



GOVERNMENT OF  
**PUERTO  
RICO**



Puerto Rico  
Aqueduct and  
Sewer Authority

# **FAAS<sub>t</sub> WORKPLAN**

**Puerto Rico Aqueduct and Sewer Authority (PRASA)**

**Post-Fixed Cost Estimate Obligation Workplan**

**FEMA-4339-DR-PR**

**FEMA Accelerated Award Strategy (FAAS<sub>t</sub>)**

## **DISCLOSURE**

The Puerto Rico Aqueduct and Sewer Authority (PRASA), as part of this Post-Fixed Cost Estimate Obligation Workplan under the FEMA Disaster Number 4339-DR, includes an infrastructure investment strategy for the selection of projects under the PRASA's sixteen asset categories. The estimated amount assigned to each category and/or project is exclusively for PRASA's budget purposes. The cost estimate included in each category and/or project necessarily does not represent the final cost of the project.



## NOMENCLATURE

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|            |                                                            |
|------------|------------------------------------------------------------|
| AMWA       | Association of Metropolitan Water Agencies                 |
| ASTM       | American Society of Testing and Materials                  |
| AWIA       | America's Water Infrastructure Act of 2018                 |
| AWWA       | American Water Works Association                           |
| AAA        | Puerto Rico Aqueduct and Sewer Authority                   |
| B          | PRASA Building (s)                                         |
| BBA        | 2018 Bipartisan Budget Act                                 |
| CIP        | Capital Improvement Program                                |
| COR3       | Central Office of Recovery, Reconstruction, and Resiliency |
| CWA        | Clean Water Act                                            |
| CDBG-DR    | Community Development Block Grant Disaster Recovery        |
| D          | Dam (s)                                                    |
| DOH        | Department of Health                                       |
| D & T -WL  | Distribution and Transmission Water Line (s)               |
| EQB        | Environmental Quality Board                                |
| FAASt      | FEMA Accelerated Award Strategy                            |
| FEMA       | Federal Emergency Management Agency                        |
| FY         | Fiscal Year (PR Fiscal Year from July to June)             |
| GIS        | Geographical Information System                            |
| Government | Government of Puerto Rico                                  |
| Governor   | Governor of Puerto Rico                                    |
| HUD        | Department of Housing and Urban Development                |
| ICC        | International Building Code                                |
| KPIs       | Key Performance Indicators                                 |
| kWh        | Kilowatt-Hours                                             |
| MGD        | Million Gallons per Day                                    |
| NFPA       | National Fire Protection Association                       |
| NPS        | National Primary Standards                                 |



|         |                                                               |
|---------|---------------------------------------------------------------|
| NSF     | National Standards Foundation                                 |
| OMB     | Puerto Rico Office of Management and Budget                   |
| O&M     | Operations and Maintenance                                    |
| OO      | Ocean Outfalls                                                |
| PPTD    | Projects Pending to be Determined                             |
| PR      | Puerto Rico                                                   |
| PRASA   | Puerto Rico Aqueduct and Sewer Authority                      |
| PRDH    | Puerto Rico Department of Health                              |
| PREPA   | Puerto Rico Electric Power Authority                          |
| PRIFA   | Puerto Rico Infrastructure Finance Authority                  |
| PROMESA | Puerto Rico Oversight, Management, and Economic Stability Act |
| PSI     | Pounds per Square Inch                                        |
| PWSID   | Potable Water System Identification                           |
| Regions | Operational Regions                                           |
| R       | Reservoirs                                                    |
| RD      | Reservoirs Dredging                                           |
| RFQ     | Request for Qualification                                     |
| RFP     | Request for Proposal                                          |
| RWI     | Raw Water Intake                                              |
| RWW     | Raw Water Well (s)                                            |
| SDWA    | Safe Drinking Water Act                                       |
| System  | Authority's Public Water Supply and Wastewater System         |
| SOP     | Standard Operating Procedure                                  |
| SOW     | Scope of Work                                                 |
| STS     | Sludge Treatment System                                       |
| T       | PRASA Telemetry System                                        |
| TSL     | Trunk Sewer Line (s)                                          |
| US      | United States of America                                      |
| USDA    | United States Department of Agriculture                       |



|       |                                               |
|-------|-----------------------------------------------|
| USEPA | United States Environmental Protection Agency |
| WM    | Water Meter (s)                               |
| WST   | Water Storage Tank (s)                        |
| WTP   | Water Treatment Plant (s)                     |
| WPS   | Water Pump Station (s)                        |
| WWTP  | Wastewater Treatment Plant (s)                |
| WWPS  | Wastewater Pump Station (s)                   |

## **SYMBOLS**

|    |         |
|----|---------|
| \$ | Dollar  |
| %  | Percent |
| Q  | Quarter |



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## Chapter 1 Executive Summary

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The 2017 hurricane season caused unparalleled devastation in Puerto Rico. During September of that year, Puerto Rico experienced a Category five (5) and Category four (4) hurricane (Irma and María, respectively). Hurricane María was the most devastating natural disaster to hit the island since Hurricane San Felipe made landfall nine decades ago in 1928. Since that time, the population has expanded, from 1.5 million residents to a current population of 3.4 Million.

Category five (5) Hurricane Irma, one of the strongest recorded storms in the Atlantic, affected Puerto Rico on September 6, 2017. Due to its passing through the northern part of the island, the Puerto Rico Aqueduct and Sewer Authority (PRASA) suffered damages to water treatment facilities and other structures. Over one million customers lost electric power, and over one-third of PRASA's customers lost drinking water service.

Just a few days later, on September 20, Puerto Rico felt the ruthless force of Category four (4) Hurricane Maria, the most massive disaster that the Island has endured, impacting all PRASA's infrastructure severely across the island. The flooding and loss of the electrical power system resulted in a shutdown on most of the island's water supply and wastewater treatment plants and pumping stations. Sewage water contaminated the streets, rivers, and sea, posing an immediate threat to the environment, public health, and safety. PRASA acted diligently to promptly restore the water and wastewater service using both internal and external resources.

For projects necessary to build back PRASA's System to pre-hurricane conditions and improve resiliency to potential future events, on January 5, 2021, the Federal Emergency Management Agency (FEMA) announced the obligated grant for PRASA for **\$4.2 Billion**. FEMA reserved the obligated funds to repair, improve or replace PRASA's infrastructure as per FEMA's Public Assistance Alternative Procedures, according to Section 428 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act and in compliance with the US Congress 2018 Bipartisan Budget Act (BBA). PRASA requires to provide safe water and wastewater service and supply to the 1.2 million active clients through the following infrastructure:



- Fifty-one (51) Wastewater Treatment Plants (WWTP)
- One hundred and fourteen (114) Water Treatment Plants (WTP)
- PRASA buildings
- Eight (8) Dams
- Around three thousand eight hundred (3,800) ancillary facilities (1,560 Tanks; 1,977 Pump Stations; 249 Water Wells)
- Over 20,000 miles of potable water and wastewater collection pipes

As a requirement associated with this funding obligation, FEMA and the Central Office of Recovery, Reconstruction, and Resiliency (COR3) required PRASA to submit a work plan, called PRASA's FAASt Workplan, within 90 days of the funding obligation date. This plan would outline PRASA's proposed investments in Puerto Rico's water systems over the next ten years. Also, PRASA is required to update and resubmit this work plan to COR3 and FEMA every 90 days after the initial submission.

This FAASt Workplan provides an overview of PRASA's infrastructure investment strategy; the context for the selection of projects included in the plan; a prioritized list of these proposed infrastructure projects; the expected benefits, projected costs, key project milestones, the estimated time horizon for each project; and a brief overview of PRASA's approach to managing the execution of this program and the group of projects described herein.

This document addresses COR3 and FEMA's requirement to plan a list of projects for the obligated funds. Projects in this plan will include funding from the FEMA Accelerated Award Strategy (FAASt) and 404 hazard mitigation programs and HUD Community Development Block Grant Disaster Recovery (CDBG-DR) program.



## 1.1 The Investment Strategy Overview

Several investment focus areas based on work previously completed by PRASA and developed by PRASA's team and other stakeholders such as FEMA and COR3 guided PRASA's investment strategy for this FAASt Workplan.

PRASA leveraged the information in each area and performed an additional evaluation to guide the project's selection in this FAASt Workplan.

PRASA selected these five (5) foci areas to define the intent of the projects in this plan. Table 1-1 summarized the five (5) investment focus areas and a brief description of each one.

**Table 1-1: List of Investment Focus Areas**

| Focus Areas                                         | Brief Description                                                                                                                                                                                                                                                          |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Public Health &amp; Environmental Protection</b> | Ensure to provide a safe and reliable supply of drinking water and treatment of wastewater, complying with federal environmental regulations to safeguard the population's health and the island's environment while guaranteeing an affordable service for all customers. |
| <b>Codes and Industry Standards</b>                 | Rehabilitate, improve, or restore the water system following Codes and Industry Standards, including the applicable PRASA design standards, contained in the <i>Reglamento de Normas de Diseño de la AAA</i> .                                                             |
| <b>Reliability and System Resiliency</b>            | Ensure the required investment in necessary technology and infrastructure to restore the system, enhance resiliency, and establish an efficient and safe water system that provides customer reliability.                                                                  |
| <b>Hazard Mitigation</b>                            | Ensure to provide long-term solutions that reduce the PRASA's infrastructure impact of future events and minimize disaster losses and system vulnerability.                                                                                                                |
| <b>Modernization and Maintenance</b>                | Modernize and maintain PRASA's infrastructure to optimize its operational efficiency, protect public health, safeguard the environment, and promote continued economic development.                                                                                        |



## 1.2 Asset Categories and Prioritization Approach

To develop this plan, PRASA's team examined more than 1,400 possible projects. Focused on the five (5) investment focus areas mentioned above to set the safe, reliable, and efficient water and wastewater treatment services, PRASA list of projects has been updated as follows:

- Initial FAASSt Workplan submittal list, 136 projects.
- Second revision, list updated to 141 projects.
- Third revision, list of projects updated to 180.
- Fourth revision, list of projects increased to 196.
- Fifth and Six revisions, projects updated to 197.
- Seventh revision and Eighth revision, list of projects updated to 253.
- Ninth revision, list of projects updated to 265.
- Tenth revision, list of projects updated to 269.
- Eleven revision, list of projects reorganized to 192.
- Twelfth revision, list of projects updated to 251.
- Thirteenth revision, list of projects updated to 245.
- Fourteenth revision, list of projects corresponds to 245.

The 245 projects in the plan are still organized into sixteen distinct asset categories, including the projects under 404 and 406 hazard mitigation and HUD Community Development Block Grant Disaster Recovery (CDBG-DR) programs. PRASA based the plan's asset categories on the categorization approach used to reach the FAASSt funding obligation. Table 1-2 summarized the asset categories list.

**Table 1-2: Asset Categories List**

| Asset Category                     | Brief Description                                                                                        |
|------------------------------------|----------------------------------------------------------------------------------------------------------|
| Water Treatment Plants (WTP)       | 114 WTP Islandwide, including the Raw Water Intakes (RWI). One (1) WTP was closed after Hurricane María. |
| Wastewater Treatment Plants (WWTP) | 51 WWTP Islandwide                                                                                       |
| Wastewater Pump Stations (WWPS)    | 799 WWPS Islandwide                                                                                      |



| Asset Category                                        | Brief Description                                                                                                                                                                                              |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Water Pump Stations (WPS)                             | 468 WPS Islandwide                                                                                                                                                                                             |
| Water Storage Tanks & Water Pump Stations (WST & WPS) | 808 WPS Islandwide                                                                                                                                                                                             |
| Water Storage Tanks (WST)                             | 997 WST Islandwide                                                                                                                                                                                             |
| Ocean Outfalls (OO)                                   | 12 Ocean Outfalls Island wide                                                                                                                                                                                  |
| Dams (D)                                              | 8 Dams Islandwide operated by PRASA                                                                                                                                                                            |
| Reservoirs (R)                                        | 8 Reservoir Islandwide                                                                                                                                                                                         |
| Raw Water Wells (RWW)                                 | 269 Raw Water Wells Islandwide                                                                                                                                                                                 |
| Buildings (B)                                         | 91 PRASA Buildings Islandwide                                                                                                                                                                                  |
| Distribution and Transmission Water Lines (D & T -WL) | Estimated amount of 15,148 Miles of Water Lines Islandwide in diameters ranging from 1” to 84” and in a wide variety of materials.                                                                             |
| Water Meters (WM)                                     | 872,596 each of Water Meters Islandwide part of the Distribution and Transmission Water Lines System.                                                                                                          |
| Trunk Sewer Lines Islandwide (TSL)                    | Estimated amount of 5,994 Miles of Sewer Pipes Islandwide in diameters ranging from 4” to 90” and a wide variety of materials.                                                                                 |
| Telemetry (T)                                         | Telemetry System along with PRASA Islandwide facilities: WTP, WWTP, WWPS, WPS, and Wells. Telemetry topic included in individual projects.                                                                     |
| Projects Pending to be Determine (PPTD)               | PRASA will evaluate other projects covered under the FAASt funding obligation. PRASA will use this classification to integrate projects to be defined and/or cover contingencies of already approved projects. |



PRASA's team identified the projects for inclusion in the FAASSt Workplan, prioritized the projects, and developed the estimated sequencing for FEMA submission, approval, and subsequent execution. Each project in the FAASSt Workplan includes a brief project description and cost estimate. PRASA's team also listed each project into one of the three-time horizons: near-term (i.e., 2021-2023), mid-term (i.e., 2024-2027), and long-term (i.e., 2028 and beyond). Four (4) major standard milestones were defined and standardized across all projects in the FAASSt Workplan. PRASA's team estimated the timing for each major milestone for each project.

The four (4) standardized major milestones are:

- Project expected to commence 30% architecture and engineering work.
- Project expected submission to COR3 and FEMA for review and approval.
- Project expected to commence construction/implementation.
- Project expected to commence FEMA and COR3 closeout activities.

PRASA assigned projects to a time horizon based on when the project's first major milestone starts. The prioritization methodology used the following criteria:

- Currently out of service or inoperative infrastructure
- Safety, environmental, and water quality standards requirements
- System operation needs and constraints
- Impacts to reliability performance, such as extreme droughts
- Severe storm hazard mitigation



### 1.3 Plan Overview

PRASA's FAASSt Workplan includes approximately **\$4.2 Billion** in investment needed to rehabilitate and improve Puerto Rico's water and wastewater system, most of which qualifies for FEMA funding under its 428 and 404 hazard mitigation programs. The 404 current approved projects until this revision are the following:

- Project # 4339-0046- South Region Water Supply System Improvement (Bauta Tunnel)- Phase 1, Approved Amount \$ 26,416,007.71. Total Estimated Cost of the Project is \$245,406,750.22.
- Project # 4339-0019- Enrique Ortega Water Treatment Plant Raw Water Intake Power Generators Phase 1, Approved Amount \$661,523.70. Total Estimated Cost of the Project is \$ 28,645,725.14.
- Project # 4339-0020- Salinas Water Supply System Project Phase 1, Approved Amount \$2,740,874.20. Total Estimated Cost of the Project is \$ 44,138,250.01.
- Project -Valenciano Distribution System- Total Estimated Cost is \$414,550.525.79.

Also, PRASA will submit proposals for 406 funding with its applicable 428 proposals. FEMA's 406 programs are designed to provide funding to rebuild infrastructure exceeding industry standards to prevent damage from future disaster events, referred to as the "hardening" of assets. In alignment with COR3 and FEMA's process, PRASA will submit proposals for 406 funding with each of its applicable 428 project submittals. Currently, PRASA already received approval under the 406 funds for eight (8) projects under the workplan for a total amount of \$610,984,595.70.



Table 1-3 summarized the plan by asset categories and funding source, deducting the amount of \$133.7 Million corresponding to insurances, as described in the approved FAASt Project Number 144184, MAAA200 PRASA Islandwide.

**Table 1-3: Plan Summary by Asset Categories and Funding Source List**

| Asset Category | FEMA 428(\$M)     | FEMA 404 (\$M)   | FEMA 406(\$M)      | Estimated Total Cost |
|----------------|-------------------|------------------|--------------------|----------------------|
| WTP            | \$1,658.06        | \$321.53         | \$645.72           | \$2,625.31           |
| WWTP           | \$1,075.58        | \$0.00           | \$1,526.12         | \$2,601.70           |
| WWPS           | \$62.93           | \$0.00           | \$7.10             | \$70.03              |
| WPS            | \$54.47           | \$0.00           | \$111.49           | \$165.96             |
| WST & WPS      | \$8.76            | \$0.00           | \$0.00             | \$8.76               |
| WST            | \$24.78           | \$0.00           | \$0.00             | \$24.78              |
| RWW            | \$23.13           | \$0.00           | \$0.00             | \$23.13              |
| B              | \$107.91          | \$0.00           | \$17.95            | \$125.87             |
| OO             | \$26.99           | \$0.00           | \$0.00             | \$26.99              |
| D              | \$7.18            | \$0.00           | \$4.03             | \$11.21              |
| R              | \$135.71          | \$245.41         | \$60.44            | \$441.56             |
| D&T-WL         | \$290.13          | \$187.66         | \$5.00             | \$482.79             |
| WM             | \$220.67          | \$0.00           | \$578.04           | \$798.71             |
| TSL            | \$347.24          | \$0.00           | \$17.10            | \$364.34             |
| T*             | \$4.57            | \$0.00           | \$0.00             | \$4.57               |
| PPTD**         | \$21.17           | \$0.00           | \$0.00             | \$21.17              |
| Sub-Total      | <b>\$4,069.30</b> | <b>\$754.59*</b> | <b>\$2,973.00*</b> | <b>\$7,796.89</b>    |

\* 404 and 406 Funds- Approved and proposed

It is important to note that all cost estimates in this document are “class 5” estimates. A class 5 cost estimate is defined as an estimate with an accuracy range from 50% below to 100% above the actual final project cost and is prepared at an early stage in the project development process. Leading industry practice is to revise estimates to become more accurate as engineering design progresses and project requirements are solidified.

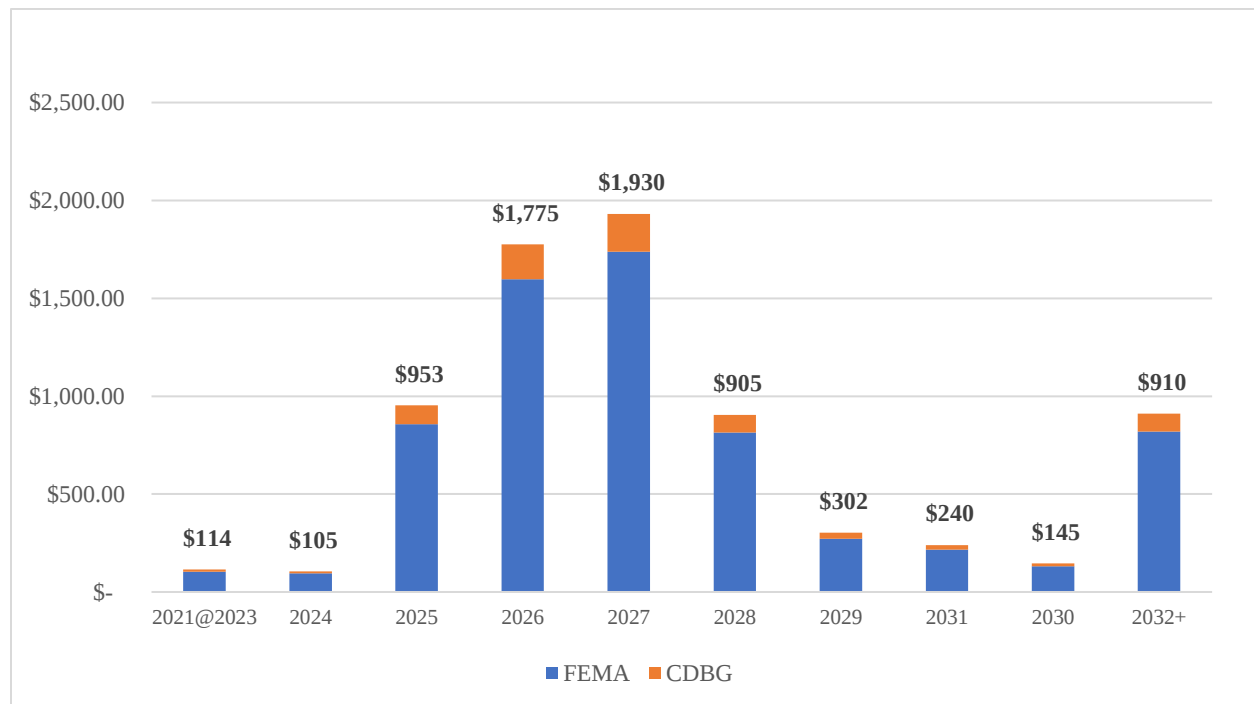


In addition to the funding sources discussed above, PRASA will seek to leverage funds from Community Development Block Grant Disaster Recovery (CDBG-DR) for the 10% cost-share allocation.

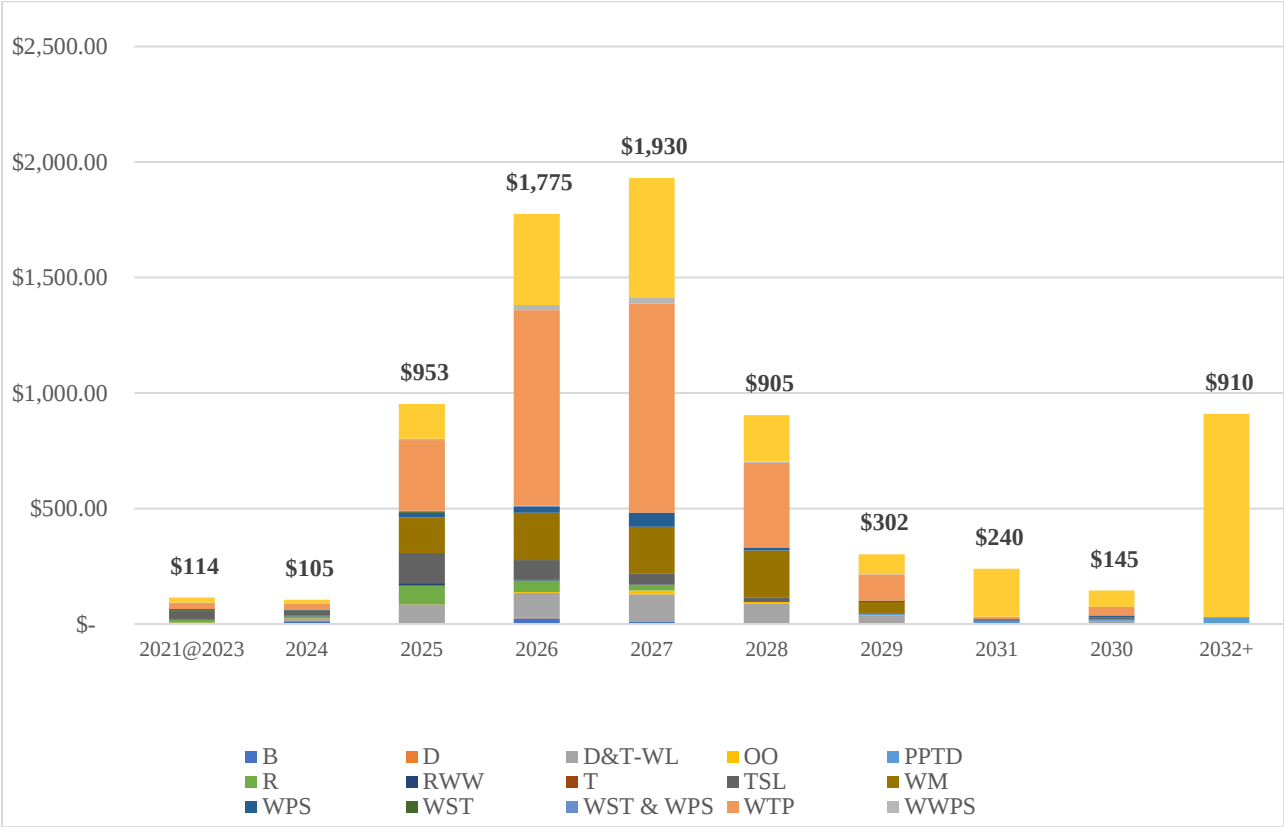
Forecasts spend projections for each project are scoped to include all project activities from the point at which the project commences initial architectural and engineering work through the completion of project closeout activities. Several projects within the FAASt Workplan extend throughout the entire 10-year period.

Figure 1-1 and Figure 1-2, illustrates the projected cash flow for the next ten years and the cost-share allocation needs by the Fiscal Year (FY), which starts in July of each year and ends in June of the next year.

**Figure 1-1: Projected Cash Flow and Cost-Share Allocation Needs by FY (\$ Million)**



**Figure 1-2: Projected Cash Flow by Asset Category by Fiscal Year (\$ Million)**



As discussed above, 245 projects were identified in this revision, prioritized, and included in the FAASt Workplan - Thirteenth Revision -July 2024. Table 1-4 illustrates the distribution of these projects by asset category and when the projects are planning to begin the architectural and engineering (A & E) design phase on the horizon.

**Table 1-4: Number of Projects to Start A & E Design Phase by Asset Category in the Time Horizon (Natural Years and Cumulative Total)**

| Asset Category | Near- Term<br>(2021-2023)<br>Projects/\$ (M) |                   | Mid – Term<br>(2024-2027)<br>Projects/\$ (M) |                 | Long – Term<br>(2028-2030)<br>Projects/\$ (M) |                 | Total<br>Projects/\$ (M) |                    |
|----------------|----------------------------------------------|-------------------|----------------------------------------------|-----------------|-----------------------------------------------|-----------------|--------------------------|--------------------|
| WTP            | 52                                           | \$1,526.32        | 28                                           | \$124.92        | 2                                             | \$6.82          | 82                       | \$1,658.06         |
| WWTP           | 17                                           | \$807.13          | 19                                           | \$211.12        | 6                                             | \$57.34         | 42                       | \$1,075.58         |
| WWPS           | 7                                            | \$59.17           | 2                                            | \$0.00          | 4                                             | \$3.76          | 13                       | \$62.93            |
| WPS            | 6                                            | \$35.53           | 3                                            | \$0.00          | 4                                             | \$18.94         | 13                       | \$54.47            |
| WST & WPS      | 1                                            | \$8.37            | 0                                            | \$0.00          | 1                                             | \$0.40          | 2                        | \$8.76             |
| WST            | 5                                            | \$21.28           | 0                                            | \$0.00          | 2                                             | \$3.50          | 7                        | \$24.78            |
| RWW            | 5                                            | \$23.13           | 0                                            | \$0.00          | 0                                             | \$0.00          | 5                        | \$23.13            |
| B              | 4                                            | \$51.38           | 3                                            | \$56.03         | 1                                             | \$0.50          | 8                        | \$107.91           |
| OO             | 1                                            | \$26.99           | 0                                            | \$0.00          | 0                                             | \$0.00          | 1                        | \$26.99            |
| D              | 1                                            | \$7.18            | 0                                            | \$0.00          | 1                                             | \$0.00          | 2                        | \$7.18             |
| R              | 3                                            | \$135.71          | 3                                            | \$0.00          | 0                                             | \$0.00          | 6                        | \$135.71           |
| D&T-WL         | 37                                           | \$281.63          | 2                                            | \$5.36          | 3                                             | \$3.14          | 42                       | \$290.13           |
| WM             | 1                                            | \$4.12            | 2                                            | \$216.55        | 0                                             | \$0.00          | 3                        | \$220.67           |
| TSL            | 14                                           | \$333.98          | 0                                            | \$0.00          | 3                                             | \$13.26         | 17                       | \$347.24           |
| T              | 0                                            | \$0.00            | 0                                            | \$0.00          | 1                                             | \$4.57          | 1                        | \$4.57             |
| PPTD           | 0                                            | \$0.00            | 0                                            | \$0.00          | 1                                             | \$21.17         | 1                        | \$21.17            |
| <b>Total</b>   | <b>154</b>                                   | <b>\$3,321.93</b> | <b>62</b>                                    | <b>\$613.97</b> | <b>29</b>                                     | <b>\$133.40</b> | <b>245*</b>              | <b>\$4,069.30*</b> |

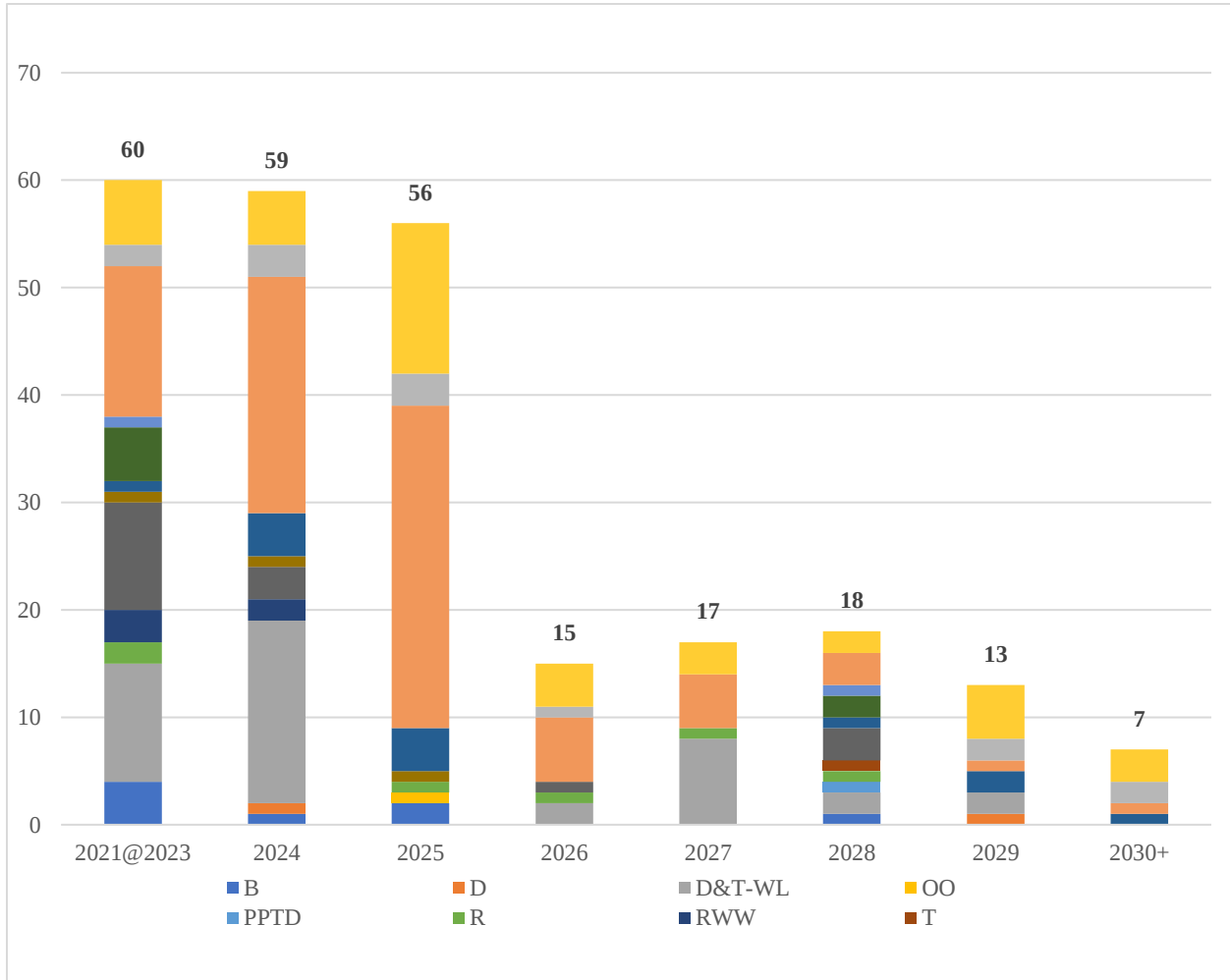
\*Total of Projects, includes 404 and 406 projects.

\*\* Total Amount , does not includes 404 and 406 assigned and/or requested funds.



Figure 1-3 provides the estimated timeframe for project submission to FEMA for review and approval. The number of projects will likely change over time as PRASA collaborates with FEMA and COR3 to evaluate each project and optimize its project submission and evaluation strategy.

**Figure 1-3: FEMA SOW Estimated Initial Submittal Timeline (Natural Years)**



The following sections provide additional information about each of the priority categories, near-term, mid-term, and long term.



## 1.4 Near-Term Projects Profile (2021-2023)

There are 154 projects in the near-term priority category. These projects have already begun 30% architectural and engineering (A & E) design in 2021, 2022, and 2023 (natural years).

The cumulative investment on the projects started within the near term is **\$3.3 Billion**. Figure 1-4 illustrates the breakdown of cumulative investment by asset category for projects that begun during this period.

**Figure 1-4: Total Estimated Cost by Asset Category for Near-Term Projects(\$M)**

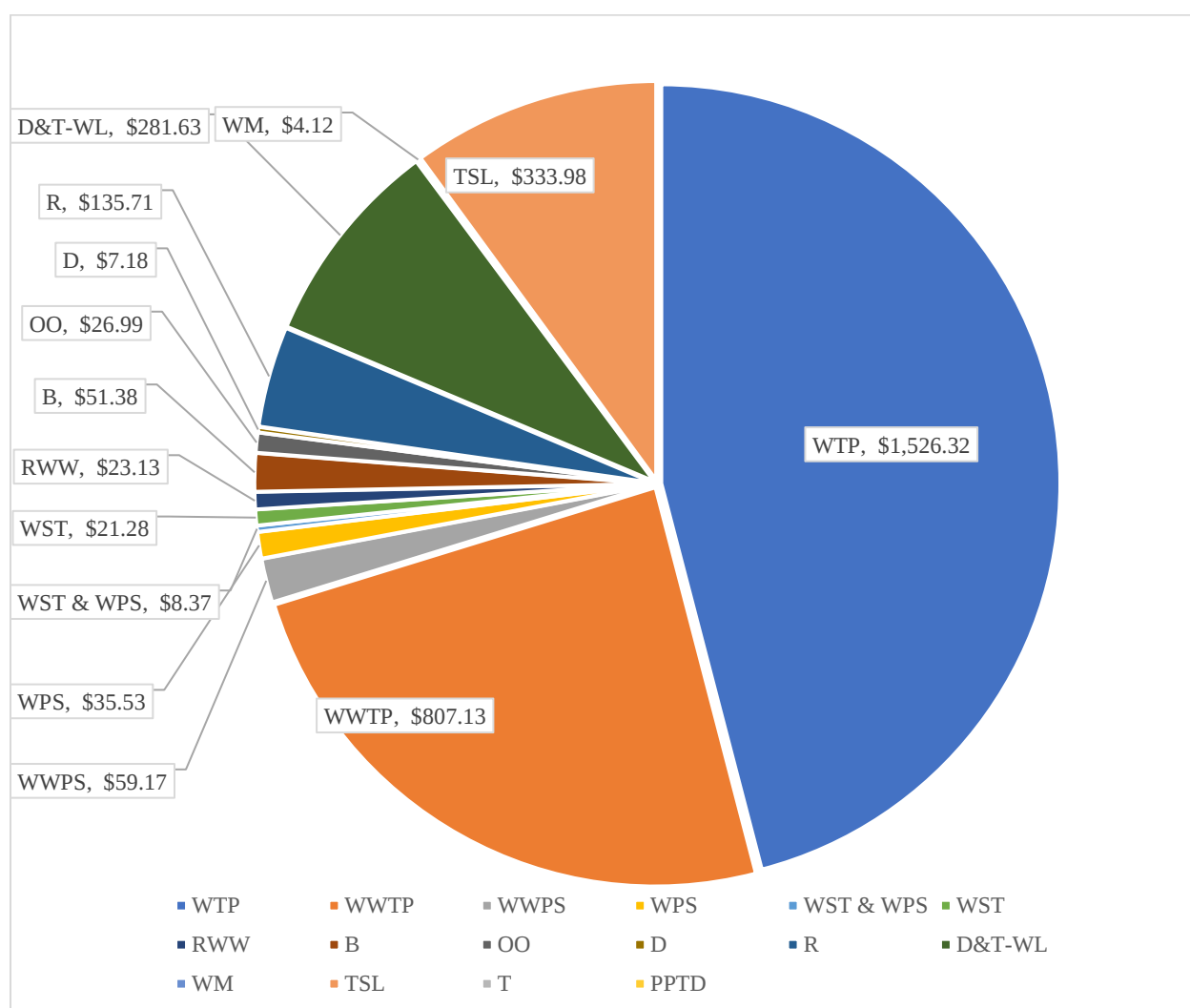


Table 1-5 provides a representative sample of notable projects slated to start during this period.



A high proportion of the FAASt Workplan projects have been sequenced in the near-term time horizon for several reasons:

- It is PRASA's objective to deliver results as quickly as possible.
- Some projects already have completed preliminary engineering and are ready to proceed into the 30% design phase.
- Some projects have a complex design, and the availability of designers with the necessary expertise is limited in Puerto Rico and these must be started in the near-term and completed within the later years of the plan.
- In many cases, environmental remediation, rights-of-way, permits, and approvals must be carried out before the actual project begins.

**Table 1-5: Near-Term (2021-2023) Notable Projects**

| Asset Category | Project #   | Description                                                                                         | A&E Start Quarter | SOW Submittal Quarter | Total Cost Estimate |
|----------------|-------------|-----------------------------------------------------------------------------------------------------|-------------------|-----------------------|---------------------|
| WST            | CIP.1009001 | Rehabilitation of Tanks Phase 1- Metro Region                                                       | 2021-Q4           | 2022-Q1               | \$4.70              |
| R              | CIP.1009002 | Carraizo Reservoir Sediment Control (Proposed 406)                                                  | 2022-Q3           | 2025-Q2               | \$49.53             |
| WPS            | CIP.1009103 | Rehabilitation of Water Pump Stations Tanks Phase 1- Metro Region                                   | 2023-Q1           | 2025-Q3               | \$3.39              |
| RWW            | CIP.1009106 | Rehabilitation of Raw Water Well Phase 1- Metro Region                                              | 2022-Q1           | 2024-Q4               | \$2.01              |
| WTP            | CIP.1016095 | Rehabilitation of Guaynabo WTP                                                                      | 2021-Q4           | 2025-Q1               | \$105.52            |
| R              | CIP.1019000 | Carraizo Reservoir Dredging                                                                         | 2021-Q1           | 2021-Q2               | \$109.90            |
| D&T-WL         | CIP.1019001 | Rehabilitation of D&T-WL Bo. Sonadora, Renacer Sector and Mansiones, Municipality of Guaynabo       | 2023-Q2           | 2023-Q4               | \$2.09              |
| D&T-WL         | CIP.1019002 | Replacement of 2" AP Pipe Sector Camino Los Bigios, Caimito (FAAST) #NRW #JG .                      | 2023-Q2           | 2024-Q4               | \$0.60              |
| D&T-WL         | CIP.1019004 | Replacement of WL Pipe, El Gato Sector at PR-834, Municipality of Guaynabo                          | 2023-Q2           | 2024-Q4               | \$0.94              |
| WTP            | CIP.1076003 | Super Aqueduct Microgrid (Proposed 406)                                                             | 2023-Q3           | 2024-Q4               | \$97.47             |
| D&T-WL         | CIP.1115069 | Renovation of the potable Water Pipeline Sector La Pra and Los Fonsecas Buena Ward (FAAST) #NRW #JG | 2023-Q2           | 2027-Q4               | \$1.18              |



| Asset Category | Project #   | Description                                                                                       | A&E Start Quarter | SOW Submittal Quarter | Total Cost Estimate |
|----------------|-------------|---------------------------------------------------------------------------------------------------|-------------------|-----------------------|---------------------|
| D&T-WL         | CIP.1115070 | Infrastructure potable water Com. Doña Concha, Bayamon (FAAST) #NRW #JG .                         | 2023-Q2           | 2027-Q4               | \$0.54              |
| D&T-WL         | CIP.1115071 | Infrastructure Potable Water Sec. Los Fonseca Bo. Cerro Gordo (FAAST) #NRW #JG .                  | 2023-Q2           | 2027-Q4               | \$0.64              |
| WTP            | CIP.1116008 | Rehabilitation of Guaynabo Santa Rosa WI (FAAST-25)                                               | 2022-Q2           | 2024-Q2               | \$61.35             |
| WTP            | CIP.1156004 | Rehabilitation of Cubuy WTP and RWI, Municipality of Canóvanas                                    | 2023-Q1           | 2025-Q1               | \$10.26             |
| WPS            | CIP.1159000 | Design and Build of Rehabilitation of Water Pump Station at La Central, Municipality of Canóvanas | 2023-Q2           | 2024-Q2               | \$3.16              |
| D&T-WL         | CIP.1159001 | Replacement and Rehabilitation of Pipeline AP Urb. Loiza Valley (FAAST) #NRW #JG .                | 2023-Q2           | 2024-Q4               | \$1.97              |
| WWTP           | CIP.1165044 | Rehabilitation of Carolina WWTP FEMA (FAAST-25)                                                   | 2021-Q3           | 2022-Q3               | \$97.24             |
| TSL            | CIP.1169001 | Rehabilitation of Los Angeles and Loiza Pueblo Trunk Sewers (FAAST)                               | 2021-Q3           | 2021-Q3               | \$11.73             |
| D&T-WL         | CIP.1169002 | Replacement and Rehabilitation of the Pipeline AP Urb. Villa Fontana (FAAST) #NRW #JG .           | 2023-Q2           | 2024-Q4               | \$2.13              |
| B              | CIP.1660002 | Rehabilitation of PRASA Main Building (Sede) Inspection Only                                      | 2021-Q4           | 2021-Q4               | \$0.48              |
| D&T-WL         | CIP.1665120 | Rehabilitation Tubería SDR14 Urb. Country Club, San Juan (FAAST) #NRW #JG .                       | 2023-Q2           | 2024-Q4               | \$3.61              |
| WWPS           | CIP.1665900 | Rehabilitation of Martín Peña WWPS (Tokio), Municipality of San Juan                              | 2023-Q2           | 2025-Q2               | \$12.99             |
| WTP            | CIP.1709000 | Enrique Ortega WTP- Raw Water Intake Power Generator (FEMA-404)                                   | 2021-Q2           | 2022-Q4               | \$43.78             |
| WTP            | CIP.1726043 | Rehabilitation of Sergio Cuevas WTP                                                               | 2022-Q2           | 2025-Q1               | \$116.66            |
| WST            | CIP.2009001 | Rehabilitation of Tanks Phase 1- North Region                                                     | 2022-Q1           | 2022-Q4               | \$5.66              |
| WPS            | CIP.2009103 | Rehabilitation of Water Pump Stations Tanks Phase 1- North Region                                 | 2022-Q2           | 2024-Q4               | \$6.89              |
| WWPS           | CIP.2009104 | Rehabilitation of Wastewater Pump Stations Tanks Phase 1- North Region                            | 2022-Q2           | 2024-Q4               | \$7.88              |
| RWW            | CIP.2009106 | Rehabilitation of Raw Water Well Phase 1- North Region                                            | 2022-Q3           | 2023-Q2               | \$9.18              |



| Asset Category | Project #   | Description                                                                                            | A&E Start Quarter | SOW Submittal Quarter | Total Cost Estimate |
|----------------|-------------|--------------------------------------------------------------------------------------------------------|-------------------|-----------------------|---------------------|
| WTP            | CIP.2017005 | Rehabilitation of Culebrinas WTP                                                                       | 2021-Q1           | 2021-Q1               | \$110.33            |
| WWPS           | CIP.2039000 | Rehabilitation of Guerrero 2 WWPS, Municipality of Aguadilla                                           | 2022-Q1           | 2022-Q1               | \$5.54              |
| D&T-WL         | CIP.2071000 | Improvements to Arecibo Water Distribution System (Proposed 406)                                       | 2023-Q1           | 2028-Q1               | \$5.00              |
| WWTP           | CIP.2075073 | Rehabilitation of Islote WWTP, Arecibo (Proposed 406)                                                  | 2022-Q3           | 2026-Q1               | \$118.61            |
| WTP            | CIP.2076042 | Rehabilitation of Esperanza Arecibo WTP and RWI                                                        | 2021-Q3           | 2022-Q1               | \$20.73             |
| TSL            | CIP.2095052 | Rehabilitation of 42 IN Trunk Sewer Line from PR-684 to the South part of Barceloneta WWTP             | 2021-Q3           | 2022-Q1               | \$32.32             |
| WTP            | CIP.2096007 | Rehabilitation of Enrique Ortega WTP                                                                   | 2021-Q1           | 2021-Q1               | \$161.55            |
| TSL            | CIP.2149001 | Rehabilitation of Camuy Trunk Sewer Lines (FAAST)                                                      | 2022-Q1           | 2021-Q3               | \$76.07             |
| WTP            | CIP.2206107 | Rehabilitation of Ciales Fronton WTP and RWI                                                           | 2021-Q4           | 2022-Q2               | \$27.64             |
| WTP            | CIP.2246106 | Rehabilitation of Corozal Negros RWI                                                                   | 2022-Q3           | 2024-Q1               | \$8.03              |
| WTP            | CIP.2246116 | Rehabilitation of Corozal Negros WTP                                                                   | 2023-Q1           | 2024-Q4               | \$36.68             |
| D&T-WL         | CIP.2265016 | D&B Installation of 12 in Water Pipeline PR-691, Dorado, PR (FAAST)                                    | 2023-Q4           | 2024-Q2               | \$10.44             |
| D&T-WL         | CIP.2265017 | Design and Build for the Rehabilitation of the Distribution System of Vega Alta & Dorado Potable Water | 2023-Q3           | 2024-Q2               | \$4.57              |
| D&T-WL         | CIP.2269000 | Rehabilitación Siste. Distrib de Dorado/Vega Alta (Dorado Twist) (FAAST) #NRW #JG                      | 2023-Q2           | 2024-Q3               | \$1.45              |
| D&T-WL         | CIP.2269001 | Replacement of 4 IN Pipeline in Villa 2000 Community in Dorado                                         | 2022-Q4           | 2023-Q2               | \$1.99              |
| WPS            | CIP.2329004 | Design and Build of Rehabilitation of Water Pump Station at Ciales Pozas                               | 2022-Q3           | 2023-Q1               | \$5.28              |
| WTP            | CIP.2346015 | Rehabilitation of Hatillo-Camuy WTP                                                                    | 2022-Q1           | 2022-Q2               | \$52.25             |
| D&T-WL         | CIP.2346016 | Replacement of 4" and 6" WL, Bayaney Ward, Municipality of Hatillo                                     | 2023-Q2           | 2024-Q2               | \$1.46              |
| D&T-WL         | CIP.2349003 | Design and Build 16" WL, PR-119, Hatillo-Camuy                                                         | 2022-Q4           | 2023-Q3               | \$6.54              |
| TSL            | CIP.2375002 | Trunk Sewer Lines (TSL) Isabela - Aguada (FAAST)                                                       | 2021-Q4           | 2022-Q3               | \$42.41             |



| Asset Category | Project #   | Description                                                                                     | A&E Start Quarter | SOW Submittal Quarter | Total Cost Estimate |
|----------------|-------------|-------------------------------------------------------------------------------------------------|-------------------|-----------------------|---------------------|
| TSL            | CIP.2375003 | Rehabilitation of Isabela TSL (Including Aguadilla WWPS Avenue and Fomento)                     | 2022-Q1           | 2024-Q1               | \$18.68             |
| WTP            | CIP.2386047 | Rehabilitation of Jayuya Urbano WTP and RWI                                                     | 2022-Q4           | 2024-Q4               | \$38.33             |
| WTP            | CIP.2386049 | Elimination of Jayuya Canalizo WTP and RWI                                                      | 2022-Q4           | 2025-Q3               | \$29.53             |
| WTP            | CIP.2386057 | Rehabilitation of Jayuya WTP and RWI                                                            | 2022-Q4           | 2024-Q4               | \$7.11              |
| D&T-WL         | CIP.2389000 | Rehabilitation of Pipe 4" AP D.I. Sector Cuesta del Cementerio (FAAST) #NRW #JG                 | 2023-Q2           | 2027-Q4               | \$0.78              |
| D&T-WL         | CIP.2419001 | Rehabilitación al Sistema de Río Lajas, Dorado (FAAST) #NRW #JG                                 | 2023-Q2           | 2027-Q4               | \$3.28              |
| WTP            | CIP.2426099 | Rehabilitation of Lares Indiera Alta WTP and RWI                                                | 2022-Q3           | 2024-Q4               | \$12.48             |
| WTP            | CIP.2426100 | Rehabilitation of Lares Nueva Espino WTP and RWI                                                | 2021-Q3           | 2022-Q1               | \$30.65             |
| WWTP           | CIP.2475021 | Rehabilitation of Barceloneta WWTP (FAAST-25)                                                   | 2022-Q3           | 2026-Q1               | \$29.85             |
| D&T-WL         | CIP.2475022 | Installation of Water Line at Río Utuado Bridge, Municipality of Utuado                         | 2021-Q4           | 2022-Q1               | \$0.91              |
| WTP            | CIP.2479001 | Rehabilitation of Morovis Sur RWI                                                               | 2021-Q1           | 2021-Q1               | \$3.56              |
| WTP            | CIP.2526006 | Rehabilitation of Morovis Sur WTP                                                               | 2021-Q4           | 2022-Q3               | \$48.12             |
| WTP            | CIP.2526007 | Rehabilitation of Morovis Urbano WTP                                                            | 2022-Q4           | 2023-Q4               | \$11.47             |
| D&T-WL         | CIP.2526008 | Improvements to the Water Distribution System in Morovis (FAAST)                                | 2022-Q3           | 2024-Q2               | \$38.96             |
| D&T-WL         | CIP.2526009 | Design and Build of 4" y 2" PVC SDR-14 Sec. Los Pedrozas (FAAST) #NRW                           | 2023-Q2           | 2027-Q4               | \$0.85              |
| D&T-WL         | CIP.2549000 | Rehabilitation of Transmission and Distribution System at Naranjito (FAAST)                     | 2022-Q3           | 2024-Q4               | \$62.97             |
| WTP            | CIP.2596004 | Rehabilitation of Quebradillas WTP and RWI                                                      | 2022-Q2           | 2025-Q1               | \$44.60             |
| D&T-WL         | CIP.2709001 | Design and Construction of 6" WL, El Tocon Sector, Quebrada Cruz Ward, Municipality of Toa Alta | 2022-Q4           | 2023-Q1               | \$1.82              |
| D&T-WL         | CIP.2709002 | Design and Construction of 4" WL, Villa Esperanza Community, Municipality of Toa Alta           | 2022-Q4           | 2024-Q2               | \$3.52              |



| Asset Category | Project #   | Description                                                           | A&E Start Quarter | SOW Submittal Quarter | Total Cost Estimate |
|----------------|-------------|-----------------------------------------------------------------------|-------------------|-----------------------|---------------------|
| TSL            | CIP.2709010 | Improvements to the Teefrans TSL, Municipality of Arecibo             | 2022-Q1           | 2023-Q3               | \$8.93              |
| WTP            | CIP.2736005 | Rehabilitation of Utuado Mameyes Limon (Arriba) WTP and RWI           | 2022-Q3           | 2025-Q2               | \$20.15             |
| WTP            | CIP.2736006 | Rehabilitation of Utuado Mameyes WTP and RWI                          | 2022-Q3           | 2025-Q3               | \$11.43             |
| WTP            | CIP.2739001 | Rehabilitation of Lago Viví RWI                                       | 2021-Q3           | 2023-Q2               | \$6.01              |
| TSL            | CIP.2755055 | Rehabilitation of Vega Baja Trunk Sewer Lines (TSL)                   | 2021-Q3           | 2021-Q4               | \$9.90              |
| WTP            | CIP.2916002 | Rehabilitation of Arecibo Superacueductos WTP                         | 2022-Q2           | 2025-Q3               | \$124.60            |
| WST            | CIP.3009001 | Rehabilitation of Tanks Phase 1- East Region                          | 2021-Q4           | 2022-Q1               | \$3.90              |
| WPS            | CIP.3009103 | Rehabilitation of Water Pump Stations Tanks Phase 1- East Region      | 2022-Q3           | 2024-Q2               | \$9.50              |
| WWPS           | CIP.3009104 | Rehabilitation of Wastewater Pump Stations Tanks Phase 1- East Region | 2023-Q2           | 2024-Q4               | \$8.07              |
| RWW            | CIP.3009106 | Rehabilitation of Raw Water Wells Phase 1- Este Region                | 2022-Q2           | 2022-Q4               | \$2.68              |
| WTP            | CIP.3106105 | Rehabilitation of Barranquitas La Boca WTP and RWI                    | 2023-Q2           | 2025-Q1               | \$18.32             |
| WTP            | CIP.3106106 | Rehabilitation of Barranquitas Barrancas WTP and RWI                  | 2022-Q3           | 2024-Q4               | \$29.72             |
| B              | CIP.3130001 | PRASA Central Laboratory in Caguas (FAAST)                            | 2021-Q1           | 2021-Q1               | \$40.63             |
| WWTP           | CIP.3135079 | Rehabilitation of Blowers in Caguas WWTP (FAAST)                      | 2021-Q1           | 2021-Q4               | \$5.93              |
| WTP            | CIP.3136012 | Rehabilitation of Caguas Norte WTP                                    | 2022-Q3           | 2024-Q4               | \$80.37             |
| B              | CIP.3139000 | New Central Laboratory Caguas-Equipment- FAAST                        | 2021-Q1           | 2022-Q1               | \$8.07              |
| WWTP           | CIP.3139001 | Rehabilitation of Caguas WWTP (FAAST-25)                              | 2022-Q1           | 2025-Q3               | \$141.39            |
| TSL            | CIP.3139002 | Rehabilitation of Caguas Trunk Sewer Lines (FAAST)                    | 2021-Q3           | 2021-Q4               | \$34.33             |
| D&T-WL         | CIP.3139004 | Extension to Water System Aguas Buenas Mulas Tizas (FAAST) #NRW #JG   | 2023-Q2           | 2023-Q4               | \$3.42              |
| WTP            | CIP.3156093 | Rehabilitation of Río Grande El Yunque WTP                            | 2022-Q1           | 2023-Q4               | \$60.59             |
| WTP            | CIP.3156094 | Replacement of RWI at Mameyes River for the Yunque WTP                | 2022-Q3           | 2024-Q2               | \$23.98             |
| WTP            | CIP.3186003 | Rehabilitation of El Farallon WTP                                     | 2022-Q3           | 2024-Q3               | \$35.33             |



| Asset Category | Project #   | Description                                                                                | A&E Start Quarter | SOW Submittal Quarter | Total Cost Estimate |
|----------------|-------------|--------------------------------------------------------------------------------------------|-------------------|-----------------------|---------------------|
| B              | CIP.3188001 | Rehabilitation of Cayey Operations Office, Cayey PR                                        | 2023-Q2           | 2023-Q4               | \$2.21              |
| WWTP           | CIP.3236247 | Rehabilitation of Comerío WWTP (FAAST)                                                     | 2022-Q2           | 2029-Q1               | \$36.82             |
| WWTP           | CIP.3279001 | Rehabilitation of Switchgear Fajardo WWTP (FAAST) #NRW #JG                                 | 2023-Q3           | 2024-Q4               | \$6.84              |
| WWTP           | CIP.3305001 | Improvements to Guayama WWTP (FAAST)                                                       | 2021-Q1           | 2021-Q1               | \$95.96             |
| WWTP           | CIP.3365083 | Rehabilitation of Humacao Waste Water Treatment Plant (WWTP) Sludge Treatment System (STS) | 2021-Q2           | 2021-Q3               | \$12.71             |
| WTP            | CIP.3366005 | Rehabilitation of Humacao WTP                                                              | 2021-Q3           | 2028-Q2               | \$5.06              |
| WTP            | CIP.3405005 | Valenciano WTP Expansion (404)                                                             | 2023-Q3           | 2026-Q1               | \$75.29             |
| D&T-WL         | CIP.3405006 | Valenciano Water Distribution System (404)                                                 | 2023-Q3           | 2026-Q1               | \$187.66            |
| WTP            | CIP.3405007 | Valenciano Dam and RWI (404)                                                               | 2023-Q3           | 2026-Q1               | \$154.60            |
| WWPS           | CIP.3445009 | Design and Build La Sabana Las Piedras WWPS                                                | 2021-Q2           | 2021-Q2               | \$0.65              |
| WTP            | CIP.3536006 | Rehabilitation Naguabo Río Blanco WTP                                                      | 2022-Q1           | 2024-Q4               | \$29.99             |
| WWTP           | CIP.3765002 | Rehabilitation Vieques WWTP (FAAST)                                                        | 2022-Q1           | 2023-Q4               | \$45.99             |
| WWTP           | CIP.3785018 | Rehabilitation of Yabucoa WWTP (FAAST)                                                     | 2023-Q3           | 2026-Q2               | \$13.83             |
| WST            | CIP.4009001 | Rehabilitation of Tanks Phase 1- South Region                                              | 2021-Q1           | 2022-Q1               | \$4.27              |
| WST & WPS      | CIP.4009103 | Rehabilitation of Water Pump Stations Tanks Phase 1- South Region                          | 2022-Q3           | 2023-Q2               | \$8.37              |
| WWPS           | CIP.4009104 | Rehabilitation of Wastewater Pump Stations Tanks Phase 1- South Region                     | 2023-Q1           | 2024-Q4               | \$10.64             |
| RWW            | CIP.4009106 | Rehabilitation of Raw Water Well Phase 1- South Region                                     | 2022-Q1           | 2023-Q2               | \$5.10              |
| WTP            | CIP.4046010 | Rehabilitation of RWI Rio Añasco and Desander FEMA-406                                     | 2021-Q1           | 2024-Q4               | \$22.06             |
| TSL            | CIP.4089000 | Rehabilitation of Arroyo-Guayama Trunk Sewer Lines (FAAST)                                 | 2021-Q1           | 2021-Q4               | \$21.99             |
| TSL            | CIP.4299000 | Rehabilitation of Barriada Esperanza Guanica Trunk Sewer System                            | 2022-Q4           | 2024-Q3               | \$8.02              |
| WTP            | CIP.4316007 | Rehabilitation of Jaguas Pasto Guayanilla WTP                                              | 2021-Q4           | 2024-Q4               | \$16.76             |
| WWTP           | CIP.4495001 | Rehabilitation or Elimination of Maunabo WWTP (FAAST-25)                                   | 2021-Q4           | 2024-Q2               | \$53.95             |



| Asset Category | Project #   | Description                                                                                           | A&E Start Quarter | SOW Submittal Quarter | Total Cost Estimate |
|----------------|-------------|-------------------------------------------------------------------------------------------------------|-------------------|-----------------------|---------------------|
| WTP            | CIP.4556009 | Rehabilitation of Sanamuertos Orocovis WTP                                                            | 2022-Q4           | 2024-Q4               | \$14.67             |
| D&T-WL         | CIP.4559002 | Replacement of WL El Gato Ward, Orocovis, PR (FAAST)                                                  | 2022-Q4           | 2023-Q1               | \$2.79              |
| WTP            | CIP.4576002 | Rehabilitation of Peñuelas WTP                                                                        | 2023-Q3           | 2024-Q4               | \$19.09             |
| TSL            | CIP.4589003 | Rehabilitation of Ponce Trunk Sewer System (FAAST)                                                    | 2021-Q2           | 2021-Q4               | \$20.09             |
| D&T-WL         | CIP.4589006 | Rehabilitation of WL La Yuca Sector, Ponce, PR (FAAST)                                                | 2022-Q4           | 2023-Q1               | \$2.48              |
| D&T-WL         | CIP.4589007 | Rehabilitation of WL Sabanetas Sector, Ponce, PR (FAAST).                                             | 2023-Q2           | 2023-Q4               | \$6.71              |
| WTP            | CIP.4646004 | Raw Water Wells Closure/ Salinas WTP (FEMA-404)                                                       | 2022-Q1           | 2024-Q4               | \$47.86             |
| TSL            | CIP.4649000 | Replacement of TSL Santos Amadeo, Baldorioty & Miguel Casco Urban, Salinas (FAAST)                    | 2023-Q1           | 2024-Q4               | \$14.37             |
| WWTP           | CIP.4695042 | Rehabilitation of Santa Isabel WWTP (FAAST)                                                           | 2022-Q1           | 2024-Q4               | \$75.22             |
| WTP            | CIP.4776077 | Rehabilitation of Villalba Apeadero WTP                                                               | 2022-Q1           | 2024-Q4               | \$8.63              |
| WTP            | CIP.4776078 | Rehabilitation of Jagueyes Villalba WTP                                                               | 2022-Q1           | 2023-Q4               | \$15.75             |
| WTP            | CIP.4796004 | Rehabilitation of Yauco Río Prieto WTP                                                                | 2023-Q2           | 2025-Q1               | \$26.84             |
| WST            | CIP.5009001 | Rehabilitation of Tanks Phase 1- West Region                                                          | 2022-Q1           | 2022-Q4               | \$2.75              |
| WPS            | CIP.5009103 | Rehabilitation of Water Pump Stations Tanks Phase 1- West Region                                      | 2023-Q1           | 2024-Q4               | \$7.30              |
| WWPS           | CIP.5009104 | Rehabilitation of Wastewater Pump Stations Tanks Phase 1- West Region                                 | 2023-Q1           | 2025-Q1               | \$13.41             |
| RWW            | CIP.5009106 | Rehabilitation of Raw Water Well Phase 1- West Region                                                 | 2022-Q3           | 2024-Q4               | \$4.17              |
| WWTP           | CIP.5035001 | Rehabilitation of Aguada WWTP (FAAST-25)                                                              | 2022-Q2           | 2029-Q3               | \$52.24             |
| WTP            | CIP.5036006 | Rehabilitation Aguadilla Montaña WTP                                                                  | 2023-Q2           | 2025-Q2               | \$75.03             |
| D&T-WL         | CIP.5129001 | Design & Build Installation of 4" WL Betances Community, Llanos Tuna Ward, Cabo Rojo (FAAST) #NRW #JG | 2023-Q2           | 2027-Q4               | \$0.97              |
| WWTP           | CIP.5375021 | Removal of PAS Isabela (LB-J 17) (FEMA-406)                                                           | 2021-Q2           | 2026-Q1               | \$109.20            |
| R              | CIP.5376001 | Repair of Geosynthetic Membranes in Lago Regulador in Isabela                                         | 2021-Q2           | 2021-Q2               | \$32.73             |



| Asset Category | Project #                       | Description                                                                                                                                                                                                                                                                                                                                                                      | A&E Start Quarter | SOW Submittal Quarter | Total Cost Estimate |
|----------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------|---------------------|
| WTP            | CIP.5379002                     | Guajataca Floating RWI                                                                                                                                                                                                                                                                                                                                                           | 2022-Q1           | 2022-Q3               | \$8.23              |
| WWTP           | CIP.5415031                     | Rehabilitation of Lajas WWTP (FAAST)                                                                                                                                                                                                                                                                                                                                             | 2022-Q2           | 2025-Q2               | \$15.80             |
| WTP            | CIP.5486006                     | Rehabilitation of Monte del Estado Maricao WTP                                                                                                                                                                                                                                                                                                                                   | 2022-Q3           | 2024-Q4               | \$11.64             |
| WTP            | CIP.5486007                     | Rehabilitation of Maricao WTP                                                                                                                                                                                                                                                                                                                                                    | 2023-Q2           | 2025-Q1               | \$13.46             |
| WTP            | CIP.5489001                     | Rehabilitation of Maricao Monte del Estado RWI                                                                                                                                                                                                                                                                                                                                   | 2022-Q3           | 2024-Q3               | \$11.50             |
| WWTP           | CIP.5505028                     | Rehabilitation of Mayaguez WWTP (FAAST-25)                                                                                                                                                                                                                                                                                                                                       | 2021-Q2           | 2023-Q4               | \$123.34            |
| WTP            | CIP.5506044                     | Rehabilitation of Miradero Mayagüez RWI                                                                                                                                                                                                                                                                                                                                          | 2022-Q1           | 2024-Q2               | \$50.06             |
| WTP            | CIP.5506046                     | Rehabilitation of Ponce de Leon Mayaguez WTP                                                                                                                                                                                                                                                                                                                                     | 2023-Q1           | 2025-Q1               | \$40.92             |
| WTP            | CIP.5506047                     | Rehabilitation of Miradero Mayaguez WTP                                                                                                                                                                                                                                                                                                                                          | 2022-Q3           | 2025-Q1               | \$47.04             |
| TSL            | CIP.5509001                     | Rehabilitation of Hormigueros and Mayaguez Trunk Sewer Lines (FAAST)                                                                                                                                                                                                                                                                                                             | 2022-Q1           | 2021-Q4               | \$33.10             |
| OO             | CIP.5509105                     | Rehabilitation of Mayaguez Ocean Outfall                                                                                                                                                                                                                                                                                                                                         | 2023-Q1           | 2025-Q2               | \$26.99             |
| D&T-WL         | CIP.5609001                     | Installation of 12" WL PR-115, Rincón (FAAST)                                                                                                                                                                                                                                                                                                                                    | 2023-Q3           | 2024-Q4               | \$8.96              |
| TSL            | CIP.5685000                     | Replacement of Trunk Sewer Lines (TSL) in San Sebastián (FAAST)                                                                                                                                                                                                                                                                                                                  | 2022-Q4           | 2026-Q1               | \$19.15             |
| WM             | CIP.6009002                     | Water Meters Pilot Project (FAAST)                                                                                                                                                                                                                                                                                                                                               | 2021-Q3           | 2021-Q4               | \$4.12              |
| D&T-WL         | CIP.7349002                     | Hatillo -New Distribution System Campo Alegre Ward, Sectors 10 #NRW #JG (FAAST)                                                                                                                                                                                                                                                                                                  | 2022-Q3           | 2024-Q1               | \$11.93             |
| D              | CIP.7776071                     | Rehabilitation of Toa Vaca Dam                                                                                                                                                                                                                                                                                                                                                   | 2021-Q2           | 2024-Q4               | \$7.18              |
| D&T-WL         | Several East Region (3-18-5019) | Replacement of Water Pipelines at East Region Phase 1 (CIP.3046007- Sumideros Ward, Aguas Buenas; CIP.3136015-Urb. Mirador, Caguas; CIP.3185018- Replacement of 4", Maton Arriba Ward, Calle Jorge Rochi, Cayey; CIP.3185019- PR-1 Km. 61, Maton C1Arriba Ward, Cayey; CIP.3279002-Damajagua Ward, Fajardo; CIP.3279003- PR-978,Ceiba;CIP.3279004-PR-976, Volatín Ward, Fajardo) | 2023-Q2           | 2023-Q4               | \$12.05             |



| Asset Category | Project #                        | Description                                                                                                                                                                                                                                                                                                                                                                                           | A&E Start Quarter | SOW Submittal Quarter | Total Cost Estimate |
|----------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------|---------------------|
| D&T-WL         | Several Metro Region (1-01-9003) | Replacement of Water Pipelines at Metro Region Phase 1 (CIP-1159001-Urb. Loiza Valley, Canóvanas; CIP-1169002-Urb. Villa Fontana, Carolina; CIP-1665120-Urb. Country Club, San Juan; ; CIP-1669101- Urb. Country Club, Carolina; CIP-1019003 Ave. Juan Ponce de Leon, Bo. Amelia)                                                                                                                     | 2023-Q2           | 2024-Q2               | \$16.09             |
| D&T-WL         | Several North Region (2-38-9001) | Replacement of Water Pipelines at North Region Phase 1(CIP-2071001 La Pica, El Peje and Sabana Hoyos, Vega Alta; CIP-2389001- Tetuan III , Jayuya; CIP-2479000 Sector Boquillas,Manatí.)                                                                                                                                                                                                              | 2023-Q2           | 2024-Q2               | \$7.41              |
| D&T-WL         | Several South Region (4-08-9001) | Replacement of Water Pipelines at South Region Phase 1 (CIP.4089001- Buena Vista Sector, Arroyo; CIP.4229003- PR-155 Sector Farallones, Coamo ; CIP.4229004- PR-150 Santa Catalina and San Ildefonso, Coamo; CIP.4319001- Indios Ward, Guayanilla; CIP.4399000- Collores Sector PR 512, Juana Diaz; CIP.4779001-RLimón Sector, Villalba; CIP.4779002- Chichón Sector, Villalba)                       | 2023-Q2           | 2024-Q1               | \$25.78             |
| D&T-WL         | Several West Region (5-06-9000)  | Replacement of Water Pipelines at West Region Phase 1 (CIP.5069000-Parcelas Aqlas Aquilino, Añasco; CIP. 5379000- Chevín Sector, Isabela; CIP.5509000- París Ward, Mayaguez ;CIP. 5579003- PR-412, Corea Sector, Rincón;CIP.5609002- Camino Blanco Black Eagle, Rincón ;CIP.5609004- PR-412, Rincón; CIP.5639000- Azucena and Parcela Lluveras, Sabana Grand;CIP.5685006- Villa Rita , San Sebastián) | 2023-Q2           | 2023-Q4               | \$29.81             |



## 1.5 Mid- Term Projects Profile (2024-2027)

The mid-term priority category comprises 62 projects that should begin 30% A & E design in 2024, 2025, 2026, and 2027 (natural years). The cumulative investment on the projects expected to begin A & E within this time horizon is **\$613.97 Million**. Figure 1-5 illustrates the breakdown of cumulative investment by asset category for projects commencing during this period.

**Figure 1-5: Total Estimated Cost by Asset Category for Mid-Term Projects(\$M)**

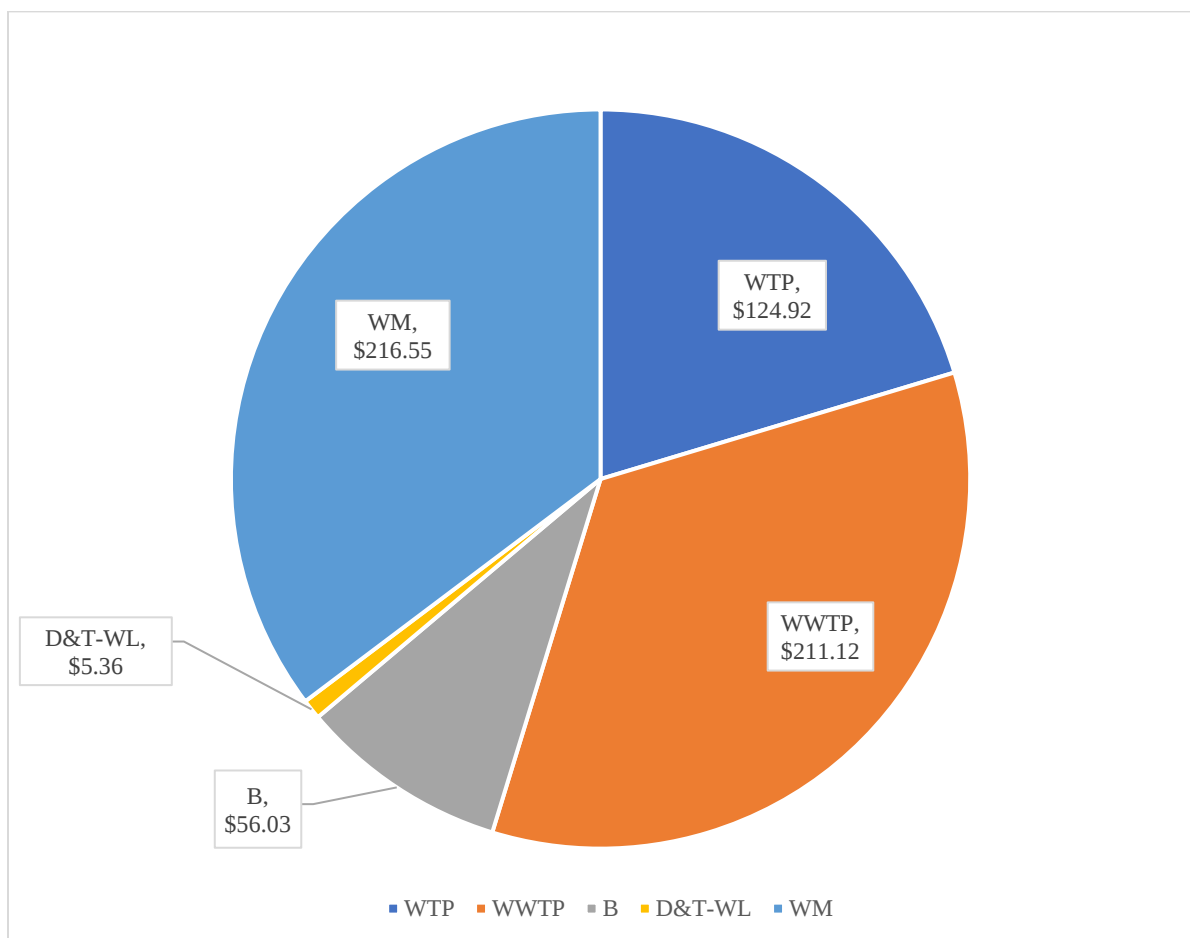


Table 1-6 provides a representative sample of notable projects slated to commence during this period.



**Table 1-6: Mid-Term (2024-2027) Notable Projects**

| Asset Category | Project #   | Description                                                                                             | A&E Start Quarter | SOW Submittal Quarter | Total Cost Estimate |
|----------------|-------------|---------------------------------------------------------------------------------------------------------|-------------------|-----------------------|---------------------|
| R              | CIP.1001001 | Metropolitan Multi- Reservoir System (FEMA) (406)                                                       | 2025-Q3           | 2028-Q3               | \$2.00              |
| WWTP           | CIP.1115018 | Rehab PAS Bayamón Panels and Clarifiers Bayamón, PR (FAAST)                                             | 2024-Q3           | 2025-Q3               | \$30.00             |
| WPS            | CIP.1155017 | Finca Rosso 1 Pump Station Microgrid Bayamón, PR (FEMA-406)                                             | 2024-Q2           | 2025-Q2               | \$26.65             |
| WTP            | CIP.1156005 | Rehabilitation of Canóvanas Nueva WTP and RWI                                                           | 2027-Q1           | 2027-Q4               | \$13.00             |
| WTP            | CIP.1325016 | Guaynabo Water Treatment Plant-Microgrid, Guaynabo, PR (FEMA-406)                                       | 2024-Q1           | 2025-Q1               | \$7.32              |
| WWTP           | CIP.1455017 | Carolina Regional WWTP & Torrecillas WWTPs WWTP Microgrid Loiza, PR (FEMA-406)                          | 2024-Q2           | 2024-Q4               | \$26.63             |
| WWTP           | CIP.1655017 | Rehab PAS Puerto Nuevo Panels and Clarifiers San Juan, PR (FAAST)                                       | 2024-Q3           | 2025-Q3               | \$30.00             |
| B              | CIP.1669003 | Rehabilitation of PRASA Main Building (Sede)                                                            | 2024-Q1           | 2025-Q1               | \$23.13             |
| WTP            | CIP.1715016 | Sergio Cuevas WTP & Cupey PS Microgrid Trujillo Alto, PR (FEMA-406)                                     | 2024-Q2           | 2025-Q2               | \$51.87             |
| D&T-WL         | CIP.2071001 | Improvements to La Pica, El Peje, and Sabana Hoyos Water Distribution System, Municipality of Vega Alta | 2025-Q3           | 2026-Q2               | \$4.52              |
| WWTP           | CIP.2095016 | Barceloneta Regional WWTP Microgrid Barceloneta,PR (FEMA-406)                                           | 2024-Q2           | 2024-Q4               | \$58.15             |
| WTP            | CIP.2386048 | Elimination of Jayuya La Pica WTP and RWI                                                               | 2026-Q4           | 2027-Q3               | \$6.67              |
| WTP            | CIP.2425017 | Rehabilitación Raw Water Intake Lares Espino WTP Lares, PR (FEMA-406)                                   | 2024-Q2           | 2025-Q1               | \$6.45              |
| WWTP           | CIP.2545006 | Rehabilitation of Naranjito WWTP                                                                        | 2027-Q2           | 2028-Q1               | \$10.25             |
| WTP            | CIP.2555016 | Raw Water Intake Sana Muertos Orocovis, PR (FEMA-406)                                                   | 2024-Q2           | 2025-Q3               | \$6.79              |
| WTP            | CIP.2595016 | Quebradillas WTP Microgrid Quebradillas, PR (FEMA-406)                                                  | 2024-Q2           | 2025-Q1               | \$8.78              |
| WWTP           | CIP.3056002 | Rehabilitation of Aibonito WWTP (FAAST)                                                                 | 2026-Q4           | 2027-Q3               | \$12.00             |
| WWTP           | CIP.3105032 | Rehabilitation of Barranquitas WWTP (FAAST)                                                             | 2027-Q1           | 2028-Q1               | \$9.42              |
| WTP            | CIP.3106104 | Rehabilitation of Barranquitas WTP and RWI                                                              | 2025-Q1           | 2026-Q1               | \$7.34              |
| B              | CIP.3135017 | PRASA Central Laboratory, Caguas-Microgrid Caguas, PR (FEMA-406)                                        | 2024-Q2           | 2025-Q3               | \$17.95             |
| WTP            | CIP.3135018 | Caguas Norte WTP Microgrid Caguas, PR (FEMA-406)                                                        | 2024-Q2           | 2025-Q2               | \$20.38             |
| WWTP           | CIP.3135019 | Caguas WWTP Microgrid Caguas, PR (FEMA-406)                                                             | 2024-Q2           | 2025-Q1               | \$58.15             |
| WTP            | CIP.3136013 | Rehabilitation of Caguas Sur WTP                                                                        | 2025-Q4           | 2026-Q4               | \$9.42              |
| WWTP           | CIP.3185033 | Rehabilitation of Cayey WWTP (FAAST-25)                                                                 | 2026-Q1           | 2027-Q2               | \$21.96             |
| WTP            | CIP.3186002 | Rehabilitation of Cayey Urbana WTP                                                                      | 2025-Q1           | 2026-Q1               | \$11.28             |



| Asset Category | Project #   | Description                                                                   | A&E Start Quarter | SOW Submittal Quarter | Total Cost Estimate |
|----------------|-------------|-------------------------------------------------------------------------------|-------------------|-----------------------|---------------------|
| WWTP           | CIP.3195016 | Cayey Regional WWTP Microgrid Cayey, PR (FEMA-406)                            | 2024-Q2           | 2025-Q1               | \$24.10             |
| WTP            | CIP.3239005 | Rehabilitation of Comerío WTP (FAAST)                                         | 2024-Q1           | 2025-Q2               | \$10.22             |
| WWTP           | CIP.3275017 | Fajardo Regional WWTP Microgrid Fajardo,PR (FEMA-406)                         | 2024-Q2           | 2025-Q1               | \$32.93             |
| WTP            | CIP.3275019 | Fajardo WTP & Dam Microgrid Fajardo, PR (FEMA-406)                            | 2024-Q2           | 2025-Q1               | \$32.93             |
| WTP            | CIP.3276053 | Rehabilitation of Fajardo WTP                                                 | 2024-Q3           | 2025-Q2               | \$11.51             |
| WWPS           | CIP.3365085 | Elimination of WWPS Buxo, Humacao PR (Proposed 406)                           | 2025-Q2           | 2026-Q1               | \$1.04              |
| WWTP           | CIP.3366001 | Rehabilitation of Humacao WWTP                                                | 2024-Q3           | 2025-Q2               | \$25.20             |
| WTP            | CIP.3466005 | Rehabilitation of Luquillo-Sabana WTP                                         | 2027-Q1           | 2027-Q4               | \$11.28             |
| WTP            | CIP.3535016 | Río Blanco WTP Microgrid Naguabo, PR (FEMA-406)                               | 2024-Q2           | 2025-Q1               | \$51.81             |
| WTP            | CIP.3615017 | El Yunque WTP Microgrid Río Grande, PR (FEMA-406)                             | 2024-Q2           | 2025-Q1               | \$32.93             |
| WWTP           | CIP.3755016 | Vieques WWTP Microgrid Vieques, PR (FEMA-406)                                 | 2024-Q1           | 2025-Q1               | \$11.30             |
| R              | CIP.4009000 | Bauta Tunnel (FEMA 404/CDBG-MIT)                                              | 2024-Q2           | 2026-Q2               | \$245.41            |
| WTP            | CIP.4016008 | Rehabilitation of Adjuntas Olimpia WTP                                        | 2025-Q4           | 2026-Q4               | \$8.74              |
| WTP            | CIP.4016012 | Rehabilitation of Adjuntas Guilarte WTP                                       | 2024-Q1           | 2025-Q3               | \$6.73              |
| WWTP           | CIP.4305016 | Guayama Regional WWTP Microgrid Guayama, PR (FEMA-406)                        | 2024-Q2           | 2025-Q1               | \$32.93             |
| WWPS           | CIP.4495016 | Maunabo WWPS & Guardarraya WWPS Microgrid Maunabo, PR (FEMA-406)              | 2024-Q2           | 2025-Q1               | \$6.06              |
| WWTP           | CIP.4585018 | Ponce Regional WWTP Microgrid Ponce, PR (FEMA-406)                            | 2024-Q2           | 2025-Q1               | \$26.63             |
| WWTP           | CIP.4585096 | Rehabilitation of Ponce WWTP (FAAST-25)                                       | 2025-Q2           | 2027-Q3               | \$22.80             |
| WWTP           | CIP.4685016 | Santa Isabel WWTP Microgrid Santa Isabel, PR (FEMA-406)                       | 2024-Q1           | 2025-Q1               | \$20.32             |
| WTP            | CIP.5035016 | Río Culebrinas Raw Water Intake/Dam Microgrid Aguadilla, PR (FEMA-406)        | 2024-Q2           | 2025-Q2               | \$58.21             |
| WPS            | CIP.5035017 | Calero Reservoir Dam (Calero Raw Water PS) Microgrid Aguadilla, PR (FEMA-406) | 2024-Q2           | 2025-Q2               | \$32.96             |
| WPS            | CIP.5065016 | Río Añasco Raw Water Pump Station Microgrid Añasco, PR (FEMA-406)             | 2024-Q2           | 2025-Q2               | \$51.87             |
| R              | CIP.5066000 | Casey Reservoir (Proposed 406)                                                | 2024-Q3           | 2027-Q3               | \$2.00              |
| D&T-WL         | CIP.5067002 | Improvements to Water System Community Del Hoyo de los Feos, Añasco (FAAST)   | 2027-Q1           | 2027-Q4               | \$0.84              |
| WWTP           | CIP.5089000 | Rehabilitation of Las Marías WWTP (FAAST-25)                                  | 2024-Q2           | 2025-Q2               | \$3.95              |
| WTP            | CIP.5375018 | Isabela Urbana WTP Microgrid Isabela, PR (FEMA-406)                           | 2024-Q2           | 2025-Q2               | \$20.32             |



| Asset Category | Project #   | Description                                                                        | A&E Start Quarter | SOW Submittal Quarter | Total Cost Estimate |
|----------------|-------------|------------------------------------------------------------------------------------|-------------------|-----------------------|---------------------|
| WTP            | CIP.5376006 | Rehabilitation of Isabela Urbana WTP and RWI                                       | 2027-Q2           | 2028-Q1               | \$7.75              |
| WTP            | CIP.5485005 | Rehabilitation of Orama Maricao RWI (Proposed 406)                                 | 2024-Q1           | 2024-Q4               | \$7.45              |
| WTP            | CIP.5485016 | Monte del Estado WTP Microgrid Maricao, PR (FEMA-406)                              | 2024-Q1           | 2025-Q1               | \$1.89              |
| WWTP           | CIP.5505016 | Mayaguez WWTP & Mayaguez Sludge Compos Fmpos Facility Microgrid Mayaguez, PR(FEMA) | 2024-Q1           | 2025-Q1               | \$45.54             |
| WTP            | CIP.5505017 | Ponce de León WTP Microgrid Mayaguez, PR (FEMA-406)                                | 2024-Q2           | 2025-Q1               | \$3.35              |
| WTP            | CIP.5636006 | Rehabilitation of Sabana Grande WTP and RWI                                        | 2027-Q1           | 2027-Q4               | \$6.17              |
| WTP            | CIP.5656001 | Rehabilitation of Caín Alto San Germán WTP and RWI                                 | 2027-Q3           | 2028-Q4               | \$6.18              |
| WTP            | CIP.5686045 | Rehabilitation of San Sebastian WTP and RWI                                        | 2026-Q1           | 2027-Q1               | \$8.64              |
| WM             | CIP.6000050 | Rehabilitation of Remote Reading Meter Warehouse (FAAST)                           | 2024-Q3           | 2024-Q4               | \$4.14              |
| B              | CIP.6005000 | Stand-By Power Generators                                                          | 2024-Q3           | 2024-Q4               | \$32.90             |
| WM             | CIP.6009102 | Water Meters Islandwide LS Project (FAAST)                                         | 2025-Q2           | 2025-Q2               | \$790.45            |



## 1.6 Long-Term Projects Profile (2028 and beyond)

The long-term priority category comprises 29 projects that are expected to begin 30% A & E design in years 2028 and beyond.

The cumulative investment on the projects expected to begin A & E within this time horizon is **\$133.4 Million**.

Figure 1-6 illustrates the breakdown of cumulative investment by asset category for projects commencing during this period.

**Figure 1-6: Total Estimated Cost by Asset Category for Long-Term Projects(\$M)**

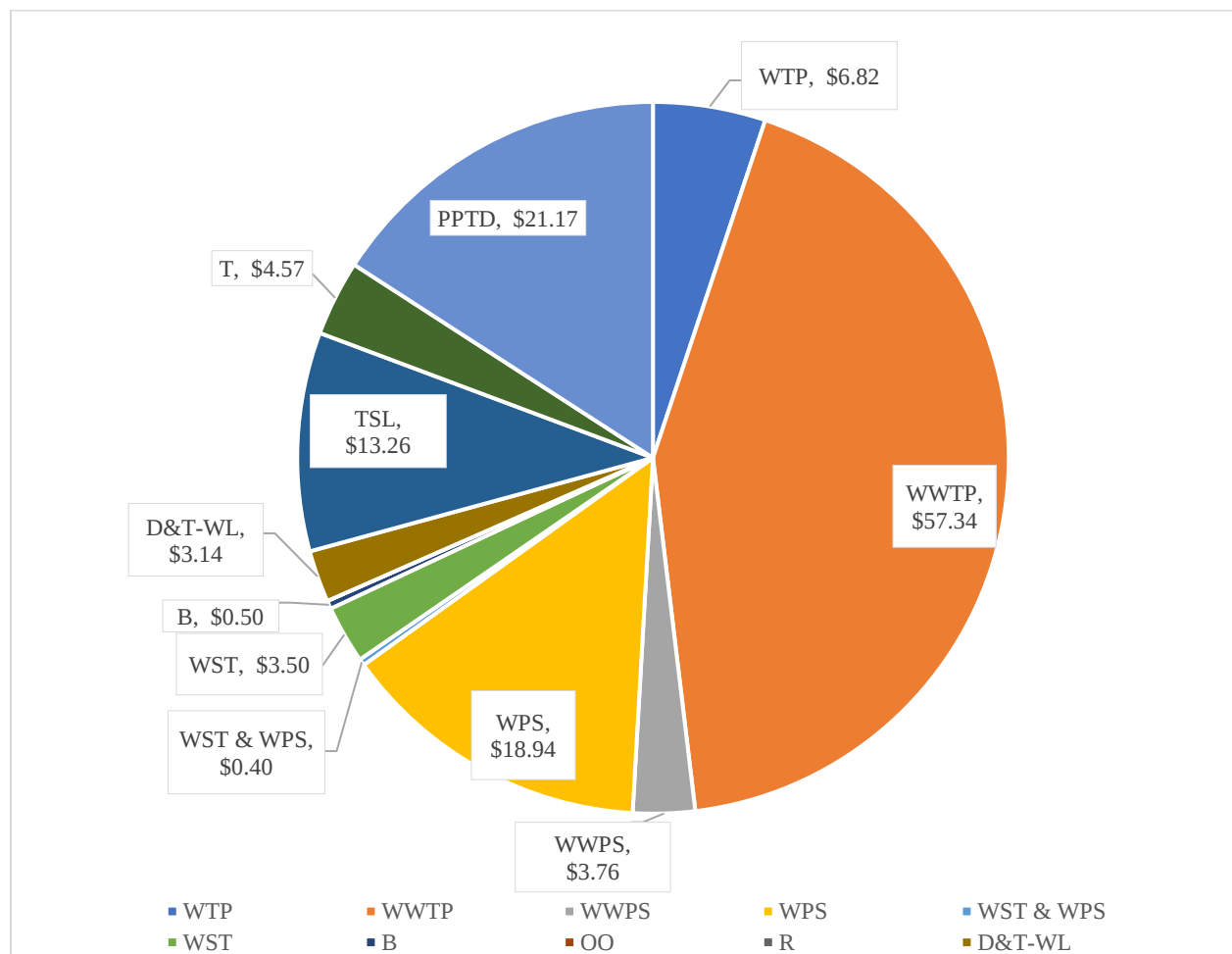


Table 1-7 provides a representative sample of notable projects slated to commence during this period.

**Table 1 7: Long-Term (2028 and beyond) Notable Projects**

| Asset Category | Project #   | Description                                                                              | A&E Start Quarter | SOW Submittal Quarter | Total Cost Estimate |
|----------------|-------------|------------------------------------------------------------------------------------------|-------------------|-----------------------|---------------------|
| WWPS           | CIP.1009104 | Rehabilitation of Wastewater Pump Stations Tanks Phase 1- Metro Region                   | 2028-Q2           | 2029-Q4               | \$2.79              |
| D              | CIP.1666090 | Improvements to La Plata Dam- Installation of Anchors                                    | 2028-Q2           | 2029-Q4               | \$4.03              |
| WPS            | CIP.1669002 | Rehabilitation of WPS of Puerto Nuevo and WL of 48", Municipality of San Juan (Inactive) | 2043-Q2           | 2044-Q2               | \$0.45              |
| TSL            | CIP.1705002 | Rehabilitation of Bo. Sabana Seca TS, Toa Baja                                           | 2028-Q2           | 2028-Q3               | \$11.16             |
| TSL            | CIP.1705003 | Rehabilitation of Urb. Levittown TS, Toa Baja (FAASt)                                    | 2028-Q2           | 2028-Q2               | \$0.67              |
| WTP            | CIP.2076041 | Rehabilitation of Arecibo Urbano WTP                                                     | 2032-Q1           | 2033-Q2               | \$0.15              |
| WST & WPS      | CIP.2076044 | MCC installation at EBTk Half a Million (FAASt).                                         | 2028-Q2           | 2028-Q3               | \$0.40              |
| WWTP           | CIP.2269002 | Elimination of Several WWTP North Region (FAASt 406)                                     | 2028-Q2           | 2030-Q1               | \$1,001.09          |
| WST            | CIP.3009101 | Rehabilitación de Tanques Fase 2 - Este (FAASt) (Inactivo)                               | 2028-Q2           | 2028-Q2               | \$1.61              |
| WWPS           | CIP.3009204 | Rehabilitation EBAS Phase 2 - East (FAASt) Inactive                                      | 2045-Q1           | 2046-Q1               | \$0.01              |
| WWTP           | CIP.3135010 | Caguas-Elimination of PAS Borinquen, Laterales Villa Sauri y 5 EBAS (Villa Caliz)        | 2028-Q3           | 2029-Q1               | \$18.11             |
| D&T-WL         | CIP.3136009 | Improvements to the Water Supply System in Villa del Rey Ward in Caguas (FAASt).         | 2028-Q2           | 2028-Q3               | \$0.50              |
| WWTP           | CIP.3136014 | Elimination of PAS Parcelas Borinquen Caguas , PR (FEMA-406) (PL-36)                     | 2032-Q1           | 2033-Q1               | \$6.09              |
| WPS            | CIP.3449002 | Rehabilitation of WPS Represa La Sabana Cuesta Los Jobos                                 | 2028-Q2           | 2029-Q1               | \$10.53             |
| WPS            | CIP.3789001 | Rehabilitation of WPS Represa Central Roig                                               | 2028-Q2           | 2029-Q1               | \$7.34              |
| WST            | CIP.4009101 | Rehabilitation of Tanks Phase 2-South Region                                             | 2028-Q2           | 2028-Q4               | \$1.89              |
| WWPS           | CIP.4009204 | Rehabilitation of Wastewater Pump Stations Tanks Phase 2- South Region                   | 2045-Q1           | 2045-Q2               | \$0.02              |
| WPS            | CIP.4317001 | Construction Sector Ballinó Guayanilla WPS (FAASt)                                       | 2028-Q2           | 2028-Q3               | \$0.63              |
| WWTP           | CIP.4555022 | Rehabilitation of Orocovis WWTP (FAASt-25)                                               | 2028-Q1           | 2029-Q3               | \$13.71             |
| TSL            | CIP.4576008 | Rehabilitation of Wastewater Lines Urb. Alturas de Peñuelas                              | 2028-Q2           | 2028-Q3               | \$1.43              |



| Asset Category | Project #   | Description                                                      | A&E Start Quarter | SOW Submittal Quarter | Total Cost Estimate |
|----------------|-------------|------------------------------------------------------------------|-------------------|-----------------------|---------------------|
| WWTP           | CIP.4795022 | Rehabilitation of Yauco WWTP (FAAST)                             | 2032-Q2           | 2033-Q1               | \$12.77             |
| WTP            | CIP.4796005 | Rehabilitation Yauco Rancheras WTP                               | 2028-Q2           | 2029-Q2               | \$6.67              |
| D&T-WL         | CIP.5506042 | Improvements to the Water Supply System in Mayaguez Mall (FAAST) | 2028-Q2           | 2029-Q1               | \$1.74              |
| D&T-WL         | CIP.5685001 | EBAS Improvements Chinito Rondón (Energize the EBAS) (FAAST) .   | 2028-Q2           | 2029-Q1               | \$0.90              |
| WWTP           | CIP.5685004 | Rehabilitation of San Sebastián WWTP (FAAST-25)                  | 2028-Q2           | 2029-Q2               | \$12.75             |
| B              | CIP.6009007 | Rehabilitation to PRASA Buildings Islandwide LS Project          | 2028-Q1           | 2028-Q4               | \$0.50              |
| PPTD           | CIP.6009008 | Projects Pending to Defined LS Project (FAAST)                   | 2028-Q1           | 2028-Q4               | \$21.17             |
| T              | CIP.6009012 | Telemetry Islandwide LS Project (FAAST)                          | 2028-Q1           | 2028-Q4               | \$4.57              |
| WWPS           | CIP.7688000 | Elimination of Los Alamos WWPS San Sebastian                     | 2028-Q2           | 2029-Q1               | \$0.93              |



## **1.7 Program Management**

PRASA has implemented project management standards and controls in accord with leading practices. In 2020 PRASA issued an RFQ/RFP to secure engineering firms to serve as the Project Management Consortiums for efficient and timely execution of the CIP, including the projects under this plan. Currently, PRASA has onboarded all the Consortiums.

PRASA's Infrastructure Office, with the assistance of the Consortiums, will implement leading practices following these components: solid centralized governance of the group of projects; a standard, rigorous process from project initiation to closeout for all projects in the plan; a centralized system to provide a single source of truth for all projects (with particular focus on scope, schedule, and budget); and standardized project controls across PRASA.



## Chapter 2 Introduction

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The purpose of this document is to describe further the PRASA investment plan for the next ten years using the **\$4.2 Billion** funding obligated by FEMA under the Stafford Act, Section 428 Public Assistance (428) program, and BBA. The plan starts in 2021 and is projected to end in 2030.

This plan is being submitted to COR3 and FEMA to satisfy the requirement to present a plan within 90 days of the single fixed-cost grant obligation. This plan is considered a “living document.” It requires updates and resubmissions to COR3 and FEMA every 90 days after the initial submission. Consequently, we have discussed with FEMA and COR3 during plan development to gain the best possible understanding of their requirements for this plan and to meet those requirements.

PRASA's FAASSt Workplan is not subject to approval by COR3 or FEMA, nor does it secure the release of any obligated 428 funds. Instead, the plan serves as a working document to provide context for and support collaboration among PRASA, COR3, and FEMA in the process of developing and submitting individual projects for review, approval, and funds disbursement. Submission of this plan is an essential first step, followed by PRASA submitting individual project funding requests and beginning 30% design for 2021 projects. Now that the initial version of this plan has been completed and submitted, PRASA will begin requesting funding as soon as practicable.

This plan will include project funding from the FEMA 428 and 404 mitigation programs and HUD Community Development Block Grant Disaster Recovery (CDBG-DR) program.

This document will provide the requirements under their 428 work plan to COR3 and FEMA, such as:

- An overview of PRASA's infrastructure investment strategy to provide context for the selection of projects in the plan.
- A prioritized list of the infrastructure projects that contain the plan with brief descriptions and class 5 cost estimates.



- A section that shows the estimated timing of crucial project milestones by quarter for 2021-2023 and by year for 2024-2030.
- An overview of PRASA's instrumental management of infrastructure controls.

The projects identified in this plan and their associated schedule provide a framework for sketching the work and an expected sequence for its execution. However, ten years is a long-term planning horizon, and adjustments to this FAASSt Workplan are expected as long as justified with results from studies, natural events, implementation or scheduling restrictions, or other influences.

This plan is based on the most current information available to PRASA and will be updated quarterly. With this submittal, PRASA intends to execute a set of defined, effective, multi-faceted projects to improve water and wastewater infrastructure in Puerto Rico.



## Chapter 3 PRASA’s Infrastructure Investment Strategy

### 3.1 Context

The 2017 hurricane season caused unparalleled devastation in Puerto Rico. As a result, PRASA suffered damages to water treatment facilities and other structures across the Island. After facing the damages of the 2017 events, PRASA needs to continue working to permanently repair their infrastructure with the ongoing challenges of droughts, hurricanes, earthquakes, and COVID-19 pandemic. PRASA has one of the most complex systems when is compared to other U.S. jurisdictions. PRASA serves more than one million customers, which is an added challenge to any decisions regarding infrastructure design and development to provide or deliver resilient and less vulnerable water and wastewater system for Puerto Rico.

Indeed, resiliency for water projects comes with the challenge of how to measure their performance. Resiliency is a topic discussed for quite some time in the water industry, but there is no official consensus measuring resiliency. Meanwhile, PRASA is committed to continuing with the recovery efforts and ensuring that future infrastructure developments consider resiliency for the significant challenges that the Island faces.

After the events of 2017, several steps set the path to transforming Puerto Rico’s water system. Some of these steps include the development of PRASA’s Strategic Plan 2020-2025 and PRASA’s Certified Fiscal Plan(s).

These steps provide the foundation for this plan. Table 3-1 illustrates the six (6) foundational components of PRASA’s FAASt Workplan.

**Table 3-1 Foundational Components of FAASt Workplan**

| Components                 | Description                                                                                                                                                                                                                                                      |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PRASA’s Vision and Mission | Since its creation in 1945, PRASA is committed to providing excellence in all aspects of the operations, including drinking water production and distribution, wastewater collection and treatment, as well as system maintenance and customer satisfaction. The |



| Components                                      | Description                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                 | goal of providing quality and reliable services has not diminished over time and will continue for years to come. As stated on its mission statement, PRASA has the mindset “to provide high-quality, safe, reliable, and affordable water and wastewater services to the people of Puerto Rico, protecting their health and the environment.” |
| <b>America Water Infrastructure Act of 2018</b> | Establishes parameters to improve drinking water and water quality, infrastructure investments, enhance public health and quality of life, increase jobs, and bolster the economy, including assessing the PRASA's system vulnerability to several threats, including climate change and natural disasters.                                    |
| <b>Codes and Industry Standards</b>             | Rehabilitate, improve, and restore the water system following Codes and Industry Standards, including the applicable PRASA design standards, contained in the <i>Reglamento de Normas de Diseño de la AAA</i> .                                                                                                                                |
| <b>PRASA's Strategic Plan 2021-2025</b>         | Provides a roadmap to meet expected water demand over a planning horizon through the future development with specific plans to improve the reliability of the water & water waste system, beginning with the core values responsible for supporting the mission and vision as well as shaping the organization's culture.                      |
| <b>PRASA Certified Fiscal Plan(s)</b>           | Lays out the path for operational and financial sustainability of PRASA in order to enable the transformation of Puerto Rico's water and wastewater system.                                                                                                                                                                                    |
| <b>FEMA's Damages Assessment Reports</b>        | Provides a description of the damages, related causes, location, and dimensions of the equipment and facilities damaged during the 2017 hurricanes and other catastrophic events.                                                                                                                                                              |
|                                                 |                                                                                                                                                                                                                                                                                                                                                |

## 3.2 Overview of Investment Strategy

PRASA leveraged the foundational components outlined in Table 3.1 and performed additional analysis to guide the project's selection in this FAASt Workplan.



To align and guide our work, we designated five (5) investment focus areas that summarize the intent of what our projects will collectively achieve. The investment focus areas are as follows in Table 3-2.

**Table 3-2: Investment Focus Areas**

| Focus Area                                          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Public Health &amp; Environmental Protection</b> | <p>Ensure to provide a high-quality water service while promoting water conservation and protecting the environment and health of Puerto Rico, following:</p> <ul style="list-style-type: none"> <li>• Safe Drinking Water Act (SDWA)</li> <li>• Environmental Protection Agency (USEPA) requirements</li> <li>• Puerto Rico Department of Health (PRDH)</li> <li>• Clean Water Act (CWA)</li> </ul>                                                                                                         |
| <b>Codes and Industry Standards</b>                 | <p>Ensure compliance with applicable laws and regulations and alignment with consensus-based codes and standards. Examples include:</p> <ul style="list-style-type: none"> <li>• American Water Works Association (AWWA)</li> <li>• National Fire Protection Association (NFPA)</li> <li>• American Society of Testing and Materials (ASTM)</li> <li>• National Standards Foundation (NSF)</li> <li>• International Code Council (ICC)</li> <li>• <i>Reglamento de Normas de Diseño de la AAA</i></li> </ul> |
| <b>Reliability and System Resiliency</b>            | <p>Ensure the required investment in necessary technology and infrastructure to restore the system, enhance resiliency, and establish an efficient and safe water system that provides reliability for customers.</p>                                                                                                                                                                                                                                                                                        |
| <b>Hazard Mitigation</b>                            | <p>Ensure to provide long-term solutions that reduce the PRASA's infrastructure impact of future events and minimize disaster losses and the water system vulnerability.</p>                                                                                                                                                                                                                                                                                                                                 |



| Focus Area                          | Description                                                                                                                                                                        |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Modernization<br>and<br>Maintenance | Modernize and maintain PRASA's infrastructure to optimize its operational efficiency, protect public health, safeguard the environment and promote continued economic development. |



## Chapter 4 PRASA's Prioritized Infrastructure Projects

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### 4.1 Overview

This section of PRASA's FAASt Workplan categorizes each project in the plan as to priority. The three priority categories are near-term (2021-23 start), mid-term (2024-27 start), and long-term (2028 or later start).

We established several criteria and considerations to assign projects to categories. Project start, for this prioritization, was defined as when 30% of design work should begin. A & E work is PRASA's first standard milestone for projects in its infrastructure plan.

In this section, each priority category has a description of the type of infrastructure projects contained within it, a summary overview of the number and estimated costs of projects in the priority category broken down by asset type, and an overview of the estimated timing for submission of projects to COR3 and FEMA. Following these overviews are a series of tables containing the name, brief description, estimated COR3 and FEMA submission timing, and class 5 cost estimate for each project in the priority category.

Under direction from COR3 and FEMA, PRASA will update this plan every 90 days after the initial submission and will update project details and prioritization based on coordination with COR3 and FEMA, its internal findings, and feedback from other stakeholders.

### 4.2 Asset Category Descriptions

Table 4-1 outlines each asset category contained in this plan and characterizes the types of projects found within each category:



**Table 4-1: List of Assets Descriptions**

| Asset Category | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WTP</b>     | <p>114 WTP, with capacity ranges from 0.14 to 100 million gallons per day (MGD) with a median and average treatment capacity of 1.2 and 5.1 MGD. After Hurricane María one (1) WTP was closed. The WTP are classified by the type of treatment, with 1% using direct filtration, 92% dual filtration, and 7% membranes. These WTP and the RWI suffered widespread damages caused by flooding, wind, flood transported debris, wind-driven rain, wind-driven debris, falling trees, sediment accumulation, power interruption, and other damages caused by the hurricane. The damaged process components and equipment are necessary for these WTP's operation so the treated water may be distributed as potable water. Damaged process equipment includes (but is not limited to) pumps, screens, clarifiers, package plants, media filters, membrane systems, chlorination systems, UV disinfection, sludge thickeners, sludge filters, and sludge drying beds. Additionally, support (ancillary) items required to operate the WTP were damaged, including (but not limited to) instrumentation, telemetry, process control (SCADA), power (and backup power), piping, channels, valves, buildings, covers, roofs. Sitewide items that are part of the WTP but not associated with the process components or necessary to treat the water also suffered widespread damages. Damaged non-process items include (but are not limited to) fencing, lighting (interior and exterior), paint, HVAC system, furnishings, materials, various non-process equipment (e.g., for landscaping and housekeeping), and buildings not used for the protection of process equipment.</p> |
| <b>WWTP</b>    | <p>51 facilities, with capacity ranges from 0.09 to 144 million gallons per day (MGD) with a median and average treatment capacity of 1.3 and 10.6 MGD. They are classified by the degree of treatment (primary, secondary, or tertiary) and the specific type of biological treatment used. For all 51 WWTP, 12% carry out only primary treatment, 70.5% carry out secondary treatment, and</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



| Asset Category | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | <p>17.5% tertiary treatment. For the 51 WWTP, 12% do not carry out biological treatment (primary treatment only), 59% use activated sludge, 14% use trickling filters, and 14% use biological nutrient removal. One WWTP uses rotating biological discs for biological treatment. These WWTPs suffered widespread damages caused by flooding, wind, flood transported debris, wind-driven rain, wind-driven debris, falling trees, sediment accumulation, power interruption, and other damages caused by the hurricane. The damaged process components and equipment are necessary for these WWTPs, so the treated wastewater may be discharged to surface waters. Damaged process equipment includes (but is not limited to) pumps, influent structures, screens, grit removal, primary clarifiers, activated sludge systems, oxidation ditches, package plants, trickling filters, secondary clarifiers, coarse media filters, chlorination/dichlorination systems, UV disinfection, sludge thickeners, anaerobic and aerobic digesters, sludge filters, and sludge drying beds. Additionally, support (ancillary) items required to operate the WWTP were damaged, including (but not limited to) instrumentation, telemetry, process control (SCADA), power (and backup power), piping, channels, valves, buildings, covers, and roofs. Sitewide items that are part of the WWTP but not associated with the process components or necessary to treat the wastewater also suffered widespread damages. Damaged non-process items include (but are not limited to) fencing, lighting, paint, HVAC system, furnishings, materials, various non-process equipment (e.g., for landscaping and housekeeping), and buildings not used for the protection of process equipment.</p> |
| WWPS           | <p>799 WWPS, also called wastewater lift stations, are used to deliver wastewater collected in the trunk sewers from a lower to a higher elevation through a force main. The force main allows the wastewater to flow by gravity</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



| Asset Category | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | <p>to the WWTP or another WWPS. The wastewater is usually stored in and pumped from an underground storage pit called a wet well. These WWPS suffered widespread damages caused by flooding, wind, flood transported debris, wind-driven rain, wind-driven debris, falling trees, sediment accumulation, power interruption, and other damages caused by the hurricane. The damaged components and equipment are necessary for the operation of these WWPS that deliver wastewater to the WWTP. Damaged process equipment includes (but is not limited to) pumps, instrumentation, telemetry, process control, power (and backup power), piping, valves, buildings, covers, and roofs. Items that are part of the WWPSs but not associated with the process components or necessary to deliver the wastewater also suffered widespread damages include (but are not limited to) fencing, lighting, paint, HVAC system, various non-process equipment (e.g., for landscaping and housekeeping), and buildings not used specifically for the protection of process equipment.</p> |
| <b>WPS</b>     | <p>468 WPS, used to deliver water to WST, WTP, and the drinking water distribution system. WPS is required when there is insufficient pressure to deliver the water by gravity alone. WPS can deliver raw untreated water to a WTP or treated potable water to the distribution system, including WST. These WPS suffered widespread damages caused by flooding, wind, flood transported debris, wind-driven rain, wind-driven debris, falling trees, sediment accumulation, power interruption, and other damages caused by the hurricane. The damaged components and equipment are necessary for the operation of these WPS used to deliver water. Damaged equipment includes (but is not limited to) pumps, motors, valves, piping, instrumentation, telemetry, process control, and power. Items that are part of the WPS facilities but not directly associated with the process components or necessary to deliver</p>                                                                                                                                                    |



| Asset Category       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | the water also suffered widespread damages including, (but not limited to) fencing, lighting, paint, HVAC system, various non-process equipment (e.g., for landscaping and housekeeping), and parts of the building not used specifically for the protection of process equipment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>WST &amp; WPS</b> | 808 WST & WPS, used when both the water storage tank and the water pumping station are located together in a single site. These contain pumps and motors, valves, piping (both buried and above ground), instrumentation, telemetry, controls, power, and a protective building or enclosure. The water storage tank also requires a check valve to keeps water from flowing back into the treatment plant and overflow piping to protect the storage tank from being overfilled. These WST & WPS suffered widespread damages caused by flooding, wind, flood transported debris, wind-driven rain, wind-driven debris, falling trees, sediment accumulation, power interruption, and other damages caused by the hurricane. The damaged components and equipment are necessary for the operation of the WST & WPS that store and deliver treated potable water. Damaged equipment includes (but is not limited to) pumps, motors, valves, check-valves, piping, instrumentation, telemetry, process control, power, tank roofing membrane, roof tank access hatches, roof access ladders, and safety cages. Items that are part of the WST & WPS facilities but not directly associated with the process components or necessary to store and deliver the water also suffered widespread damages including, (but not limited to) fencing, lighting (interior and exterior), paint, HVAC system, various non-process equipment (e.g., for landscaping and housekeeping), and buildings or parts of the building not used for the protection of process equipment. |
| <b>WST</b>           | 997 WST is used to store treated potable water to use on-demand. The storage also provides extra capacity in case of a failure of the water treatment plant. The WST is usually elevated above the drinking water distribution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



| Asset Category                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                | <p>system to provide sufficient pressure for distribution. The WST also requires a check valve to keep water from flowing back into the source and overflow piping to protect the WST from being overfilled. These WST suffered widespread damages caused by flooding, wind, flood transported debris, wind-driven rain, wind-driven debris, falling trees, sediment accumulation, power interruption, and other damages caused by the hurricane. The damaged components and equipment are necessary for the operation of these WSTs used to store raw water. Damaged equipment includes (but is not limited to) check-valves, piping, instrumentation, telemetry, process control, power (and backup power), tank roofing membrane, roof tank access hatches, roof access ladders, and safety cages. Items that are part of the WST facilities but not directly associated with the process components or necessary to deliver the water also suffered widespread damages including, (but not limited to) fencing, lighting, paint, HVAC system, various non-process equipment (e.g., for landscaping and housekeeping), and buildings not used specifically for the protection of process equipment.</p> |
| <b>Ocean Outfalls<br/>(OO)</b> | <p>PRASA owns and operates twelve (12) Ocean Outfall Diffuser Systems. The up-stream treatment plants discharge treated effluent through a piping system terminating in a high-rate diffuser (herein system). The systems typically extend from ¼ mile to ¾ miles offshore and terminate with rate diffusers. The piping system is buried and has a rock protection layer. The diffusers vary from a straight line to a branched configuration (Tor V) with risers and ported outlets that are exposed. Ported outlets disperse the effluent at an average depth between 75 to 150 feet below low water sea level. Wave action and underwater currents developed from Hurricane-force winds (María) caused erosion and displacement of the facility (s).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                               |



| Asset Category        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dams (D)</b>       | <p>PRASA operates and maintains eight (8) major Dams throughout Puerto Rico. La Plata in the North Region, Carraízo and Las Curías in the Metro Region, Toa Vaca in the South Region, Cidra, Rio Blanco and Fajardo in the East Region and <i>Lago Regulador de Isabela</i> in the West Region. La Plata and Carraízo are concrete dams with gated controlled spillways. Cidra is a concrete dam with an ungated overflow-type spillway. Toa Vaca is an earth/rock embankment dam with a gated controlled spillway. Las Curías, Rio Blanco and Fajardo are earth/rock embankment dams with ungated overflow-type spillway. For these facilities, the water source is a tributary. In the case of La Plata, Carraízo, Las Curías, Toa Vaca, and Cidra, rivers flow directly into the reservoirs. In the case of Rio Blanco and Fajardo there is an Intake Structure at the rivers that collects and supplies raw water to the reservoirs through a pipe. The primary purpose of all these reservoirs, formed by dams, is storing, and collecting raw water for its supply to Water Treatment Plants (except for Las Curías). Some of the damages on the Island Wide Dams were as follow: damages on Actuators, Antennas, Dam Alarms, Cameras, Controls, Doors, A/C Units, Electrical Components, Fencing, Floodgate Components, Floors, Geotextile for Embankment, Intake Components (Slide Gates), Lighting, Motors, Machine Elements, Pavement, Pumps, Reservoir Air Injection System, Riprap Armoring for Embankment, Roofs, Slope Failure (Erosion/Scouring), Valves, Walls, and Windows.</p> |
| <b>Reservoirs (R)</b> | <p>PRASA has eight main reservoirs across Puerto Rico and multiple other surface water storage facilities (lakes and basins). The reservoirs are created by impounding (capturing) surface water runoff with concrete or embankment dams. The current purpose of these facilities is to store water for its raw water supply to water treatment plants, providing potable water to the public. Due to the disaster event, heavy sedimentation impacted these four reservoirs: Toa</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |



| Asset Category       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | <p>Vaca, Cidra, Carraízo, and La Plata. Additionally, one (1) surface water storage facility (lake), <i>Lago Regulador de Isabela</i> has some scour damages due to María Hurricane. As part of PRASA's FAASt Workplan, the target is to remove sediments deposited in the assets and repair the facility lake -<i>Lago Regulador de Isabela</i>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Buildings (B)</b> | <p>PRASA manages 91 building facilities grouped by the function: Commercial, Operational, Laboratory, Administrative, Warehouse, and Maintenance. The facilities suffered widespread damages caused by wind-driven rain, wind-driven debris, flooding, flood transported debris, the impact from fallen trees, ground erosion, and other hurricane-related impacts. Damages include roof cover breakage, delamination, and in some instances, total loss of roofing systems which allowed continuous water infiltration. Hurricane conditions also caused the forceful removal of windows and doors, which further contributed to water infiltration and caused violent internal wind pressure, resulting in further structural damage. Water infiltration, structural failure, and invasive wind caused secondary damage to interior building components, such as lighting, furnishings, finish materials, equipment, heating, ventilation, air conditioning (HVAC) systems, electrical systems, fire alarm systems, suspended ceiling systems, and floor coverings. Sustained power loss, caused by island-wide electrical utilities' total failure, resulted in a lack of humidity control inside the buildings, which allowed mold to grow in gypsum board walls, ductwork, throughout building insulation, and other components. High winds, wind-driven rain, and windblown debris damaged paint, exterior wall fixtures, antennas, and other exterior elements. The extreme conditions also damaged exterior site components such as lighting poles, fences, gates, and the groundwork.</p> |



| Asset Category                                                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Raw Water Wells (RWW)</b>                                  | <p>PRASA owns 269 Raw Water Wells, used to extract groundwater by submersible pumps that deliver the raw water to the surface through a pipe casing. The concrete sealing, which surrounds the metal pipe, and a concrete wellhead at the surface protect the well. The extracted raw water may require treatment before being used as drinking (potable) water. The completion of treatment requires either using on-site disinfection or at a WTP. The raw or disinfected water can be delivered to a Water Storage Tank (WST) or delivered directly to a WTP. If the WTP is at a higher elevation, a Water Pumping Station (WPS) will deliver the raw water to the WTP. These Wells suffered widespread damages caused by flooding, wind, flood transported debris, wind-driven rain, wind-driven debris, falling trees, sediment accumulation, power interruption, and other damages caused by the hurricane. The damaged components and equipment are necessary for these Wells' operations that deliver raw water to the WTP or WST. Damaged process equipment includes (but is not limited to) pumps, instrumentation, chlorinators, telemetry, process control, power (and backup power), piping, valves, buildings, covers, and roofs. Items that are part of the Well facilities but not directly associated with the process components or necessary to deliver the water also suffered widespread damages including, (but not limited to) fencing, lighting, paint, HVAC system, various non-process equipment (e.g., for landscaping and housekeeping), and buildings not used specifically for the protection of process equipment.</p> |
| <b>Transmission and Distribution Water Lines (T&amp;D-WL)</b> | <p>It consists of an estimated 15,148 miles of potable water lines and water distribution lines in diameters ranging from 1" to 84" and in a wide variety of materials. The water transmission lines are pipes, valves, air relief valves, and meters that deliver the raw, untreated water to the WTP. The Water Distribution Lines are a series of pipes, valves, air relief valves, fire hydrants,</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



| Asset Category                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                | and water meters that deliver the treated potable water from the WTP to the consumers. These water lines suffered widespread damages caused by erosion, flooding, flood transported debris, wind-driven rain, wind-driven debris, falling and uprooted trees, sediment accumulation, power interruption, and other damages caused by the hurricane.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Water Meters (WM)</b>       | 872,596 each of the WM are part of the Potable Water Lines Distribution. A water meter or hydrometer is a device that allows for counting the volume of water passing through it. It is often used in water supply conductions of residential and industrial installations to make charges to users. These Water Meters suffered widespread damages to the strainers (filters), metering pistons, and non-return (backflow prevention) valves. The hurricane caused blockage and accumulation of debris and sediment by interruption of service, significant fluctuations in pressure, water hammer, backflow, and other damages. The damaged components and equipment are necessary for these Water Meters to accurately measure the flow of and allow passage of potable water delivered to the consumer.                            |
| <b>Trunk Sewer Lines (TSL)</b> | TSL's consist of an estimated 5,994 miles of sewer pipes in diameters ranging from 4'to 90" and in a wide variety of materials. The sewer system collects sewage and wastewater from households, commercial businesses, and industries and delivers the wastewater to a wastewater treatment plant (WWTP) through a series of pipes. Maintenance holes connect this series of pipes. These concrete sewer pipes suffered widespread damages caused by flooding, wind, flood transported debris, wind-driven rain, wind-driven debris, falling trees, sediment accumulation, power interruption, and other damages caused by the hurricane. The damaged components and equipment are necessary for the sewer system's operation that delivers wastewater to the WWTP. Damaged equipment includes (but is not limited to) pipes (gravity |



| Asset Category                              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                             | and pressure), maintenance holes, risers, covers, siphons, pipe supports, and eroded topsoil and roadways.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Telemetry (T)</b>                        | Telemetry System along with PRASA facilities, WTP, WWTP, WWPS, WPS, WST, WST & WPS, and RWW Islandwide. The telemetry system, usually done by wireless communication, can also be done through other means such as telephone, computer networks, fiber optic link, among others. Ranging from motorsport, aviation, astrology, agriculture, the oil industry, medicine, and even biology, telemetry has various utilities. Telemetry aims to allow the mediation of physical or chemical magnitudes, know the state of processes and systems, and remotely control the operation, correct errors, and send the information collected towards an information system for use and benefit. Telemetry helped identify widespread damages caused by hurricanes along the island. |
| <b>Projects Pending to determine (PPTD)</b> | PRASA is evaluating other projects covered under the FEMA 428-funding obligation to mitigate risks along with several facilities on the system. PRASA will evaluate other projects covered under the FAASf funding obligation. PRASA will use this classification to integrate projects to be defined and/or cover contingencies of already approved projects.                                                                                                                                                                                                                                                                                                                                                                                                              |

### 4.3 Project Prioritization Approach

After identifying projects, PRASA prioritized them in groups based on safety, impact to the community, the relative complexity of the work, and regulatory requirements.

### 4.4 Near-Term Category Overview

The near-term priority category is composed of projects that have either already begun design (A &E) or are expected to do so in 2021-2023.



PRASA intends to pursue a significant proportion of its projects in the near-term for several reasons:

1. It is PRASA's objective to deliver results as quickly as possible.
2. Some projects already have preliminary engineering and are ready to proceed into the 30% design phase.
3. Some projects are substantial in scope and must be initiated in the near-term years.

In the following section, we provide this information on near-term priority projects; Table 4-2 explains this information.

**Table 4-2: Provided Project Information**

| Section                              | Plan Information Provided                                                                                                      |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1. Description of projects           | An overview of the projects in the priority category and the approach used to designate them, organized by asset type          |
| 2. Summary of projects               | Number of projects by asset category and start year, along with total dollars by asset category                                |
| 3. COR3 and FEMA submission timeline | Estimated timeline for SOW submittal to indicate the number of projects for each year and asset category                       |
| 4. List of projects                  | Project name, a brief description, estimated submittal timing, estimated cost, and CIP # for each project included in the plan |

#### **4.4.1 Description of Near-Term Priority Projects**

Near-term projects mainly consist of the rehabilitation of damages to PRASA assets incurred during the 2017 hurricanes. It includes all projects in the application submitted under the FEMA 428 program. PRASA's target is to rehabilitate and improve all these assets following industry standards without regard to pre-disaster conditions and restore components not



damaged by the disaster when necessary to restore the facility function. The projects included in the mid-term priority are as described in Table 4-3 below.

#### 4.4.2 Summary of Near-Term Priority Projects

The following table (Table 4-3) summarizes the near-term projects that PRASA initiated (A & E Phase) and the estimated cost by asset category:

**Table 4-3: Summary of Near-Term Priority Projects (Natural Years and Cumulative Total)**

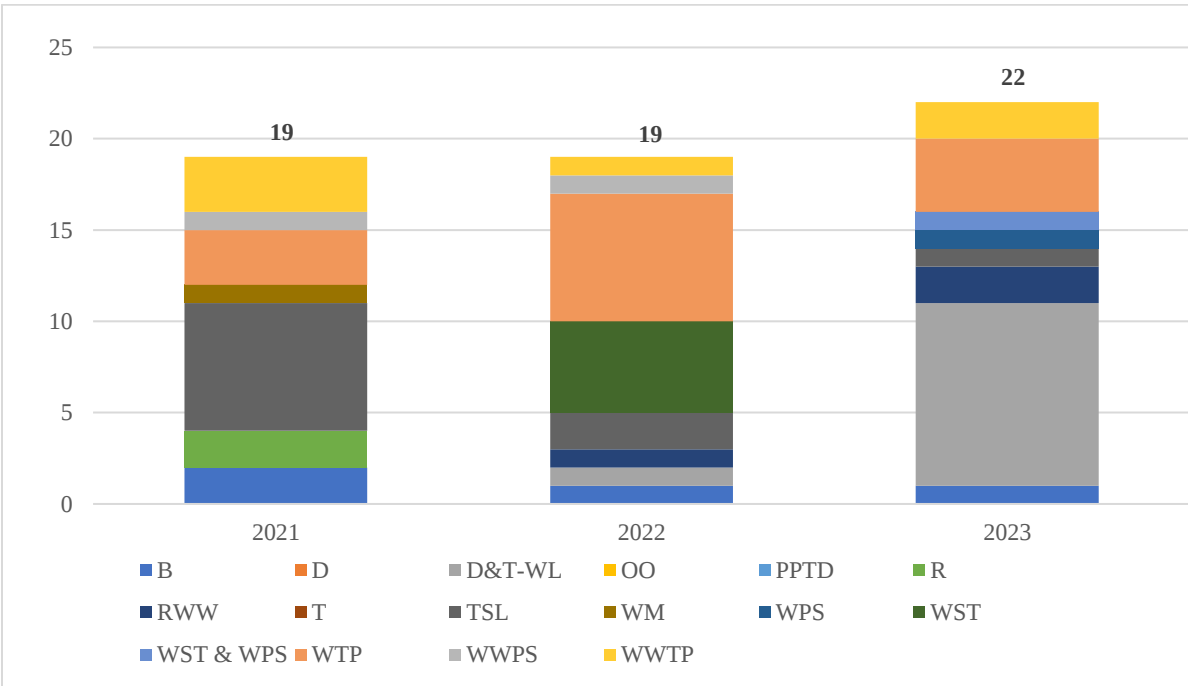
| Asset Category | A & E Start 2021 | A & E Start 2022 | A & E Start 2023 | Total Projects | Total Cost Estimates (Million) |
|----------------|------------------|------------------|------------------|----------------|--------------------------------|
| WTP            | 13               | 28               | 11               | 52             | \$1,526.32                     |
| WWTP           | 7                | 8                | 2                | 17             | \$807.13                       |
| WWPS           | 1                | 2                | 4                | 7              | \$59.17                        |
| WPS            | 0                | 3                | 3                | 6              | \$35.53                        |
| WST & WPS      | 0                | 1                | 0                | 1              | \$8.37                         |
| WST            | 3                | 2                | 0                | 5              | \$21.28                        |
| RWW            | 0                | 5                | 0                | 5              | \$23.13                        |
| B              | 3                | 0                | 1                | 4              | \$51.38                        |
| OO             | 0                | 0                | 1                | 1              | \$26.99                        |
| D              | 1                | 0                | 0                | 1              | \$7.18                         |
| R              | 2                | 1                | 0                | 3              | \$135.71                       |
| D&T-WL         | 1                | 9                | 27               | 37             | \$281.63                       |
| WM             | 1                | 0                | 0                | 1              | \$4.12                         |
| TSL            | 7                | 6                | 1                | 14             | \$333.98                       |
| T              | 0                | 0                | 0                | 0              | \$0.00                         |
| PPTD           | 0                | 0                | 0                | 0              | \$0.00                         |
| <b>Total</b>   | <b>39</b>        | <b>65</b>        | <b>50</b>        | <b>154</b>     | <b>\$3,321.93</b>              |



### 4.4.3 COR3 and FEMA Submissions Timeline

The following chart figure shows the timeline for the individual projects submitted to COR3 and FEMA for review and approval during the near-term period. The quantity does not include the SOW revisions, and/or adjustment according to Bid Process and/or Change Orders.

**Figure 4-1: COR3 and FEMA Near-Term SOW Project Submissions by Quarter  
(Natural Years)**



### 4.4.4 List of Near-Term Priority Projects

Table A-1 of Appendix A includes the complete list of projects in the near-term priority category. In addition, the Appendix identifies projects by asset category, brief description, estimated timing for submission to COR3 and FEMA for review and approval, a class 5 cost estimate, and PRASA’s Construction Improvement Program number.



It is important to note that the cost estimate provided does not include potential hazard mitigation funding that may be available through FEMA's 406 Hazard Mitigation Program. PRASA intends to submit applications for 406 funding with its 428 projects, where applicable. These additional funds will be critical to reinforcing the new infrastructure to protect against damage from future disaster events.

All projects in the tables below are funded through FEMA's 428 programs unless otherwise noted. Also, HUD's CDBG-DR funds will support some of the infrastructure projects contained in this plan, but the allocation of the HUD funds are yet to be tied to specific projects, which will occur in a future update of this plan.

## 4.5 Mid-Term Category Overview

The mid-term priority category is composed of projects that have either already begun design (A & E) or are expected to do so in 2024-2027.

In the sections that follow, we provide this information on near-term priority projects. Table 4-4 enumerates this information.

**Table 4-4: Project Information to be provided**

| Section                              | Plan Information Provided                                                                                                      |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1. Description of projects           | An overview of the projects in the priority category and the approach used to designate them, organized by asset type          |
| 2. Summary of projects               | Number of projects by asset category and start year, along with total dollars by asset category                                |
| 3. COR3 and FEMA submission timeline | Estimated timeline for SOW submittal to indicate the number of projects for each year and asset category                       |
| 4. List of projects                  | Project name, a brief description, estimated submittal timing, estimated cost, and CIP # for each project included in the plan |



### 4.5.1 Description of Mid-Term Category Overview

Mid-term projects mainly consist of the rehabilitation of damages to PRASA assets incurred during the 2017 hurricanes. The application submitted under the FEMA 428 program, includes all projects. PRASA's target is to rehabilitate and improve all these assets following industry standards without regard to pre-disaster conditions, to restore components not damaged by the disaster, and when necessary to restore the facility function. The projects included in the mid-term priority are as described in Table 4-5 below.

### 4.5.2 Summary of Mid-Term Priority Projects

The following table (Table 4-5) summarizes the mid-term project volume and the cost estimate by asset category:

**Table 4-5: Summary of Mid-Term Priority Projects (Natural Years and Cumulative Total)**

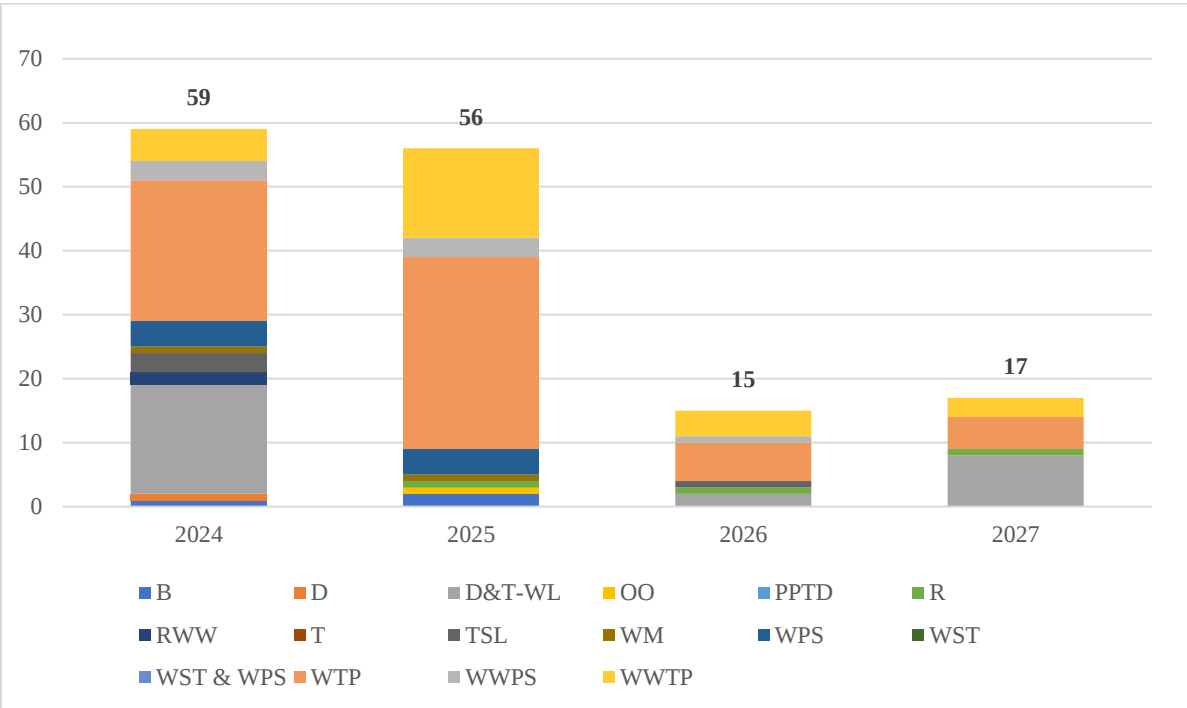
| Asset Category | 2024      | 2025     | 2026     | 2027     | Total Projects | Total Cost Estimates (Million) |
|----------------|-----------|----------|----------|----------|----------------|--------------------------------|
| WTP            | 3         | 0        | 0        | 0        | 3              | \$124.92                       |
| WWTP           | 0         | 0        | 0        | 0        | 0              | \$211.12                       |
| WWPS           | 0         | 1        | 0        | 1        | 2              | \$0.00                         |
| WPS            | 0         | 0        | 0        | 0        | 0              | \$0.00                         |
| WST & WPS      | 0         | 0        | 0        | 0        | 0              | \$0.00                         |
| WST            | 2         | 1        | 0        | 0        | 3              | \$0.00                         |
| RWW            | 0         | 0        | 0        | 0        | 0              | \$0.00                         |
| B              | 0         | 0        | 0        | 0        | 0              | \$56.03                        |
| OO             | 0         | 0        | 0        | 0        | 0              | \$0.00                         |
| D              | 1         | 1        | 0        | 0        | 2              | \$0.00                         |
| R              | 3         | 0        | 0        | 0        | 3              | \$0.00                         |
| D&T-WL         | 0         | 0        | 0        | 0        | 0              | \$5.36                         |
| WM             | 0         | 0        | 0        | 0        | 0              | \$216.55                       |
| TSL            | 17        | 4        | 2        | 5        | 28             | \$0.00                         |
| T              | 1         | 1        | 0        | 0        | 2              | \$0.00                         |
| PPTD           | 14        | 1        | 2        | 2        | 19             | \$0.00                         |
| <b>Total</b>   | <b>41</b> | <b>9</b> | <b>4</b> | <b>8</b> | <b>62</b>      | <b>\$613.97</b>                |



### 4.5.3 Mid-Term COR3 and FEMA Submission Timeline

The following bar chart (Figure 4-2) shows the estimated timeline for submittal of individual projects to COR3 and FEMA for review and approval:

**Figure 4-2:-COR3 and FEMA Mid-Term SOW Submissions by Quarter (Natural Years)**



### 4.5.4 List of Mid-Term Priority Projects

Table A-2 of Appendix A of this document includes the complete list of projects in the mid-term priority category. In addition, the Appendix identifies projects by asset category, brief description, estimated timing for submission to COR3 and FEMA for review and approval, a class 5 cost estimate, and PRASA’s Construction Improvement Program number.



It is important to note that the cost estimate provided does not include potential hazard mitigation funding that may be available through FEMA's 406 Hazard Mitigation Program. PRASA intends to submit applications for 406 funding with each of its 428 projects, where applicable. These additional funds will be critical to reinforcing the new infrastructure to protect against damage from future disaster events.

All projects in the tables below are funded through FEMA's 428 programs unless otherwise noted. Also, HUD's CDBG-DR funds will support some of the infrastructure projects in this plan. However, the allocation of the HUD funds has not yet been tied to specific projects, resulting in a future update of this plan.



## 4.6 Long- Term Category Overview

The long-term priority category comprises projects that have already begun design (A & E) or will begin in 2028-2030+.

In the sections that follow, we provide this information on near-term priority projects. Table 4-6 enumerates the information presented.

**Table 4-6: Provided Project Information**

| Section                              | Plan Information Provided                                                                                                                       |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Description of projects           | An overview of the projects in the priority category and the approach used to designate them, organized by asset type.                          |
| 2. Summary of projects               | Number of projects by asset category and start year, along with total dollars by asset category.                                                |
| 3. COR3 and FEMA submission timeline | Estimated timeline for submittal to indicate the number of projects for each year and asset category.                                           |
| 4. List of projects                  | Project name, a brief description, estimated submittal timing, estimated cost, and IRP reference section for each project included in the plan. |

### 4.6.1 Description of Long-Term Category Overview

Long-term projects mainly consist of the rehabilitation of damages to PRASA assets incurred during the 2017 hurricanes. All projects are in the application submitted under the FEMA 428 program. PRASA's target is to rehabilitate and improve all these assets following industry standards without regard to pre-disaster conditions and restore components not damaged by the disaster when necessary to restore the facility function. The projects included in the long-term priority are as described in Table 4-7 below.



## 4.6.2 Summary of Long-Term Priority Projects

The following table (Table 4-7) summarizes the volume of the long-term projects planned to be initiate (A & E Phase) and the estimated cost per asset category:

**Table 4-7: Summary of Long-Term Priority Projects (Natural Years and Cumulative Total)**

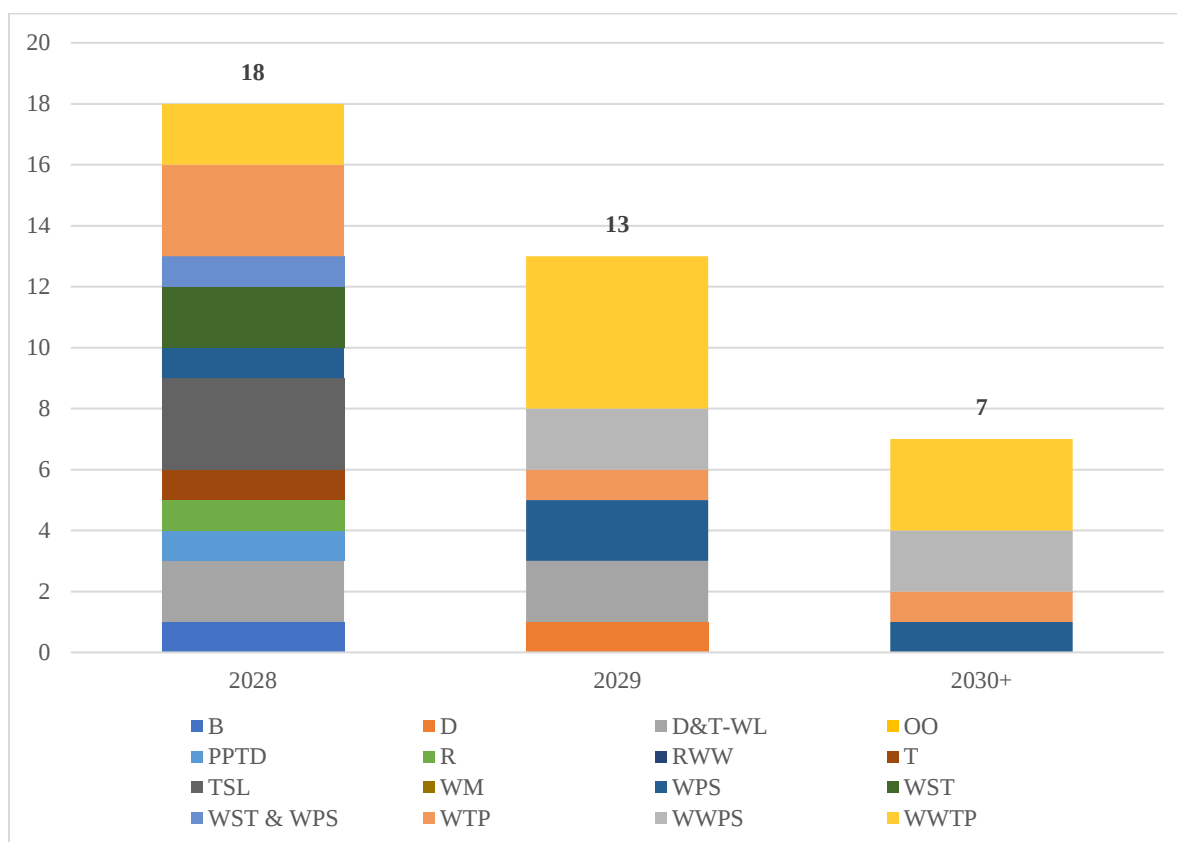
| Asset Category | A & E Start 2028 | A & E Start 2029 | A & E Start 2030+ | Total Projects | Total Cost Estimates (Million) |
|----------------|------------------|------------------|-------------------|----------------|--------------------------------|
| WTP            | 1                | 0                | 0                 | 1              | \$6.82                         |
| WWTP           | 1                | 0                | 0                 | 1              | \$57.34                        |
| WWPS           | 3                | 0                | 0                 | 3              | \$3.76                         |
| WPS            | 0                | 0                | 0                 | 0              | \$18.94                        |
| WST & WPS      | 1                | 0                | 0                 | 1              | \$0.40                         |
| WST            | 0                | 0                | 0                 | 0              | \$3.50                         |
| RWW            | 0                | 0                | 0                 | 0              | \$0.00                         |
| B              | 1                | 0                | 0                 | 1              | \$0.50                         |
| OO             | 3                | 0                | 0                 | 3              | \$0.00                         |
| D              | 0                | 0                | 0                 | 0              | \$0.00                         |
| R              | 3                | 0                | 1                 | 4              | \$0.00                         |
| D&T-WL         | 2                | 0                | 0                 | 2              | \$3.14                         |
| WM             | 1                | 0                | 0                 | 1              | \$0.00                         |
| TSL            | 1                | 0                | 1                 | 2              | \$13.26                        |
| T              | 2                | 0                | 2                 | 4              | \$4.57                         |
| PPTD           | 4                | 0                | 2                 | 6              | \$21.17                        |
| <b>Total</b>   | <b>23</b>        | <b>0</b>         | <b>6</b>          | <b>29</b>      | <b>\$133.40</b>                |



### 4.6.3 Long- Term COR3 and FEMA Submission Timeline

The following bar chart (Figure 4-3) shows the estimated timeline for submittal of individual projects to COR3 and FEMA for review and approval:

**Figure 4-3: COR3 and FEMA Long-Term SOW Submissions by Quarter (Natural Years)**



### 4.6.4 List of Long-Term Priority Projects

Table A-3 of Appendix A of this document included the complete list of projects in the long-term priority category. PRASA identifies projects by asset category, brief description,



estimated timing for submission to COR3 and FEMA for review and approval, a class 5 cost estimate, and PRASA's Construction Improvement Program number.

It is important to note that the cost estimate provided does not include potential hazard mitigation funding that may be available through FEMA's 406 Hazard Mitigation Program. PRASA intends to submit applications for 406 funding with each of its 428 projects, where applicable. These additional funds will be critical to reinforcing the new infrastructure to protect against damage from future disaster events.

All projects in the tables below are funded through FEMA's 428 programs unless otherwise noted. Also, HUD's CDBG-DR funds will support some of the infrastructure projects in this plan. However, the allocation of the HUD funds has not tied to specific projects, resulting in a future update of this plan.



## Chapter 5 PRASA's Plan Schedule

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### 5.1 Timing Assumptions

The estimation of project time regarding the identification and prioritization of projects relies on the best information available to PRASA at the time of plan development, primarily that project formulation, based on the FEMA Five Phase National Workflow, will occur expeditiously.

Recognizing that PRASA does not yet have all the necessary details to develop detailed plans for its infrastructure projects and have precision on timing, COR3 and FEMA have identified this plan as a “living document,” one that requires an update and resubmission every 90 days after initial submittal.

The estimated timing of projects in PRASA's FAASSt Workplan will be impacted by many different factors including, but not limited to, regulatory requirements and stakeholder input, improved clarity on project requirements and approach, project review and permitting processes, the availability of both labor and material resources to execute on project design and construction tasks, and potential future disaster events impacting the island. It is expected that PRASA's FAASSt Workplan, including estimated project timing, will require revision as part of these regular plan updates.

It is expected that increased clarity on project requirements and approach provided from current and future engineering studies and the completion of 30% design work will result in updates to project approach and milestone timing estimates. Also, collecting as built/record drawings, asset management planning, and document control requirements will impact the design work and the project approach.

Another set of milestone timing assumptions and potential drivers of milestone timing changes are around approval and permitting processes. These include uncertainty about the amount of time required from project submission to completion of review and receipt of approval from



COR3 and FEMA. Specifically, the timing for environmental and remediation permits for each project will depend on the type of project, location, and potential impacts on environmental/social receptors, including air, water, wetlands, natural resources, and cultural and historical resources.

Lastly, milestone timing estimates assume the required labor and materials needed to support the infrastructure plan will be available; however, shortages of either, even temporarily, may cause delays and necessitate adjustments to project milestone timing estimates.

## **5.2 Estimated Project Timing Assumptions**

Each project has four major standardized milestones regarding timing:

- Begin 30% Architecture and Engineering Design (A & E)
- Submit Project to COR3 and FEMA for Review
- Begin Construction/Implementation
- Begin COR3 and FEMA Project Closeout

Appendix B shows the schedule, year by year, the work plan for major milestone initiation for the projects in the near-term, mid, and long-term periods.



## Chapter 6 PRASA's Management Approach

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The work needed to complete projects from their planning phase to completion requires both PRASA's internal personnel and external resources. To support PRASA in managing this plan and achieve a cost-effective way to carry out this plan, PRASA has onboard a Project Management Consortium (C). The Consortiums responsibility will be the efficient and timely execution of the CIP. All the projects included in this plan were added to PRASA's CIP.

PRASA, in coordination with the Consortiums, must establish metrics by project and monitor compliance and execution through a CIP tracking tool. Typically, the construction phase includes the highest potential for deviations in cost and time. To maintain control of these, PRASA keeps monthly track of two industry standard KPIs:

- Cost Performance Index (CPI): Measures the cost efficiency of resources committed to the project, evaluating whether the project will be completed on budget.
- Schedule Performance Index (SPI): Measures the relationship between the executed work versus the planned work, assessing whether the project will be completed on time.

The established metrics will allow for high-level monitoring of the project's execution.

PRASA Infrastructure Office, with the assistance of the Consortiums, will manage the FEMA funded projects under a governance structure that includes:

- Strong governance and oversight, by senior executives, of all projects
- Project justification is rigorous, documented, data-driven, standardized, and includes assessing costs, benefits, and alternative courses of action.
- Project authorization is grounded in a well-defined process with clear roles and responsibilities.
- Centralized approvals and oversight so that projects work together as a cohesive group of projects.



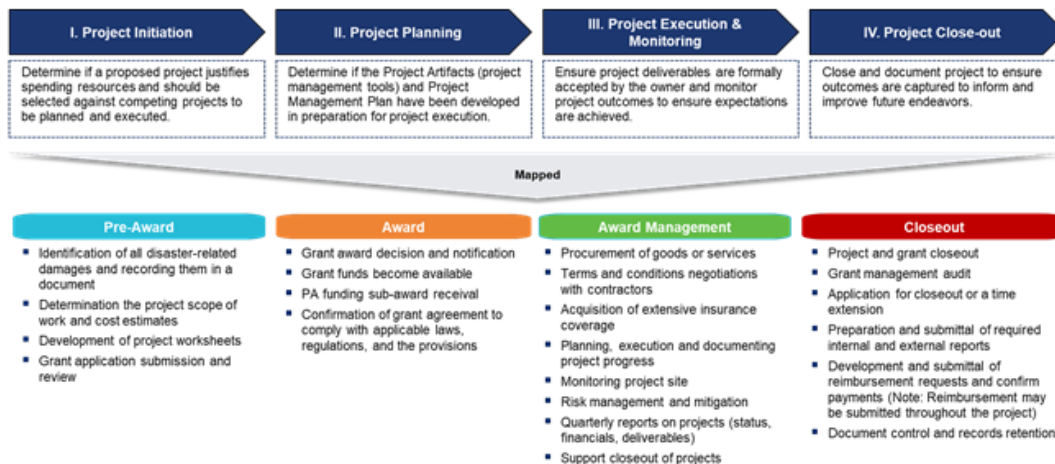
As defined by COR3, the federal grant lifecycle process (See Figure 6-1) is an end-to-end framework outlining the progression of phases and key requirements that PRASA must complete, obtain, manage, and close of Public Assistance funding sub-awards and projects.

**Figure 6-1: COR3's Federal Grant Lifecycle**



PRASA ensures a rigorous project management process that governs all projects with clear accountabilities, consistent standards based on leading practices for managing and governing all PRASA projects. The management process has four phases for a project (See Figure 6-2), each of which has defined deliverables and documentation required to enter the next phase. To ensure compliance with local and federal guidelines and regulations, PRASA has incorporated the key requirements and associated controls to manage FEMA funds within the project management process.

**Figure 6-2: PRASA's Management Process to Federal Grant Lifecycle**



PRASA has a Management Information System with functional architecture that provides various project management features to enable management to maintain visibility around projects in each stage of the project lifecycle from project initiation to project closeout.

PRASA has incorporated the following controls to ensure FEMA fund management guidelines are met:

- A set of quality management controls based on PRASA's quality management system.
- Plus, effective project management controls and execution procedures, including risk management, based on leading practices.
- The FEMA grant and fund management control process to ensure compliance.
- The preparation of dashboards, project reports, and monthly operating sequences.



## Chapter 7 Appendix A

### 7.1 Appendix A: Table A.1- List of PRASA Projects FAASt Near-Term

| Project #   | Type | Description                                                                                | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status    |
|-------------|------|--------------------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|-----------|
| CIP.3130001 | B    | PRASA Central Laboratory in Caguas (FAAST)                                                 | 2021-Q1           | 2021-Q1               | 2020-Q4                    | 2024-Q2                         | \$40,627,649.14     | Obligated |
| CIP.2479001 | WTP  | Rehabilitation of Morovis Sur RWI                                                          | 2021-Q1           | 2021-Q1               | 2021-Q4                    | 2023-Q3                         | \$3,559,431.65      | Obligated |
| CIP.3305001 | WWTP | Improvements to Guayama WWTP (FAAST)                                                       | 2021-Q1           | 2021-Q1               | 2022-Q3                    | 2026-Q3                         | \$95,964,765.31     | Obligated |
| CIP.2017005 | WTP  | Rehabilitation of Culebrinas WTP                                                           | 2021-Q1           | 2021-Q1               | 2024-Q2                    | 2027-Q1                         | \$110,333,672.53    | Obligated |
| CIP.2096007 | WTP  | Rehabilitation of Enrique Ortega WTP                                                       | 2021-Q1           | 2021-Q1               | 2024-Q2                    | 2028-Q2                         | \$161,547,810.15    | Obligated |
| CIP.3445009 | WWPS | Design and Build La Sabana Las Piedras WWPS                                                | 2021-Q2           | 2021-Q2               | 2020-Q4                    | 2023-Q1                         | \$645,565.93        | Obligated |
| CIP.1019000 | R    | Carraizo Reservoir Dredging                                                                | 2021-Q1           | 2021-Q2               | 2023-Q1                    | 2026-Q1                         | \$109,897,271.93    | Obligated |
| CIP.5376001 | R    | Repair of Geosynthetic Membranes in Lago Regulador in Isabela                              | 2021-Q2           | 2021-Q2               | 2024-Q2                    | 2025-Q3                         | \$32,729,668.48     | Obligated |
| CIP.1169001 | TSL  | Rehabilitation of Los Angeles and Loiza Pueblo Trunk Sewers (FAAST)                        | 2021-Q3           | 2021-Q3               | 2022-Q2                    | 2024-Q3                         | \$11,733,928.70     | Obligated |
| CIP.3365083 | WWTP | Rehabilitation of Humacao Waste Water Treatment Plant (WWTP) Sludge Treatment System (STS) | 2021-Q2           | 2021-Q3               | 2022-Q2                    | 2024-Q4                         | \$12,707,763.79     | Obligated |



| Project #          | Type              | Description                                                                                | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status    |
|--------------------|-------------------|--------------------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|-----------|
| <b>CIP.2149001</b> | <b>TSL</b>        | Rehabilitation of Camuy Trunk Sewer Lines (FAAST)                                          | 2022-Q1           | 2021-Q3               | 2023-Q4                    | 2027-Q3                         | \$76,066,890.65     | Obligated |
| <b>CIP.3135079</b> | <b>WWTP</b>       | Rehabilitation of Blowers in Caguas WWTP (FAAST)                                           | 2021-Q1           | 2021-Q4               | 2019-Q4                    | 2022-Q4                         | \$5,933,487.32      | Obligated |
| <b>CIP.1660002</b> | <b>B</b>          | Rehabilitation of PRASA Main Building (Sede) Inspection Only                               | 2021-Q4           | 2021-Q4               | 2022-Q2                    | 2023-Q3                         | \$476,637.53        | Obligated |
| <b>CIP.4089000</b> | <b>TSL</b>        | Rehabilitation of Arroyo-Guayama Trunk Sewer Lines (FAAST)                                 | 2021-Q1           | 2021-Q4               | 2022-Q3                    | 2025-Q1                         | \$21,985,067.25     | Obligated |
| <b>CIP.4589003</b> | <b>TSL</b>        | Rehabilitation of Ponce Trunk Sewer System (FAAST)                                         | 2021-Q2           | 2021-Q4               | 2022-Q3                    | 2025-Q3                         | \$20,089,922.43     | Obligated |
| <b>CIP.2755055</b> | <b>TSL</b>        | Rehabilitation of Vega Baja Trunk Sewer Lines (TSL)                                        | 2021-Q3           | 2021-Q4               | 2023-Q2                    | 2025-Q2                         | \$9,899,830.49      | Obligated |
| <b>CIP.3139002</b> | <b>TSL</b>        | Rehabilitation of Caguas Trunk Sewer Lines (FAAST)                                         | 2021-Q3           | 2021-Q4               | 2023-Q2                    | 2026-Q1                         | \$34,329,537.10     | Obligated |
| <b>CIP.5509001</b> | <b>TSL</b>        | Rehabilitation of Hormigueros and Mayaguez Trunk Sewer Lines (FAAST)                       | 2022-Q1           | 2021-Q4               | 2023-Q4                    | 2026-Q1                         | \$33,099,121.98     | Obligated |
| <b>CIP.6009002</b> | <b>WM</b>         | Water Meters Pilot Project (FAAST)                                                         | 2021-Q3           | 2021-Q4               | 2024-Q1                    | 2028-Q2                         | \$4,116,665.68      | Obligated |
| <b>CIP.1009001</b> | <b>WST</b>        | Rehabilitation of Tanks Phase 1- Metro Region                                              | 2021-Q4           | 2022-Q1               | 2022-Q3                    | 2025-Q2                         | \$4,700,959.08      | Obligated |
| <b>CIP.4009001</b> | <b>WST</b>        | Rehabilitation of Tanks Phase 1- South Region                                              | 2021-Q1           | 2022-Q1               | 2022-Q3                    | 2024-Q4                         | \$4,268,528.36      | Obligated |
| <b>CIP.2475022</b> | <b>D&amp;T-WL</b> | Installation of Water Line at Río Utuado Bridge, Municipality of Utuado                    | 2021-Q4           | 2022-Q1               | 2022-Q4                    | 2024-Q1                         | \$914,336.04        | Obligated |
| <b>CIP.2095052</b> | <b>TSL</b>        | Rehabilitation of 42 IN Trunk Sewer Line from PR-684 to the South part of Barceloneta WWTP | 2021-Q3           | 2022-Q1               | 2023-Q1                    | 2025-Q2                         | \$32,324,502.04     | Obligated |



| Project #          | Type        | Description                                                  | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                         |
|--------------------|-------------|--------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|------------------------------------------------|
| <b>CIP.2039000</b> | <b>WWPS</b> | Rehabilitation of Guerrero 2 WWPS, Municipality of Aguadilla | 2022-Q1           | 2022-Q1               | 2023-Q2                    | 2024-Q4                         | \$5,538,308.25      | Obligated                                      |
| <b>CIP.3009001</b> | <b>WST</b>  | Rehabilitation of Tanks Phase 1- East Region                 | 2021-Q4           | 2022-Q1               | 2023-Q2                    | 2025-Q1                         | \$3,895,475.88      | Obligated                                      |
| <b>CIP.3139000</b> | <b>B</b>    | New Central Laboratory Caguas- Equipment- FAASST             | 2021-Q1           | 2022-Q1               | 2023-Q4                    | 2024-Q3                         | \$8,071,833.74      | Obligated                                      |
| <b>CIP.2426100</b> | <b>WTP</b>  | Rehabilitation of Lares Nueva Espino WTP and RWI             | 2021-Q3           | 2022-Q1               | 2024-Q1                    | 2026-Q2                         | \$30,647,279.52     | Obligated                                      |
| <b>CIP.2076042</b> | <b>WTP</b>  | Rehabilitation of Esperanza Arecibo WTP and RWI              | 2021-Q3           | 2022-Q1               | 2026-Q4                    | 2028-Q2                         | \$20,730,322.29     | SOW Submitted, Under National Workflow Process |
| <b>CIP.2346015</b> | <b>WTP</b>  | Rehabilitation of Hatillo-Camuy WTP                          | 2022-Q1           | 2022-Q2               | 2024-Q3                    | 2027-Q1                         | \$52,251,017.30     | SOW Submitted, Under National Workflow Process |
| <b>CIP.2206107</b> | <b>WTP</b>  | Rehabilitation of Ciales Fronton WTP and RWI                 | 2021-Q4           | 2022-Q2               | 2024-Q4                    | 2027-Q2                         | \$27,635,810.07     | Obligated                                      |
| <b>CIP.2375002</b> | <b>TSL</b>  | Trunk Sewer Lines (TSL) Isabela - Aguada (FAASST)            | 2021-Q4           | 2022-Q3               | 2023-Q2                    | 2027-Q3                         | \$42,405,621.28     | Obligated                                      |
| <b>CIP.5379002</b> | <b>WTP</b>  | Guajataca Floating RWI                                       | 2022-Q1           | 2022-Q3               | 2023-Q3                    | 2025-Q3                         | \$8,227,804.03      | Obligated                                      |
| <b>CIP.2526006</b> | <b>WTP</b>  | Rehabilitation of Morovis Sur WTP                            | 2021-Q4           | 2022-Q3               | 2024-Q1                    | 2026-Q4                         | \$48,121,020.30     | Obligated                                      |
| <b>CIP.1165044</b> | <b>WWTP</b> | Rehabilitation of Carolina WWTP FEMA (FAASST-25)             | 2021-Q3           | 2022-Q3               | 2025-Q3                    | 2027-Q3                         | \$97,242,205.01     | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.2009001</b> | <b>WST</b>  | Rehabilitation of Tanks Phase 1- North Region                | 2022-Q1           | 2022-Q4               | 2023-Q1                    | 2025-Q3                         | \$5,662,942.09      | Obligated                                      |
| <b>CIP.5009001</b> | <b>WST</b>  | Rehabilitation of Tanks Phase 1- West Region                 | 2022-Q1           | 2022-Q4               | 2023-Q1                    | 2025-Q2                         | \$2,747,590.29      | Obligated                                      |



| Project #          | Type                 | Description                                                                                     | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|--------------------|----------------------|-------------------------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| <b>CIP.3009106</b> | <b>RWW</b>           | Rehabilitation of Raw Water Wells Phase 1- East Region                                          | 2022-Q2           | 2022-Q4               | 2023-Q3                    | 2024-Q4                         | \$2,676,962.24      | Obligated                                    |
| <b>CIP.1709000</b> | <b>WTP</b>           | Enrique Ortega WTP- Raw Water Intake Power Generator (FEMA-404)                                 | 2021-Q2           | 2022-Q4               | 2025-Q4                    | 2027-Q1                         | \$43,781,029.74     | Obligated                                    |
| <b>CIP.2329004</b> | <b>WPS</b>           | Design and Build of Rehabilitation of Water Pump Station at Ciales Pozas                        | 2022-Q3           | 2023-Q1               | 2023-Q3                    | 2025-Q2                         | \$5,276,655.71      | Obligated                                    |
| <b>CIP.2709001</b> | <b>D&amp;T-WL</b>    | Design and Construction of 6" WL, El Tocon Sector, Quebrada Cruz Ward, Municipality of Toa Alta | 2022-Q4           | 2023-Q1               | 2023-Q3                    | 2024-Q3                         | \$1,824,523.77      | Obligated                                    |
| <b>CIP.4589006</b> | <b>D&amp;T-WL</b>    | Rehabilitation of WL La Yuca Sector, Ponce, PR (FAAST)                                          | 2022-Q4           | 2023-Q1               | 2023-Q3                    | 2024-Q4                         | \$2,484,192.90      | Obligated                                    |
| <b>CIP.4559002</b> | <b>D&amp;T-WL</b>    | Replacement of WL El Gato Ward, Orocovis, PR (FAAST)                                            | 2022-Q4           | 2023-Q1               | 2023-Q4                    | 2024-Q4                         | \$2,791,129.35      | Obligated                                    |
| <b>CIP.2009106</b> | <b>RWW</b>           | Rehabilitation of Raw Water Well Phase 1- North Region                                          | 2022-Q3           | 2023-Q2               | 2023-Q4                    | 2026-Q1                         | \$9,175,034.66      | Obligated                                    |
| <b>CIP.2269001</b> | <b>D&amp;T-WL</b>    | Replacement of 4 IN Pipeline in Villa 2000 Community in Dorado                                  | 2022-Q4           | 2023-Q2               | 2023-Q4                    | 2025-Q1                         | \$1,986,457.32      | Obligated                                    |
| <b>CIP.4009106</b> | <b>RWW</b>           | Rehabilitation of Raw Water Well Phase 1- South Region                                          | 2022-Q1           | 2023-Q2               | 2023-Q4                    | 2026-Q1                         | \$5,098,835.30      | Obligated                                    |
| <b>CIP.4009103</b> | <b>WST &amp; WPS</b> | Rehabilitation of Water Pump Stations Tanks Phase 1- South Region                               | 2022-Q3           | 2023-Q2               | 2024-Q2                    | 2026-Q3                         | \$8,367,801.33      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2739001</b> | <b>WTP</b>           | Rehabilitation of Lago Viví RWI                                                                 | 2021-Q3           | 2023-Q2               | 2025-Q1                    | 2026-Q2                         | \$6,011,089.31      | Obligated                                    |
| <b>CIP.2349003</b> | <b>D&amp;T-WL</b>    | Design and Build 16" WL, PR-119, Hatillo-Camuy                                                  | 2022-Q4           | 2023-Q3               | 2024-Q1                    | 2025-Q4                         | \$6,544,996.64      | Obligated                                    |
| <b>CIP.2709010</b> | <b>TSL</b>           | Improvements to the Teefrans TSL, Municipality of Arecibo                                       | 2022-Q1           | 2023-Q3               | 2024-Q1                    | 2027-Q2                         | \$8,932,804.40      | Obligated                                    |



| Project #                              | Type              | Description                                                                                                                                                                                                                                                                                                                                                                      | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status    |
|----------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|-----------|
| <b>CIP.2526007</b>                     | <b>WTP</b>        | Rehabilitation of Morovis Urbano WTP                                                                                                                                                                                                                                                                                                                                             | 2022-Q4           | 2023-Q4               | 2024-Q2                    | 2026-Q3                         | \$11,465,289.50     | Obligated |
| <b>CIP.4589007</b>                     | <b>D&amp;T-WL</b> | Rehabilitation of WL Sabanetas Sector, Ponce, PR (FAAST).                                                                                                                                                                                                                                                                                                                        | 2023-Q2           | 2023-Q4               | 2024-Q3                    | 2025-Q4                         | \$6,707,127.79      | Obligated |
| <b>CIP.5505028</b>                     | <b>WWTP</b>       | Rehabilitation of Mayaguez WWTP (FAAST-25)                                                                                                                                                                                                                                                                                                                                       | 2021-Q2           | 2023-Q4               | 2024-Q3                    | 2027-Q4                         | \$123,338,429.17    | Obligated |
| <b>Several East Region (3-18-5019)</b> | <b>D&amp;T-WL</b> | Replacement of Water Pipelines at East Region Phase 1 (CIP.3046007- Sumideros Ward, Aguas Buenas; CIP.3136015-Urb. Mirador, Caguas; CIP.3185018- Replacement of 4", Maton Arriba Ward, Calle Jorge Rochi, Cayey; CIP.3185019- PR-1 Km. 61, Maton C1Arriba Ward, Cayey; CIP.3279002-Damajagua Ward, Fajardo; CIP.3279003- PR-978,Ceiba;CIP.3279004-PR-976, Volatín Ward, Fajardo) | 2023-Q2           | 2023-Q4               | 2024-Q3                    | 2025-Q3                         | \$12,051,347.44     | Obligated |



| Project #                              | Type              | Description                                                                                                                                                                                                                                                                                                                                                                                          | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status    |
|----------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|-----------|
| <b>Several West Region (5-06-9000)</b> | <b>D&amp;T-WL</b> | Replacement of Water Pipelines at West Region Phase 1 (CIP.5069000-Parcelas Aqlas Aquilino, Añasco; CIP. 5379000-Chevín Sector, Isabela; CIP.5509000- París Ward, Mayaguez ;CIP. 5579003- PR-412, Corea Sector, Rincón;CIP.5609002- Camino Blanco Black Eagle, Rincón ;CIP.5609004- PR-412, Rincón; CIP.5639000- Azucena and Parcela Lluveras, Sabana Grand;CIP.5685006- Villa Rita , San Sebastián) | 2023-Q2           | 2023-Q4               | 2024-Q3                    | 2027-Q4                         | \$29,807,805.13     | Obligated |
| <b>CIP.3188001</b>                     | <b>B</b>          | Rehabilitation of Cayey Operations Office, Cayey PR                                                                                                                                                                                                                                                                                                                                                  | 2023-Q2           | 2023-Q4               | 2024-Q4                    | 2026-Q1                         | \$2,207,829.22      | Obligated |
| <b>CIP.1019001</b>                     | <b>D&amp;T-WL</b> | Rehabilitation of D&T-WL Bo. Sonadora, Renacer Sector and Mansiones, Municipality of Guaynabo                                                                                                                                                                                                                                                                                                        | 2023-Q2           | 2023-Q4               | 2025-Q1                    | 2025-Q3                         | \$2,089,835.00      | Obligated |
| <b>CIP.3139004</b>                     | <b>D&amp;T-WL</b> | Extension to Water System Aguas Buenas Mulas Tizas (FAAST) #NRW #JG                                                                                                                                                                                                                                                                                                                                  | 2023-Q2           | 2023-Q4               | 2025-Q1                    | 2026-Q1                         | \$3,415,021.67      | Obligated |
| <b>CIP.3765002</b>                     | <b>WWTP</b>       | Rehabilitation Vieques WWTP (FAAST)                                                                                                                                                                                                                                                                                                                                                                  | 2022-Q1           | 2023-Q4               | 2025-Q1                    | 2028-Q1                         | \$45,987,087.99     | Obligated |
| <b>CIP.4776078</b>                     | <b>WTP</b>        | Rehabilitation of Jagueyes Villalba WTP                                                                                                                                                                                                                                                                                                                                                              | 2022-Q1           | 2023-Q4               | 2025-Q1                    | 2026-Q1                         | \$15,745,546.47     | Obligated |
| <b>CIP.3156093</b>                     | <b>WTP</b>        | Rehabilitation of Río Grande El Yunque WTP                                                                                                                                                                                                                                                                                                                                                           | 2022-Q1           | 2023-Q4               | 2025-Q2                    | 2027-Q2                         | \$60,592,848.85     | Obligated |



| Project #                               | Type              | Description                                                                                                                                                                                                                                                                                                                                                                     | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                         |
|-----------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|------------------------------------------------|
| <b>CIP.2246106</b>                      | <b>WTP</b>        | Rehabilitation of Corozal Negros RWI                                                                                                                                                                                                                                                                                                                                            | 2022-Q3           | 2024-Q1               | 2024-Q3                    | 2026-Q3                         | \$8,029,361.86      | SOW Submitted, Under National Workflow Process |
| <b>CIP.2375003</b>                      | <b>TSL</b>        | Rehabilitation of Isabela TSL (Including Aguadilla WWPS Avenue and Fomento)                                                                                                                                                                                                                                                                                                     | 2022-Q1           | 2024-Q1               | 2024-Q3                    | 2027-Q2                         | \$18,680,349.73     | SOW Submitted, Under National Workflow Process |
| <b>CIP.7349002</b>                      | <b>D&amp;T-WL</b> | Hatillo -New Distribution System Campo Alegre Ward, Sectors 10 #NRW #JG (FAAST)                                                                                                                                                                                                                                                                                                 | 2022-Q3           | 2024-Q1               | 2024-Q4                    | 2027-Q1                         | \$11,925,449.84     | SOW Submitted, Under National Workflow Process |
| <b>Several South Region (4-08-9001)</b> | <b>D&amp;T-WL</b> | Replacement of Water Pipelines at South Region Phase 1 (CIP.4089001- Buena Vista Sector, Arroyo; CIP.4229003- PR-155 Sector Farallones, Coamo ; CIP.4229004- PR-150 Santa Catalina and San Ildefonso, Coamo; CIP.4319001- Indios Ward, Guayanilla; CIP.4399000- Collores Sector PR 512, Juana Diaz; CIP.4779001-RLimón Sector, Villalba; CIP.4779002- Chichón Sector, Villalba) | 2023-Q2           | 2024-Q1               | 2024-Q4                    | 2027-Q2                         | \$25,781,864.09     | Obligated                                      |
| <b>CIP.3009103</b>                      | <b>WPS</b>        | Rehabilitation of Water Pump Stations Tanks Phase 1- East Region                                                                                                                                                                                                                                                                                                                | 2022-Q3           | 2024-Q2               | 2024-Q2                    | 2026-Q2                         | \$9,502,344.59      | SOW Submitted, Under National Workflow Process |
| <b>CIP.2265016</b>                      | <b>D&amp;T-WL</b> | D&B Installation of 12 in Water Pipeline PR-691, Dorado, PR (FAAST)                                                                                                                                                                                                                                                                                                             | 2023-Q4           | 2024-Q2               | 2024-Q3                    | 2027-Q2                         | \$10,438,149.17     | SOW Submitted, Under National Workflow Process |



| Project #                               | Type              | Description                                                                                                                                                                                                                                                                       | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                         |
|-----------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|------------------------------------------------|
| <b>CIP.2265017</b>                      | <b>D&amp;T-WL</b> | Design and Build for the Rehabilitation of the Distribution System of Vega Alta & Dorado Potable Water                                                                                                                                                                            | 2023-Q3           | 2024-Q2               | 2024-Q3                    | 2027-Q2                         | \$4,571,343.33      | SOW Submitted, Under National Workflow Process |
| <b>CIP.2709002</b>                      | <b>D&amp;T-WL</b> | Design and Construction of 4" WL, Villa Esperanza Community, Municipality of Toa Alta                                                                                                                                                                                             | 2022-Q4           | 2024-Q2               | 2024-Q3                    | 2025-Q4                         | \$3,515,003.90      | Obligated                                      |
| <b>Several Metro Region (1-01-9003)</b> | <b>D&amp;T-WL</b> | Replacement of Water Pipelines at Metro Region Phase 1 (CIP-1159001-Urb. Loiza Valley, Canóvanas; CIP-1169002-Urb. Villa Fontana, Carolina; CIP-1665120-Urb. Country Club, San Juan; ; CIP-1669101- Urb. Country Club, Carolina; CIP-1019003 Ave. Juan Ponce de Leon, Bo. Amelia) | 2023-Q2           | 2024-Q2               | 2024-Q3                    | 2026-Q1                         | \$16,086,573.25     | Obligated                                      |
| <b>CIP.1159000</b>                      | <b>WPS</b>        | Design and Build of Rehabilitation of Water Pump Station at La Central, Municipality of Canóvanas                                                                                                                                                                                 | 2023-Q2           | 2024-Q2               | 2024-Q4                    | 2025-Q4                         | \$3,161,295.40      | Obligated                                      |
| <b>CIP.2526008</b>                      | <b>D&amp;T-WL</b> | Improvements to the Water Distribution System in Morovis (FAAST)                                                                                                                                                                                                                  | 2022-Q3           | 2024-Q2               | 2024-Q4                    | 2027-Q4                         | \$38,964,594.37     | SOW Submitted, Under National Workflow Process |
| <b>Several North Region (2-38-9001)</b> | <b>D&amp;T-WL</b> | Replacement of Water Pipelines at North Region Phase 1(CIP-2071001 La Pica, El Peje and Sabana Hoyos, Vega Alta; CIP-2389001- Tetuan III , Jayuya; CIP-2479000 Sector Boquillas,Manatí.)                                                                                          | 2023-Q2           | 2024-Q2               | 2024-Q4                    | 2025-Q3                         | \$7,414,620.12      | Obligated                                      |



| Project #          | Type              | Description                                                                                         | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                         |
|--------------------|-------------------|-----------------------------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|------------------------------------------------|
| <b>CIP.1116008</b> | <b>WTP</b>        | Rehabilitation of Guaynabo Santa Rosa WI (FAAST-25)                                                 | 2022-Q2           | 2024-Q2               | 2025-Q1                    | 2026-Q2                         | \$61,345,630.21     | SOW Submitted, Under National Workflow Process |
| <b>CIP.2346016</b> | <b>D&amp;T-WL</b> | Replacement of 4" and 6" WL, Bayaney Ward, Municipality of Hatillo                                  | 2023-Q2           | 2024-Q2               | 2025-Q1                    | 2026-Q1                         | \$1,460,964.03      | Obligated                                      |
| <b>CIP.3156094</b> | <b>WTP</b>        | Replacement of RWI at Mameyes River for the Yunque WTP                                              | 2022-Q3           | 2024-Q2               | 2025-Q1                    | 2026-Q3                         | \$23,983,018.93     | SOW Submitted, Under National Workflow Process |
| <b>CIP.5506044</b> | <b>WTP</b>        | Rehabilitation of Miradero Mayagüez RWI                                                             | 2022-Q1           | 2024-Q2               | 2025-Q1                    | 2027-Q2                         | \$50,058,603.14     | SOW Submitted, Under National Workflow Process |
| <b>CIP.4495001</b> | <b>WWTP</b>       | Rehabilitation or Elimination of Maunabo WWTP (FAAST-25)                                            | 2021-Q4           | 2024-Q2               | 2025-Q3                    | 2029-Q1                         | \$53,951,904.89     | SOW Submitted, Under National Workflow Process |
| <b>CIP.1019002</b> | <b>D&amp;T-WL</b> | Replacement of 2" AP Pipe Sector Camino Los Bigios, Caimito (FAAST) #NRW #JG .                      | 2023-Q2           | 2024-Q4               | 2025-Q1                    | 2026-Q1                         | \$596,136.93        | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.1019004</b> | <b>D&amp;T-WL</b> | Replacement of WL Pipe, El Gato Sector at PR-834, Municipality of Guaynabo                          | 2023-Q2           | 2024-Q4               | 2025-Q1                    | 2026-Q1                         | \$935,668.06        | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.1115069</b> | <b>D&amp;T-WL</b> | Renovation of the potable Water Pipeline Sector La Pra and Los Fonsecas Buena Ward (FAAST) #NRW #JG | 2023-Q2           | 2027-Q4               | 2025-Q1                    | 2026-Q1                         | \$1,175,720.83      | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.1115070</b> | <b>D&amp;T-WL</b> | Infrastructure potable water Com. Doña Concha, Bayamon (FAAST) #NRW #JG .                           | 2023-Q2           | 2027-Q4               | 2025-Q1                    | 2026-Q1                         | \$544,888.33        | Pending Scope & Cost Completion by Applicant   |



| Project #          | Type              | Description                                                                             | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                         |
|--------------------|-------------------|-----------------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|------------------------------------------------|
| <b>CIP.1115071</b> | <b>D&amp;T-WL</b> | Infrastructure Potable Water Sec. Los Fonseca Bo. Cerro Gordo (FAAST) #NRW #JG .        | 2023-Q2           | 2027-Q4               | 2025-Q1                    | 2026-Q1                         | \$638,813.33        | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.1159001</b> | <b>D&amp;T-WL</b> | Replacement and Rehabilitation of Pipeline AP Urb. Loiza Valley (FAAST) #NRW #JG .      | 2023-Q2           | 2024-Q4               | 2025-Q1                    | 2026-Q1                         | \$1,967,963.20      | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.1169002</b> | <b>D&amp;T-WL</b> | Replacement and Rehabilitation of the Pipeline AP Urb. Villa Fontana (FAAST) #NRW #JG . | 2023-Q2           | 2024-Q4               | 2025-Q1                    | 2026-Q1                         | \$2,129,234.20      | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.1665120</b> | <b>D&amp;T-WL</b> | Rehabilitation Tubería SDR14 Urb. Country Club, San Juan (FAAST) #NRW #JG .             | 2023-Q2           | 2024-Q4               | 2025-Q1                    | 2025-Q3                         | \$3,612,561.77      | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.2269000</b> | <b>D&amp;T-WL</b> | Rehabilitación Siste. Distrib de Dorado/Vega Alta (Dorado Twist) (FAAST) #NRW #JG       | 2023-Q2           | 2024-Q3               | 2025-Q1                    | 2026-Q1                         | \$1,453,432.64      | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.2389000</b> | <b>D&amp;T-WL</b> | Rehabilitation of Pipe 4" AP D.I. Sector Cuesta del Cementerio (FAAST) #NRW #JG .       | 2023-Q2           | 2027-Q4               | 2025-Q1                    | 2026-Q1                         | \$777,073.33        | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.2419001</b> | <b>D&amp;T-WL</b> | Rehabilitation of Sistema de Rio Lajas, Dorado (FAAST) #NRW #JG .                       | 2023-Q2           | 2027-Q4               | 2025-Q1                    | 2026-Q1                         | \$3,282,567.31      | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.2526009</b> | <b>D&amp;T-WL</b> | Design and Build of 4" y 2" PVC SDR-14 Sec. Los Pedrozas (FAAST) #NRW .                 | 2023-Q2           | 2027-Q4               | 2025-Q1                    | 2026-Q1                         | \$850,073.27        | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.3186003</b> | <b>WTP</b>        | Rehabilitation of El Farallon WTP                                                       | 2022-Q3           | 2024-Q3               | 2025-Q1                    | 2026-Q2                         | \$35,333,027.03     | SOW Submitted, Under National Workflow Process |



| Project #          | Type        | Description                                                                        | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                         |
|--------------------|-------------|------------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|------------------------------------------------|
| <b>CIP.4316007</b> | <b>WTP</b>  | Rehabilitation of Jaguas Pasto Guayanilla WTP                                      | 2021-Q4           | 2024-Q4               | 2025-Q1                    | 2027-Q2                         | \$16,759,106.79     | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.4649000</b> | <b>TSL</b>  | Replacement of TSL Santos Amadeo, Baldorioty & Miguel Casco Urban, Salinas (FAAST) | 2023-Q1           | 2024-Q4               | 2025-Q1                    | 2028-Q2                         | \$14,369,456.32     | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.5009106</b> | <b>RWW</b>  | Rehabilitation of Raw Water Well Phase 1- West Region                              | 2022-Q3           | 2024-Q4               | 2025-Q1                    | 2027-Q2                         | \$4,174,351.17      | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.5489001</b> | <b>WTP</b>  | Rehabilitation of Maricao Monte del Estado RWI                                     | 2022-Q3           | 2024-Q3               | 2025-Q1                    | 2026-Q4                         | \$11,503,188.55     | SOW Submitted, Under National Workflow Process |
| <b>CIP.2009103</b> | <b>WPS</b>  | Rehabilitation of Water Pump Stations Tanks Phase 1- North Region                  | 2022-Q2           | 2024-Q4               | 2025-Q2                    | 2027-Q2                         | \$6,892,425.66      | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.2009104</b> | <b>WWPS</b> | Rehabilitation of Wastewater Pump Stations Tanks Phase 1- North Region             | 2022-Q2           | 2024-Q4               | 2025-Q2                    | 2027-Q2                         | \$7,883,990.93      | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.2386047</b> | <b>WTP</b>  | Rehabilitation of Jayuya Urbano WTP and RWI                                        | 2022-Q4           | 2024-Q4               | 2025-Q2                    | 2027-Q1                         | \$38,330,716.46     | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.2386057</b> | <b>WTP</b>  | Rehabilitation of Jayuya WTP and RWI                                               | 2022-Q4           | 2024-Q4               | 2025-Q2                    | 2027-Q1                         | \$7,109,979.72      | Pending Scope & Cost Completion by Applicant   |
| <b>CIP.3106106</b> | <b>WTP</b>  | Rehabilitation of Barranquitas Barrancas WTP and RWI                               | 2022-Q3           | 2024-Q4               | 2025-Q2                    | 2027-Q1                         | \$29,724,113.17     | Pending Scope & Cost Completion by Applicant   |



| Project #          | Type              | Description                                                            | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|--------------------|-------------------|------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| <b>CIP.3136012</b> | <b>WTP</b>        | Rehabilitation of Caguas Norte WTP                                     | 2022-Q3           | 2024-Q4               | 2025-Q2                    | 2027-Q1                         | \$80,373,293.98     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3279001</b> | <b>WWTP</b>       | Rehabilitation of Switchgear Fajardo WWTP (FAAST) #NRW #JG             | 2023-Q3           | 2024-Q4               | 2025-Q2                    | 2026-Q2                         | \$6,841,577.18      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4009104</b> | <b>WWPS</b>       | Rehabilitation of Wastewater Pump Stations Tanks Phase 1- South Region | 2023-Q1           | 2024-Q4               | 2025-Q2                    | 2027-Q3                         | \$10,638,711.09     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4046010</b> | <b>WTP</b>        | Rehabilitation of RWI Rio Añasco and Desander FEMA-406                 | 2021-Q1           | 2024-Q4               | 2025-Q2                    | 2026-Q4                         | \$22,058,348.44     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4299000</b> | <b>TSL</b>        | Rehabilitation of Barriada Esperanza Guanica Trunk Sewer System        | 2022-Q4           | 2024-Q3               | 2025-Q2                    | 2026-Q3                         | \$8,018,618.79      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5009103</b> | <b>WPS</b>        | Rehabilitation of Water Pump Stations Tanks Phase 1- West Region       | 2023-Q1           | 2024-Q4               | 2025-Q2                    | 2027-Q3                         | \$7,303,453.20      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5609001</b> | <b>D&amp;T-WL</b> | Installation of 12" WL PR-115, Rincón (FAAST)                          | 2023-Q3           | 2024-Q4               | 2025-Q2                    | 2027-Q2                         | \$8,955,192.02      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.7776071</b> | <b>D</b>          | Rehabilitation of Toa Vaca Dam                                         | 2021-Q2           | 2024-Q4               | 2025-Q2                    | 2026-Q3                         | \$7,175,120.28      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1076003</b> | <b>WTP</b>        | Super Aqueduct Microgrid (Proposed 406)                                | 2023-Q3           | 2024-Q4               | 2025-Q4                    | 2027-Q1                         | \$97,468,259.36     | Pending Scope & Cost Completion by Applicant |



| Project #          | Type              | Description                                                                                           | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|--------------------|-------------------|-------------------------------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| <b>CIP.2426099</b> | <b>WTP</b>        | Rehabilitation of Lares Indiera Alta WTP and RWI                                                      | 2022-Q3           | 2024-Q4               | 2024-Q3                    | 2027-Q2                         | \$12,483,484.67     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5129001</b> | <b>D&amp;T-WL</b> | Design & Build Installation of 4" WL Betances Community, Llanos Tuna Ward, Cabo Rojo (FAAST) #NRW #JG | 2023-Q2           | 2027-Q4               | 2025-Q1                    | 2026-Q1                         | \$971,058.78        | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3009104</b> | <b>WWPS</b>       | Rehabilitation of Wastewater Pump Stations Tanks Phase 1- East Region                                 | 2023-Q2           | 2024-Q4               | 2025-Q2                    | 2027-Q3                         | \$8,065,612.53      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3536006</b> | <b>WTP</b>        | Rehabilitation Naguabo Río Blanco WTP                                                                 | 2022-Q1           | 2024-Q4               | 2025-Q2                    | 2028-Q3                         | \$29,993,369.89     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4556009</b> | <b>WTP</b>        | Rehabilitation of Sanamuertos Orocovis WTP                                                            | 2022-Q4           | 2024-Q4               | 2025-Q2                    | 2027-Q1                         | \$14,665,889.10     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4646004</b> | <b>WTP</b>        | Raw Water Wells Closure/ Salinas WTP (FEMA-404)                                                       | 2022-Q1           | 2024-Q4               | 2025-Q2                    | 2027-Q4                         | \$47,855,565.71     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4695042</b> | <b>WWTP</b>       | Rehabilitation of Santa Isabel WWTP (FAAST)                                                           | 2022-Q1           | 2024-Q4               | 2025-Q2                    | 2026-Q4                         | \$75,224,580.83     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4776077</b> | <b>WTP</b>        | Rehabilitation of Villalba Apeadero WTP                                                               | 2022-Q1           | 2024-Q4               | 2025-Q2                    | 2027-Q1                         | \$8,626,288.83      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5486006</b> | <b>WTP</b>        | Rehabilitation of Monte del Estado Maricao WTP                                                        | 2022-Q3           | 2024-Q4               | 2025-Q2                    | 2027-Q1                         | \$11,642,221.21     | Pending Scope & Cost Completion by Applicant |



| Project #          | Type              | Description                                                                 | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|--------------------|-------------------|-----------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| <b>CIP.1009106</b> | <b>RWW</b>        | Rehabilitation of Raw Water Well Phase 1- Metro Region                      | 2022-Q1           | 2024-Q4               | 2025-Q3                    | 2027-Q3                         | \$2,007,929.24      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2246116</b> | <b>WTP</b>        | Rehabilitation of Corozal Negros WTP                                        | 2023-Q1           | 2024-Q4               | 2025-Q3                    | 2027-Q4                         | \$36,683,255.68     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2549000</b> | <b>D&amp;T-WL</b> | Rehabilitation of Transmission and Distribution System at Naranjito (FAAST) | 2022-Q3           | 2024-Q4               | 2025-Q3                    | 2027-Q3                         | \$62,968,604.52     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4576002</b> | <b>WTP</b>        | Rehabilitation of Peñuelas WTP                                              | 2023-Q3           | 2024-Q4               | 2025-Q3                    | 2027-Q3                         | \$19,094,553.86     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1726043</b> | <b>WTP</b>        | Rehabilitation of Sergio Cuevas WTP                                         | 2022-Q2           | 2025-Q1               | 2025-Q2                    | 2027-Q3                         | \$116,657,324.88    | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1156004</b> | <b>WTP</b>        | Rehabilitation of Cubuy WTP and RWI, Municipality of Canóvanas              | 2023-Q1           | 2025-Q1               | 2025-Q3                    | 2027-Q4                         | \$10,264,453.39     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2596004</b> | <b>WTP</b>        | Rehabilitation of Quebradillas WTP and RWI                                  | 2022-Q2           | 2025-Q1               | 2025-Q3                    | 2027-Q2                         | \$44,597,339.53     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1016095</b> | <b>WTP</b>        | Rehabilitation of Guaynabo WTP                                              | 2021-Q4           | 2025-Q1               | 2025-Q4                    | 2028-Q3                         | \$105,517,618.08    | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3106105</b> | <b>WTP</b>        | Rehabilitation of Barranquitas La Boca WTP and RWI                          | 2023-Q2           | 2025-Q1               | 2025-Q4                    | 2027-Q3                         | \$18,315,606.03     | Pending Scope & Cost Completion by Applicant |



| Project #          | Type        | Description                                                           | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|--------------------|-------------|-----------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| <b>CIP.4796004</b> | <b>WTP</b>  | Rehabilitation of Yauco Río Prieto WTP                                | 2023-Q2           | 2025-Q1               | 2025-Q4                    | 2028-Q1                         | \$26,839,249.30     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5009104</b> | <b>WWPS</b> | Rehabilitation of Wastewater Pump Stations Tanks Phase 1- West Region | 2023-Q1           | 2025-Q1               | 2025-Q4                    | 2027-Q4                         | \$13,413,972.39     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5486007</b> | <b>WTP</b>  | Rehabilitation of Maricao WTP                                         | 2023-Q2           | 2025-Q1               | 2025-Q4                    | 2028-Q1                         | \$13,463,257.00     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5506047</b> | <b>WTP</b>  | Rehabilitation of Miradero Mayaguez WTP                               | 2022-Q3           | 2025-Q1               | 2025-Q4                    | 2027-Q3                         | \$47,042,831.83     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5506046</b> | <b>WTP</b>  | Rehabilitation of Ponce de Leon Mayaguez WTP                          | 2023-Q1           | 2025-Q1               | 2026-Q1                    | 2027-Q4                         | \$40,918,491.37     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5415031</b> | <b>WWTP</b> | Rehabilitation of Lajas WWTP (FAAST)                                  | 2022-Q2           | 2025-Q2               | 2026-                      | 2027-Q1                         | \$15,796,413.90     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1009002</b> | <b>R</b>    | Carraizo Reservoir Sediment Control (Proposed 406)                    | 2022-Q3           | 2025-Q2               | 2026-Q1                    | 2027-Q3                         | \$49,528,460.89     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1665900</b> | <b>WWPS</b> | Rehabilitation of Martín Peña WWPS (Tokio), Municipality of San Juan  | 2023-Q2           | 2025-Q2               | 2026-Q1                    | 2026-Q4                         | \$12,987,603.95     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2736005</b> | <b>WTP</b>  | Rehabilitation of Utuado Mameyes Limon (Arriba) WTP and RWI           | 2022-Q3           | 2025-Q2               | 2026-Q1                    | 2027-Q4                         | \$20,145,491.15     | Pending Scope & Cost Completion by Applicant |



| Project #          | Type        | Description                                                       | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|--------------------|-------------|-------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| <b>CIP.5036006</b> | <b>WTP</b>  | Rehabilitation Aguadilla Montaña WTP                              | 2023-Q2           | 2025-Q2               | 2026-Q1                    | 2028-Q2                         | \$75,027,730.57     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5509105</b> | <b>OO</b>   | Rehabilitation of Mayaguez Ocean Outfall                          | 2023-Q1           | 2025-Q2               | 2026-Q1                    | 2027-Q4                         | \$26,991,789.14     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3139001</b> | <b>WWTP</b> | Rehabilitation of Caguas WWTP (FAAST-25)                          | 2022-Q1           | 2025-Q3               | 2026-Q1                    | 2028-Q2                         | \$141,393,274.73    | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1009103</b> | <b>WPS</b>  | Rehabilitation of Water Pump Stations Tanks Phase 1- Metro Region | 2023-Q1           | 2025-Q3               | 2026-Q2                    | 2028-Q3                         | \$3,389,694.08      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2386049</b> | <b>WTP</b>  | Elimination of Jayuya Canalizo WTP and RWI                        | 2022-Q4           | 2025-Q3               | 2026-Q2                    | 2029-Q3                         | \$29,529,400.47     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2736006</b> | <b>WTP</b>  | Rehabilitation of Utuado Mameyes WTP and RWI                      | 2022-Q3           | 2025-Q3               | 2026-Q2                    | 2028-Q1                         | \$11,427,268.38     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2916002</b> | <b>WTP</b>  | Rehabilitation of Arecibo Superacueductos WTP                     | 2022-Q2           | 2025-Q3               | 2026-Q2                    | 2029-Q1                         | \$124,595,945.31    | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3405005</b> | <b>WTP</b>  | Valenciano WTP Expansion (404)                                    | 2023-Q3           | 2026-Q1               | 2026-Q3                    | 2029-Q4                         | \$75,292,675.58     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5375021</b> | <b>WWTP</b> | Removal of WWTP Isabela (LB-J 17) (FEMA-406)                      | 2021-Q2           | 2026-Q1               | 2026-Q3                    | 2028-Q4                         | \$109,198,381.22    | Pending Scope & Cost Completion by Applicant |



| Project #          | Type              | Description                                                      | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|--------------------|-------------------|------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| <b>CIP.3405006</b> | <b>D&amp;T-WL</b> | Valenciano Water Distribution System (404)                       | 2023-Q3           | 2026-Q1               | 2026-Q4                    | 2029-Q4                         | \$187,656,787.30    | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3405007</b> | <b>WTP</b>        | Valenciano Dam and RWI (404)                                     | 2023-Q3           | 2026-Q1               | 2026-Q4                    | 2029-Q4                         | \$154,601,062.91    | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5685000</b> | <b>TSL</b>        | Replacement of Trunk Sewer Lines (TSL) in San Sebastián (FAAST)  | 2022-Q4           | 2026-Q1               | 2026-Q4                    | 2029-Q1                         | \$19,150,624.94     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2075073</b> | <b>WWTP</b>       | Rehabilitation of Islote WWTP, Arecibo (Proposed 406)            | 2022-Q3           | 2026-Q1               | 2027-Q3                    | 2029-Q2                         | \$118,605,083.38    | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2475021</b> | <b>WWTP</b>       | Rehabilitation of Barceloneta WWTP (FAAST-25)                    | 2022-Q3           | 2026-Q1               | 2028-Q3                    | 2031-Q4                         | \$29,852,077.71     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3785018</b> | <b>WWTP</b>       | Rehabilitation of Yabucoa WWTP (FAAST)                           | 2023-Q3           | 2026-Q2               | 2027-Q1                    | 2028-Q4                         | \$13,834,844.62     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2071000</b> | <b>D&amp;T-WL</b> | Improvements to Arecibo Water Distribution System (Proposed 406) | 2023-Q1           | 2028-Q1               | 2028-Q4                    | 2031-Q3                         | \$5,000,000.00      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3366005</b> | <b>WTP</b>        | Rehabilitation of Humacao WTP                                    | 2021-Q3           | 2028-Q2               | 2029-Q1                    | 2030-Q3                         | \$5,059,766.26      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3236247</b> | <b>WWTP</b>       | Rehabilitation of Comerío WWTP (FAAST)                           | 2022-Q2           | 2029-Q1               | 2029-Q4                    | 2031-Q3                         | \$36,823,054.83     | Pending Scope & Cost Completion by Applicant |



| Project #   | Type | Description                              | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|-------------|------|------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| CIP.5035001 | WWTP | Rehabilitation of Aguada WWTP (FAAST-25) | 2022-Q2           | 2029-Q3               | 2030-Q2                    | 2032-Q4                         | \$52,239,532.18     | Pending Scope & Cost Completion by Applicant |



## 7.2 Appendix A: Table A.2- List of PRASA Projects FAASt Mid-Term

| Project #          | Type        | Description                                                              | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|--------------------|-------------|--------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| <b>CIP.5485005</b> | <b>WTP</b>  | Rehabilitation of Orama Maricao RWI (Proposed 406)                       | 2024-Q1           | 2024-Q4               | 2025-Q2                    | 2027-Q3                         | \$7,453,158.25      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2095016</b> | <b>WWTP</b> | Barceloneta Regional WWTP Microgrid Barceloneta, PR (FEMA-406)           | 2024-Q2           | 2024-Q4               | 2025-Q3                    | 2027-Q2                         | \$58,147,624.21     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.6000050</b> | <b>WM</b>   | Rehabilitation of Remote Reading Meter Warehouse (FAAST)                 | 2024-Q3           | 2024-Q4               | 2025-Q3                    | 2026-Q1                         | \$4,143,103.60      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.6005000</b> | <b>B</b>    | Stand-By Power Generators                                                | 2024-Q3           | 2024-Q4               | 2025-Q3                    | 2027-Q1                         | \$32,895,600.00     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1455017</b> | <b>WWTP</b> | Carolina Regional WWTP & Torrecillas WWTP Microgrid Loiza, PR (FEMA-406) | 2024-Q2           | 2024-Q4               | 2025-Q4                    | 2027-Q3                         | \$26,626,500.00     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1669003</b> | <b>B</b>    | Rehabilitation of PRASA Main Building (Sede)                             | 2024-Q1           | 2025-Q1               | 2025-Q2                    | 2026-Q2                         | \$23,133,539.74     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1325016</b> | <b>WTP</b>  | Guaynabo Water Treatment Plant-Microgrid, Guaynabo, PR (FEMA-406)        | 2024-Q1           | 2025-Q1               | 2025-Q4                    | 2027-Q2                         | \$7,324,491.58      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2425017</b> | <b>WTP</b>  | Rehabilitation of Raw Water Intake Lares Espino WTP Lares, PR (FEMA-406) | 2024-Q2           | 2025-Q1               | 2025-Q4                    | 2026-Q4                         | \$6,452,373.33      | Pending Scope & Cost Completion by Applicant |



| Project #          | Type        | Description                                            | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|--------------------|-------------|--------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| <b>CIP.2595016</b> | <b>WTP</b>  | Quebradillas WTP Microgrid Quebradillas, PR (FEMA-406) | 2024-Q2           | 2025-Q1               | 2025-Q4                    | 2027-Q3                         | \$8,780,336.56      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3135019</b> | <b>WWTP</b> | Caguas WWTP Microgrid Caguas, PR (FEMA-406)            | 2024-Q2           | 2025-Q1               | 2025-Q4                    | 2027-Q3                         | \$58,147,624.21     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3195016</b> | <b>WWTP</b> | Cayey Regional WWTP Microgrid Cayey, PR (FEMA-406)     | 2024-Q2           | 2025-Q1               | 2025-Q4                    | 2027-Q3                         | \$24,104,809.69     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3275017</b> | <b>WWTP</b> | Fajardo Regional WWTP Microgrid Fajardo, PR (FEMA-406) | 2024-Q2           | 2025-Q1               | 2025-Q4                    | 2027-Q3                         | \$32,930,724.56     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3275019</b> | <b>WTP</b>  | Fajardo WTP & Dam Microgrid Fajardo, PR (FEMA-406)     | 2024-Q2           | 2025-Q1               | 2025-Q4                    | 2027-Q3                         | \$32,930,724.56     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3535016</b> | <b>WTP</b>  | Río Blanco WTP Microgrid Naguabo, PR (FEMA-406)        | 2024-Q2           | 2025-Q1               | 2025-Q4                    | 2027-Q2                         | \$51,812,399.30     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3615017</b> | <b>WTP</b>  | El Yunque WTP Microgrid Río Grande, PR (FEMA-406)      | 2024-Q2           | 2025-Q1               | 2025-Q4                    | 2027-Q3                         | \$32,930,724.56     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3755016</b> | <b>WWTP</b> | Vieques WWTP Microgrid Vieques, PR (FEMA-406)          | 2024-Q1           | 2025-Q1               | 2025-Q4                    | 2027-Q2                         | \$11,301,193.19     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4305016</b> | <b>WWTP</b> | Guayama Regional WWTP Microgrid Guayama, PR (FEMA-406) | 2024-Q2           | 2025-Q1               | 2025-Q4                    | 2027-Q3                         | \$32,930,724.56     | Pending Scope & Cost Completion by Applicant |



| Project #          | Type        | Description                                                                        | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|--------------------|-------------|------------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| <b>CIP.4495016</b> | <b>WWPS</b> | Maunabo WWPS & Guardarraya WWPS Microgrid Maunabo, PR (FEMA-406)                   | 2024-Q2           | 2025-Q1               | 2025-Q4                    | 2027-Q3                         | \$6,064,313.26      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4585018</b> | <b>WWTP</b> | Ponce Regional WWTP Microgrid Ponce, PR (FEMA-406)                                 | 2024-Q2           | 2025-Q1               | 2025-Q4                    | 2027-Q3                         | \$26,626,499.65     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4685016</b> | <b>WWTP</b> | Santa Isabel WWTP Microgrid Santa Isabel, PR (FEMA-406)                            | 2024-Q1           | 2025-Q1               | 2025-Q4                    | 2027-Q3                         | \$20,322,274.74     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5485016</b> | <b>WTP</b>  | Monte del Estado WTP Microgrid Maricao, PR (FEMA-406)                              | 2024-Q1           | 2025-Q1               | 2025-Q4                    | 2027-Q2                         | \$1,892,778.32      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5505016</b> | <b>WWTP</b> | Mayaguez WWTP & Mayaguez Sludge Compos Fmpos Facility Microgrid Mayaguez, PR(FEMA) | 2024-Q1           | 2025-Q1               | 2025-Q4                    | 2027-Q2                         | \$45,538,174.39     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5505017</b> | <b>WTP</b>  | Ponce de León WTP Microgrid Mayaguez, PR (FEMA-406)                                | 2024-Q2           | 2025-Q1               | 2025-Q4                    | 2027-Q3                         | \$3,348,789.97      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1155017</b> | <b>WPS</b>  | Finca Rosso 1 Pump Station Microgrid Bayamón, PR (FEMA-406)                        | 2024-Q2           | 2025-Q2               | 2026-Q1                    | 2027-Q4                         | \$26,654,499.65     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1715016</b> | <b>WTP</b>  | Sergio Cuevas WTP & Cupey PS Microgrid Trujillo Alto, PR (FEMA-406)                | 2024-Q2           | 2025-Q2               | 2026-Q1                    | 2027-Q3                         | \$51,873,399.30     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3135018</b> | <b>WTP</b>  | Caguas Norte WTP Microgrid Caguas, PR (FEMA-406)                                   | 2024-Q2           | 2025-Q2               | 2026-Q1                    | 2027-Q3                         | \$20,383,274.74     | Pending Scope & Cost Completion by Applicant |



| Project #   | Type | Description                                                                   | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|-------------|------|-------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| CIP.3239005 | WTP  | Rehabilitation of Comerío WTP (FAAST)                                         | 2024-Q1           | 2025-Q2               | 2026-Q1                    | 2027-Q4                         | \$10,217,328.21     | Pending Scope & Cost Completion by Applicant |
| CIP.3276053 | WTP  | Rehabilitation of Fajardo WTP                                                 | 2024-Q3           | 2025-Q2               | 2026-Q1                    | 2028-Q2                         | \$11,513,559.86     | Pending Scope & Cost Completion by Applicant |
| CIP.3366001 | WWTP | Rehabilitation of Humacao WWTP                                                | 2024-Q3           | 2025-Q2               | 2026-Q1                    | 2028-Q2                         | \$25,200,000.00     | Pending Scope & Cost Completion by Applicant |
| CIP.5035016 | WTP  | Río Culebrinas Raw Water Intake/Dam Microgrid Aguadilla, PR (FEMA-406)        | 2024-Q2           | 2025-Q2               | 2026-Q1                    | 2027-Q4                         | \$58,208,624.21     | Pending Scope & Cost Completion by Applicant |
| CIP.5035017 | WPS  | Calero Reservoir Dam (Calero Raw Water PS) Microgrid Aguadilla, PR (FEMA-406) | 2024-Q2           | 2025-Q2               | 2026-Q1                    | 2027-Q3                         | \$32,960,724.56     | Pending Scope & Cost Completion by Applicant |
| CIP.5065016 | WPS  | Río Añasco Raw Water Pump Station Microgrid Añasco, PR (FEMA-406)             | 2024-Q2           | 2025-Q2               | 2026-Q1                    | 2027-Q3                         | \$51,873,399.30     | Pending Scope & Cost Completion by Applicant |
| CIP.5089000 | WWTP | Rehabilitation of Las Marías WWTP (FAAST-25)                                  | 2024-Q2           | 2025-Q2               | 2026-Q1                    | 2028-Q1                         | \$3,951,416.43      | Pending Scope & Cost Completion by Applicant |
| CIP.5375018 | WTP  | Isabela Urbana WTP Microgrid Isabela, PR (FEMA-406)                           | 2024-Q2           | 2025-Q2               | 2026-Q1                    | 2027-Q3                         | \$20,322,274.74     | Pending Scope & Cost Completion by Applicant |
| CIP.6009102 | WM   | Water Meters Islandwide LS Project (FAAST)                                    | 2025-Q2           | 2025-Q2               | 2028-Q3                    | 2028-Q3                         | \$790,448,983.31    | Pending Scope & Cost Completion by Applicant |



| Project #          | Type              | Description                                                                                             | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|--------------------|-------------------|---------------------------------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| <b>CIP.4016012</b> | <b>WTP</b>        | Rehabilitation of Adjuntas Guilarte WTP                                                                 | 2024-Q1           | 2025-Q3               | 2026-Q1                    | 2027-Q4                         | \$6,732,066.36      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1115018</b> | <b>WWTP</b>       | Rehabilitation of WWTP Bayamón Panels and Clarifiers Bayamón, PR (FAAST)                                | 2024-Q3           | 2025-Q3               | 2026-Q2                    | 2027-Q4                         | \$30,000,000.00     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1655017</b> | <b>WWTP</b>       | Rehabilitation of WWTP Puerto Nuevo Panels and Clarifiers San Juan, PR (FAAST)                          | 2024-Q3           | 2025-Q3               | 2026-Q2                    | 2027-Q4                         | \$30,000,000.00     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2555016</b> | <b>WTP</b>        | Raw Water Intake Sana Muertos Orocovis, PR (FEMA-406)                                                   | 2024-Q2           | 2025-Q3               | 2026-Q2                    | 2028-Q3                         | \$6,792,475.67      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3135017</b> | <b>B</b>          | PRASA Central Laboratory, Caguas-Microgrid Caguas, PR (FEMA-406)                                        | 2024-Q2           | 2025-Q3               | 2026-Q2                    | 2028-Q1                         | \$17,953,584.77     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3106104</b> | <b>WTP</b>        | Rehabilitation of Barranquitas WTP and RWI                                                              | 2025-Q1           | 2026-Q1               | 2026-Q3                    | 2028-Q1                         | \$7,341,753.25      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3186002</b> | <b>WTP</b>        | Rehabilitation of Cayey Urbana WTP                                                                      | 2025-Q1           | 2026-Q1               | 2026-Q3                    | 2028-Q2                         | \$11,278,552.53     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3365085</b> | <b>WWPS</b>       | Elimination of WWPS Buxo, Humacao PR (Proposed 406)                                                     | 2025-Q2           | 2026-Q1               | 2026-Q3                    | 2027-Q2                         | \$1,035,173.66      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2071001</b> | <b>D&amp;T-WL</b> | Improvements to La Pica, El Peje, and Sabana Hoyos Water Distribution System, Municipality of Vega Alta | 2025-Q3           | 2026-Q2               | 2024-Q4                    | 2025-Q3                         | \$4,519,658.34      | Pending Scope & Cost Completion by Applicant |



| Project #          | Type        | Description                                 | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|--------------------|-------------|---------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| <b>CIP.4009000</b> | <b>R</b>    | Bauta Tunnel (FEMA 404/CDBG-MIT)            | 2024-Q2           | 2026-Q2               | 2027-Q1                    | 2031-Q2                         | \$245,406,983.27    | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3136013</b> | <b>WTP</b>  | Rehabilitation of Caguas Sur WTP            | 2025-Q4           | 2026-Q4               | 2027-Q2                    | 2028-Q4                         | \$9,419,354.05      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4016008</b> | <b>WTP</b>  | Rehabilitation of Adjuntas Olimpia WTP      | 2025-Q4           | 2026-Q4               | 2027-Q2                    | 2029-Q1                         | \$8,741,236.56      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5686045</b> | <b>WTP</b>  | Rehabilitation of San Sebastian WTP and RWI | 2026-Q1           | 2027-Q1               | 2027-Q3                    | 2029-Q2                         | \$8,641,105.37      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3185033</b> | <b>WWTP</b> | Rehabilitation of Cayey WWTP (FAAST-25)     | 2026-Q1           | 2027-Q2               | 2027-Q4                    | 2030-Q1                         | \$21,955,051.90     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2386048</b> | <b>WTP</b>  | Elimination of Jayuya La Pica WTP and RWI   | 2026-Q4           | 2027-Q3               | 2028-Q2                    | 2029-Q4                         | \$6,665,220.42      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3056002</b> | <b>WWTP</b> | Rehabilitation of Aibonito WWTP (FAAST)     | 2026-Q4           | 2027-Q3               | 2028-Q2                    | 2029-Q4                         | \$11,997,298.02     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5066000</b> | <b>R</b>    | Casey Reservoir (Proposed 406)              | 2024-Q3           | 2027-Q3               | 2028-Q2                    | 2033-Q2                         | \$2,000,000.00      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4585096</b> | <b>WWTP</b> | Rehabilitation of Ponce WWTP (FAAST-25)     | 2025-Q2           | 2027-Q3               | 2028-Q3                    | 2031-Q2                         | \$22,800,310.56     | Pending Scope & Cost Completion by Applicant |



| Project #          | Type              | Description                                                                 | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|--------------------|-------------------|-----------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| <b>CIP.1156005</b> | <b>WTP</b>        | Rehabilitation of Canóvanas Nueva WTP and RWI                               | 2027-Q1           | 2027-Q4               | 2028-Q2                    | 2031-Q1                         | \$12,996,377.84     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3466005</b> | <b>WTP</b>        | Rehabilitation of Luquillo-Sabana WTP                                       | 2027-Q1           | 2027-Q4               | 2028-Q2                    | 2030-Q1                         | \$11,278,141.53     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5067002</b> | <b>D&amp;T-WL</b> | Improvements to Water System Community Del Hoyo de los Feos, Añasco (FAAST) | 2027-Q1           | 2027-Q4               | 2028-Q2                    | 2029-Q3                         | \$838,032.39        | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5636006</b> | <b>WTP</b>        | Rehabilitation of Sabana Grande WTP and RWI                                 | 2027-Q1           | 2027-Q4               | 2028-Q3                    | 2030-Q1                         | \$6,168,314.33      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2545006</b> | <b>WWTP</b>       | Rehabilitation of Naranjito WWTP                                            | 2027-Q2           | 2028-Q1               | 2028-Q3                    | 2030-Q4                         | \$10,253,475.60     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3105032</b> | <b>WWTP</b>       | Rehabilitation of Barranquitas WWTP (FAAST)                                 | 2027-Q1           | 2028-Q1               | 2028-Q3                    | 2030-Q1                         | \$9,419,677.05      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5376006</b> | <b>WTP</b>        | Rehabilitation of Isabela Urbana WTP and RWI                                | 2027-Q2           | 2028-Q1               | 2028-Q3                    | 2030-Q4                         | \$7,746,473.00      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1001001</b> | <b>R</b>          | Metropolitan Multi- Reservoir System (FEMA) (406)                           | 2025-Q3           | 2028-Q3               | 2029-Q2                    | 2034-Q3                         | \$2,000,000.00      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5656001</b> | <b>WTP</b>        | Rehabilitation of Caín Alto San Germán WTP and RWI                          | 2027-Q3           | 2028-Q4               | 2029-Q2                    | 2031-Q1                         | \$6,176,866.33      | Pending Scope & Cost Completion by Applicant |



### 7.3 Appendix A: Table A.3- List of PRASA Projects FAASt Long-Term

| Project #          | Type                 | Description                                                                      | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|--------------------|----------------------|----------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| <b>CIP.1705003</b> | <b>TSL</b>           | Rehabilitation of Urb. Levittown TS, Toa Baja (FAASt)                            | 2028-Q2           | 2028-Q2               | 2028-Q4                    | 2029-Q1                         | \$669,158.33        | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3009101</b> | <b>WST</b>           | Rehabilitation of Tanks Phase 2-East (FAAST)<br>(Inactivo)                       | 2028-Q2           | 2028-Q2               | 2029-Q1                    | 2030-Q1                         | \$1,614,436.20      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2076044</b> | <b>WST &amp; WPS</b> | MCC installation at EBTK Half a Million (FAAST).                                 | 2028-Q2           | 2028-Q3               | 2029-Q1                    | 2029-Q4                         | \$396,200.00        | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3136009</b> | <b>D&amp;T-WL</b>    | Improvements to the Water Supply System in Villa del Rey Ward in Caguas (FAAST). | 2028-Q2           | 2028-Q3               | 2029-Q1                    | 2029-Q4                         | \$504,422.08        | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4317001</b> | <b>WPS</b>           | Construction Sector Ballinó Guayanilla WPS (FAAST)                               | 2028-Q2           | 2028-Q3               | 2029-Q1                    | 2029-Q4                         | \$625,872.33        | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4576008</b> | <b>TSL</b>           | Rehabilitation of Wastewater Lines Urb. Alturas de Peñuelas                      | 2028-Q2           | 2028-Q3               | 2029-Q1                    | 2029-Q3                         | \$1,431,103.65      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1705002</b> | <b>TSL</b>           | Rehabilitation of Bo. Sabana Seca TS, Toa Baja                                   | 2028-Q2           | 2028-Q3               | 2029-Q2                    | 2031-Q1                         | \$11,155,942.30     | Pending Scope & Cost Completion by Applicant |



| Project #          | Type              | Description                                                                       | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|--------------------|-------------------|-----------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| <b>CIP.4009101</b> | <b>WST</b>        | Rehabilitation of Tanks Phase 2-South Region                                      | 2028-Q2           | 2028-Q4               | 2029-Q2                    | 2030-Q3                         | \$1,889,303.08      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.6009007</b> | <b>B</b>          | Rehabilitation to PRASA Buildings Islandwide LS Project                           | 2028-Q1           | 2028-Q4               | 2029-Q3                    | 2035-Q3                         | \$500,000.00        | Pending Scope & Cost Completion by Applicant |
| <b>CIP.6009008</b> | <b>PPTD</b>       | Projects Pending to Defined LS Project (FAAST)                                    | 2028-Q1           | 2028-Q4               | 2029-Q3                    | 2035-Q3                         | \$21,169,800.09     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.6009012</b> | <b>T</b>          | Telemetry Islandwide LS Project (FAAST)                                           | 2028-Q1           | 2028-Q4               | 2029-Q3                    | 2035-Q3                         | \$4,570,599.21      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3449002</b> | <b>WPS</b>        | Rehabilitation of WPS Represa La Sabana Cuesta Los Jobos                          | 2028-Q2           | 2029-Q1               | 2029-Q3                    | 2031-Q2                         | \$10,533,456.00     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3789001</b> | <b>WPS</b>        | Rehabilitation of WPS Represa Central Roig                                        | 2028-Q2           | 2029-Q1               | 2029-Q3                    | 2031-Q1                         | \$7,336,656.00      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5685001</b> | <b>D&amp;T-WL</b> | EBAS Improvements Chinito Rondón (Energize the EBAS) (FAAST) .                    | 2028-Q2           | 2029-Q1               | 2029-Q3                    | 2030-Q1                         | \$900,177.25        | Pending Scope & Cost Completion by Applicant |
| <b>CIP.7688000</b> | <b>WWPS</b>       | Elimination of Los Alamos WWPS San Sebastian                                      | 2028-Q2           | 2029-Q1               | 2029-Q3                    | 2030-Q3                         | \$930,573.19        | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3135010</b> | <b>WWTP</b>       | Caguas-Elimination of WWTP Borinquen,Laterales Villa Sauri y 5 EBAS (Villa Caliz) | 2028-Q3           | 2029-Q1               | 2029-Q4                    | 2031-Q3                         | \$18,109,574.62     | Pending Scope & Cost Completion by Applicant |



| Project #          | Type              | Description                                                            | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|--------------------|-------------------|------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| <b>CIP.5506042</b> | <b>D&amp;T-WL</b> | Improvements to the Water Supply System in Mayaguez Mall (FAAST)       | 2028-Q2           | 2029-Q1               | 2029-Q4                    | 2031-Q1                         | \$1,738,131.97      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.5685004</b> | <b>WWTP</b>       | Rehabilitation of San Sebastián WWTP (FAAST-25)                        | 2028-Q2           | 2029-Q2               | 2029-Q4                    | 2031-Q3                         | \$12,750,430.33     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4796005</b> | <b>WTP</b>        | Rehabilitation Yauco Rancheras WTP                                     | 2028-Q2           | 2029-Q2               | 2030-Q1                    | 2031-Q3                         | \$6,668,195.75      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4555022</b> | <b>WWTP</b>       | Rehabilitation of Orocovis WWTP (FAAST-25)                             | 2028-Q1           | 2029-Q3               | 2030-Q1                    | 2031-Q4                         | \$13,706,647.21     | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1009104</b> | <b>WWPS</b>       | Rehabilitation of Wastewater Pump Stations Tanks Phase 1- Metro Region | 2028-Q2           | 2029-Q4               | 2030-Q2                    | 2032-Q3                         | \$2,792,572.39      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1666090</b> | <b>D</b>          | Improvements to La Plata Dam- Installation of Anchors                  | 2028-Q2           | 2029-Q4               | 2030-Q2                    | 2031-Q4                         | \$4,033,418.81      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.2269002</b> | <b>WWTP</b>       | Elimination of Several WWTP North Region (FAASt 406)                   | 2028-Q2           | 2030-Q1               | 2030-Q4                    | 2033-Q4                         | \$1,001,091,002.50  | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3136014</b> | <b>WWTP</b>       | Elimination of WWTP Parcealas Borinquen Caguas , PR (FEMA-406) (PL-36) | 2032-Q1           | 2033-Q1               | 2033-Q3                    | 2035-Q1                         | \$6,086,213.26      | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4795022</b> | <b>WWTP</b>       | Rehabilitation of Yauco WWTP (FAAST)                                   | 2032-Q2           | 2033-Q1               | 2033-Q3                    | 2035-Q4                         | \$12,769,782.84     | Pending Scope & Cost Completion by Applicant |



| Project #          | Type        | Description                                                                              | A&E Start Quarter | SOW Submittal Quarter | Construction Start Quarter | SOW Close Out Submittal Quarter | Total Cost Estimate | Status                                       |
|--------------------|-------------|------------------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------|
| <b>CIP.2076041</b> | <b>WTP</b>  | Rehabilitation of Arecibo Urbano WTP                                                     | 2032-Q1           | 2033-Q2               | 2034-Q1                    | 2035-Q3                         | \$153,351.39        | Pending Scope & Cost Completion by Applicant |
| <b>CIP.1669002</b> | <b>WPS</b>  | Rehabilitation of WPS of Puerto Nuevo and WL of 48", Municipality of San Juan (Inactive) | 2043-Q2           | 2044-Q2               | 2044-Q4                    | 2047-Q1                         | \$446,966.27        | Pending Scope & Cost Completion by Applicant |
| <b>CIP.4009204</b> | <b>WWPS</b> | Rehabilitation of Wastewater Pump Stations Tanks Phase 2- South Region                   | 2045-Q1           | 2045-Q2               | 2046-Q1                    | 2047-Q1                         | \$17,891.23         | Pending Scope & Cost Completion by Applicant |
| <b>CIP.3009204</b> | <b>WWPS</b> | Rehabilitation EBAS Phase 2 - East (FAAST) Inactive                                      | 2045-Q1           | 2046-Q1               | 2046-Q4                    | 2047-Q1                         | \$14,480.85         | Pending Scope & Cost Completion by Applicant |



## Chapter 8 Appendix B

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### 8.1 Appendix B: FAASt Plan Projects Schedule



| ID |  | Task Mode                                                                          | Task Name                                                                                              | Start       | Finish      | 2019 | 2024 | 2029 | 2034 | 2039 | 2044 |
|----|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------|-------------|------|------|------|------|------|------|
| 1  |                                                                                   |   | <b>PRASA FAAST PLAN</b>                                                                                |             |             |      |      |      |      |      |      |
| 2  |                                                                                   |   | <b>2021</b>                                                                                            |             |             |      |      |      |      |      |      |
| 3  |                                                                                   |   | CIP.1009001-Rehabilitation of Tanks Phase 1- Metro Region                                              | Wed 9/1/21  | Thu 4/10/25 |      |      |      |      |      |      |
| 4  |                                                                                   |   | CIP.1016095-Rehabilitation of Guaynabo WTP                                                             | Fri 10/1/21 | Mon 7/10/28 |      |      |      |      |      |      |
| 5  |                                                                                   |   | CIP.1019000-Carraizo Reservoir Dredging                                                                | Thu 2/4/21  | Thu 2/5/26  |      |      |      |      |      |      |
| 6  |                                                                                   |   | CIP.1165044-Rehabilitation of Carolina WWTP FEMA (FAAST-25)                                            | Thu 7/1/21  | Fri 7/2/27  |      |      |      |      |      |      |
| 7  |                                                                                   |   | CIP.1169001-Rehabilitation of Los Angeles and Loiza Pueblo Trunk Sewers (FAAST)                        | Thu 7/1/21  | Mon 8/26/24 |      |      |      |      |      |      |
| 8  |                                                                                   |   | CIP.1660002-Rehabilitation of PRASA Main Building (Sede) Inspection Only                               | Mon 2/1/21  | Mon 9/18/23 |      |      |      |      |      |      |
| 9  |                                                                                   |   | CIP.1709000-Enrique Ortega WTP- Raw Water Intake Power Generator (FEMA-404)                            | Mon 5/24/21 | Mon 1/25/27 |      |      |      |      |      |      |
| 10 |                                                                                   |   | CIP.2017005-Rehabilitation of Culebrinas WTP                                                           | Fri 1/1/21  | Wed 2/10/27 |      |      |      |      |      |      |
| 11 |                                                                                   |   | CIP.2076042-Rehabilitation of Esperanza Arecibo WTP and RWI                                            | Wed 9/1/21  | Mon 5/1/28  |      |      |      |      |      |      |
| 12 |                                                                                   |  | CIP.2095052-Rehabilitation of 42 IN Trunk Sewer Line from PR-684 to the South part of Barceloneta WWTP | Wed 9/1/21  | Wed 6/25/25 |      |      |      |      |      |      |

|                                         |                    |                                                                                     |                       |                                                                                       |                    |                                                                                       |
|-----------------------------------------|--------------------|-------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------|
| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID |  | Task Mode                                                                         | Task Name                                                                           | Start        | Finish       | 2019                                                                                | 2024 | 2029 | 2034 | 2039 | 2044 |
|----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|------|------|------|------|------|
| 13 |                                                                                   |  | CIP.2096007-Rehabilitation of Enrique Ortega WTP                                    | Mon 3/1/21   | Mon 6/12/28  |  |      |      |      |      |      |
| 14 |                                                                                   |  | CIP.2206107-Rehabilitation of Ciales Fronton WTP and RWI                            | Wed 12/1/21  | Sat 5/8/27   |  |      |      |      |      |      |
| 15 |                                                                                   |  | CIP.2375002-Trunk Sewer Lines (TSL) Isabela - Aguada (FAAST)                        | Fri 12/10/21 | Tue 8/3/27   |  |      |      |      |      |      |
| 16 |                                                                                   |  | CIP.2426100-Rehabilitation of Lares Nueva Espino WTP and RWI                        | Wed 9/1/21   | Mon 6/8/26   |  |      |      |      |      |      |
| 17 |                                                                                   |  | CIP.2475022-Installation of Water Line at Río Utuado Bridge, Municipality of Utuado | Wed 12/1/21  | Sun 12/1/24  |  |      |      |      |      |      |
| 18 |                                                                                   |  | CIP.2479001-Rehabilitation of Morovis Sur RWI                                       | Fri 1/1/21   | Fri 9/1/23   |  |      |      |      |      |      |
| 19 |                                                                                   |  | CIP.2526006-Rehabilitation of Morovis Sur WTP                                       | Fri 10/1/21  | Fri 11/13/26 |  |      |      |      |      |      |
| 20 |                                                                                   |  | CIP.2739001-Rehabilitation of Lago Viví RWI                                         | Wed 9/1/21   | Thu 5/28/26  |  |      |      |      |      |      |
| 21 |                                                                                   |  | CIP.2755055-Rehabilitation of Vega Baja Trunk Sewer Lines (TSL)                     | Wed 9/1/21   | Fri 4/25/25  |  |      |      |      |      |      |
| 22 |                                                                                   |  | CIP.3009001-Rehabilitation of Tanks Phase 1-East Region                             | Mon 11/1/21  | Fri 1/3/25   |  |      |      |      |      |      |
| 23 |                                                                                   |  | CIP.3130001-PRASA Central Laboratory in Caguas (FAAST)                              | Fri 1/1/21   | Fri 6/28/24  |  |      |      |      |      |      |
| 24 |                                                                                   |  | CIP.3135079-Rehabilitation of Blowers in Caguas WWTP (FAAST)                        | Fri 1/1/21   | Fri 12/30/22 |  |      |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID |  | Task Mode                                                                         | Task Name                                                                                              | Start       | Finish       | 2019                                                                                | 2024 | 2029 | 2034 | 2039 | 2044 |
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| 25 |                                                                                   |  | CIP.3139000-New Central Laboratory Caguas- Equipment- FFAST                                            | Mon 3/1/21  | Mon 7/1/24   |  |      |      |      |      |      |
| 26 |                                                                                   |  | CIP.3139002-Rehabilitation of Caguas Trunk Sewer Lines (FAAST)                                         | Thu 7/1/21  | Fri 3/13/26  |  |      |      |      |      |      |
| 27 |                                                                                   |  | CIP.3305001-Improvements to Guayama WWTP (FAAST)                                                       | Mon 2/1/21  | Thu 7/16/26  |  |      |      |      |      |      |
| 28 |                                                                                   |  | CIP.3365083-Rehabilitation of Humacao Waste Water Treatment Plant (WWTP) Sludge Treatment System (STS) | Fri 5/14/21 | Sat 11/23/24 |  |      |      |      |      |      |
| 29 |                                                                                   |  | CIP.3366005-Rehabilitation of Humacao WTP                                                              | Sun 8/1/21  | Sun 9/15/30  |  |      |      |      |      |      |
| 30 |                                                                                   |  | CIP.3445009-Design and Build La Sabana Las Piedras WWPS                                                | Tue 6/1/21  | Wed 3/1/23   |  |      |      |      |      |      |
| 31 |                                                                                   |  | CIP.4009001-Rehabilitation of Tanks Phase 1-South Region                                               | Mon 2/22/21 | Mon 4/15/24  |  |      |      |      |      |      |
| 32 |                                                                                   |  | CIP.4046010-Rehabilitation of RWI Rio Añasco and Desander FEMA-406 .                                   | Fri 1/1/21  | Sat 10/17/26 |  |      |      |      |      |      |
| 33 |                                                                                   |  | CIP.4089000-Rehabilitation of Arroyo-Guayama Trunk Sewer Lines (FAAST)                                 | Fri 2/19/21 | Tue 2/25/25  |  |      |      |      |      |      |
| 34 |                                                                                   |  | CIP.4316007-Rehabilitation of Jaguas Pasto Guayanilla WTP                                              | Fri 10/1/21 | Sat 4/10/27  |  |      |      |      |      |      |
| 35 |                                                                                   |  | CIP.4495001-Rehabilitation or Elimination of Maunabo WWTP (FAAST-25)                                   | Fri 10/1/21 | Wed 2/21/29  |  |      |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID |  | Task Mode                                                                          | Task Name                                                                 | Start       | Finish       | 2019                                                                                 | 2024 | 2029 | 2034 | 2039 | 2044 |
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| 36 |                                                                                   |   | CIP.4589003-Rehabilitation of Ponce Trunk Sewer System (FAAST)            | Thu 4/1/21  | Mon 7/14/25  |   |      |      |      |      |      |
| 37 |                                                                                   |   | CIP.5375021-Removal of PAS Isabela (LB-J 17) (FEMA-406)                   | Mon 4/5/21  | Wed 11/8/28  |   |      |      |      |      |      |
| 38 |                                                                                   |   | CIP.5376001-Repair of Geosynthetic Membranes in Lago Regulador in Isabela | Wed 9/1/21  | Sat 7/19/25  |   |      |      |      |      |      |
| 39 |                                                                                   |   | CIP.5505028-Rehabilitation of Mayaguez WWTP (FAAST-25)                    | Sat 5/1/21  | Fri 10/15/27 |   |      |      |      |      |      |
| 40 |                                                                                   |   | CIP.6009002-Water Meters Pilot Project (FAAST)                            | Wed 9/1/21  | Fri 6/30/28  |   |      |      |      |      |      |
| 41 |                                                                                   |   | CIP.7776071-Rehabilitation of Toa Vaca Dam                                | Thu 4/15/21 | Tue 8/18/26  |   |      |      |      |      |      |
| 42 |                                                                                   |   | <b>2022</b>                                                               |             |              |                                                                                      |      |      |      |      |      |
| 43 |                                                                                   |   | CIP.1009002-Carraizo Reservoir Sediment Control (Proposed 406)            | Fri 9/30/22 | Tue 7/13/27  |   |      |      |      |      |      |
| 44 |                                                                                   |   | CIP.1009106-Rehabilitation of Raw Water Well Phase 1- Metro Region        | Tue 2/1/22  | Sun 9/26/27  |   |      |      |      |      |      |
| 45 |                                                                                   |   | CIP.1116008-Rehabilitation of Guaynabo Santa Rosa WI (FAAST-25)           | Mon 4/4/22  | Wed 6/24/26  |   |      |      |      |      |      |
| 46 |                                                                                   |   | CIP.1726043-Rehabilitation of Sergio Cuevas WTP                           | Mon 4/11/22 | Tue 8/10/27  |   |      |      |      |      |      |
| 47 |                                                                                   |  | CIP.2009001-Rehabilitation of Tanks Phase 1- North Region                 | Tue 3/1/22  | Tue 7/1/25   |  |      |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 |  | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         |  | Split              |  | Manual Task           |  | External Milestone |  |
|                                         |  | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         |  | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         |  | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         |  | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         |  | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID |  | Task Mode                                                                           | Task Name                                                                            | Start       | Finish       | 2019                                                                                 | 2024                                                                                  | 2029 | 2034 | 2039 | 2044 |
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| 48 |                                                                                   |    | CIP.2009103-Rehabilitation of Water Pump Stations Tanks Phase 1- North Region        | Tue 6/7/22  | Thu 6/10/27  |                                                                                      |    |      |      |      |      |
| 49 |                                                                                   |    | CIP.2009104-Rehabilitation of Wastewater Pump Stations Tanks Phase 1- North Region   | Wed 6/1/22  | Thu 6/10/27  |                                                                                      |    |      |      |      |      |
| 50 |                                                                                   |    | CIP.2009106-Rehabilitation of Raw Water Well Phase 1- North Region                   | Fri 7/1/22  | Sat 1/10/26  |                                                                                      |    |      |      |      |      |
| 51 |                                                                                   |    | CIP.2039000-Rehabilitation of Guerrero 2 WWPS, Municipality of Aguadilla             | Tue 2/1/22  | Mon 11/11/24 |   |                                                                                       |      |      |      |      |
| 52 |                                                                                   |    | CIP.2075073-Rehabilitation of Islote WWTP, Arecibo (Proposed 406)                    | Fri 7/29/22 | Tue 4/17/29  |                                                                                      |    |      |      |      |      |
| 53 |                                                                                   |    | CIP.2149001-Rehabilitation of Camuy Trunk Sewer Lines (FAAST)                        | Wed 3/30/22 | Mon 8/16/27  |   |                                                                                       |      |      |      |      |
| 54 |                                                                                   |    | CIP.2246106-Rehabilitation of Corozal Negros RWI                                     | Fri 9/30/22 | Sat 7/11/26  |                                                                                      |    |      |      |      |      |
| 55 |                                                                                   |    | CIP.2269001-Replacement of 4 IN Pipeline in Villa 2000 Community in Dorado           | Sat 10/1/22 | Sun 1/12/25  |   |                                                                                       |      |      |      |      |
| 56 |                                                                                   |    | CIP.2329004-Design and Build of Rehabilitation of Water Pump Station at Ciales Pozas | Thu 9/1/22  | Tue 4/22/25  |                                                                                      |    |      |      |      |      |
| 57 |                                                                                   |   | CIP.2346015-Rehabilitation of Hatillo-Camuy WTP                                      | Tue 2/1/22  | Sun 2/7/27   |  |                                                                                       |      |      |      |      |
| 58 |                                                                                   |  | CIP.2349003-Design and Build 16" WL, PR-119, Hatillo-Camuy                           | Tue 11/1/22 | Fri 11/14/25 |                                                                                      |  |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

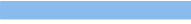
| ID |  | Task Mode                                                                           | Task Name                                                                                                   | Start       | Finish       | 2019 | 2024                                                                                  | 2029 | 2034 | 2039 | 2044 |
|----|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------|--------------|------|---------------------------------------------------------------------------------------|------|------|------|------|
| 59 |                                                                                   |    | CIP.2375003-Rehabilitation of Isabela TSL (Including Aguadilla WWPS Avenue and Fomento)                     | Wed 2/2/22  | Mon 4/19/27  |      |    |      |      |      |      |
| 60 |                                                                                   |    | CIP.2386047-Rehabilitation of Jayuya Urbano WTP and RWI                                                     | Mon 10/3/22 | Tue 3/16/27  |      |    |      |      |      |      |
| 61 |                                                                                   |    | CIP.2386049-Elimination of Jayuya Canalizo WTP and RWI                                                      | Sat 10/1/22 | Sun 7/8/29   |      |    |      |      |      |      |
| 62 |                                                                                   |    | CIP.2386057-Rehabilitation of Jayuya WTP and RWI                                                            | Mon 10/3/22 | Tue 3/16/27  |      |    |      |      |      |      |
| 63 |                                                                                   |    | CIP.2426099-Rehabilitation of Lares Indiera Alta WTP and RWI                                                | Tue 7/12/22 | Fri 5/7/27   |      |    |      |      |      |      |
| 64 |                                                                                   |    | CIP.2475021-Rehabilitation of Barceloneta WWTP (FAAST-25)                                                   | Fri 9/30/22 | Fri 11/14/31 |      |    |      |      |      |      |
| 65 |                                                                                   |    | CIP.2526007-Rehabilitation of Morovis Urbano WTP                                                            | Sat 10/1/22 | Wed 9/16/26  |      |    |      |      |      |      |
| 66 |                                                                                   |    | CIP.2526008-Improvements to the Water Distribution System in Morovis (FAAST)                                | Fri 9/2/22  | Wed 12/8/27  |      |    |      |      |      |      |
| 67 |                                                                                   |    | CIP.2549000-Rehabilitation of Transmission and Distribution System at Naranjito (FAAST)                     | Mon 8/1/22  | Wed 9/29/27  |      |    |      |      |      |      |
| 68 |                                                                                   |    | CIP.2596004-Rehabilitation of Quebradillas WTP and RWI                                                      | Mon 4/4/22  | Mon 5/17/27  |      |    |      |      |      |      |
| 69 |                                                                                   |  | CIP.2709001-Design and Construction of 6" WL, El Tocon Sector, Quebrada Cruz Ward, Municipality of Toa Alta | Sat 10/1/22 | Sun 7/28/24  |      |  |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID |  | Task Mode                                                                           | Task Name                                                                                         | Start        | Finish       | 2019                                                                                  | 2024                                                                                | 2029 | 2034 | 2039 | 2044 |
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| 70 |                                                                                   |    | CIP.2709002-Design and Construction of 4" WL, Villa Esperanza Community, Municipality of Toa Alta | Fri 12/30/22 | Sat 11/1/25  |                                                                                       |  |      |      |      |      |
| 71 |                                                                                   |    | CIP.2709010-Improvements to the Teefrans TSL, Municipality of Arecibo                             | Tue 3/1/22   | Sun 5/16/27  |    |                                                                                     |      |      |      |      |
| 72 |                                                                                   |    | CIP.2736005-Rehabilitation of Utuado Mameyes Limon (Arriba) WTP and RWI                           | Wed 8/31/22  | Sat 10/16/27 |    |                                                                                     |      |      |      |      |
| 73 |                                                                                   |    | CIP.2736006-Rehabilitation of Utuado Mameyes WTP and RWI                                          | Mon 8/22/22  | Mon 2/14/28  |    |                                                                                     |      |      |      |      |
| 74 |                                                                                   |    | CIP.2916002-Rehabilitation of Arecibo Superacueductos WTP                                         | Wed 6/1/22   | Fri 2/9/29   |    |                                                                                     |      |      |      |      |
| 75 |                                                                                   |    | CIP.3009103-Rehabilitation of Water Pump Stations Tanks Phase 1- East Region                      | Fri 7/1/22   | Mon 5/11/26  |    |                                                                                     |      |      |      |      |
| 76 |                                                                                   |    | CIP.3009106-Rehabilitation of Raw Water Wells Phase 1- Este Region                                | Sun 5/1/22   | Fri 10/11/24 |    |                                                                                     |      |      |      |      |
| 77 |                                                                                   |    | CIP.3106106-Rehabilitation of Barranquitas Barrancas WTP and RWI                                  | Wed 8/31/22  | Mon 2/1/27   |    |                                                                                     |      |      |      |      |
| 78 |                                                                                   |    | CIP.3136012-Rehabilitation of Caguas Norte WTP                                                    | Tue 8/30/22  | Fri 1/1/27   |    |                                                                                     |      |      |      |      |
| 79 |                                                                                   |    | CIP.3139001-Rehabilitation of Caguas WWTP (FAAST-25)                                              | Tue 3/1/22   | Wed 5/24/28  |    |                                                                                     |      |      |      |      |
| 80 |                                                                                   |   | CIP.3156093-Rehabilitation of Río Grande El Yunque WTP                                            | Sat 1/1/22   | Wed 6/16/27  |   |                                                                                     |      |      |      |      |
| 81 |                                                                                   |  | CIP.3156094-Replacement of RWI at Mameyes River for the Yunque WTP                                | Thu 9/1/22   | Thu 7/9/26   |  |                                                                                     |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |
|                                         |                    |                                                                                     |                       |                                                                                       |                    |                                                                                       |

| ID |  | Task Mode                                                                           | Task Name                                                                     | Start        | Finish       | 2019 | 2024                                                                                  | 2029 | 2034 | 2039 | 2044 |
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| 82 |                                                                                   |    | CIP.3186003-Rehabilitation of El Farallon WTP                                 | Fri 7/1/22   | Sat 4/25/26  |      |    |      |      |      |      |
| 83 |                                                                                   |    | CIP.3188001-Rehabilitation of Cayey Operations Office, Cayey PR               | Mon 8/1/22   | Fri 1/9/26   |      |    |      |      |      |      |
| 84 |                                                                                   |    | CIP.3236247-Rehabilitation of Comerío WWTP (FAAST)                            | Wed 6/1/22   | Wed 7/2/31   |      |    |      |      |      |      |
| 85 |                                                                                   |    | CIP.3536006-Rehabilitation Naguabo Río Blanco WTP                             | Tue 3/1/22   | Wed 8/9/28   |      |    |      |      |      |      |
| 86 |                                                                                   |    | CIP.3765002-Rehabilitation Vieques WWTP (FAAST)                               | Tue 3/1/22   | Thu 1/20/28  |      |    |      |      |      |      |
| 87 |                                                                                   |    | CIP.4009103-Rehabilitation of Water Pump Stations Tanks Phase 1- South Region | Mon 9/5/22   | Sun 7/26/26  |      |    |      |      |      |      |
| 88 |                                                                                   |    | CIP.4009106-Rehabilitation of Raw Water Well Phase 1- South Region            | Fri 3/4/22   | Wed 2/11/26  |      |    |      |      |      |      |
| 89 |                                                                                   |    | CIP.4299000-Rehabilitation of Barriada Esperanza Guanica Trunk Sewer System   | Sat 10/1/22  | Fri 7/10/26  |      |    |      |      |      |      |
| 90 |                                                                                   |    | CIP.4556009-Rehabilitation of Sanamueños Orocovis WTP                         | Thu 12/1/22  | Sun 2/14/27  |      |    |      |      |      |      |
| 91 |                                                                                   |    | CIP.4559002-Replacement of WL El Gato Ward, Orocovis, PR (FAAST)              | Fri 10/14/22 | Fri 11/29/24 |      |    |      |      |      |      |
| 92 |                                                                                   |   | CIP.4589006-Rehabilitation of WL La Yuca Sector, Ponce, PR (FAAST)            | Tue 11/1/22  | Fri 10/18/24 |      |   |      |      |      |      |
| 93 |                                                                                   |  | CIP.4646004-Raw Water Wells Closure/ Salinas WTP (FEMA-404)                   | Tue 2/15/22  | Tue 12/7/27  |      |  |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID  |  | Task Mode                                                                           | Task Name                                                                        | Start       | Finish       | 2019 | 2024                                                                                  | 2029 | 2034 | 2039 | 2044 |
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| 94  |                                                                                   |    | CIP.4695042-Rehabilitation of Santa Isabel WWTP (FAAST)                          | Wed 6/1/22  | Mon 12/7/26  |      |    |      |      |      |      |
| 95  |                                                                                   |    | CIP.4776077-Rehabilitation of Villalba Apeadero WTP                              | Thu 12/8/22 | Tue 2/16/27  |      |    |      |      |      |      |
| 96  |                                                                                   |    | CIP.4776078-Rehabilitation of Jagueyes Villalba WTP                              | Tue 3/1/22  | Tue 3/10/26  |      |    |      |      |      |      |
| 97  |                                                                                   |    | CIP.5009001-Rehabilitation of Tanks Phase 1-West Region                          | Sat 1/1/22  | Sun 4/20/25  |      |    |      |      |      |      |
| 98  |                                                                                   |    | CIP.5009106-Rehabilitation of Raw Water Well Phase 1- West Region                | Fri 9/30/22 | Sat 5/22/27  |      |    |      |      |      |      |
| 99  |                                                                                   |    | CIP.5035001-Rehabilitation of Aguada WWTP (FAAST-25)                             | Fri 4/1/22  | Sat 11/27/32 |      |    |      |      |      |      |
| 100 |                                                                                   |    | CIP.5379002-Guajataca Floating RWI                                               | Sat 1/1/22  | Wed 9/10/25  |      |    |      |      |      |      |
| 101 |                                                                                   |    | CIP.5415031-Rehabilitation of Lajas WWTP (FAAST)                                 | Wed 6/1/22  | Mon 1/4/27   |      |    |      |      |      |      |
| 102 |                                                                                   |    | CIP.5486006-Rehabilitation of Monte del Estado Maricao WTP                       | Thu 9/1/22  | Fri 1/15/27  |      |    |      |      |      |      |
| 103 |                                                                                   |    | CIP.5489001-Rehabilitation of Maricao Monte del Estado RWI                       | Thu 9/1/22  | Thu 10/22/26 |      |    |      |      |      |      |
| 104 |                                                                                   |    | CIP.5506044-Rehabilitation of Miradero Mayagüez RWI                              | Thu 12/1/22 | Tue 4/20/27  |      |    |      |      |      |      |
| 105 |                                                                                   |  | CIP.5506047-Rehabilitation of Miradero Mayaguez WTP                              | Thu 9/1/22  | Mon 8/16/27  |      |  |      |      |      |      |
| 106 |                                                                                   |  | CIP.5509001-Rehabilitation of Hormigueros and Mayaguez Trunk Sewer Lines (FAAST) | Mon 3/28/22 | Sun 2/1/26   |      |  |      |      |      |      |

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|-----------------------------------------|--------------------|-------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------|
| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID  |  | Task Mode                                                                          | Task Name                                                                                                       | Start       | Finish      | 2019 | 2024                                                                                 | 2029 | 2034 | 2039 | 2044 |
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| 107 |                                                                                   |   | CIP.5685000-Replacement of Trunk Sewer Lines (TSL) in San Sebastián (FAAST)                                     | Thu 12/1/22 | Thu 2/22/29 |      |   |      |      |      |      |
| 108 |                                                                                   |   | CIP.7349002-Hatillo -New Distribution System Campo Alegre Ward, Sectors 10 #NRW #JG (FAAST)                     | Thu 9/1/22  | Sat 1/9/27  |      |   |      |      |      |      |
| 109 |                                                                                   |   | <b>2023</b>                                                                                                     |             |             |      |                                                                                      |      |      |      |      |
| 110 |                                                                                   |   | CIP.1009103-Rehabilitation of Water Pump Stations Tanks Phase 1- Metro Region                                   | Tue 3/7/23  | Wed 8/23/28 |      |   |      |      |      |      |
| 111 |                                                                                   |   | CIP.1019001-Rehabilitation of D&T-WL Bo. Sonadora, Renacer Sector and Mansiones, Municipality of Guaynabo       | Mon 5/1/23  | Sun 9/21/25 |      |   |      |      |      |      |
| 112 |                                                                                   |   | CIP.1019002-Replacement of 2" AP Pipe Sector Camino Los Bigios, Caimito (FAAST) #NRW #JG .                      | Mon 5/1/23  | Mon 3/30/26 |      |   |      |      |      |      |
| 113 |                                                                                   |   | CIP.1019004-Replacement of WL Pipe, El Gato Sector at PR-834, Municipality of Guaynabo                          | Mon 5/1/23  | Mon 3/9/26  |      |   |      |      |      |      |
| 114 |                                                                                   |   | CIP.1076003-Super Aqueduct Microgrid (Proposed 406)                                                             | Mon 7/3/23  | Sat 2/13/27 |      |   |      |      |      |      |
| 115 |                                                                                   |  | CIP.1115069-Renovation of the potable Water Pipeline Sector La Pra and Los Fonsecas Buena Ward (FAAST) #NRW #JG | Mon 5/1/23  | Mon 2/9/26  |      |  |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID  |  | Task Mode                                                                         | Task Name                                                                                                     | Start       | Finish       | 2019 | 2024                                                                                | 2029 | 2034 | 2039 | 2044 |
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| 116 |                                                                                   |  | CIP.1115070-Infrastructure potable water Com. Doña Concha, Bayamon (FAAST) #NRW #JG .                         | Mon 5/1/23  | Mon 2/9/26   |      |  |      |      |      |      |
| 117 |                                                                                   |  | CIP.1115071-Infrastructure Potable Water Sec. Los Fonseca Bo. Cerro Gordo (FAAST) #NRW #JG .                  | Mon 5/1/23  | Mon 2/9/26   |      |  |      |      |      |      |
| 118 |                                                                                   |  | CIP.1156004-Rehabilitation of Cubuy WTP and RWI, Municipality of Canóvanas                                    | Wed 3/1/23  | Sun 10/24/27 |      |  |      |      |      |      |
| 119 |                                                                                   |  | CIP.1159000-Design and Build of Rehabilitation of Water Pump Station at La Central, Municipality of Canóvanas | Mon 5/1/23  | Thu 12/4/25  |      |  |      |      |      |      |
| 120 |                                                                                   |  | CIP.1159001-Replacement and Rehabilitation of Pipeline AP Urb. Loiza Valley (FAAST) #NRW #JG .                | Mon 5/1/23  | Mon 3/9/26   |      |  |      |      |      |      |
| 121 |                                                                                   |  | CIP.1169002-Replacement and Rehabilitation of the Pipeline AP Urb. Villa Fontana (FAAST) #NRW #JG .           | Thu 6/1/23  | Mon 3/9/26   |      |  |      |      |      |      |
| 122 |                                                                                   |  | CIP.1665120-Rehabilitation Tubería SDR14 Urb. Country Club, San Juan (FAAST) #NRW #JG .                       | Mon 5/1/23  | Sun 9/7/25   |      |  |      |      |      |      |
| 123 |                                                                                   |  | CIP.1665900-Rehabilitation of Martín Peña WWPS (Tokio), Municipality of San Juan                              | Tue 2/28/23 | Thu 11/19/26 |      |  |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID  |  | Task Mode                                                                          | Task Name                                                                                                          | Start       | Finish       | 2019 | 2024                                                                                 | 2029 | 2034 | 2039 | 2044 |
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| 124 |                                                                                   |   | CIP.2071000-Improvements to Arecibo Water Distribution System (Proposed 406)                                       | Tue 5/16/23 | Mon 7/7/31   |      |   |      |      |      |      |
| 125 |                                                                                   |   | CIP.2246116-Rehabilitation of Corozal Negros WTP                                                                   | Wed 2/1/23  | Tue 11/23/27 |      |   |      |      |      |      |
| 126 |                                                                                   |   | CIP.2265016-D&B Installation of 12 in Water Pipeline PR-691, Dorado, PR (FAAST)                                    | Tue 8/1/23  | Sat 5/1/27   |      |   |      |      |      |      |
| 127 |                                                                                   |   | CIP.2265017-Design and Build for the Rehabilitation of the Distribution System of Vega Alta & Dorado Potable Water | Tue 8/1/23  | Sat 5/1/27   |      |   |      |      |      |      |
| 128 |                                                                                   |   | CIP.2269000-Rehabilitación Siste. Distrib de Dorado/Vega Alta (Dorado Twist) (FAAST) #NRW #JG                      | Mon 5/1/23  | Fri 1/23/26  |      |   |      |      |      |      |
| 129 |                                                                                   |   | CIP.2346016-Replacement of 4" and 6" WL, Bayaney Ward, Municipality of Hatillo                                     | Mon 5/1/23  | Mon 2/9/26   |      |   |      |      |      |      |
| 130 |                                                                                   |   | CIP.2389000-Rehabilitation of Pipe 4" AP D.I. Sector Cuesta del Cementerio (FAAST) #NRW #JG .                      | Mon 5/1/23  | Mon 2/9/26   |      |   |      |      |      |      |
| 131 |                                                                                   |   | CIP.2419001-Rehabilitación al Sistema de Rio Lajas, Dorado (FAAST) #NRW #JG .                                      | Mon 5/1/23  | Mon 2/9/26   |      |   |      |      |      |      |
| 132 |                                                                                   |  | CIP.2526009-Design and Build of 4" y 2" PVC SDR-14 Sec. Los Pedrozas (FAAST) #NRW .                                | Mon 5/1/23  | Mon 2/9/26   |      |  |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID  |  | Task Mode                                                                           | Task Name                                                                          | Start       | Finish       | 2019 | 2024                                                                                  | 2029 | 2034 | 2039 | 2044 |
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| 133 |                                                                                   |    | CIP.3009104-Rehabilitation of Wastewater Pump Stations Tanks Phase 1- East Region  | Wed 4/26/23 | Tue 8/10/27  |      |    |      |      |      |      |
| 134 |                                                                                   |    | CIP.3106105-Rehabilitation of Barranquitas La Boca WTP and RWI                     | Thu 5/4/23  | Fri 7/16/27  |      |    |      |      |      |      |
| 135 |                                                                                   |    | CIP.3139004-Extension to Water System Aguas Buenas Mulas Tizas (FAAST) #NRW #JG    | Mon 5/1/23  | Mon 3/9/26   |      |    |      |      |      |      |
| 136 |                                                                                   |    | CIP.3279001-Rehabilitation of Switchgear Fajardo WWTP (FAAST) #NRW #JG             | Mon 7/10/23 | Thu 6/11/26  |      |    |      |      |      |      |
| 137 |                                                                                   |    | CIP.3405005-Valenciano WTP Expansion (404)                                         | Tue 8/1/23  | Thu 10/25/29 |      |    |      |      |      |      |
| 138 |                                                                                   |    | CIP.3405006-Valenciano Water Distribution System (404)                             | Tue 8/1/23  | Sun 12/9/29  |      |    |      |      |      |      |
| 139 |                                                                                   |    | CIP.3405007-Valenciano Dam and RWI (404)                                           | Tue 8/1/23  | Sun 12/9/29  |      |    |      |      |      |      |
| 140 |                                                                                   |    | CIP.3785018-Rehabilitation of Yabucoa WWTP (FAAST)                                 | Mon 7/3/23  | Wed 11/15/28 |      |    |      |      |      |      |
| 141 |                                                                                   |    | CIP.4009104-Rehabilitation of Wastewater Pump Stations Tanks Phase 1- South Region | Fri 2/10/23 | Sat 7/31/27  |      |    |      |      |      |      |
| 142 |                                                                                   |   | CIP.4576002-Rehabilitation of Peñuelas WTP                                         | Mon 7/31/23 | Thu 9/9/27   |      |   |      |      |      |      |
| 143 |                                                                                   |  | CIP.4589007-Rehabilitation of WL Sabanetas Sector, Ponce, PR (FAAST).              | Thu 6/1/23  | Thu 10/2/25  |      |  |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID  |  | Task Mode                                                                           | Task Name                                                                                                         | Start       | Finish       | 2019 | 2024                                                                                  | 2029 | 2034 | 2039 | 2044 |
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| 144 |                                                                                   |    | CIP.4649000-Replacement of TSL Santos Amadeo, Baldorioty & Miguel Casco Urban, Salinas (FAAST)                    | Fri 1/27/23 | Sat 4/22/28  |      |    |      |      |      |      |
| 145 |                                                                                   |    | CIP.4796004-Rehabilitation of Yauco Río Prieto WTP                                                                | Fri 6/30/23 | Sat 1/8/28   |      |    |      |      |      |      |
| 146 |                                                                                   |    | CIP.5009103-Rehabilitation of Water Pump Stations Tanks Phase 1- West Region                                      | Mon 1/16/23 | Tue 8/10/27  |      |    |      |      |      |      |
| 147 |                                                                                   |    | CIP.5009104-Rehabilitation of Wastewater Pump Stations Tanks Phase 1- West Region                                 | Tue 1/31/23 | Sat 12/11/27 |      |    |      |      |      |      |
| 148 |                                                                                   |    | CIP.5036006-Rehabilitation Aguadilla Montaña WTP                                                                  | Fri 4/28/23 | Sat 4/8/28   |      |    |      |      |      |      |
| 149 |                                                                                   |    | CIP.5129001-Design & Build Installation of 4" WL Betances Community, Llanos Tuna Ward, Cabo Rojo (FAAST) #NRW #JG | Mon 5/1/23  | Mon 3/9/26   |      |    |      |      |      |      |
| 150 |                                                                                   |    | CIP.5486007-Rehabilitation of Maricao WTP                                                                         | Thu 6/1/23  | Sat 1/8/28   |      |    |      |      |      |      |
| 151 |                                                                                   |    | CIP.5506046-Rehabilitation of Ponce de Leon Mayaguez WTP                                                          | Wed 3/15/23 | Fri 10/22/27 |      |    |      |      |      |      |
| 152 |                                                                                   |    | CIP.5509105-Rehabilitation of Mayaguez Ocean Outfall                                                              | Fri 1/27/23 | Tue 12/21/27 |      |    |      |      |      |      |
| 153 |                                                                                   |  | CIP.5609001-Installation of 12" WL PR-115, Rincón (FAAST)                                                         | Mon 7/31/23 | Mon 5/31/27  |      |  |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID  |  | Task Mode                                                                         | Task Name                                                                                                                                                                                                                                                       | Start       | Finish     | 2019 | 2024                                                                                | 2029 | 2034 | 2039 | 2044 |
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| 154 |                                                                                   |  | Several East Region -Replacement of Water Pipelines at East Region Phase 1 (CIP.3046007- Sumideros Ward, Aguas Buenas; CIP.3136015-Urb. Mirador, Caguas; CIP.3185018-Replacement of 4", Maton Arriba Ward, Calle Jorge Rochi, Cayey; CIP.3185019- PR-1 Km. 61,  | Fri 4/28/23 | Mon 9/1/25 |      |  |      |      |      |      |
| 155 |                                                                                   |  | Several Metro Region -Replacement of Water Pipelines at Metro Region Phase 1 (CIP-1159001-Urb. Loiza Valley, Canóvanas; CIP-1169002-Urb. Villa Fontana, Carolina; CIP-1665120-Urb. Country Club, San Juan; ; CIP-1669101- Urb. Country Club, Carolina; CIP-1019 | Mon 5/1/23  | Sun 3/1/26 |      |  |      |      |      |      |
| 156 |                                                                                   |  | Several South Region -Replacement of Water Pipelines at South Region Phase 1 (CIP.4089001- Buena Vista Sector, Arroyo; CIP.4229003- PR-155 Sector Farallones, Coamo ; CIP.4229004- PR-150 Santa Catalina and San Ildefonso, Coamo; CIP.4319001- Indios Ward, Gu | Mon 5/1/23  | Tue 6/1/27 |      |  |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID  |  | Task Mode                                                                           | Task Name                                                                                                                                                                                                                                                      | Start       | Finish      | 2019 | 2024                                                                                  | 2029 | 2034 | 2039 | 2044 |
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| 157 |                                                                                   |    | Several West Region -Replacement of Water Pipelines at West Region Phase 1 (CIP.5069000-Parcelas Aqlas Aquilino, Añasco; CIP. 5379000-Chevín Sector, Isabela; CIP.5509000- París Ward, Mayaguez ;CIP. 5579003- PR-412, Corea Sector, Rincón;CIP.5609002-Camino | Mon 5/1/23  | Wed 12/1/27 |      |    |      |      |      |      |
| 158 |                                                                                   |    | <b>2024</b>                                                                                                                                                                                                                                                    |             |             |      |                                                                                       |      |      |      |      |
| 159 |                                                                                   |    | CIP.1115018-Rehab PAS Bayamón Panels and Clarifiers Bayamón, PR (FAAST)                                                                                                                                                                                        | Sat 8/31/24 | Wed 12/8/27 |      |    |      |      |      |      |
| 160 |                                                                                   |    | CIP.1155017-Finca Rosso 1 Pump Station Microgrid Bayamón, PR (FEMA-406)                                                                                                                                                                                        | Sun 6/30/24 | Thu 10/7/27 |      |    |      |      |      |      |
| 161 |                                                                                   |    | CIP.1325016-Guaynabo Water Treatment Plant-Microgrid, Guaynabo, PR (FEMA-406)                                                                                                                                                                                  | Sun 3/31/24 | Wed 6/9/27  |      |    |      |      |      |      |
| 162 |                                                                                   |    | CIP.1455017-Carolina Regional WWTP & Torrecillas WWTPas WWTP Microgrid Loiza, PR (FEMA-406)                                                                                                                                                                    | Tue 4/30/24 | Sat 7/10/27 |      |    |      |      |      |      |
| 163 |                                                                                   |    | CIP.1655017-Rehab PAS Puerto Nuevo Panels and Clarifiers San Juan, PR (FAAST)                                                                                                                                                                                  | Fri 8/30/24 | Tue 12/7/27 |      |    |      |      |      |      |
| 164 |                                                                                   |  | CIP.1669003-Rehabilitation of PRASA Main Building (Sede)                                                                                                                                                                                                       | Mon 1/1/24  | Mon 5/4/26  |      |  |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID  |  | Task Mode                                                                           | Task Name                                                                         | Start       | Finish       | 2019 | 2024                                                                                  | 2029 | 2034 | 2039 | 2044 |
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| 165 |                                                                                   |    | CIP.1715016-Sergio Cuevas WTP & Cupey PS Microgrid Trujillo Alto, PR (FEMA-406)   | Fri 5/31/24 | Thu 9/9/27   |      |    |      |      |      |      |
| 166 |                                                                                   |    | CIP.2095016-Barceloneta Regional WWTP Microgrid Barceloneta,PR (FEMA-406)         | Tue 4/30/24 | Sat 4/10/27  |      |    |      |      |      |      |
| 167 |                                                                                   |    | CIP.2425017-Rehabilitación Raw Water Intake Lares Espino WTP Lares, PR (FEMA-406) | Sun 6/30/24 | Mon 12/7/26  |      |    |      |      |      |      |
| 168 |                                                                                   |    | CIP.2555016-Raw Water Intake Sana Muertos Orocovis, PR (FEMA-406) .               | Sun 6/30/24 | Mon 7/3/28   |      |    |      |      |      |      |
| 169 |                                                                                   |    | CIP.2595016-Quebradillas WTP Microgrid Quebradillas, PR (FEMA-406)                | Tue 4/30/24 | Sat 7/10/27  |      |    |      |      |      |      |
| 170 |                                                                                   |    | CIP.3135017-PRASA Central Laboratory, Caguas-Microgrid Caguas, PR (FEMA-406)      | Fri 5/31/24 | Mon 1/10/28  |      |    |      |      |      |      |
| 171 |                                                                                   |    | CIP.3135018-Caguas Norte WTP Microgrid Caguas, PR (FEMA-406)                      | Tue 4/30/24 | Thu 9/9/27   |      |    |      |      |      |      |
| 172 |                                                                                   |    | CIP.3135019-Caguas WWTP Microgrid Caguas, PR (FEMA-406)                           | Tue 4/30/24 | Sat 7/10/27  |      |    |      |      |      |      |
| 173 |                                                                                   |  | CIP.3195016-Cayey Regional WWTP Microgrid Cayey, PR (FEMA-406)                    | Tue 4/30/24 | Sat 7/10/27  |      |  |      |      |      |      |
| 174 |                                                                                   |  | CIP.3239005-Rehabilitation of Comerío WTP (FAAST)                                 | Wed 1/31/24 | Sun 11/14/27 |      |  |      |      |      |      |
| 175 |                                                                                   |  | CIP.3275017-Fajardo Regional WWTP Microgrid Fajardo,PR (FEMA-406)                 | Tue 4/30/24 | Sat 7/10/27  |      |  |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID  |  | Task Mode                                                                          | Task Name                                                                      | Start       | Finish       | 2019 | 2024                                                                                 | 2029 | 2034 | 2039 | 2044 |
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| 176 |                                                                                   |   | CIP.3275019-Fajardo WTP & Dam Microgrid Fajardo, PR (FEMA-406)                 | Tue 4/30/24 | Sat 7/10/27  |      |   |      |      |      |      |
| 177 |                                                                                   |   | CIP.3276053-Rehabilitation of Fajardo WTP                                      | Wed 7/31/24 | Tue 4/25/28  |      |   |      |      |      |      |
| 178 |                                                                                   |   | CIP.3366001-Rehabilitation of Humacao WWTP                                     | Wed 7/31/24 | Thu 6/8/28   |      |   |      |      |      |      |
| 179 |                                                                                   |   | CIP.3535016-Río Blanco WTP Microgrid Naguabo, PR (FEMA-406)                    | Tue 4/30/24 | Wed 6/9/27   |      |   |      |      |      |      |
| 180 |                                                                                   |   | CIP.3615017-El Yunque WTP Microgrid Río Grande, PR (FEMA-406)                  | Tue 4/30/24 | Sat 7/10/27  |      |   |      |      |      |      |
| 181 |                                                                                   |   | CIP.3755016-Vieques WWTP Microgrid Vieques, PR (FEMA-406)                      | Sun 3/31/24 | Wed 6/9/27   |      |   |      |      |      |      |
| 182 |                                                                                   |   | CIP.4009000-Bauta Tunnel (FEMA 404/CDBG-MIT)                                   | Sun 3/31/24 | Thu 4/17/31  |      |   |      |      |      |      |
| 183 |                                                                                   |   | CIP.4016012-Rehabilitation of Adjuntas Guilarte WTP                            | Fri 3/29/24 | Thu 10/14/27 |      |   |      |      |      |      |
| 184 |                                                                                   |   | CIP.4305016-Guayama Regional WWTP Microgrid Guayama, PR (FEMA-406)             | Tue 4/30/24 | Sat 7/10/27  |      |   |      |      |      |      |
| 185 |                                                                                   |   | CIP.4495016-Maunabo WWPS & Guardarraya WWPS Microgrid Maunabo, PR (FEMA-406) . | Tue 4/30/24 | Sat 7/10/27  |      |   |      |      |      |      |
| 186 |                                                                                   |   | CIP.4585018-Ponce Regional WWTP Microgrid Ponce, PR (FEMA-406)                 | Tue 4/30/24 | Sat 7/10/27  |      |   |      |      |      |      |
| 187 |                                                                                   |  | CIP.4685016-Santa Isabel WWTP Microgrid Santa Isabel, PR (FEMA-406)            | Sun 3/31/24 | Sat 7/10/27  |      |  |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID  |  | Task Mode                                                                           | Task Name                                                                                    | Start       | Finish       | 2019 | 2024                                                                                  | 2029 | 2034 | 2039 | 2044 |
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| 188 |                                                                                   |    | CIP.5035016-Río Culebrinas Raw Water Intake/Dam Microgrid Aguadilla, PR (FEMA-406)           | Fri 5/31/24 | Sun 10/10/27 |      |    |      |      |      |      |
| 189 |                                                                                   |    | CIP.5035017-Calero Reservoir Dam (Calero Raw Water PS) Microgrid Aguadilla, PR (FEMA-406)    | Sun 6/30/24 | Thu 9/9/27   |      |    |      |      |      |      |
| 190 |                                                                                   |    | CIP.5065016-Río Añasco Raw Water Pump Station Microgrid Añasco, PR (FEMA-406)                | Fri 5/31/24 | Thu 9/9/27   |      |    |      |      |      |      |
| 191 |                                                                                   |    | CIP.5066000-Casey Reservoir (Proposed 406)                                                   | Wed 7/31/24 | Fri 6/3/33   |      |    |      |      |      |      |
| 192 |                                                                                   |    | CIP.5089000-Rehabilitation of Las Marías WWTP (FAAST-25)                                     | Tue 4/30/24 | Wed 3/15/28  |      |    |      |      |      |      |
| 193 |                                                                                   |    | CIP.5375018-Isabela Urbana WTP Microgrid Isabela, PR (FEMA-406)                              | Sun 6/30/24 | Thu 9/9/27   |      |    |      |      |      |      |
| 194 |                                                                                   |    | CIP.5485005-Rehabilitation of Orama Maricao RWI (Proposed 406)                               | Sun 3/31/24 | Sun 8/15/27  |      |    |      |      |      |      |
| 195 |                                                                                   |    | CIP.5485016-Monte del Estado WTP Microgrid Maricao, PR (FEMA-406)                            | Sun 3/31/24 | Wed 6/9/27   |      |    |      |      |      |      |
| 196 |                                                                                   |  | CIP.5505016-Mayaguez WWTP & Mayaguez Sludge Compos Fmpos Facility Microgrid Mayaguez, PR(FEM | Sun 3/31/24 | Wed 6/9/27   |      |  |      |      |      |      |
| 197 |                                                                                   |  | CIP.5505017-Ponce de León WTP Microgrid Mayaguez, PR (FEMA-406)                              | Tue 4/30/24 | Sun 7/11/27  |      |  |      |      |      |      |
| 198 |                                                                                   |  | CIP.6000050-Rehabilitation of Remote Reading Meter Warehouse (FAAST)                         | Sat 8/31/24 | Mon 3/9/26   |      |  |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |



| ID  |  | Task Mode                                                                          | Task Name                                                                                                                                                                                                     | Start        | Finish       | 2019 | 2024                                                                                 | 2029 | 2034 | 2039 | 2044 |
|-----|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|------|--------------------------------------------------------------------------------------|------|------|------|------|
| 209 |                                                                                   |   | Several North Region -Replacement of Water Pipelines at North Region Phase 1(CIP-2071001 La Pica, El Peje and Sabana Hoyos, Vega Alta; CIP-2389001-Tetuan III , Jayuya; CIP-2479000 Sector Boquillas,Manatí.) | Fri 8/29/25  | Mon 9/1/25   |      |   |      |      |      |      |
| 210 |                                                                                   |   | <b>2026</b>                                                                                                                                                                                                   |              |              |      |                                                                                      |      |      |      |      |
| 211 |                                                                                   |   | CIP.2386048-Elimination of Jayuya La Pica WTP and RWI                                                                                                                                                         | Wed 12/16/26 | Sat 12/29/29 |      |   |      |      |      |      |
| 212 |                                                                                   |   | CIP.3056002-Rehabilitation of Aibonito WWTP (FAAST)                                                                                                                                                           | Sat 11/21/26 | Tue 12/4/29  |      |   |      |      |      |      |
| 213 |                                                                                   |   | CIP.3185033-Rehabilitation of Cayey WWTP (FAAST-25)                                                                                                                                                           | Sun 2/1/26   | Fri 1/25/30  |      |   |      |      |      |      |
| 214 |                                                                                   |   | CIP.5686045-Rehabilitation of San Sebastian WTP and RWI                                                                                                                                                       | Fri 3/27/26  | Mon 4/9/29   |      |   |      |      |      |      |
| 215 |                                                                                   |   | <b>2027</b>                                                                                                                                                                                                   |              |              |      |                                                                                      |      |      |      |      |
| 216 |                                                                                   |   | CIP.1156005-Rehabilitation of Canóvanas Nueva WTP and RWI                                                                                                                                                     | Sun 1/10/27  | Sat 1/18/31  |      |   |      |      |      |      |
| 217 |                                                                                   |   | CIP.2545006-Rehabilitation of Naranjito WWTP                                                                                                                                                                  | Sat 4/10/27  | Wed 10/30/30 |      |   |      |      |      |      |
| 218 |                                                                                   |   | CIP.3105032-Rehabilitation of Barranquitas WWTP (FAAST)                                                                                                                                                       | Tue 3/16/27  | Fri 3/29/30  |      |   |      |      |      |      |
| 219 |                                                                                   |  | CIP.3466005-Rehabilitation of Luquillo-Sabana WTP                                                                                                                                                             | Thu 2/4/27   | Sun 2/17/30  |      |  |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 |  | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         |  | Split              |  | Manual Task           |  | External Milestone |  |
|                                         |  | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         |  | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         |  | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         |  | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         |  | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID  |  | Task Mode                                                                           | Task Name                                                                               | Start       | Finish       | 2019 | 2024                                                                                  | 2029 | 2034 | 2039 | 2044 |
|-----|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------|--------------|------|---------------------------------------------------------------------------------------|------|------|------|------|
| 220 |                                                                                   |    | CIP.5067002-Improvements to Water System Community Del Hoyo de los Feos, Añasco (FAAST) | Mon 3/1/27  | Fri 7/27/29  |      |    |      |      |      |      |
| 221 |                                                                                   |    | CIP.5376006-Rehabilitation of Isabela Urbana WTP and RWI                                | Wed 5/5/27  | Sun 11/24/30 |      |    |      |      |      |      |
| 222 |                                                                                   |    | CIP.5636006-Rehabilitation of Sabana Grande WTP and RWI                                 | Sun 2/14/27 | Wed 2/27/30  |      |    |      |      |      |      |
| 223 |                                                                                   |    | CIP.5656001-Rehabilitation of Caín Alto San Germán WTP and RWI                          | Wed 9/1/27  | Sun 1/12/31  |      |    |      |      |      |      |
| 224 |                                                                                   |    | CIP.6009102-Water Meters Islandwide LS Project (FAAST)                                  | Mon 3/1/27  | Thu 9/28/28  |      |    |      |      |      |      |
| 225 |                                                                                   |    | <b>2028</b>                                                                             |             |              |      |                                                                                       |      |      |      |      |
| 226 |                                                                                   |    | CIP.1009104-Rehabilitation of Wastewater Pump Stations Tanks Phase 1- Metro Region      | Mon 5/1/28  | Sun 7/25/32  |      |    |      |      |      |      |
| 227 |                                                                                   |    | CIP.1666090-Improvements to La Plata Dam-Installation of Anchors                        | Mon 5/1/28  | Thu 10/9/31  |      |    |      |      |      |      |
| 228 |                                                                                   |    | CIP.1705002-Rehabilitation of Bo. Sabana Seca TS, Toa Baja                              | Mon 5/1/28  | Thu 2/27/31  |      |    |      |      |      |      |
| 229 |                                                                                   |    | CIP.1705003-Rehabilitation of Urb. Levittown TS, Toa Baja (FAASt)                       | Mon 5/1/28  | Wed 3/7/29   |      |    |      |      |      |      |
| 230 |                                                                                   |    | CIP.2076044-MCC installation at EBTK Half a Million (FAAST).                            | Mon 5/1/28  | Wed 10/3/29  |      |    |      |      |      |      |
| 231 |                                                                                   |  | CIP.2269002-Elimination of Several WWTP North Region (FAASt 406)                        | Mon 5/1/28  | Thu 12/29/33 |      |  |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID  |  | Task Mode                                                                          | Task Name                                                                                    | Start      | Finish       | 2019 | 2024                                                                                 | 2029 | 2034 | 2039 | 2044 |
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| 232 |                                                                                   |   | CIP.3009101-Rehabilitación de Tanques Fase 2 - Este (FAAST) (Inactivo) .                     | Mon 5/1/28 | Tue 3/5/30   |      |   |      |      |      |      |
| 233 |                                                                                   |   | CIP.3135010-Caguas-Elimination of PAS Borinquen,Laterales Villa Sauri y 5 EBAS (Villa Caliz) | Sat 7/1/28 | Mon 8/4/31   |      |   |      |      |      |      |
| 234 |                                                                                   |   | CIP.3136009-Improvements to the Water Supply System in Villa del Rey Ward in Caguas (FAAST). | Mon 5/1/28 | Wed 10/3/29  |      |   |      |      |      |      |
| 235 |                                                                                   |   | CIP.3449002-Rehabilitation of WPS Represa La Sabana Cuesta Los Jobos                         | Mon 5/1/28 | Tue 4/15/31  |      |   |      |      |      |      |
| 236 |                                                                                   |   | CIP.3789001-Rehabilitation of WPS Represa Central Roig                                       | Mon 5/1/28 | Wed 3/26/31  |      |   |      |      |      |      |
| 237 |                                                                                   |   | CIP.4009101-Rehabilitation of Tanks Phase 2-South Region                                     | Mon 5/1/28 | Sat 9/28/30  |      |   |      |      |      |      |
| 238 |                                                                                   |   | CIP.4317001-Construction Sector Ballinó Guayanilla WPS (FAAST)                               | Mon 5/1/28 | Sun 12/2/29  |      |   |      |      |      |      |
| 239 |                                                                                   |   | CIP.4555022-Rehabilitation of Orocovis WWTP (FAAST-25)                                       | Tue 2/1/28 | Mon 11/17/31 |      |   |      |      |      |      |
| 240 |                                                                                   |   | CIP.4576008-Rehabilitation of Wastewater Lines Urb. Alturas de Peñuelas                      | Mon 5/1/28 | Sat 8/4/29   |      |   |      |      |      |      |
| 241 |                                                                                   |  | CIP.4796005-Rehabilitation Yauco Rancheras WTP                                               | Mon 5/1/28 | Fri 9/12/31  |      |  |      |      |      |      |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID  |  | Task Mode                                                                           | Task Name                                                                         | Start       | Finish       | 2019 | 2024                                                                                | 2029                                                                                 | 2034 | 2039 | 2044 |
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| 242 |                                                                                   |    | CIP.5506042-Improvements to the Water Supply System in Mayaguez Mall (FAAST)      | Mon 5/1/28  | Sun 1/5/31   |      |  |                                                                                      |      |      |      |
| 243 |                                                                                   |    | CIP.5685001-EBAS Improvements Chinito Rondón (Energize the EBAS) (FAAST) .        | Mon 5/1/28  | Fri 1/25/30  |      |  |                                                                                      |      |      |      |
| 244 |                                                                                   |    | CIP.5685004-Rehabilitation of San Sebastián WWTP (FAAST-25)                       | Tue 5/30/28 | Thu 7/3/31   |      |  |                                                                                      |      |      |      |
| 245 |                                                                                   |    | CIP.6009007-Rehabilitation to PRASA Buildings Islandwide LS Project               | Sat 1/1/28  | Sat 9/1/35   |      |  |                                                                                      |      |      |      |
| 246 |                                                                                   |    | CIP.6009008-Projects Pending to Defined LS Project (FAAST)                        | Wed 3/1/28  | Sun 7/1/35   |      |  |                                                                                      |      |      |      |
| 247 |                                                                                   |    | CIP.6009012-Telemetry Islandwide LS Project (FAAST)                               | Wed 3/1/28  | Sun 7/1/35   |      |  |                                                                                      |      |      |      |
| 248 |                                                                                   |    | CIP.7688000-Elimination of Los Alamos WWPS San Sebastian                          | Mon 5/1/28  | Fri 9/27/30  |      |  |                                                                                      |      |      |      |
| 249 |                                                                                   |    | <b>2032</b>                                                                       |             |              |      |                                                                                     |                                                                                      |      |      |      |
| 250 |                                                                                   |    | CIP.2076041-Rehabilitation of Arecibo Urbano WTP                                  | Wed 3/31/32 | Mon 8/27/35  |      |                                                                                     |   |      |      |      |
| 251 |                                                                                   |    | CIP.3136014-Elimination of PAS Parcealas Borinquen Caguas , PR (FEMA-406) (PL-36) | Mon 3/1/32  | Thu 3/15/35  |      |                                                                                     |   |      |      |      |
| 252 |                                                                                   |   | CIP.4795022-Rehabilitation of Yauco WWTP (FAAST)                                  | Mon 4/5/32  | Fri 10/26/35 |      |                                                                                     |  |      |      |      |
| 253 |                                                                                   |  | <b>2043</b>                                                                       |             |              |      |                                                                                     |                                                                                      |      |      |      |

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|-----------------------------------------|--------------------|-------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------|
| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |

| ID  |  | Task Mode                                                                         | Task Name                                                                                            | Start      | Finish      | 2019 | 2024 | 2029 | 2034 | 2039 | 2044                                                                                |
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| 254 |                                                                                   |  | CIP.1669002-Rehabilitation of WPS of Puerto Nuevo and WL of 48", Municipality of San Juan (Inactive) | Sun 5/3/43 | Tue 1/1/47  |      |      |      |      |      |  |
| 255 |                                                                                   |  | <b>2045</b>                                                                                          |            |             |      |      |      |      |      |                                                                                     |
| 256 |                                                                                   |  | CIP.3009204-Rehabilitation EBAS Phase 2 - East (FAAST) Inactive .                                    | Sun 1/1/45 | Mon 3/11/47 |      |      |      |      |      |  |
| 257 |                                                                                   |  | CIP.4009204-Rehabilitation of Wastewater Pump Stations Tanks Phase 2- South Region                   | Sun 1/1/45 | Tue 1/1/47  |      |      |      |      |      |  |

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| Project: Workplan 14<br>Date: 10/7/2024 | Task               |  | Inactive Summary      |  | External Tasks     |  |
|                                         | Split              |  | Manual Task           |  | External Milestone |  |
|                                         | Milestone          |  | Duration-only         |  | Deadline           |  |
|                                         | Summary            |  | Manual Summary Rollup |  | Progress           |  |
|                                         | Project Summary    |  | Manual Summary        |  | Manual Progress    |  |
|                                         | Inactive Task      |  | Start-only            |  |                    |                                                                                       |
|                                         | Inactive Milestone |  | Finish-only           |  |                    |                                                                                       |