring	0.00	0.00		0.00	0.00	\$219,000 F	v	2027	
On-Site Consultants	0.00	0.00		0.00	0.00	\$200,000 F		2027	
Opti contract	0.00	0.00		0.00	0.00	\$5,000 F	-	2027	
Rain Barrel supplies	0.00	0.00		0.00	0.00		Planning	2027	
Watershed Enhancement	0.00	0.00	0.00	0.00	0.00	\$160,000 F	Planning	2027	
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Annual Report Support	0.00	0.00		0.00	0.00	\$125,000 F		2028	
BMP Inspection Services,	0.00	0.00	0.00	0.00	0.00	\$627,000 F	Planning	2028	
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Rain Barrel supplies		0.00	0.00	0.00	0.00			0.00	\$5,000 Planning	2028
Storm Drain System		0.00	0.00	0.00	0.00			0.00	\$1,100,000 Planning	2028
Verification										
Watershed Enhancement		0.00	0.00	0.00	0.00			0.00	\$160,000 Planning	2028
Grants										
Subtotal Other (up to 2026)	398	0.4	0.0	4.6	8.9	0.2	0.0	9.1	\$249,550,236	
Total for Next Permit	582	4,204.6	11,173,850.7	7,179.9	1,341.6	2 5	0.0	1,345.0	\$340,392,206	
(up to 2026)	362	4,204.0	11,173,850.7	7,179.9	1,541.0	3.5	0.0	1,345.0	Ş340,392,200	
Total for Next Permit and Projected Years	582	4,204.6	11,173,850.7	7,179.9	1,343.6	3.5	0.0	1,347.0	\$367,088,206	
Total for Remaining Obligations from The Previous	5,401	5,671.5	11,613,917.7	9,222.6	1,901.0	3.5	0.0	1,904.5	\$340,867,206	
Total for Remaining Obligations from The Previous	5,401	5,671.5	11,613,917.7	9,222.6	1,903.0	3.5	0.0	1,906.5	\$367,563,206	

SECTION 4: FINANCIAL CAPACITY ANALYSIS

Howard County, Maryland Maximum Extent Practicable (MEP) Analysis Financial Capacity Analysis July 7, 2021

Evaluating the financial capacity of a local jurisdiction to perform all stormwater services, is an important factor in determining the maximum extent practicable (MEP) level of implementation for Phase I Medium municipal separate storm sewer system (MS4) permittees. A jurisdiction's financial capacity can be informed by characterizing the economic conditions of the community, estimating the per household municipal costs and expenditures, and characterizing the financial wherewithal of its government to pay for stormwater-related services.

Howard County's sources of revenue used to pay for stormwater-related services include a combination of a dedicated fee; general property and income tax revenues; grants and loans; and bond sales. Adequately managing these funding sources is critical to the level of stormwater services provided. The data shown in the Financial Capacity Analysis (FCA) spreadsheet (Attachment 6) and the narrative responses to the questions below help describe Howard County's MEP for performing stormwaterrelated services; economic status and its ability to afford these services; and its capacity to generate funds for these services.

1. What was the prior per household municipal cost of stormwater services and restoration activities for a jurisdiction's residents?

This cost includes the past restoration costs and the costs of infrastructure maintenance and repair, inspection and education program costs - both capital and operational.

a. What was the estimated annual municipal cost of providing stormwater-related management services to residential customers?

The estimated average annual municipal cost of providing stormwater-related management services to residential customers was \$42,608,400.75 (FCA 2c). The municipal annual cost per household for stormwater-related services provided to the residential community in the past 5-year permit term was \$373.20 (FCA 2d), which is 0.31% (FCA 2e) of the median household income value of \$121,160 (MHI) (FCA 2a).

The percent of income for low income households spent on public stormwater-related management programs was 1.49% (FCA 4b), which disproportionately impacts lower income households.

b. What is the estimated annual cost of the stormwater remediation fee to residential customers?

Residents were charged a Watershed Protection and Restoration Fee averaging \$40.17 per household annually (FCA 2f), which is 0.03% (FCA 2g) of the median household income (MHI) (FCA 2a).

The percent of income for low income households spent on stormwater remediation fees was 0.16% (FCA 4c), which disproportionately impacts lower income households.

c. What was the annual cost of the impervious surface restoration plan (ISRP) to residential customers?

The total cost of the ISRP during the previous permit term was \$56,836,251 (FCA 3a), and the average annual cost was \$5,982,763.26 (FCA 3b). The annual cost of the ISRP per household was \$52.40 (FCA 3c), which is approximately 0.04% of MHI (FCA 3d).

The percent of income for low income households spent on ISRP was 0.21% (FCA 4d), which disproportionately impacts lower income households.

d. What is the projected annual cost of the proposed restoration portfolio to residential customers?

The projected total cost of the proposed restoration portfolio is \$340,867,206 (FCA 3e), and the projected average annual cost is \$42,608,400.75 (FCA 3f). The projected annual restoration portfolio cost that may be paid by each household is \$373.20 (FCA 3g), which is 0.31% of the MHI (FCA 3h). The percent of MHI for low income households projected to be spent on the cost of the restoration portfolio is 1.49% (FCA 4e), which disproportionately impacts lower income households.

The percent of MHI for the previous permit term's ISRP, 0.04% (FCA 3d), is less than the percent of MHI for the proposed restoration portfolio, 0.31% (FCA 3h).

2. How do socioeconomic factors characterize the economic health of a jurisdiction? Are there indications that there are vulnerable populations in a jurisdiction that need to be considered?

Information on income distribution in a jurisdiction can be used to determine if lower income populations are disproportionately impacted by the costs of stormwater services. Household income statistics are broken down in the Census Data to help with this evaluation. While this low income indicator is important, many jurisdictions have programs to reduce the cost of these stormwater services.

a. How does the percent unemployed compare to the national average?

An unemployment percentage of greater than 1% above the national average is a local economic indicator that helps to show how stormwater costs may impact the unemployed. This 1% parameter comes from the U.S. Environmental Protection Agency's 1997 "Combined Sewer Overflows – Guidance for Financial Capability Assessment and Schedule Development"4 (hereafter referred to as EPA's CSO Guidance).

Because the percent unemployed in Howard County is 2.7% (FCA 5a), which is the same as the national average reported in the American Community Survey (ACS), the unemployed do not appear to be disproportionately impacted by stormwater costs.

b. How does the MHI compare to the national average?

Although the MHI does not specifically represent impacts of costs on lower income residents, comparing the MHI to the national average shows the overall earning capacity in a jurisdiction and provides additional information on the economic conditions of the residential community. According to the EPA's CSO Guidance, if the MHI of the community is more than 25% below the national average, the community would be considered economically vulnerable. Howard County's MHI is \$121,160 (FCA 2a and 5b), which is 193% greater than the national average of \$62,843.00.

c. What is the percentage of individuals below the poverty level and how does it compare to the national average?

The U.S. Census Bureau uses family size and income thresholds to determine estimates for the percentage of families and people whose income is below the poverty level. This information can be used to describe the percentage of individuals in a jurisdiction that are below the poverty level compared to the national average. Percentages greater than 1% above the national average may indicate that a jurisdiction has a greater number of residents in poverty.

The percentage of individuals below the poverty level in Howard County is 5% (FCA 5c), which is less than half of the national average of 13.4%.

d. Are there any methods in place to reduce the annual cost of public stormwater-related services? Is a method in place to reduce the annual cost of stormwater-related services for low income residential customers?

Based on the answers in questions 1a, 1b, 1c, and 1d of this document, the costs on low income residents for providing stormwater-related services may be a large percentage of household income. Using the answers to questions 2a and 2c of this document, as well as the calculated cost for stormwater-related services on low income residents, describe all methods in place to reduce the cost on vulnerable populations. Additionally, have fee reduction requests from low income households impacted water or stormwater service revenues?

Howard County has been and continues to actively pursue state and federal grants to fund stormwaterrelated projects and services. Since taking office, County Executive Ball has worked with partners at the state and federal level to secure more than \$16 million in funding for the Ellicott City Safe and Sound flood mitigation plan (<u>https://www.ecsafeandsound.org/flood-mitigation-options</u>).

The State and Federal grants provide for additional public improvements without additional debt burdens on County residents. The County also offers Watershed Protection Fee Hardship Tax Credit which provides for a 60% credit of the fee.

3. What is the financial capacity of a jurisdiction to borrow additional funds for stormwater-related management programs?

The ability of a jurisdiction to borrow additional funds can provide further information on how stormwater-related cost represents the community's MEP. The General Obligation (GO) and revenue bond ratings as well as the net debt as a percentage of full market property value (FMPV) all indicate how a jurisdiction fares in reference to debt. Known as debt burden, this information can characterize a jurisdiction's ability to issue additional debt to finance stormwater-related services.

a. Does the GO bond rating indicate a strong borrowing capacity?

GO bond ratings represent the ability of a jurisdiction to repay its debt. GO bond debt is paid by revenue from taxes (usually local property taxes). Revenue from the sale of GO bonds are the primary long-term

debt funding mechanism of a community. Moody's ratings of Aaa, Aa, and A, or Standard & Poor's ratings of AAA, AA, and A indicate a financially stable jurisdiction.

Howard County has a Aaa GO bond rating (FCA 6a), a strong borrowing capacity and ability to repay its debt.

b. Does the revenue bond rating indicate a strong borrowing capacity?

Revenue bond ratings reflect the financial conditions and management of a jurisdiction. These bonds are repaid from revenue generated from user or service fees. Moody's ratings of Aaa, Aa, and A, or Standard & Poor's ratings of AAA, AA, and A indicate a financially stable jurisdiction.

Howard County does not have a revenue bond rating (FCA 6b).

c. Have either one of the bond ratings impacted past borrowing capacity and is there a potential for impacts to future borrowing?

A strong borrowing capacity will indicate a jurisdiction's ability to sufficiently borrow funds to pay for stormwater-related services. A weaker borrowing capacity will show a jurisdiction may be limited in the ability to increase debt to fund additional projects. Based on the bond ratings, jurisdictions should explain how borrowing during the previous permit term was impacted by bond ratings. The jurisdiction should also explain how borrowing during the next permit term could be impacted by current bond ratings.

Howard County has received the highest possible credit rating, AAA, from all three bond rating agencies for 24 consecutive years. This acknowledges the County's sizable and wealthy tax base, sound fiscal policies, and fiscal management. As all three credit rating agencies provided a stable outlook, the County continues to take a conservative and prudent approach, adhering to its policies, and does not anticipate any negative impacts to future borrowing.

d. Net debt as a percentage of FMPV?

Net debt is debt repaid by property taxes. The FMPV is the price a willing buyer would pay for real property and in this context it represents the full market value of real property in the jurisdiction. The calculated net debt as a percentage of FMPV provides a measurement of the debt burden on residents. It accounts for all debt issued by the jurisdiction and can be compared to a benchmark found in EPA's CSO Guidance to serve as an indicator of financial stability.

Howard County has a net debt as a percentage of FMPV of 2.29% (FCA 6c). The County Charter limits outstanding general county debt to 4.8% of the assessed value of real and personal property. This measure is also included in S&P and Moody's credit rating criteria. Howard County continues to adhere to its Debt Management policy, with net debt well below the 4.8% limit.

4. How great is the tax burden on existing properties within the community?

Financial management indicators help determine how great the tax burden is on existing properties within the community. These indicators can show whether a jurisdiction has a relatively high or low tax rate, which would indicate potential for concern if additional fees are added.

a. What is the property tax revenue collection rate and does it indicate a large amount of contributions from the tax base?

The property tax revenue collection rate serves as a measurement of tax collection system performance and residents' acceptance of tax levels. The rate can be compared to an EPA CSO Guidance benchmark to indicate performance. A collection rate above 98% would be indicative of strong performance. A poor collection rate would be indicative of a tax structure that is burdensome on the residential population of the jurisdiction.

The property tax revenue collection rate for Howard County is 99.25% (FCA 6e), indicating a large amount of contributions from the tax base.

b. Do the property tax revenues as a percentage of FMPV indicate that additional fees would cause an increased strain on the community?

The property tax revenues as a percentage of FMPV can be used to characterize the financial ability of a jurisdiction to support debt. This comparison also provides information on how effective the local government is in providing services. A value below 2% indicates a financially strong community.

The property tax revenues as a percentage of FMPV for Howard County is 1.22% (FCA 6d), indicating a financially strong community.

ATTACHMENT 1: PROJECT SCHEDULE

Project Type	Duration				Ye	ear 1									Ye	ar 2									Year	3									Year				
Project Phase	(months)	1 2	, २	4				9 1	10 11	1 12	1	2	२ ८	15			8	9 1	0 11	12	1	2 3	. <u>1</u>	5			9	10	11	12	1 3	2 3	4				9	10 11	12
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Attachment 1

Gantt Chart for Typical Project Types

ATTACHMENT 2: CAPITAL BUDGET FY2022

Fiscal 2022 Capital Budget Project: C0337-FY2014 ELLICOTT CITY IMPROVEMENTS and ENHANCEMENTS

Description

This is a project to provide a variety of repairs and improvements to public infrastructure and address other community improvements and to make improvements to the downtown and historic district of the Howard County Seat. This project may include land acquisition for water quality and drainage needs and other public improvements.

Justification

Community has requested improvements to the downtown Ellicott City area for flood mitigation. The work effort will be done to implement the Safe and Sound Plan.

Remarks

1.TAO #3 - 2014 current pending legislation will add \$100,000 grant funding for Ellicott City Streetscape program.

2.Construction of some projects may be dependent on the donation of the necessary easements and or property owner cost share participation.

3. OTHER SOURCES revenue represents homeowner contribution

4.WATER QUALITY LOANS represents Water Infrastructure Finance and Innovation Act of 2014 (WIFIA) loan, which has a 30-year term, favorable rate and debt payment start date of 5 years after loan closing.

5. GRANT represents anticipated FEMA and State funding for Ellicott City.

6.Project implementation of the various improvements included in the Safe and Sound Plan may be adjusted depending on contract negotiations, land acquisition success and regulations|permit approvals.

Project Schedule

FY22 - Construction: Pond H7, Quaker Mill pond, Maryland Avenue culverts, lower Main Street building work.

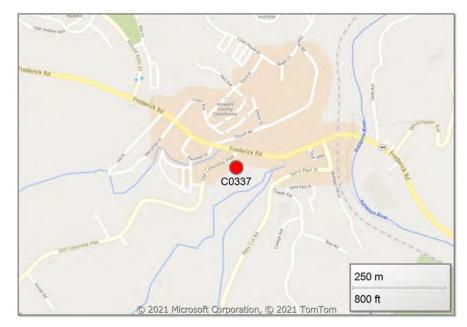
FY22 - Design: North tunnel and NC-3 pond.

Continue building acquisition-removal of those in most vulnerable areas (as needed).

Operating Budget Impact

No Operating Impact

FY2022 Bonds - Annual Debt Service Payment	3,336,667
FY2022 Bonds - 20-Year Total Debt Service Payment	66,733,343
Total Project Bonds - Annual Debt Service Payment	7,923,679
Total Project Bonds - 20-Year Total Debt Service Payment	158,473,583



Explanation of Changes

Scope definition and timeline of project account for cost increase.

Howard County, MD

Project: C0337-FY2014 ELLICOTT CITY IMPROVEMENTS and ENHANCEMENTS

(In Thousands)					Five	Year Cap	oital Prog				Master P	lan		
Appropriation Object Class	Prior Appr.	FY2022 Budget	Appr. Total	Fiscal 2023	Fiscal 2024	Fiscal 2025	Fiscal 2026	Fiscal 2027	Sub Total	Fiscal 2028	Fiscal 2029	Fiscal 2030	Fiscal 2031	Total Project
PLANS & ENGINEERING	8,450	1,000	9,450	0	0	0	0	0	0	0	0	0	0	9,450
LAND ACQUISITION	18,600	0	18,600	1,600	0	0	0	0	1,600	0	0	0	0	20,200
CONSTRUCTION	30,621	88,820	119,441	16,930	10,500	0	0	0	27,430	0	0	0	0	146,871
ADMINISTRATION	400	0	400	0	0	0	0	0	0	0	0	0	0	400
Total Expenditures	58,071	89,820	147,891	18,530	10,500	0	0	0	29,030	0	0	0	0	176,921
BONDS	38,675	0	38,675	3,530	10,500	0	0	0	14,030	0	0	0	0	52,705
DEVELOPER CONTRIBUTION	165	0	165	0	0	0	0	0	0	0	0	0	0	165
GRANTS	16,726	8,870	25,596	0	0	0	0	0	0	0	0	0	0	25,596
OTHER SOURCES	5	0	5	0	0	0	0	0	0	0	0	0	0	5
PAY AS YOU GO	1,000	5,950	6,950	15,000	0	0	0	0	15,000	0	0	0	0	21,950
WATER QUALITY STATE OR FED LOAN	0	75,000	75,000	0	0	0	0	0	0	0	0	0	0	75,000
STORMWATER UTILTY FUNDING	1,500	0	1,500	0	0	0	0	0	0	0	0	0	0	1,500
Total Funding	58,071	89,820	147,891	18,530	10,500	0	0	0	29,030	0	0	0	0	176,921

\$34,233,369 spent and encumbered through February 2021 \$28,570,917 spent and encumbered through February 2020

Project Status TAO#1-2019 Transfer in \$15,981,000

Design - Parking Lot F imprv, Ellicott Mills Dr WQ bumpout, Main St crosswalks, H4 and NC-3 ponds, Maryland Avenue culverts, North Tunnel (preliminary engineering).

Construction complete - Parking Lot E improvements (partial funding), wall repairs for Court Ave, Tonge Row, Lot E northeast corner, Precious Gifts, Main St at 84" culvert, Main St repaving, Courthouse Dr slope repair, Fels La drainage improvements, Ellicott Mills Dr roadway replacement, Rogers Ave storm drain improvements, St. Luke Church slope, relocation of log cabin, miscellaneous sidewalk repairs, stabilization of Caplans.

Other - Stream wall inspections, acquisition and stabilization process in the most vulnerable areas, St Luke Church slope repair.

FY 2021 Budget	58,071	2,000	60,071	55,100	1,450	0	29,550	1,000	87,100	13,000	0	0		160,171
Difference 2021 / 2022	0	87,820	87,820	(36,570)	9,050	0	(29,550)	(1,000)	(58,070)	(13,000)	0	0	0	16,750

Scope definition and timeline of project account for cost increase.

March 29, 2021

Howard County, MD

Fiscal 2022 Capital Budget Project: D1124-FY2007 DRAINAGE IMPROVEMENT PROGRAM

Description

A project for the design and construction of small to medium-sized drainage improvements requested by County residents and the Bureau of Highways.

Justification

Create improved drainage to safely convey surface runoff, to stop flow onto residential properties or to protect the traveled way.

Remarks

1.SDFUND represents Storm Drainage developer contributions derived as a result of 16.133e of the County Code.

2.Construction of some projects may be dependent upon donation of the necessary easements and-or resident cost share participation.

3.After initial investigation, projects over \$250,000 in construction costs may be split out as a separate Capital Project.

4. OTHER funds are resident cost share.

5. Prior to FY20, project included assistance with debris removal and assessment of flood mitigation opportunities in the Allview area.

6. Funding request represents program advancement.

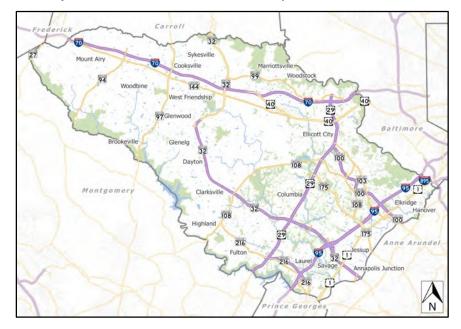
Project Schedule

Program

Operating Budget Impact

Estimated annual maintenance costs upon completion: Decrease.

FY2022 Bonds - Annual Debt Service Payment	41,995
FY2022 Bonds - 20-Year Total Debt Service Payment	839,902
Total Project Bonds - Annual Debt Service Payment	337,870
Total Project Bonds - 20-Year Total Debt Service Payment	6,757,396



Explanation of Changes

Cost decrease reflects programming actual projects in out years.

Howard County, MD

Project: D1124-FY2007 DRAINAGE IMPROVEMENT PROGRAM

(In Thousands)					Five	Year Ca				Master P	lan			
Appropriation Object Class	Prior	FY2022	Appr.	Fiscal	Fiscal	Fiscal	Fiscal	Fiscal	Sub	Fiscal	Fiscal	Fiscal	Fiscal	Total
	Appr.	Budget	Total	2023	2024	2025	2026	2027	Total	2028	2029	2030	2031	Project
PLANS & ENGINEERING	1,555	120	1,675	0	40	0	120	0	160	0	0	0	0	1,835
LAND ACQUISITION	195	20	215	0	10	0	20	0	30	0	0	0	0	245
CONSTRUCTION	2,750	410	3,160	0	200	0	410	0	610	0	0	0	0	3,770
ADMINISTRATION	10	0	10	0	0	0	0	0	0	0	0	0	0	10
Total Expenditures	4,510	550	5,060	0	250	0	550	0	800	0	0	0	0	5,860
BONDS	3,075	550	3,625	0	250	0	550	0	800	0	0	0	0	4,425
OTHER SOURCES	10	0	10	0	0	0	0	0	0	0	0	0	0	10
PAY AS YOU GO	250	0	250	0	0	0	0	0	0	0	0	0	0	250
STORM DRAINAGE FUND	1,175	0	1,175	0	0	0	0	0	0	0	0	0	0	1,175
Total Funding	4,510	550	5,060	0	250	0	550	0	800	0	0	0	0	5,860

\$3,376,460 spent and encumbered through February 2021

\$3,364,023 spent and encumbered through February 2020

Project Status FY21 - There are several requests waiting to be started and will be addressed in turn as other work is completed.

Investigation underway: Sylvan Lane (N. of Church Rd), Hyla Brook, 11000 blk Triadelphia Rd.

Investigation complete: Watch Chain Way, Hale Haven improvements, Lime Kiln Rd Culvert, Gudel Drive, Windermere, Walker Drive, Deerfield, Harriett Tubman Design and or Land acquisition in progress: Globe Drive improvements, 7300 block of Montgomery Road easement.

Construction complete: Woodside Court, Fels Lane, Ordway Drive, Frederick Rd Slope, Maple Rock Drive, Frederick Road slope, US 40 Landscaping, Little Patuxent and Allview Debris Removal, Cradlerock Way channel wall, Abel St (Phase I and 2), Montgomery Road, Patuxent Range Road, Beechfield Avenue.

FY 2021 Budget	4,510	675	5,185	0	675	0	675	0	1,350	0	0	0		6,535
Difference 2021 / 2022	0	(125)	(125)	0	(425)	0	(125)	0	(550)	0	0	0	0	(675)

Howard County, MD

Fiscal 2022 Capital Budget Project: D1148-FY2007 NPDES WATERSHED MANAGEMENT PROGRAM

Description

A project for permitting and implementing the requirements of the National Pollutant Discharge Elimination System (NPDES) to detect and reduce pollutants in stormwater system discharges and to perform studies related to storm water utility financing.

Justification

This project is necessary to comply with the Federal Government's Clean Water Act.

Remarks

- 1. This project replaces Capital Project D1115.
- 2. A five-year renewal NPDES permit was issued by MDE in June 2005.
- 3. The County was issued a new five-year permit on December 18, 2014.
- 4.OTHER funding represents A portion of funding generated from legislation CB-8 & CR21 for stormwater utility funding, known as Watershed Protection and Restoration fund.

Project Schedule

FY22 - Perform work to assess and address Total Maximum Daily Loads (TMDL) and Watershed Implementation Plan (WIP) requirements to meet NPDES permit conditions. Continue database development for NPDES reporting requirements.

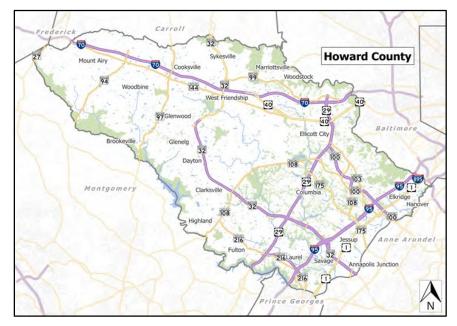
Prepare documentation necessary to apply for next permit.

Perform PCB and bacteria monitoring to address TMDL requirements.

Operating Budget Impact

No Operating Impact

FY2022 Bonds - Annual Debt Service Payment	0
FY2022 Bonds - 20-Year Total Debt Service Payment	0
Total Project Bonds - Annual Debt Service Payment	288,621
Total Project Bonds - 20-Year Total Debt Service Payment	5,772,420



Explanation of Changes Cost increase reflects additional effort to address permit conditions.

Howard County, MD

Project: D1148-FY2007 NPDES WATERSHED MANAGEMENT PROGRAM

(In Thousands)					Five	Year Ca	pital Prog	gram				Master F	Plan	
Appropriation Object Class	Prior Appr.	FY2022 Budget	Appr. Total	Fiscal 2023	Fiscal 2024	Fiscal 2025	Fiscal 2026	Fiscal 2027	Sub Total	Fiscal 2028	Fiscal 2029	Fiscal 2030	Fiscal 2031	Total Project
PLANS & ENGINEERING	6,720	300	7,020	300	300	0	0	0	600	0	0	0	0	7,620
CONSTRUCTION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Expenditures	6,720	300	7,020	300	300	0	0	0	600	0	0	0	0	7,620
BONDS	3,780	0	3,780	0	0	0	0	0	0	0	0	0	0	3,780
OTHER SOURCES	0	300	300	300	300	0	0	0	600	0	0	0	0	900
PAY AS YOU GO	650	0	650	0	0	0	0	0	0	0	0	0	0	650
STORMWATER UTILTY FUNDING	2,290	0	2,290	0	0	0	0	0	0	0	0	0	0	2,290
Total Funding	6,720	300	7,020	300	300	0	0	0	600	0	0	0	0	7,620

\$6,176,711 spent and encumbered through February 2021

\$5,715,956 spent and encumbered through February 2020

Project Status Performed Upper Little Patuxent Watershed Study. Prepared Watershed Treatment Model and generated input to State WIP II. Performed stormwater utility fund financing study. Performed site assessments for additional BMP implementation. Partially funded Alliance for the Chesapeake Bay (READY) grant. Design ESD BMPs at Rockburn Br. Park. Completed draft and final Countywide Implementation Strategy (CIS) for meeting TMDL commitments and impervious cover treatment requirements. Perform database creation and impervious cover baseline calculations for NPDES reporting requirements. Performed Little Patuxent & Middle Patuxent Watershed Assessments. Perform Patapsco and Patuxent River watershed assessments. Continued Point of Investigation assessment and reporting required by MDE. Prepared PCB TMDL implementation plan. Updated IDDE and BMP CRM databases. Performed modeling and pollutant load computations for annual report.

FY 2021 Budget	6,720	100	6,820	100	100	100	100	0	400	0	0	0		7,220
Difference 2021 / 2022	0	200	200	200	200	(100)	(100)	0	200	0	0	0	0	400

Howard County, MD

Fiscal 2022 Capital Budget Project: D1158-FY2008 WATERSHED MANAGEMENT CONSTRUCTION

Description

This project is for design and construction of stormwater facility improvements. The project will include NPDES stormwater management implementation requirements, floodplain studies, including retrofitting of stormwater management ponds, restoration and certification of detention basins, continued improvement of flood alert systems, streambank restoration including bio-engineering, water quality devices (such as wetlands), channel restoration and water quality monitoring studies.

Justification

1. NPDES Program is required by EPA and MDE under the Clean Water Act. 2.Watershed management of floodplains is needed to provide additional protection for older communities.

3. Erosion of tributaries of Patapsco and Patuxent Rivers to be addressed.

Remarks

1.SDFUND represents fee-in-lieu of SWM construction by developers for County use in design or construction of other SWM facilities.

2.GRANT funds include local implementation grant from Chesapeake and Atlantic Coastal Bays 2010 Trust Fund and ARRA.

3. WQ Loan represents State Revolving Loan funding.

4.OTHER SOURCES represent Stormwater Bonds backed by Watershed Protection and Restoration fund, plus funds provided to County through Memorandums of Understandings for cost sharing.

5. TAO 1-2017 received \$550,000 Grant revenue from D1165.

6.Construction of some projects may be dependent upon donation of the necessary easements and-or property owner cost share participation.

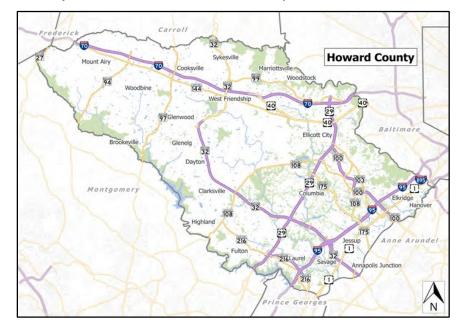
Project Schedule

FY22 - Project is in the financial close out process and will be replaced by D1176.

Operating Budget Impact

No Operating Impact

FY2022 Bonds - Annual Debt Service Payment	0
FY2022 Bonds - 20-Year Total Debt Service Payment	0
Total Project Bonds - Annual Debt Service Payment	824,250
Total Project Bonds - 20-Year Total Debt Service Payment	16,484,992



Howard County, MD

Project: D1158-FY2008 WATERSHED MANAGEMENT CONSTRUCTION

(In Thousands)					Five		Master Plan							
Appropriation Object Class	Prior Appr.	FY2022 Budget	Appr. Total	Fiscal 2023	Fiscal 2024	Fiscal 2025	Fiscal 2026	Fiscal 2027	Sub Total	Fiscal 2028	Fiscal 2029	Fiscal 2030	Fiscal 2031	Total Project
PLANS & ENGINEERING	9,300	0	9,300	0	0	0	0	0	0	0	0	0	0	9,300
LAND ACQUISITION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSTRUCTION	40,285	0	40,285	0	0	0	0	0	0	0	0	0	0	40,285
ADMINISTRATION	1,020	0	1,020	0	0	0	0	0	0	0	0	0	0	1,020
Total Expenditures	50,605	0	50,605	0	0	0	0	0	0	0	0	0	0	50,605
BONDS	10,795	0	10,795	0	0	0	0	0	0	0	0	0	0	10,795
DEVELOPER CONTRIBUTION	200	0	200	0	0	0	0	0	0	0	0	0	0	200
GRANTS	12,397	0	12,397	0	0	0	0	0	0	0	0	0	0	12,397
OTHER SOURCES	10,100	0	10,100	0	0	0	0	0	0	0	0	0	0	10,100
PAY AS YOU GO	1,000	0	1,000	0	0	0	0	0	0	0	0	0	0	1,000
STORM DRAINAGE FUND	850	0	850	0	0	0	0	0	0	0	0	0	0	850
WATER QUALITY STATE OR FED LOAN	1,646	0	1,646	0	0	0	0	0	0	0	0	0	0	1,646
STORMWATER UTILTY FUNDING	13,617	0	13,617	0	0	0	0	0	0	0	0	0	0	13,617
Total Funding	50,605	0	50,605	0	0	0	0	0	0	0	0	0	0	50,605

\$48,591,274 spent and encumbered through February 2021

\$49,117,159 spent and encumbered through February 2020

Project Status Des: Sunny Field, Wood Crest, Cherry Tree Farms, Wood Creek, NLCC, Glenmont, Old Willow, Gwynn Pk, Wharff, Yellowbell, Proudfoot Stonehouse, Mellen, Park. Con: Bramhope, Brightwood, Dower, Ducks Foot, Elmmede, Faulkner, Great Drum, Meadowbrook, Old Willow, Paul Mill, Red Hill, Stone Trail, Tall Maple, Threshfield, Tiller, Tuscany, Waverly Woods, Wheatfield, Whiterock, Windflower, Southview, Pinehurst, Dorsey Hall, Bonnie Br, Greenway, Davis Br, Swansfield, HCC, Churchill, Dobbin, Timbers of Troy, Dunloggin, Font Hill Bank, Heatherland, Starling, Woodlot, Maple Dell Farms.

FY 2021 Budget	50,605	0	50,605	0	0	0	0	0	0	0	0	0		50,605
Difference 2021 / 2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0

March 25, 2021

Howard County, MD

Fiscal 2022 Capital Budget Project: D1159-FY2007 STORMWATER MANAGEMENT FACILITY RECONSTRUC

Description

A fund for Howard County to undertake construction or repairs to stormwater management on an as-needed basis meeting the provisions of the County Code. This program is envisioned to provide rapid assistance in emergency situations.

Justification

Howard County Code Section 18.900, which requires inspection and maintenance of storm water management facilities. Metal pipe pond barrels are deteriorating as they reach the end of their expected life and need to be repaired or replaced.

Remarks

1.GRANT funds include local implementation grant from the Chesapeake and Atlantic Coastal Bays 2010 Trust Fund.

2.A portion of prior request represents funding generated from legislation CB-8 & CR21 for stormwater utility funding, known as Watershed Protection and Restoration fund.3.Construction of some projects may be dependent upon donation of the necessary easements and-or property owner cost share participation.

4.OTHER SOURCES represents Stormwater Bonds backed by Watershed Protection and Restoration fund.

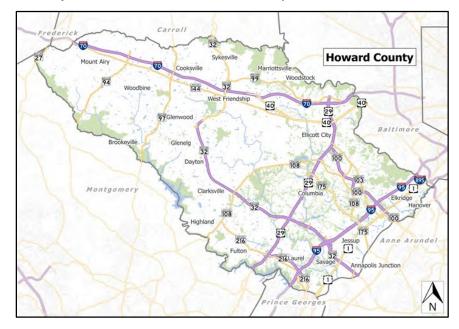
Project Schedule

FY22 - Project is in the financial close out process and will be replaced by D1177.

Operating Budget Impact

No Operating Impact

FY2022 Bonds - Annual Debt Service Payment	0
FY2022 Bonds - 20-Year Total Debt Service Payment	0
Total Project Bonds - Annual Debt Service Payment	1,198,006
Total Project Bonds - 20-Year Total Debt Service Payment	23,960,122



Howard County, MD

STORM DRAINAGE PROJECTS

Project: D1159-FY2007 STORMWATER MANAGEMENT FACILITY RECONSTRUC

(In Thousands)			Five	e Year Ca	pital Prog	Master Plan								
Appropriation Object Class	Prior Appr.	FY2022 Budget	Appr. Total	Fiscal 2023	Fiscal 2024	Fiscal 2025	Fiscal 2026	Fiscal 2027	Sub Total	Fiscal 2028	Fiscal 2029	Fiscal 2030	Fiscal 2031	Total Project
PLANS & ENGINEERING	5,500	0	5,500	0	0	0	0	0	0	0	0	0	0	5,500
LAND ACQUISITION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSTRUCTION	28,125	0	28,125	0	0	0	0	0	0	0	0	0	0	28,125
ADMINISTRATION	1,015	0	1,015	0	0	0	0	0	0	0	0	0	0	1,015
Total Expenditures	34,640	0	34,640	0	0	0	0	0	0	0	0	0	0	34,640
BONDS	15,690	0	15,690	0	0	0	0	0	0	0	0	0	0	15,690
GRANTS	200	0	200	0	0	0	0	0	0	0	0	0	0	200
OTHER SOURCES	400	0	400	0	0	0	0	0	0	0	0	0	0	400
STORMWATER UTILTY FUNDING	18,350	0	18,350	0	0	0	0	0	0	0	0	0	0	18,350
Total Funding	34,640	0	34,640	0	0	0	0	0	0	0	0	0	0	34,640

\$34,269,697 spent and encumbered through February 2021 \$33,975,793 spent and encumbered through February 2020

Project Status Designed: 82 pond repairs

Constructed: Red Clover Dam; Willow Brook; West Zone Highways Shop pond; Rockburn 2; Dunteachin pond; Cromwell Court; Falling Waters; Stratford Downs; Hickory Ridge Village Center; Gateway pond; Shadow Lane repair and dredging; Hickory Ridge LPP; Samuel Morse; Ivy Terrace infiltration; Bonnie Brae; Emily Fox; Bill Lilly; Cypress Bay Court; Lynn Buff; Beech Creek 2; Brightfield; Turf Valley Overlook pond 2; Weston Drive; Blue February; Chestnut Farms outfall; Wimbledon Court; Wetherburn; Angelas Valley; 10 trashrack replacements; Rhode Valley; Emily Fox Ct; Old Mill; Towering Oaks; North Laurel pipe repair; Red Cravat repair and dredging; Glenshire Town; Northgate Woods; Murray Hill 2; Mary Lee Lane; Montgomery Run Pond 2; Winding Star; Longridge Knolls; River Hill 2; River Hill 3; Long Meadow pond; Long Meadow pond 2; North Ridge; Rusty Rim; Sweet Hours; Townhomes of Timberland; Velvet Path; Junction Industrial Park; Fairest Dream; Golden Star 1 and 2; Linden Chapel; Twin Oaks; Terra Maria; Beech Creek; Glenmar Section 2; Many Miles Mew; Kings Meade; Blue River; Diversified Lane.

FY 2021 Budget	34,640	0	34,640	0	0	0	0	0	0	0	0	0		34,640
Difference 2021 / 2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Howard County, MD

Fiscal 2022 Capital Budget Project: D1160-FY2010 STORMWATER MANAGEMENT RETROFITS

Description

A project for the retrofit of stormwater management facilities to include water quality management.

Justification

Numerous facilities built in the early period of stormwater management provide only water quality management. Howard County's Stormwater Management NPDES permit requires the County to improve water quality, in part, through retrofitting existing facilities designed only for water quality management.

Remarks

1. This project replaces D-1141.

2.Grant funds included from the American Recovery and Reinvestment Act and local implementation grant from Chesapeake and Atlantic Coastal Bays 2010 Trust Fund.3.OTHER SOURCES represent Stormwater Bonds backed by Watershed Protection and Restoration fund, plus funds provided to County through Memorandum of Understanding of cost sharing.

4.Construction of some projects may be dependent upon donation of the necessary easements and-or property owner cost share participation.

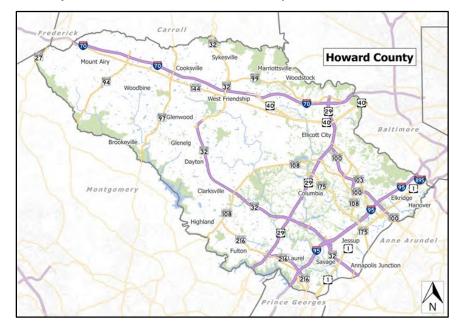
Project Schedule

FY22 - Project is in the financial close out process and will be replaced by D1178.

Operating Budget Impact

Technical-administrative management support.

FY2022 Bonds - Annual Debt Service Payment	0
FY2022 Bonds - 20-Year Total Debt Service Payment	0
Total Project Bonds - Annual Debt Service Payment	526,084
Total Project Bonds - 20-Year Total Debt Service Payment	10,521,685



Howard County, MD

Project: D1160-FY2010 STORMWATER MANAGEMENT RETROFITS

(In Thousands)					Five	e Year Caj		Master Plan						
Appropriation Object Class	Prior	FY2022	Appr.	Fiscal	Fiscal	Fiscal	Fiscal	Fiscal	Sub	Fiscal	Fiscal	Fiscal	Fiscal	Total
	Appr.	Budget	Total	2023	2024	2025	2026	2027	Total	2028	2029	2030	2031	Project
PLANS & ENGINEERING	4,990	0	4,990	0	0	0	0	0	0	0	0	0	0	4,990
CONSTRUCTION	15,425	0	15,425	0	0	0	0	0	0	0	0	0	0	15,425
ADMINISTRATION	620	0	620	0	0	0	0	0	0	0	0	0	0	620
Total Expenditures	21,035	0	21,035	0	0	0	0	0	0	0	0	0	0	21,035
BONDS	6,890	0	6,890	0	0	0	0	0	0	0	0	0	0	6,890
GRANTS	4,495	0	4,495	0	0	0	0	0	0	0	0	0	0	4,495
OTHER SOURCES	4,750	0	4,750	0	0	0	0	0	0	0	0	0	0	4,750
STORMWATER UTILTY FUNDING	4,900	0	4,900	0	0	0	0	0	0	0	0	0	0	4,900
Total Funding	21,035	0	21,035	0	0	0	0	0	0	0	0	0	0	21,035

\$19,216,217 spent and encumbered through February 2021

\$18,754,976 spent and encumbered through February 2020

Project Status In Design: Quaker Mill Court; Wood Crest Drive; Country Meadows; Patapsco Park Estates; Sewells Orchard; Junction Industrial Parcel R. Constructed: Lynwood Manor; Deep Earth Lane; Recreation and Parks HQ; Turf Valley Overlook Pond 3; Rockburn Branch Park; Country Lane (2 ponds); Oak West Drive; Wilde Lake HS; Turf Valley Overlook pond 2; Whitworth Way; Wimbledon Court; Stevens Forest ES; Dorsey Hall Village Center; Mt Hebron High School; Cedar Lane Park; Baltimore-Washington Industrial Park; Howard County Center for the Arts; St Johns Green; River Hill Shallow Marsh; Dorsey Building Parking Lot; Atholton Park; Ashmede Road pond; Salterforth ponds 1 and 2; Students Branching Out tree planting; Garland Road; Heritage Woods; Governor Martin outfall; Waiting Springs; Ellicott View; Ashton Woods; Trinity School..

FY 2021 Budget	21,035	0	21,035	0	0	0	0	0	0	0	0	0		21,035
Difference 2021 / 2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Howard County, MD

Fiscal 2022 Capital Budget Project: D1161-FY2019 SHAFFERSVILLE ROAD CULVERT REPLACEMENT

STORM DRAINAGE PROJECTS

Description

A project to replace the existing culverts on Shaffersville Road (between Florence Road and Shaffers Mill Road) and on Shaffers Mill Road between Shaffersville Road and Florence Road.

Justification

Requested by the Bureau of Highways. The existing culvert floods regularly necessitating the closure of the road. This is a maintenance problem for the Bureau of Highways and an inconvenience to the traveling public.

Remarks

Shaffersville Road and Shaffers Mill Road are scenic roads.

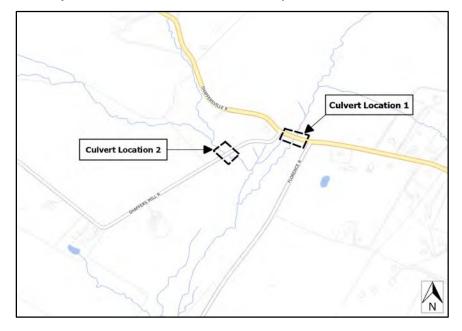
Project Schedule

FY22 - Design and Land Acquisition FY23 - Construction

Operating Budget Impact

Estimated annual maintenance costs upon completion: Decrease.

FY2022 Bonds - Annual Debt Service Payment	0
FY2022 Bonds - 20-Year Total Debt Service Payment	0
Total Project Bonds - Annual Debt Service Payment	87,808
Total Project Bonds - 20-Year Total Debt Service Payment	1,756,159



Explanation of Changes

The total project cost has changed resulting from the addition of a second culvert location to the project.

Howard County, MD

STORM DRAINAGE PROJECTS

Project: D1161-FY2019 SHAFFERSVILLE ROAD CULVERT REPLACEMENT

(In Thousands)					Five	Master Plan								
Appropriation Object Class	Prior Appr.	FY2022 Budget	Appr. Total	Fiscal 2023	Fiscal 2024	Fiscal 2025	Fiscal 2026	Fiscal 2027	Sub Total	Fiscal 2028	Fiscal 2029	Fiscal 2030	Fiscal 2031	Total Project
PLANS & ENGINEERING	175	0	175	0	0	0	0	0	0	0	0	0	0	175
LAND ACQUISITION	75	0	75	0	0	0	0	0	0	0	0	0	0	75
CONSTRUCTION	0	0	0	0	0	900	0	0	900	0	0	0	0	900
Total Expenditures	250	0	250	0	0	900	0	0	900	0	0	0	0	1,150
BONDS	250	0	250	0	0	900	0	0	900	0	0	0	0	1,150
Total Funding	250	0	250	0	0	900	0	0	900	0	0	0	0	1,150

\$54,106 spent and encumbered through February 2021

\$40,223 spent and encumbered through February 2020

Project Status FY21 - Shaffers Mill Road replacement culverts under construction.

FY 2021 Budget	250	900	1,150	0	0	0	0	0	0	0	0	0		1,150
Difference 2021 / 2022	0	(900)	(900)	0	0	900	0	0	900	0	0	0	0	0

The scope of the project was broadened to include a second culvert on Shaffers Mill Road. Funds for the design of the additional culvert have been requested for FY21.

Howard County, MD

Fiscal 2022 Capital Budget Project: D1164-FY2013 COMMUNITY ENVIRONMENTAL PARTNERSHIPS

Description

This project is for design and construction of Environmental Site Design (ESD) small scale storm water facilities. The project will include retrofit of County owned roads, as well as, incentives for property owners to install ESD facilities and non-turf landscape alternatives to provide treatment of storm water runoff from impervious surfaces on their property.

Justification

Additional treatment of storm water runoff is needed to support efforts consistent with the Chesapeake Bay Total Maximum Daily Load for nitrogen and phosphorus established in 2010 by the US EPA. These requirements are further specified in Maryland's Phase II Watershed Implementation Plan, as well as, the Municipal Separate Storm Sewer discharge (MS4) permit issued to Howard County, both issued by the Maryland Department of the Environment in support of the TMDL.

Remarks

1.Participation by residents and landscape service companies will be encouraged by outreach and education efforts and by cost sharing ESD implementation and landscaping modifications with property owners.

2.OTHER funding represents - A portion of current request represents funding to be generated from legislation CB-8 & CR21 for stormwater utility funding, known as Watershed Protection and Restoration fund.

3.Construction of some projects may be dependent upon donation of the necessary easements and-or property owner cost share participation.

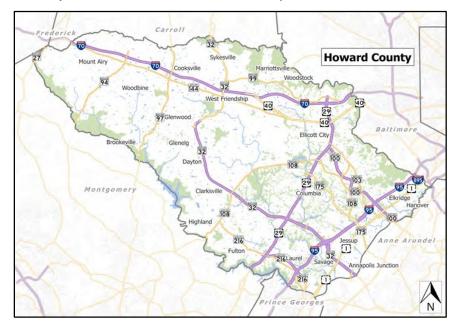
Project Schedule

FY22 - Provide additional funding for Howard EcoWorks, formerly READY.

Operating Budget Impact

No Operating Impact

FY2022 Bonds - Annual Debt Service Payment	0
FY2022 Bonds - 20-Year Total Debt Service Payment	0
Total Project Bonds - Annual Debt Service Payment	3,818
Total Project Bonds - 20-Year Total Debt Service Payment	76,355



Howard County, MD

Project: D1164-FY2013 COMMUNITY ENVIRONMENTAL PARTNERSHIPS

(In Thousands)	Five Year Capital Program										Master Plan						
Appropriation Object Class	Prior	FY2022	Appr.	Fiscal	Fiscal	Fiscal	Fiscal	Fiscal	Sub	Fiscal	Fiscal	Fiscal	Fiscal	Total			
	Appr.	Budget	Total	2023	2024	2025	2026	2027	Total	2028	2029	2030	2031	Project			
PLANS & ENGINEERING	700	0	700	0	0	0	0	0	0	0	0	0	0	700			
CONSTRUCTION	4,000	400	4,400	400	400	0	0	0	800	0	0	0	0	5,200			
Total Expenditures	4,700	400	5,100	400	400	0	0	0	800	0	0	0	0	5,900			
BONDS	50	0	50	0	0	0	0	0	0	0	0	0	0	50			
OTHER SOURCES	0	400	400	400	400	0	0	0	800	0	0	0	0	1,200			
PAY AS YOU GO	1,400	0	1,400	0	0	0	0	0	0	0	0	0	0	1,400			
STORMWATER UTILTY FUNDING	3,250	0	3,250	0	0	0	0	0	0	0	0	0	0	3,250			
Total Funding	4,700	400	5,100	400	400	0	0	0	800	0	0	0	0	5,900			

\$4,475,000 spent and encumbered through February 2021 \$4,075,000 spent and encumbered through February 2020

Project Status

Provided partial funding for READY grant, a.k.a. Howard EcoWorks.

Performed concept grading, soil borings, and survey for Ellicott City Parking Lot E.

Performed design & construction for Savage Library water quality enhancements.

Howard EcoWorks performed BMP maintenance and construction of rain gardens and bioretention areas.

FY 2021 Budget	4,700	400	5,100	400	400	400	400	0	1,600	0	0	0		6,700
Difference 2021 / 2022	0	0	0	0	0	(400)	(400)	0	(800)	0	0	0	0	(800)

Howard County, MD

Fiscal 2022 Capital Budget ST Project: D1165-FY2013 FLOOD MITIGATION and STORMWATER/WATERWAY ENHANCEMENT

Description

This project is for the study, design, and construction of flood mitigation and stormwater waterway enhancement efforts in downtown Ellicott City. Projects may include drainage improvements, stormwater retrofits, flood control, stream improvements, and design of additional drainage facilities.

Justification

Ellicott City has the potential to suffer significant flood damage.

Remarks

1.FY21 GRANT represents anticipated additional Hazard Mitigation Grant Program funding 8600 Main Street culvert project.

2.OTHER SOURCES represents Stormwater Bonds backed by Watershed Protection and Restoration fund.

3.Construction of some projects may be dependent upon donation of the necessary easements and-or property owner cost share participation.

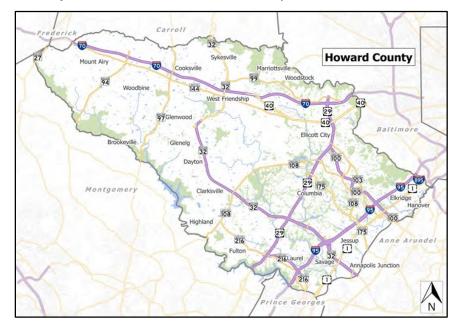
Project Schedule

FY22 - Design H-4 pond project and construct channel from Courthouse Drive to Lot F.

Operating Budget Impact

No Operating Impact

FY2022 Bonds - Annual Debt Service Payment	0
FY2022 Bonds - 20-Year Total Debt Service Payment	0
Total Project Bonds - Annual Debt Service Payment	320,690
Total Project Bonds - 20-Year Total Debt Service Payment	6,413,800



Howard County, MD

STORM DRAINAGE PROJECTS

Project: D1165-FY2013 FLOOD MITIGATION and STORMWATER/WATERWAY ENHANCEMENT

(In Thousands)				Five	e Year Caj		Master Plan							
Appropriation Object Class	Prior Appr.	FY2022 Budget	Appr. Total	Fiscal 2023	Fiscal 2024	Fiscal 2025	Fiscal 2026	Fiscal 2027	Sub Total	Fiscal 2028	Fiscal 2029	Fiscal 2030	Fiscal 2031	Total Project
PLANS & ENGINEERING	2,825	0	2,825	0	0	0	0	0	0	0	0	0	0	2,825
LAND ACQUISITION	1,000	0	1,000	0	0	0	0	0	0	0	0	0	0	1,000
CONSTRUCTION	17,187	0	17,187	0	0	0	0	0	0	0	0	0	0	17,187
ADMINISTRATION	250	0	250	0	0	0	0	0	0	0	0	0	0	250
Total Expenditures	21,262	0	21,262	0	0	0	0	0	0	0	0	0	0	21,262
BONDS	4,200	0	4,200	0	0	0	0	0	0	0	0	0	0	4,200
GRANTS	6,787	0	6,787	0	0	0	0	0	0	0	0	0	0	6,787
OTHER SOURCES	5,400	0	5,400	0	0	0	0	0	0	0	0	0	0	5,400
PAY AS YOU GO	2,475	0	2,475	0	0	0	0	0	0	0	0	0	0	2,475
STORMWATER UTILTY FUNDING	2,400	0	2,400	0	0	0	0	0	0	0	0	0	0	2,400
Total Funding	21,262	0	21,262	0	0	0	0	0	0	0	0	0	0	21,262

\$17,243,848 spent and encumbered through February 2021

\$16,670,753 spent and encumbered through February 2020

Project Status Preliminary assessment - Howard Bldg and Court House parking lot SWM, Emory St|Church Rd|Maryland Ave|St Paul St drainage improvement. Design initiated - Historic Colored School slope repair, Pond T1, Pond H7, 8600 Main Street culvert.

Construction completed - Parking Lot B WQ improvements, Parking Lot E, Ellicott Mills Dr culvert, New Cut Road slope repair.

Post July 2016 Flood Damage Repairs - Maplewood pond, Ellicott Mills Brewery wall, Precious Gifts wall, Hi Ho Silver wall, Lot E to Lot F wall, 8659 Main St, Parking Lot E NE corner wall, Main St wall at 84-inch culvert, stream channel woody debris removal.

Studies - 2D H&H model after TS Lee, July 2016, May 2018 flood events, Tiber Branch Watershed, Corps of Engineers Floodproofing Report.

FY 2021 Budget	21,262	5,200	26,462	0	0	0	0	0	0	0	0	0		26,462
Difference 2021 / 2022	0	(5,200)	(5,200)	0	0	0	0	0	0	0	0	0	0	(5,200)

1. TAO 1-2017 transferred \$550,000 Grant revenue to D1158. 2. CB 3-2017 added \$1,700,000 in Pay as you Go funding for unanticipated expenses related to Ellicott City flood response and recovery efforts.

Howard County, MD

Fiscal 2022 Capital Budget Project: D1168-FY2015 MORGAN WOODBINE ROAD SLOPE STABILIZATION

Description

A project to design and construct stabilization of the roadway embankment of Morgan Woodbine Road adjacent to the South Branch of the Patapsco River.

Justification

The roadway embankment is being eroded by the force of the river adjacent to the roadway. Previous attempts to stabilize the embankment have only been successful on a temporary basis. This project will develop a permanent stabilization. Project requested by the Bureau of Highways.

Remarks

Project Schedule

FY27 - Construction

Operating Budget Impact

Estimated annual maintenance costs upon completion: Decrease.

FY2022 Bonds - Annual Debt Service Payment	0
FY2022 Bonds - 20-Year Total Debt Service Payment	0
Total Project Bonds - Annual Debt Service Payment	70,628
Total Project Bonds - 20-Year Total Debt Service Payment	1,412,563



Howard County, MD

STORM DRAINAGE PROJECTS

Project: D1168-FY2015 MORGAN WOODBINE ROAD SLOPE STABILIZATION

(In Thousands)					Five	Year Ca	oital Prog	Iram			Master Plan					
Appropriation Object Class	Prior	FY2022	Appr.	Fiscal	Fiscal	Fiscal	Fiscal	Fiscal	Sub	Fiscal	Fiscal	Fiscal	Fiscal	Total		
	Appr.	Budget	Total	2023	2024	2025	2026	2027	Total	2028	2029	2030	2031	Project		
PLANS & ENGINEERING	200	0	200	0	0	0	0	50	50	0	0	0	0	250		
LAND ACQUISITION	25	0	25	0	0	0	0	0	0	0	0	0	0	2		
CONSTRUCTION	0	0	0	0	0	0	0	650	650	0	0	0	0	650		
Total Expenditures	225	0	225	0	0	0	0	700	700	0	0	0	0	92		
BONDS	225	0	225	0	0	0	0	700	700	0	0	0	0	92		
Total Funding	225	0	225	0	0	0	0	700	700	0	0	0	0	92		

Project Status FY21 - Land acquisition in progress.

FY 2021 Budget	225	0	225	0	0	0	0	700	700	0	0	0		925
Difference 2021 / 2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Project schedule|funding changed due to funding constraint.

Howard County, MD

Description

This program will provide for the repair and replacement of failed storm drain pipes and culverts. The County's storm drain infrastructure is aging and many of the metal pipe culverts installed from 1960 through the 1990s have reached the end of their service life. Currently no asset inventory with condition assessment exists; therefore no funding is programmed to systematic replacement of these pipes and culverts. The program will provide for emergency culvert repair and replacement and funding assist in the development of an asset inventory program to better forecast future replacement needs. The program includes: storm water pipe and culvert repair and replacement of metal, HDPE, and concrete in less than six (6) feet in roadway longitudinal length, headwalls, end sections, replacement, or extension of culverts to assure positive flow of storm water and channeling of storm water into existing ditch lines or structures. Repairs include roadside pipe and culvert end treatment safety improvements to eliminate safety hazards. This project will not change the location or size of existing storm drainage structures.

Justification

Program addresses emergency pipe replacement of aging metal, HDPE, and concrete pipes that have reached the end of their service life. Pipe failures have resulted in unacceptable levels of deep depressions, sinkholes, sediment build up, open pipe joints and metal pipe inverts. Poor existing storm drain conditions. Needed repairs will improve safety and reduce the potential for hazards and associated public inconvenience. Failure of a storm drain pipe will require emergency repairs at much higher prices. This program will also provide some funding towards the development of an asset inventory of the storm drain system, including pipe and culvert conditions for future funding forecasting.

Remarks

County owns and maintains approximately 3,543,100 linear feet (671 miles) of storm drains and approximately 13,000 each of storm drain inlet structures.

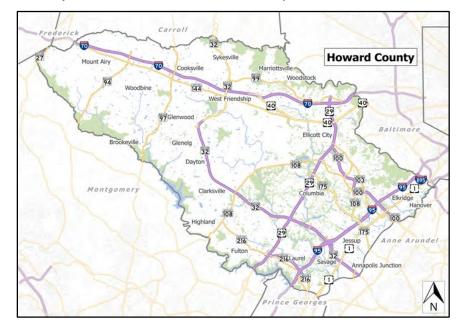
Project Schedule

Approximately 0.3 mile of storm drains (depends on the depth of deteriorated storm drains) replaced per \$1M budgeted. Close at program completion

Operating Budget Impact

No Operating Impact

FY2022 Bonds - Annual Debt Service Payment	171,798
FY2022 Bonds - 20-Year Total Debt Service Payment	3,435,964
Total Project Bonds - Annual Debt Service Payment	2,031,037
Total Project Bonds - 20-Year Total Debt Service Payment	40,620,730



Explanation of Changes

Project includes cost updates for all years based on actual estimated project costs.

Howard County, MD

STORM DRAINAGE PROJECTS

Project: D1169-FY2016 STORM DRAIN CULVERT REPLACEMENT PROGRAM

In Thousands)	Five Year Capital Program									Master Plan						
ppropriation Object Class	Prior Appr.	FY2022 Budget	Appr. Total	Fiscal 2023	Fiscal 2024	Fiscal 2025	Fiscal 2026	Fiscal 2027	Sub Total	Fiscal 2028	Fiscal 2029	Fiscal 2030	Fiscal 2031	Total Project		
PLANS & ENGINEERING	500	0	500	0	0	0	0	0	0	0	0	0	0	500		
CONSTRUCTION	4,600	2,250	6,850	2,250	2,250	2,100	2,350	2,300	11,250	2,000	2,000	2,000	2,000	26,100		
Total Expenditures	5,100	2,250	7,350	2,250	2,250	2,100	2,350	2,300	11,250	2,000	2,000	2,000	2,000	26,600		
BONDS	5,100	2,250	7,350	2,250	2,250	2,100	2,350	2,300	11,250	2,000	2,000	2,000	2,000	26,600		
Total Funding	5,100	2,250	7,350	2,250	2,250	2,100	2,350	2,300	11,250	2,000	2,000	2,000	2,000	26,600		

\$4,555,188 spent and encumbered through February 2021 \$4,179,463 spent and encumbered through February 2020 Project Status

FY 2021 Budget	5,100	2,000	7,100	2,000	2,000	2,000	2,000	2,000	10,000	2,000	2,000	2,000		23,100
Difference 2021 / 2022	0	250	250	250	250	100	350	300	1,250	0	0	0	2,000	3,500

March 25, 2021

Howard County, MD

Fiscal 2022 Capital Budget Project: D1175-FY-2018 VALLEY MEDE/CHATHAM FLOOD MITIGATION

Description

This project is for the study, design and construction of flood mitigation and stormwater waterway improvement efforts in the Valley Mede and Chatham subwatersheds. Projects may include drainage improvements, stormwater retrofits, flood control, stream improvements, and design of additional drainage facilities.

Justification

Valley Mede and Chatham subwatersheds have the potential to suffer significant flood damage.

Remarks

1. Future years, once projects cost-benefits determined, apply for FEMA grants 2.OTHER SOURCES represents Stormwater Bonds backed by Watershed Protection and Restoration fund, plus funds provided to County through Memorandums of Understanding for cost sharing with MD State Highway Administration.

3.Construction of some projects may be dependent upon donation of the necessary easements and-or property owner cost share participation.

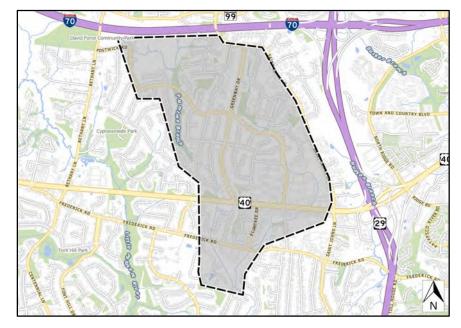
Project Schedule

FY22 - Continue design and construction of projects identified in Plumtree-Little Plumtree study including North Chatham Rd drainage project (MSHA cost share), Michaels Way drainage improvements, and culvert upgrades.

Operating Budget Impact

No Operating Impact

FY2022 Bonds - Annual Debt Service Payment	53,448
FY2022 Bonds - 20-Year Total Debt Service Payment	1,068,967
Total Project Bonds - Annual Debt Service Payment	320,690
Total Project Bonds - 20-Year Total Debt Service Payment	6,413,800



Explanation of Changes

FY21 budget projection includes funding construction in FY22 for projects under design and permitting in FY21.

Howard County, MD

Project: D1175-FY-2018 VALLEY MEDE/CHATHAM FLOOD MITIGATION

(In Thousands)	Five Year Capital Program									Master Plan						
Appropriation Object Class	Prior	FY2022	Appr.	Fiscal	Fiscal	Fiscal	Fiscal	Fiscal	Sub	Fiscal	Fiscal	Fiscal	Fiscal	Total		
	Appr.	Budget	Total	2023	2024	2025	2026	2027	Total	2028	2029	2030	2031	Project		
PLANS & ENGINEERING	950	0	950	0	0	0	0	0	0	0	0	0	0	950		
LAND ACQUISITION	2,500	0	2,500	0	0	0	0	0	0	0	0	0	0	2,500		
CONSTRUCTION	2,900	700	3,600	0	0	0	0	0	0	0	0	0	0	3,600		
ADMINISTRATION	50	0	50	0	0	0	0	0	0	0	0	0	0	50		
Total Expenditures	6,400	700	7,100	0	0	0	0	0	0	0	0	0	0	7,100		
BONDS	3,500	700	4,200	0	0	0	0	0	0	0	0	0	0	4,200		
OTHER SOURCES	2,900	0	2,900	0	0	0	0	0	0	0	0	0	0	2,900		
Total Funding	6,400	700	7,100	0	0	0	0	0	0	0	0	0	0	7,100		

\$4,036,271 spent and encumbered through February 2021

\$2,618,459 spent and encumbered through February 2020

Project Status Constructed Longview stream project and Greenway Drive storm drain improvements.

Design Paulskirk Drive, Greenway Drive, Michaels Way storm drain improvements.

Assess Valley Mede roadway culverts and begin design.

Assess North Chatham channel and drainage improvements and begin design.

Acquired 9509, 9513 and 9514 Longview Drive and 9520 Frederick Road and removed houses. Acquired 9506 Longview Drive.

FY 2021 Budget	6,400	1,000	7,400	1,000	1,000	0	0	0	2,000	0	0	0		9,400
Difference 2021 / 2022	0	(300)	(300)	(1,000)	(1,000)	0	0	0	(2,000)	0	0	0	0	(2,300)

TAO #1-2019 transfers in \$1,000,000. FY20 budget request increased slightly from what was projected for FY20 in the FY19 budget request due to the identification of specific projects and initial design work performed during FY19.

Howard County, MD

Description

This project is for design and construction of stormwater facility improvements. The project will include NPDES stormwater management implementation requirements, floodplain studies, including retrofitting of stormwater management ponds, restoration and certification of detention basins, continued improvement of flood alert systems, streambank restoration including bio-engineering, water quality devices (such as wetlands), storm drainage and storm drain outfall stabilization, channel restoration and water quality monitoring studies.

Justification

1. NPDES Program is required by EPA and MDE under the Clean Water Act. 2.Watershed management of floodplains is needed to provide additional protection for older communities.

3. Erosion of tributaries of the Patapsco and Patuxent Rivers needs to be addressed.

Remarks

1. This project replaces D-1158.

2.GRANT funds include local implementation grant from Chesapeake and Atlantic Coastal Bays 2010 Trust Fund, Economic Development Administration, and FEMA.

3.A portion of current request represents funding to be generated from legislation CB-8 and CR21 for stormwater utility funding, known as Watershed Protection and Restoration fund. 4.OTHER SOURCES represent Stormwater Bonds backed by Watershed Protection and Restoration fund, plus funds provided to County through Memorandums of Understandings for cost sharings.

5. Construction of some projects may be dependent upon donation of the necessary easements and-or property owner cost share participation.

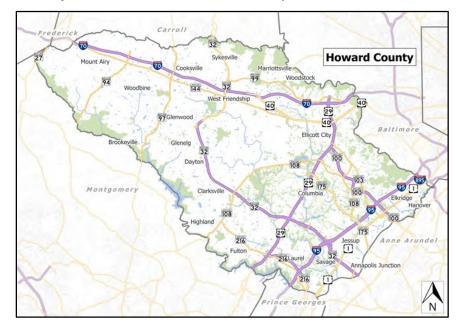
Project Schedule

FY22 - Construction: Mellen Court, Woodcrest Drive, Sunny Field Court. Post Construction Monitoring: Multiple sites. Storm Drain Verification & GIS update. Design: New Cut Road stream.

Operating Budget Impact

No Operating Impact

FY2022 Bonds - Annual Debt Service Payment	0
FY2022 Bonds - 20-Year Total Debt Service Payment	0
Total Project Bonds - Annual Debt Service Payment	0
Total Project Bonds - 20-Year Total Debt Service Payment	0



Howard County, MD

Project: D1176-WATERSHED MANAGEMENT CONSTRUCTION

(In Thousands)					Five	e Year Cap	oital Prog		Master Plan					
Appropriation Object Class	Prior	FY2022	Appr.	Fiscal	Fiscal	Fiscal	Fiscal	Fiscal	Sub	Fiscal	Fiscal	Fiscal	Fiscal	Total
	Appr.	Budget	Total	2023	2024	2025	2026	2027	Total	2028	2029	2030	2031	Project
PLANS & ENGINEERING	1,100	400	1,500	200	200	0	0	0	400	0	0	0	0	1,900
LAND ACQUISITION	100	0	100	0	0	0	0	0	0	0	0	0	0	100
CONSTRUCTION	6,200	3,600	9,800	3,000	1,800	1,200	0	0	6,000	0	0	0	0	15,800
ADMINISTRATION	100	0	100	0	0	0	0	0	0	0	0	0	0	100
Total Expenditures	7,500	4,000	11,500	3,200	2,000	1,200	0	0	6,400	0	0	0	0	17,900
GRANTS	2,000	1,800	3,800	1,000	1,000	1,000	0	0	3,000	0	0	0	0	6,800
OTHER SOURCES	4,300	2,200	6,500	2,200	1,000	200	0	0	3,400	0	0	0	0	9,900
STORMWATER UTILTY FUNDING	1,200	0	1,200	0	0	0	0	0	0	0	0	0	0	1,200
Total Funding	7,500	4,000	11,500	3,200	2,000	1,200	0	0	6,400	0	0	0	0	17,900

\$3,241,009 spent and encumbered through February 2021

\$1,481,353 spent and encumbered through February 2020

Project Status New capital project to replace D1158.

Design initiated - Bonnie Branch Phase 2, Pirch Way, Valley Road storm drain, Wharffs Lane.

Construction initiated - Old Willow Way Phase 2. Post construction monitoring performed for multiple projects.

Construction complete - Pirch Way, Valley Road storm drain, Cherry Tree Farms, Sucker Branch Trib 2|5.

FY 2021 Budget	7,500	2,500	10,000	2,500	3,000	3,400	3,400	0	12,300	0	0	0		22,300
Difference 2021 / 2022	0	1,500	1,500	700	(1,000)	(2,200)	(3,400)	0	(5,900)	0	0	0	0	(4,400)

Howard County, MD

Fiscal 2022 Capital Budget Project: D1177-STORMWATER MANAGEMENT FACILITY RECONSTRUCTION

Description

A fund for Howard County to undertake construction or repairs to stormwater management on an as-needed basis meeting the provisions of the County Code. This program is envisioned to provide rapid assistance in emergency situations.

Justification

Howard County Code Section 18.900, which requires inspection and maintenance of storm water management facilities. Metal pipe pond barrels are deteriorating as they reach the end of their expected life and need to be repaired or replaced. Sediment that has accumulated in ponds needs to be dredged.

Remarks

1. This project replaces D-1159.

2.A portion of current request represents funding to be generated from legislation CB-8 & CR21 for stormwater utility funding, known as Watershed Protection and Restoration fund.3.Construction of some projects many be dependent upon donation of the necessary easements and-or property owner cost share participation.

4.OTHER SOURCES represents Stormwater Bonds backed by Watershed Protection and Restoration fund.

Project Schedule

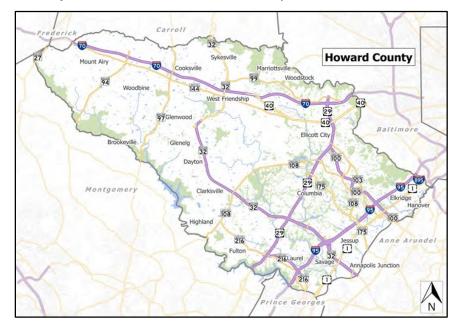
FY22 - Design: 3 stormwater management pond outlet structure repairs-replacements

FY22 - Construction: 7 stormwater management pond outlet structure repairs-replacements

Operating Budget Impact

No Operating Impact

FY2022 Bonds - Annual Debt Service Payment	0
FY2022 Bonds - 20-Year Total Debt Service Payment	0
Total Project Bonds - Annual Debt Service Payment	15,271
Total Project Bonds - 20-Year Total Debt Service Payment	305,419



Howard County, MD

STORM DRAINAGE PROJECTS

Project: D1177-STORMWATER MANAGEMENT FACILITY RECONSTRUCTION

(In Thousands)					Five	Year Cap	oital Prog	gram				Master P	lan	
Appropriation Object Class	Prior	FY2022	Appr.	Fiscal	Fiscal	Fiscal	Fiscal	Fiscal	Sub	Fiscal	Fiscal	Fiscal	Fiscal	Total
	Appr.	Budget	Total	2023	2024	2025	2026	2027	Total	2028	2029	2030	2031	Project
PLANS & ENGINEERING	600	600	1,200	400	400	200	0	0	1,000	0	0	0	0	2,200
LAND ACQUISITION	100	0	100	0	0	0	0	0	0	0	0	0	0	100
CONSTRUCTION	10,400	8,500	18,900	6,600	4,200	1,300	0	0	12,100	0	0	0	0	31,000
ADMINISTRATION	200	0	200	0	0	0	0	0	0	0	0	0	0	200
Total Expenditures	11,300	9,100	20,400	7,000	4,600	1,500	0	0	13,100	0	0	0	0	33,500
BONDS	200	0	200	0	0	0	0	0	0	0	0	0	0	200
GRANTS	0	1,500	1,500	0	0	0	0	0	0	0	0	0	0	1,500
OTHER SOURCES	6,100	7,600	13,700	7,000	4,600	1,500	0	0	13,100	0	0	0	0	26,800
STORMWATER UTILTY FUNDING	5,000	0	5,000	0	0	0	0	0	0	0	0	0	0	5,000
Total Funding	11,300	9,100	20,400	7,000	4,600	1,500	0	0	13,100	0	0	0	0	33,500

\$5,331,611 spent and encumbered through February 2021 \$3,413,984 spent and encumbered through February 2020

Project Status New capital project to replace D1159.

Design initiated - Whiskey Bottom West, Scottswood Court

Construction initiated - Cardinal Forest, Mayfield Manor, Nottingham Village.

Construction complete - Strawberry Fields, Hi Tech Road, Autumn Manor, Woodcrest, Calvert Ridge.

FY 2021 Budget	11,300	1,700	13,000	1,700	700	1,200	1,100	0	4,700	0	0	0		17,700
Difference 2021 / 2022	0	7,400	7,400	5,300	3,900	300	(1,100)	0	8,400	0	0	0	0	15,800

Howard County, MD

Fiscal 2022 Capital Budget Project: D1178-STORMWATER MANAGEMENT RETROFITS

STORM DRAINAGE PROJECTS

Description

A project for the retrofit of stormwater management facilities to include water quality management.

Justification

Numerous facilities built in the early period of stormwater management provide only water quantity management. Howard County's Stormwater Management NPDES permit requires the County to improve water quality, in part, through retrofitting existing facilities designed only for water quantity management.

Remarks

1. This project replaces D-1160.

2.A portion of request represents funding to be generated from legislation CB-8 and CR21 for stormwater utility funding, known as Watershed Protection and Restoration fund.3.OTHER SOURCES represent Stormwater Bonds backed by Watershed Protection and Restoration fund, plus funds provided to County through Memorandum of Understanding of cost sharing.

4.Construction of some projects may be dependent upon donation of the necessary easements and-or property owner cost share participation.

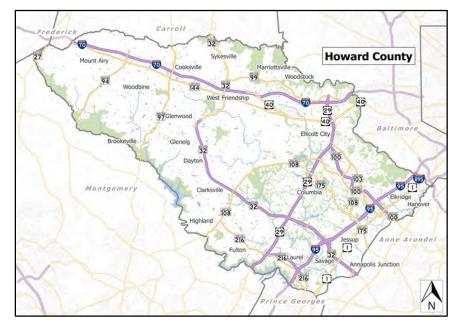
Project Schedule

FY22 - Complete construction of Sewells Orchard pond.

Operating Budget Impact

No Operating Impact

FY2022 Bonds - Annual Debt Service Payment	0
FY2022 Bonds - 20-Year Total Debt Service Payment	0
Total Project Bonds - Annual Debt Service Payment	755,912
Total Project Bonds - 20-Year Total Debt Service Payment	15,118,242



Howard County, MD

Project: D1178-STORMWATER MANAGEMENT RETROFITS

(In Thousands)					Five	Year Cap	oital Prog	Iram				Master P	lan	
Appropriation Object Class	Prior Appr.	FY2022 Budget	Appr. Total	Fiscal 2023	Fiscal 2024	Fiscal 2025	Fiscal 2026	Fiscal 2027	Sub Total	Fiscal 2028	Fiscal 2029	Fiscal 2030	Fiscal 2031	Total Project
PLANS & ENGINEERING	300	0	300	100	100	100	100	100	500	100	100	100	100	1,200
LAND ACQUISITION	100	0	100	0	0	0	0	0	0	0	0	0	0	100
CONSTRUCTION	2,250	0	2,250	1,000	1,000	1,000	1,000	1,000	5,000	1,000	1,000	1,000	1,000	11,250
ADMINISTRATION	50	0	50	0	0	0	0	0	0	0	0	0	0	50
Total Expenditures	2,700	0	2,700	1,100	1,100	1,100	1,100	1,100	5,500	1,100	1,100	1,100	1,100	12,600
BONDS	0	0	0	1,100	1,100	1,100	1,100	1,100	5,500	1,100	1,100	1,100	1,100	9,900
OTHER SOURCES	2,700	0	2,700	0	0	0	0	0	0	0	0	0	0	2,700
Total Funding	2,700	0	2,700	1,100	1,100	1,100	1,100	1,100	5,500	1,100	1,100	1,100	1,100	12,600
\$525,838 spent and encumberd \$24,525 spent and encumbered Project Status New capital proje Construction initiated - Sewells C Construction complete - Gwynn	d through Fe ect to replace Orchard pond.	bruary 20 D1160.	20	outfall.										
FY 2021 Budget	2,700	0	2,700	0	500	500	500	0	1,500	0	0	0		4,200
Difference 2021 / 2022	0	0	0	1,100	600	600	600	1,100	4,000	1,100	1,100	1,100	1,100	8,400

Howard County, MD

Fiscal 2022 Capital Budget Project: D1180 - FY2021 TIBER WATERSHED IMPROVEMENTS

Description

A project for the design and construction of varying sized drainage and stormwater management projects within the Tiber Watershed.

Justification

This watershed was significantly impacted by recent flooding events. Additionally, many of the existing drainage conveyance systems have reached the end of their useful service life and need to be replaced. Much of the development within the watershed predates current storm water management requirements. This program will address these issues.

Remarks

1. Construction of some projects may be dependent upon donations from adjacent property owners.

2. This program implements recommendations from study done under CB56-2018.

Project Schedule

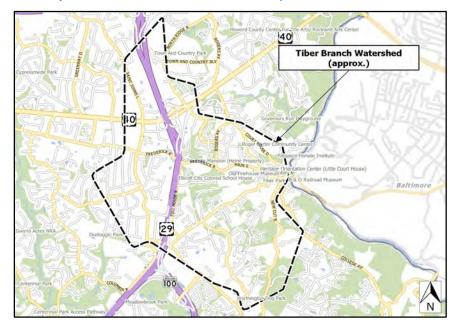
FY22 - Design and construction

FY23 - Construction

Operating Budget Impact

No Operating Impact

FY2022 Bonds - Annual Debt Service Payment	0
FY2022 Bonds - 20-Year Total Debt Service Payment	0
Total Project Bonds - Annual Debt Service Payment	76,355
Total Project Bonds - 20-Year Total Debt Service Payment	1,527,095



Howard County, MD

STORM DRAINAGE PROJECTS

Project: D1180 - FY2021 TIBER WATERSHED IMPROVEMENTS

(In Thousands)		Five Year Capital Program										Master Plan						
Appropriation Object Class	Prior Appr.	FY2022 Budget	Appr. Total	Fiscal 2023	Fiscal 2024	Fiscal 2025	Fiscal 2026	Fiscal 2027	Sub Total	Fiscal 2028	Fiscal 2029	Fiscal 2030	Fiscal 2031	Total Project				
PLANS & ENGINEERING	150	0	150	0	150	0	0	0	150	0	0	0	0	300				
LAND ACQUISITION	100	0	100	0	0	0	0	0	0	0	0	0	0	100				
CONSTRUCTION	250	0	250	0	350	0	0	0	350	0	0	0	0	600				
Total Expenditures	500	0	500	0	500	0	0	0	500	0	0	0	0	1,000				
BONDS	500	0	500	0	500	0	0	0	500	0	0	0	0	1,000				
Total Funding	500	0	500	0	500	0	0	0	500	0	0	0	0	1,000				

\$0 spent and encumbered through February 2021

\$0 spent and encumbered through February 2020

Project Status FY21 – Design of various watershed improvements is underway

FY 2021 Budget	500	500	1,000	500	0	0	0	0	500	0	0	0		1,500
Difference 2021 / 2022	0	(500)	(500)	(500)	500	0	0	0	0	0	0	0	0	(500)

Howard County, MD

Fiscal 2022 Capital Budget Project: D1181 - FY2021 PLUM TREE WATERSHED IMPROVEMENTS

Description

A project for the design and construction of varying sized drainage and stormwater management projects within the Plum Tree Watershed.

Justification

This watershed was significantly impacted by recent flooding events. Additionally, many of the existing drainage conveyance systems have reached the end of their useful service life and need to be replaced. Much of the development within the watershed predates current storm water management requirements. This program will address these issues

Remarks

1. Construction of some projects may be dependent upon donations from adjacent property owners.

2. This program implements recommendations from study done under CB56-2018.

Project Schedule

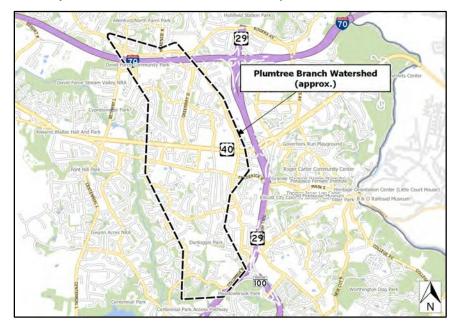
FY22 - Design and construction

FY23 - Construction

Operating Budget Impact

No Operating Impact

FY2022 Bonds - Annual Debt Service Payment	0
FY2022 Bonds - 20-Year Total Debt Service Payment	0
Total Project Bonds - Annual Debt Service Payment	61,084
Total Project Bonds - 20-Year Total Debt Service Payment	1,221,676



Howard County, MD

STORM DRAINAGE PROJECTS

Project: D1181 - FY2021 PLUM TREE WATERSHED IMPROVEMENTS

(In Thousands)		Five Year Capital Program										Master Plan						
Appropriation Object Class	Prior Appr.	FY2022 Budget	Appr. Total	Fiscal 2023	Fiscal 2024	Fiscal 2025	Fiscal 2026	Fiscal 2027	Sub Total	Fiscal 2028	Fiscal 2029	Fiscal 2030	Fiscal 2031	Total Project				
PLANS & ENGINEERING	100	0	100	100	0	0	0	0	100	0	0	0	0	200				
LAND ACQUISITION	50	0	50	0	0	0	0	0	0	0	0	0	0	50				
CONSTRUCTION	250	0	250	300	0	0	0	0	300	0	0	0	0	550				
Total Expenditures	400	0	400	400	0	0	0	0	400	0	0	0	0	800				
BONDS	400	0	400	400	0	0	0	0	400	0	0	0	0	800				
Total Funding	400	0	400	400	0	0	0	0	400	0	0	0	0	800				

\$0 spent and encumbered through February 2021

\$0 spent and encumbered through February 2020

Project Status FY21 – Design of various watershed improvements is underway

FY 2021 Budget	400	400	800	400	0	0	0	0	400	0	0	0		1,200
Difference 2021 / 2022	0	(400)	(400)	0	0	0	0	0	0	0	0	0	0	(400)

Howard County, MD

Fiscal 2022 Capital Budget Project: D1182-FY2021 ORCHARD RIDGE DRAINAGE IMPROVEMENTS

Description

This project is for the design and construction of drainage and stormwater management improvements in the Orchard Ridge community.

Justification

There are several locations of drainage conveyance issues in the vicinity of Hale Haven Drive and Carman Drive. Additionally, the adjacent tributary is severely eroding neighboring properties. Highways is unable to adequately maintain the area or address resident concerns.

Remarks

 A study of the area was done to determine possible solutions for runoff and stream erosion in the area. This project will advance the recommended solutions.
 Construction may be dependent upon donation of easements from adjacent property owners.

3. Request represents project advancement.

Project Schedule

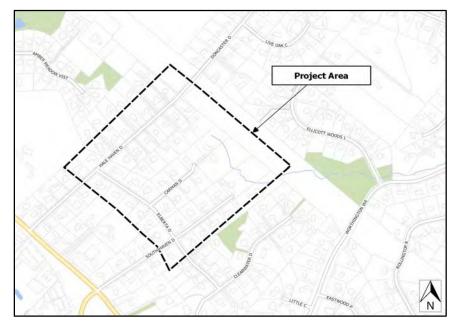
FY22 - Land Acquisition and Construction along tributary

FY23 - Design, Land Acquisition and Construction along Hale Haven & Carman Drives.

Operating Budget Impact

Decrease.

FY2022 Bonds - Annual Debt Service Payment	38,177
FY2022 Bonds - 20-Year Total Debt Service Payment	763,548
Total Project Bonds - Annual Debt Service Payment	108,806
Total Project Bonds - 20-Year Total Debt Service Payment	2,176,111



Howard County, MD

STORM DRAINAGE PROJECTS

Project: D1182-FY2021 ORCHARD RIDGE DRAINAGE IMPROVEMENTS

(In Thousands)					Five		Master Plan							
Appropriation Object Class	Prior Appr.	FY2022 Budget	Appr. Total	Fiscal 2023	Fiscal 2024	Fiscal 2025	Fiscal 2026	Fiscal 2027	Sub Total	Fiscal 2028	Fiscal 2029	Fiscal 2030	Fiscal 2031	Total Project
PLANS & ENGINEERING	175	75	250	0	0	0	0	0	0	0	0	0	0	250
LAND ACQUISITION	400	25	425	0	0	0	0	0	0	0	0	0	0	425
CONSTRUCTION	0	400	400	350	0	0	0	0	350	0	0	0	0	750
Total Expenditures	575	500	1,075	350	0	0	0	0	350	0	0	0	0	1,425
BONDS	575	500	1,075	350	0	0	0	0	350	0	0	0	0	1,425
Total Funding	575	500	1,075	350	0	0	0	0	350	0	0	0	0	1,425

\$78,721 spent and encumbered through February 2021

\$0 spent and encumbered through February 2020

Project Status FY21 - Initial land acquisition complete. Design of diversion along BGE right-of-way underway along with requisite land acquisition

FY 2021 Budget	575	300	875	350	0	0	0	0	350	0	0	0		1,225
Difference 2021 / 2022	0	200	200	0	0	0	0	0	0	0	0	0	0	200

Howard County, MD

ATTACHMENT 3: GENERAL FUND FY2022

	FY 2020	FY 2021	FY 2021		FY 2022		Approved vs.Pr Authoriz	
Department	Actual	Authorized	Estimated	Base Budget	Budget	Total	Difference	%
3100 - Department of Public Works	1,312,492	1,291,115	1,159,818	1,213,761	116,300	1,330,061	38,946	3.02 %
01 - General Fund	1,312,492	1,291,115	1,159,818	1,213,761	116,300	1,330,061	38,946	3.02 %
50 - Personnel Costs	1,137,414	1,134,686	992,014	1,166,839	0	1,166,839	32,153	2.83 %
500100 - Salary-Regular	848,038	843,419	799,148	876,390	0	876,390	32,971	3.91 %
500140 - Disaster Recovery	0	0	0	0	0	0	0	0.00%
500900 - Salary-Overtime	107	0	0	0	0	0	0	0.00%
501100 - Benefits-FICA	62,818	63,679	41,887	66,214	0	66,214	2,535	3.98 %
501300 - Benefits-Health Insurance	128,070	128,070	85,380	120,825	0	120,825	(7,245)	-5.66 %
501500 - Benefits-Retirement	98,381	99,518	65,599	103,410	0	103,410	3,892	3.91 %
51 - Contractual Services	141,189	119,659	134,834	12,243	109,300	121,543	1,884	1.57 %
510200 - Telecommunications Wired	750	538	863	534	0	534	(4)	-0.74 %
510210 - Telecommunications Wireless	3,198	2,500	2,500	0	2,500	2,500	0	0.00 %
510300 - Printing	1,143	1,000	750	0	1,000	1,000	0	0.00 %
510400 - Advertising & Clipping Service	0	0	0	0	0	0	0	0.00%
511500 - Industrial & Institutionl Eq Maintenance	8,108	102,000	101,000	0	102,000	102,000	0	0.00 %
511900 - Software Maintenance	31,439	0	17,000	0	0	0	0	0.00%
512100 - Electricity	0	500	500	0	500	500	0	0.00 %
513100 - Mileage	0	0	0	0	300	300	300	100.00%
513110 - Ground Transportation	0	0	0	0	0	0	0	0.00%
513500 - Conferences & Seminar Fees	0	0	0	0	1,000	1,000	1,000	100.00%
514355 - Groundwater and Leachate Analysis Svcs	0	0	0	0	0	0	0	0.00%
514700 - Data Processing Services	12,939	11,121	11,121	11,709	0	11,709	588	5.29 %

	FY 2020	FY 2021	FY 2021		FY 2022		Approved vs.Pr Authorize	
Department	Actual	Authorized	Estimated	Base Budget	Budget	Total	Difference	%
514820 - Inspection Services	1,022	0	0	0	0	0	0	0.00%
515900 - Other Contractual Services	72,679	0	0	0	0	0	0	0.00%
515950 - Training Services	1,040	2,000	1,100	0	2,000	2,000	0	0.00 %
516190 - Other Donations	8,871	0	0	0	0	0	0	0.00%
516820 - Association & Membership Dues	0	0	0	0	0	0	0	0.00%
52 - Supplies and Materials	5,517	7,000	3,200	0	7,000	7,000	0	0.00 %
520100 - Office Supplies	975	2,000	1,000	0	2,000	2,000	0	0.00 %
520200 - Data Processing Equipment & Supplies	2,619	0	0	0	0	0	0	0.00%
521720 - Household Supplies	1,923	5,000	2,200	0	5,000	5,000	0	0.00 %
53 - Capital Outlay	0	0	0	0	0	0	0	0.00%
530500 - Capital Outlay-Equipment	0	0	0	0	0	0	0	0.00%
58 - Expense Other	28,372	29,770	29,770	34,679	0	34,679	4,909	16.49 %
581050 - Direct Cost Conversion-Vehicle Charges	28,372	29,770	29,770	34,679	0	34,679	4,909	16.49 %
Total Budget	1,312,492	1,291,115	1,159,818	1,213,761	116,300	1,330,061	\$38,946	3.02 %

ATTACHMENT 4: WATERSHED PROTECTION AND RESTORATION FUND FY2022 – DPW

	FY 2020	FY 2021	FY 2021		FY 2022		Approved vs.Pr Authorize	
Department	Actual	Authorized	Estimated	Base Budget	Budget	Total	Difference	%
3100 - Department of Public Works	6,645,333	14,406,653	14,305,935	946,149	6,093,462	7,039,611	(7,367,042)	-51.14 %
27 - Watershed Protection & Restoration Fund	6,645,333	14,406,653	14,305,935	946,149	6,093,462	7,039,611	(7,367,042)	-51.14 %
50 - Personnel Costs	681,875	697,600	686,482	716,835	0	716,835	19,235	2.76 %
500100 - Salary-Regular	490,580	501,250	500,367	522,916	0	522,916	21,666	4.32 %
500140 - Disaster Recovery	0	0	0	0	0	0	0	0.00%
501100 - Benefits-FICA	36,099	38,346	33,831	40,012	0	40,012	1,666	4.34 %
501300 - Benefits-Health Insurance	85,380	85,380	85,380	80,550	0	80,550	(4,830)	-5.66 %
501500 - Benefits-Retirement	56,729	59,141	53,906	61,698	0	61,698	2,557	4.32 %
501700 - Benefits-Workers Compensation	13,087	13,483	12,998	11,659	0	11,659	(1,824)	-13.53 %
51 - Contractual Services	1,393,863	1,415,118	1,325,518	212,128	1,319,000	1,531,128	116,010	8.20 %
510400 - Advertising & Clipping Service	916	80,000	1,000	0	80,000	80,000	0	0.00 %
511310 - Radio Maintenance	10,946	8,712	8,712	9,546	0	9,546	834	9.57 %
511500 - Industrial & InstitutionI Eq Maintenance	0	0	0	0	0	0	0	0.00%
513100 - Mileage	0	0	0	0	0	0	0	0.00%
513120 - Parking Fees	0	0	0	0	0	0	0	0.00%
514355 - Groundwater and Leachate Analysis Svcs	21,009	10,000	9,900	0	10,000	10,000	0	0.00 %
514700 - Data Processing Services	223,793	192,406	192,406	202,582	0	202,582	10,176	5.29 %
514820 - Inspection Services	609,912	600,000	600,000	0	600,000	600,000	0	0.00 %
515900 - Other Contractual Services	527,287	520,000	510,000	0	625,000	625,000	105,000	20.19 %
516820 - Association & Membership Dues	0	4,000	3,500	0	4,000	4,000	0	0.00 %
54 - Debt Service	351,976	1,432,518	1,432,518	0	1,377,830	1,377,830	(54,688)	-3.82 %
540100 - Interest Paid-Bonds-Other	108,264	620,408	620,408	0	723,070	723,070	102,662	16.55 %

	FY 2020	FY 2021	FY 2021	FY 2022			Approved vs.Prior Year Authorized		
Department	Actual	Authorized	Estimated	Base Budget	Budget	Total	Difference	%	
540800 - Interest Paid-Loans-Assets	(154)	39,680	39,680	0	39,400	39,400	(280)	-0.71 %	
543100 - Principal Expense Paid-Bonds-Other	243,712	621,835	621,835	0	464,480	464,480	(157,355)	-25.30 %	
543800 - Principal Exp Pd-Loans-Assets	154	150,595	150,595	0	150,880	150,880	285	0.19 %	
58 - Expense Other	267,619	220,037	220,037	17,186	3,396,632	3,413,818	3,193,781	1,451.47 %	
581010 - Current Operating Cost Conversion	248,960	202,069	202,069	0	221,603	221,603	19,534	9.67 %	
581059 - Direct Cost Conversion-GIS	15,919	17,472	17,472	16,686	0	16,686	(786)	-4.50 %	
581097 - Indirect Cost Conversion	2,740	496	496	500	0	500	4	0.81 %	
589800 - Appropriation To Fund Balance	0	0	0	0	3,175,029	3,175,029	3,175,029	100.00%	
69 - Operating Transfers	3,950,000	10,641,380	10,641,380	0	0	0	(10,641,380)	-100.00 %	
695000 - Operating Transfers Out-Budg-Other	3,950,000	10,641,380	10,641,380	0	0	0	(10,641,380)	-100.00 %	
Total Budget	6,645,333	14,406,653	14,305,935	946,149	6,093,462	7,039,611	(\$7,367,042)	-51.14 %	

ATTACHMENT 5: WATERSHED PROTECTION AND RESTORATION FUND FY2022 – ALL

	FY 2020	FY 2021	FY 2021		FY 2022			Approved vs.Pr Authorize	
	Actual	Authorized	Estimated	Base Budget	Budget	New Efforts	Total	Difference	%
27 - Watershed Protection & Restoration Fund	9,018,048	17,167,659	16,984,757	1,564,032	8,306,318	0	9,870,350	(7,297,309)	-42.51 %
7360000000 - Watershed Protection & Restoration Fund	9,018,048	17,167,659	16,984,757	1,564,032	8,306,318	0	9,870,350	(7,297,309)	-42.51 %
1100 - Department of County Administration	868,550	1,238,204	1,166,428	307,180	976,141	0	1,283,321	45,117	3.64 %
1120000000 - Community Sustainability	868,550	1,238,204	1,166,428	307,180	976,141	0	1,283,321	45,117	3.64 %
999999999999999999999999900 - Administration	868,550	1,238,204	1,166,428	307,180	976,141	0	1,283,321	45,117	3.64 %
50 - Personnel Costs	208,614	209,056	197,880	268,204	-48,403	0	219,801	10,745	5.14 %
500100 - Salary-Regular	143,093	145,419	142,215	190,820	-38,335	0	152,485	7,066	4.86 %
GGGG0000000000	143,093	145,419	142,215	190,820	-38,335	0	152,485	7,066	4.86 %
Subtract 25% of Lindsay's & Julie's salary that is	funded by OCS Ge	neral Fund.							
500190 - Salary-Other	0	0	0	0	4,100	0	4,100	4,100	100.00%
GGGG0000000000	0	0	0	0	4,100	0	4,100	4,100	100.00%
501100 - Benefits-FICA	9,306	11,125	10,874	14,596	-2,932	0	11,664	539	4.84 %
GGGG0000000000	9,306	11,125	10,874	14,596	-2,932	0	11,664	539	4.84 %
Subtract 25% of Lindsay's & Julie's FICA that is fu	unded by OCS Gen	eral Fund							
501300 - Benefits-Health Insurance	35,575	35,575	35,575	40,275	-6,713	0	33,562	(2,013)	-5.66 %
GGGG0000000000	35,575	35,575	35,575	40,275	-6,713	0	33,562	(2,013)	-5.66 %
Subtract 25% of Lindsay's & Julie's Health Insura	nce that is funded	by OCS General Fu	nd.						
501500 - Benefits-Retirement	20,640	16,937	9,216	22,513	-4,523	0	17,990	1,053	6.22 %
GGGG0000000000	20,640	16,937	9,216	22,513	-4,523	0	17,990	1,053	6.22 %

Subtract 25% of Lindsay's & Julie's Retirement that is funded by OCS General Fund.

	FY 2020	FY 2021	FY 2021		FY 2022			Approved vs.Pr Authoriz	
	Actual	Authorized	Estimated	Base Budget	Budget	New Efforts	Total	Difference	%
51 - Contractual Services	512,179	910,400	849,740	17,889	926,750	0	944,639	34,239	3.76 %
510300 - Printing	0	5,000	5,000	0	3,000	0	3,000	(2,000)	-40.00 %
GGG00000000000	0	5,000	5,000	0	3,000	0	3,000	(2,000)	-40.00 %
Innovation Grant Signage.									
512230 - Stormwater Reimbursement	131,052	330,000	270,000	0	250,000	0	250,000	(80,000)	-24.24 %
GGGG0000000000	131,052	330,000	270,000	0	250,000	0	250,000	(80,000)	-24.24 %
Cleanscapes 150k, Septic Savers 100k									
513100 - Mileage	215	500	500	0	500	0	500	0	0.00 %
GGGG0000000000	215	500	500	0	500	0	500	0	0.00 %
513120 - Parking Fees	114	100	100	0	100	0	100	0	0.00 %
GGGG0000000000	114	100	100	0	100	0	100	0	0.00 %
513200 - Lodging	0	300	0	0	0	0	0	(300)	-100.00 %
GGG00000000000	0	300	0	0	0	0	0	(300)	-100.00 %
513500 - Conferences & Seminar Fees	489	2,500	2,500	0	2,000	0	2,000	(500)	-20.00 %
GGG00000000000	489	2,500	2,500	0	2,000	0	2,000	(500)	-20.00 %
514700 - Data Processing Services	0	16,990	16,990	17,889	0	0	17,889	899	5.29 %
GGG00000000000	0	16,990	16,990	17,889	0	0	17,889	899	5.29 %
515900 - Other Contractual Services	380,159	554,360	554,000	0	670,000	0	670,000	115,640	20.86 %
GGG00000000000	380,159	554,360	554,000	0	670,000	0	670,000	115,640	20.86 %
515950 - Training Services	150	500	500	0	1,000	0	1,000	500	100.00 %
GGGG00000000000	150	500	500	0	1,000	0	1,000	500	100.00 %
516820 - Association & Membership Dues	0	150	150	0	150	0	150	0	0.00 %
GGGG00000000000	0	150	150	0	150	0	150	0	0.00 %

	FY 2020	FY 2021	FY 2021		FY 2022			Approved vs.P Authoriz	
	Actual	Authorized	Estimated	Base Budget	Budget	New Efforts	Total	Difference	%
52 - Supplies and Materials	1,271	10,400	10,460	0	5,460	0	5,460	(4,940)	-47.50 %
520100 - Office Supplies	94	100	100	0	100	0	100	0	0.00 %
GGGG0000000000	94	100	100	0	100	0	100	0	0.00 %
520250 - Software/Licenses	0	0	360	0	360	0	360	360	100.00%
GGGG00000000000	0	0	360	0	360	0	360	360	100.00%
Basecamp - project management software									
520400 - Promotional Materials	0	10,000	10,000	0	5,000	0	5,000	(5,000)	-50.00 %
GGGG0000000000	0	10,000	10,000	0	5,000	0	5,000	(5,000)	-50.00 %
521500 - Food Purchases	149	300	0	0	0	0	0	(300)	-100.00 %
GGGG0000000000	149	300	0	0	0	0	0	(300)	-100.00 %
521810 - Landscape and Soil Retention Materials	1,028	0	0	0	0	0	0	0	0.00%
GGGG0000000000	1,028	0	0	0	0	0	0	0	0.00%
58 - Expense Other	146,486	108,348	108,348	21,087	92,334	0	113,421	5,073	4.68 %
581010 - Current Operating Cost Conversion	124,480	84,195	84,195	0	92,334	0	92,334	8,139	9.67 %
GGGG0000000000	124,480	84,195	84,195	0	92,334	0	92,334	8,139	9.67 %
581059 - Direct Cost Conversion-GIS	22,006	24,153	24,153	21,087	0	0	21,087	(3,066)	-12.69 %
GGGG00000000000	22,006	24,153	24,153	21,087	0	0	21,087	(3,066)	-12.69 %
3100 - Department of Public Works	8,038,366	15,810,496	15,699,370	1,256,852	7,205,631	0	8,462,483	(7,348,013)	-46.48 %
3122000000 - Highways - Maintenance	1,393,033	1,403,843	1,393,435	310,703	1,112,169	0	1,422,872	19,029	1.36 %
999999999999999999999999900 - Administration	1,393,033	1,403,843	1,393,435	310,703	1,112,169	0	1,422,872	19,029	1.36 %

	FY 2020	FY 2021	FY 2021		FY 2022			Approved vs.Pri Authorize	
	Actual	Authorized	Estimated	Base Budget	Budget	New Efforts	Total	Difference	%
50 - Personnel Costs	234,234	315,149	307,935	310,415	7,500	0	317,915	2,766	0.88 %
500100 - Salary-Regular	133,624	197,986	192,236	203,672	0	0	203,672	5,686	2.87 %
PWPW00000000000	0	0	0	0	0	0	0	0	0.00%
PWPWHMAD0000000	0	0	0	0	0	0	0	0	0.00%
PWPWHMSW0000000	133,624	197,986	192,236	203,672	0	0	203,672	5,686	2.87 %
500190 - Salary-Other	0	0	0	0	0	0	0	0	0.00%
PWPW00000000000	0	0	0	0	0	0	0	0	0.00%
PWPWHMAD0000000	0	0	0	0	0	0	0	0	0.00%
500900 - Salary-Overtime	3,878	7,500	6,996	0	7,500	0	7,500	0	0.00 %
PWPW00000000000	0	0	0	0	0	0	0	0	0.00%
PWPWHMAD0000000	0	0	0	0	0	0	0	0	0.00%
PWPWHMSW0000000	3,878	7,500	6,996	0	7,500	0	7,500	0	0.00 %
500940 - Disaster Recovery Overtime	0	0	0	0	0	0	0	0	0.00%
PWPWHMSW0000000	0	0	0	0	0	0	0	0	0.00%
501000 - Benefits-Pensions Paid	0	0	0	0	0	0	0	0	0.00%
PWPW00000000000	0	0	0	0	0	0	0	0	0.00%
501100 - Benefits-FICA	10,303	15,143	15,112	15,590	0	0	15,590	447	2.95 %
PWPW00000000000	0	0	0	0	0	0	0	0	0.00%
PWPWHMAD0000000	0	0	0	0	0	0	0	0	0.00%
PWPWHMSW0000000	10,303	15,143	15,112	15,590	0	0	15,590	447	2.95 %
501300 - Benefits-Health Insurance	71,150	71,150	71,150	67,125	0	0	67,125	(4,025)	-5.66 %
PWPWHMAD0000000	0	0	0	0	0	0	0	0	0.00%
PWPWHMSW0000000	71,150	71,150	71,150	67,125	0	0	67,125	(4,025)	-5.66 %

	FY 2020	FY 2021	FY 2021		FY 2022			Approved vs.Pri Authorize	
	Actual	Authorized	Estimated	Base Budget	Budget	New Efforts	Total	Difference	%
501500 - Benefits-Retirement	15,279	23,370	22,441	24,028	0	0	24,028	658	2.82 %
PWPWHMAD0000000	0	0	0	0	0	0	0	0	0.00%
PWPWHMSW0000000	15,279	23,370	22,441	24,028	0	0	24,028	658	2.82 %
51 - Contractual Services	896,339	820,303	819,445	288	820,000	0	820,288	(15)	0.00 %
510500 - Copier Charges	0	303	303	288	0	0	288	(15)	-4.95 %
PWPW00000000000	0	303	303	288	0	0	288	(15)	-4.95 %
511500 - Industrial & Institutionl Eq Maintenance	0	70,000	70,146	0	70,000	0	70,000	0	0.00 %
PWPWHMSW0000000	0	70,000	70,146	0	70,000	0	70,000	0	0.00 %
515215 - Uniform Rental	0	0	944	0	0	0	0	0	0.00%
PWPWHMSW0000000	0	0	944	0	0	0	0	0	0.00%
515780 - Construction Site Work	877,841	0	0	0	0	0	0	0	0.00%
PWPW00000000000	437,852	0	0	0	0	0	0	0	0.00%
PWPWHMRM0000000	0	0	0	0	0	0	0	0	0.00%
PWPWHMSW0000000	439,989	0	0	0	0	0	0	0	0.00%
515790 - Other Construction Services	0	250,000	250,000	0	250,000	0	250,000	0	0.00 %
PWPWHMSW0000000	0	250,000	250,000	0	250,000	0	250,000	0	0.00 %
515900 - Other Contractual Services	18,498	500,000	498,052	0	500,000	0	500,000	0	0.00 %
PWPWHMSW0000000	18,498	500,000	498,052	0	500,000	0	500,000	0	0.00 %
52 - Supplies and Materials	0	100,000	97,664	0	100,000	0	100,000	0	0.00 %
520550 - Ticket Purchases	0	0	357	0	0	0	0	0	0.00%
PWPWHMSW0000000	0	0	357	0	0	0	0	0	0.00%
520900 - Safety Equipment & Supplies	0	0	1,800	0	0	0	0	0	0.00%
PWPWHMSW0000000	0	0	1,800	0	0	0	0	0	0.00%

All

Report Generated: 6/17/2021

	FY 2020	FY 2021	FY 2021		FY 2022			Approved vs.Pr Authorize	
	Actual	Authorized	Estimated	Base Budget	Budget	New Efforts	Total	Difference	%
521730 - Hardware & Related Supplies	0	0	3,513	0	0	0	0	0	0.00%
PWPWHMSW0000000	0	0	3,513	0	0	0	0	0	0.009
521750 - Plumbing Equipment & Supplies	0	100,000	80,000	0	100,000	0	100,000	0	0.00 9
PWPWHMSW0000000	0	100,000	80,000	0	100,000	0	100,000	0	0.00
521800 - Seed	0	0	1,200	0	0	0	0	0	0.00
PWPWHMSW0000000	0	0	1,200	0	0	0	0	0	0.00
522190 - Other Vehicle Equipment & Supplies	0	0	10,794	0	0	0	0	0	0.00
PWPWHMSW0000000	0	0	10,794	0	0	0	0	0	0.00
522200 - Road Maintenance Equipment & Supplies	0	0	0	0	0	0	0	0	0.00
PWPWHMSW0000000	0	0	0	0	0	0	0	0	0.00
53 - Capital Outlay	13,500	0	0	0	0	0	0	0	0.00
530500 - Capital Outlay-Equipment	13,500	0	0	0	0	0	0	0	0.00
PWPWHMSW0000000	13,500	0	0	0	0	0	0	0	0.00
530560 - Capital Outlay-Vehicles	0	0	0	0	0	0	0	0	0.00
PWPW00000000000	0	0	0	0	0	0	0	0	0.00
PWPWHMSW0000000	0	0	0	0	0	0	0	0	0.00
58 - Expense Other	248,960	168,391	168,391	0	184,669	0	184,669	16,278	9.67
581010 - Current Operating Cost Conversion	248,960	168,391	168,391	0	184,669	0	184,669	16,278	9.67
PWPW00000000000	248,960	0	0	0	0	0	0	0	0.00
PWPWHMSW0000000	0	168,391	168,391	0	184,669	0	184,669	16,278	9.67
3142000000 - Env Stormwater Mgmt	6,645,333	14,406,653	14,305,935	946,149	6,093,462	0	7,039,611	(7,367,042)	-51.14

	FY 2020	FY 2021	FY 2021		FY 2022			Approved vs.Pr Authorize	
	Actual	Authorized	Estimated	Base Budget	Budget	New Efforts	Total	Difference	%
99999999999999999999999900 - Administration	6,645,333	14,406,653	14,305,935	946,149	6,093,462	0	7,039,611	(7,367,042)	-51.14 %
50 - Personnel Costs	681,875	697,600	686,482	716,835	0	0	716,835	19,235	2.76 %
500100 - Salary-Regular	490,580	501,250	500,367	522,916	0	0	522,916	21,666	4.32 %
PWPW0000000000	490,580	501,250	500,367	522,916	0	0	522,916	21,666	4.32 %
500140 - Disaster Recovery	0	0	0	0	0	0	0	0	0.00%
PWPW00000000000	0	0	0	0	0	0	0	0	0.00%
501100 - Benefits-FICA	36,099	38,346	33,831	40,012	0	0	40,012	1,666	4.34 %
PWPW00000000000	36,099	38,346	33,831	40,012	0	0	40,012	1,666	4.34 %
501300 - Benefits-Health Insurance	85,380	85,380	85,380	80,550	0	0	80,550	(4,830)	-5.66 %
PWPW00000000000	85,380	85,380	85,380	80,550	0	0	80,550	(4,830)	-5.66 %
501500 - Benefits-Retirement	56,729	59,141	53,906	61,698	0	0	61,698	2,557	4.32 %
PWPW00000000000	56,729	59,141	53,906	61,698	0	0	61,698	2,557	4.32 %
501700 - Benefits-Workers Compensation	13,087	13,483	12,998	11,659	0	0	11,659	(1,824)	-13.53 %
PWPW00000000000	13,087	13,483	12,998	11,659	0	0	11,659	(1,824)	-13.53 %
51 - Contractual Services	1,393,863	1,415,118	1,325,518	212,128	1,319,000	0	1,531,128	116,010	8.20 %
510400 - Advertising & Clipping Service	916	80,000	1,000	0	80,000	0	80,000	0	0.00 %
PWPW0000000000	916	80,000	1,000	0	80,000	0	80,000	0	0.00 %
511310 - Radio Maintenance	10,946	8,712	8,712	9,546	0	0	9,546	834	9.57 %
PWPW00000000000	10,946	8,712	8,712	9,546	0	0	9,546	834	9.57 %
511500 - Industrial & Institutionl Eq Maintenance	0	0	0	0	0	0	0	0	0.00%
PWPW00000000000	0	0	0	0	0	0	0	0	0.00%

	FY 2020	FY 2021	FY 2021		FY 2022			Approved vs.Pr Authorize	
	Actual	Authorized	Estimated	Base Budget	Budget	New Efforts	Total	Difference	%
513100 - Mileage	0	0	0	0	0	0	0	0	0.00%
PWPW00000000000	0	0	0	0	0	0	0	0	0.00%
513120 - Parking Fees	0	0	0	0	0	0	0	0	0.00%
PWPW00000000000	0	0	0	0	0	0	0	0	0.00%
514355 - Groundwater and Leachate Analysis Svcs	21,009	10,000	9,900	0	10,000	0	10,000	0	0.00 %
PWPW00000000000	21,009	10,000	9,900	0	10,000	0	10,000	0	0.00 %
514700 - Data Processing Services	223,793	192,406	192,406	202,582	0	0	202,582	10,176	5.29 %
PWPW00000000000	223,793	192,406	192,406	202,582	0	0	202,582	10,176	5.29 %
514820 - Inspection Services	609,912	600,000	600,000	0	600,000	0	600,000	0	0.00 %
PWPW00000000000	609,912	600,000	600,000	0	600,000	0	600,000	0	0.00 %
515900 - Other Contractual Services	527,287	520,000	510,000	0	625,000	0	625,000	105,000	20.19 %
PWPW00000000000	527,287	520,000	510,000	0	625,000	0	625,000	105,000	20.19 %
516820 - Association & Membership Dues	0	4,000	3,500	0	4,000	0	4,000	0	0.00 %
PWPW00000000000	0	4,000	3,500	0	4,000	0	4,000	0	0.00 %
54 - Debt Service	351,976	1,432,518	1,432,518	0	1,377,830	0	1,377,830	(54,688)	-3.82 %
540100 - Interest Paid-Bonds-Other	108,264	620,408	620,408	0	723,070	0	723,070	102,662	16.55 %
PWPW00000000000	108,264	620,408	620,408	0	723,070	0	723,070	102,662	16.55 %
540800 - Interest Paid-Loans-Assets	(154)	39,680	39,680	0	39,400	0	39,400	(280)	-0.71 %
PWPW00000000000	(154)	39,680	39,680	0	39,400	0	39,400	(280)	-0.71 %
543100 - Principal Expense Paid-Bonds- Other	243,712	621,835	621,835	0	464,480	0	464,480	(157,355)	-25.30 %
PWPW00000000000	243,712	621,835	621,835	0	464,480	0	464,480	(157,355)	-25.30 %

	FY 2020	FY 2021	FY 2021		FY 2022			Approved vs.P Authoriz	
	Actual	Authorized	Estimated	Base Budget	Budget	New Efforts	Total	Difference	%
543800 - Principal Exp Pd-Loans-Assets	154	150,595	150,595	0	150,880	0	150,880	285	0.19 %
PWPW00000000000	154	150,595	150,595	0	150,880	0	150,880	285	0.19 %
58 - Expense Other	267,619	220,037	220,037	17,186	3,396,632	0	3,413,818	3,193,781	1,451.47 %
581010 - Current Operating Cost Conversion	248,960	202,069	202,069	0	221,603	0	221,603	19,534	9.67 %
PWPW00000000000	248,960	202,069	202,069	0	221,603	0	221,603	19,534	9.67 %
581059 - Direct Cost Conversion-GIS	15,919	17,472	17,472	16,686	0	0	16,686	(786)	-4.50 %
PWPW00000000000	15,919	17,472	17,472	16,686	0	0	16,686	(786)	-4.50 %
581097 - Indirect Cost Conversion	2,740	496	496	500	0	0	500	4	0.81 %
PWPW0000000000	2,740	496	496	500	0	0	500	4	0.81 %
589800 - Appropriation To Fund Balance	0	0	0	0	3,175,029	0	3,175,029	3,175,029	100.00%
PWPW00000000000	0	0	0	0	3,175,029	0	3,175,029	3,175,029	100.00%
69 - Operating Transfers	3,950,000	10,641,380	10,641,380	0	0	0	0	(10,641,380)	-100.00 %
695000 - Operating Transfers Out-Budg- Other	3,950,000	10,641,380	10,641,380	0	0	0	0	(10,641,380)	-100.00 %
PWPW00000000000	3,950,000	10,641,380	10,641,380	0	0	0	0	(10,641,380)	-100.00 %
7800 - Soil Conservation District	111,132	118,959	118,959	0	124,546	0	124,546	5,587	4.70 %
7800000000 - Soil Conservation District	111,132	118,959	118,959	0	124,546	0	124,546	5,587	4.70 %
99999999999999999999999900 - Administration	111,132	118,959	118,959	0	124,546	0	124,546	5,587	4.70 %
50 - Personnel Costs	26,308	18,388	28,323	0	29,420	0	29,420	11,032	60.00 %
501300 - Benefits-Health Insurance	17,249	18,388	18,388	0	18,993	0	18,993	605	3.29 %
CSCS0000000000	0	18,388	18,388	0	18,993	0	18,993	605	3.29 %
PWPW00000000000	17,249	0	0	0	0	0	0	0	0.00%

Fund Summary Report

	FY 2020	FY 2021	FY 2021		FY 2022			Approved vs.Pr Authorize	
	Actual	Authorized	Estimated	Base Budget	Budget	New Efforts	Total	Difference	%
501500 - Benefits-Retirement	9,059	0	9,935	0	10,427	0	10,427	10,427	100.00%
CSCS00000000000	0	0	9,935	0	10,427	0	10,427	10,427	100.00%
PWPW00000000000	9,059	0	0	0	0	0	0	0	0.00%
51 - Contractual Services	84,824	100,571	90,636	0	95,126	0	95,126	(5,445)	-5.41 %
516190 - Other Donations	84,824	100,571	90,636	0	95,126	0	95,126	(5,445)	-5.41 %
CSCS00000000000	0	100,571	90,636	0	95,126	0	95,126	(5,445)	-5.41 %
PWPW00000000000	84,824	0	0	0	0	0	0	0	0.00%
Total Budget	9,018,048	17,167,659	16,984,757	1,564,032	8,306,318	0	9,870,350	(\$7,297,309)	-42.51 %

ATTACHMENT 6: FINANCIAL CAPACITY SPREADSHEET

	Fin	ancial Capacity Spreadsheet		
1	County/City Name	Howard County, MD		
2	Cost As A Percent Of Household Inc	come		
2a	Median Household Income (MHI)	\$	121,160	
2b	Total Number Of Households In Juri		114,170	
2c	Average Annual Cost For Public Stor	\$	42,608,400.75	
2d	Annual Cost For Public Stormwater	\$	373.20	
2e	% Of MHI Spent On Public Stormwa	ater Related Management Programs		0.31%
2f	Total Annual Stormwater Remediation	on Fee Per Household	\$	40.17
2g	% Of MHI Spent Annually On Storm	nwater Remediation Fee		0.03%
3	Cost Of Impervious Surface Restorat	ion As A Percent Of Household Income		
3a	Total In Previous Permit Term Spent (ISRP)	On The Impervious Surface Restoration Plan	\$	56,836,251.00
3b	Average Annual Cost Of The ISRP I	During The Previous Permit Term	\$	5,982,763.26
3c	Annual Cost Of The ISRP Per House	ehold During The Previous Permit Term	\$	52.40
3d	% Of MHI Spent On The ISRP Durin		0.04%	
3e	Total Projected Cost For Restoration	\$	340,867,206.00	
3f	Projected Annual Cost For Restoration	\$	42,608,400.75	
3g	Projected Annual Cost For Restoration	\$	373.20	
3h	% Of MHI Spent On Projected Cost		0.31%	
4	Cost For Low-Income Residential Cu	stomers As A Percent Of Household Income		
4a	Percentage Of Households With Ann	1	7.70%	
4b	% Of Income For Low Income House Management Programs		1.49%	
4c	% Of Income For Low Income House		0.16%	
4d	% Of Income For Low Income House		0.21%	
4e	% Of MHI For Low Income House S Portfolio		1.49%	
5	Key Socioeconomic Indicators		•	
5a	Percentage Unemployed		2.70%	
5b	Median Household Income	\$	121,160	
5c	Percent Of Individuals (All People) H		5.00%	
6	Financial Capacity Indicators			
6a		Bond Rating $-$ GO ¹ Bonds	Aaa	
6b	Debt Indicators	Bond Rating – Revenue Bonds	N/A	
6с		Net Debt As A % Of FMPV ²		2.29%
6d		Property Tax Revenues As % Of FMPV		1.22%
6e	Financial Management Indicators	Property Tax Revenue Collection Rate	1	99.25%

Notes:

GO = General Obligation
 FMPV = Full Market Property Value