

Update

💧 **CS-272: Capital Improvement Program Delivery**

Contract Summary

💧 **10 Interrelated CIP Tasks**

💧 **Goal to improve CIP Execution**

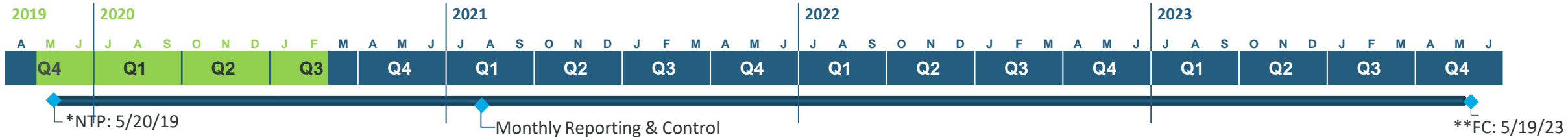
💧 **\$54,934,034.00**

💧 **Duration – 4 Years**

💧 **Contract Executed -17 May 2019**

CS-272: Capital Improvement Program Delivery

GLWA FISCAL YEAR



Key Progress

- Presented proposed Program Management Plan (PMP) structure and approach to GLWA Leadership at Workshop January 30
- Presented Recommendation on CIP Project Management Model (Delivery Model) to GLWA on February 14, 2020
- Recommendation on CIP PMO Governance (structure and location) to GLWA Leadership on February 28
- Business Process Improvements- Recommendation Phase Underway
- Provided Change Impact Outcomes Report to GLWA
- Working on a Pilot Test of Proposed WBS for the IMS
- Conducted Workshops with Water and Wastewater to review first year's CIP Validation And outline Validation Plan for Year 2
- Developed a Proposal to Prepare a Basis of Design (BOD) Report for the Oakwood District Intercommunity Relief Sewer



Budget/Schedule

Contract Duration 1,461 Calendar Days
285 Calendar Days since NTP
 (as of February 28, 2020)

19.5 % Time Elapsed

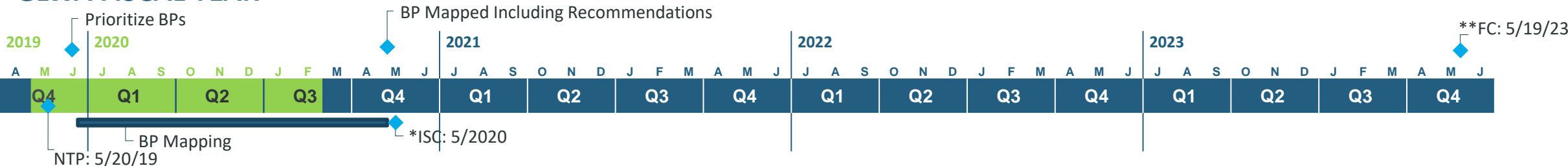
Total
\$54,934,034

Spent to Date
\$4,890,695 = 8.9%

Task 1: CIP Business Process Improvements

Lump Sum Task

GLWA FISCAL YEAR



Key Progress

- 100% of As-is Business Process Workflow Mapped. Final review by Business Units is Underway
- Business Process Improvement Recommendations are Rolling Out
- Presented Recommendation on CIP Project Management Model (Delivery Model) to GLWA on February 14, 2020



Budget

Total
\$1,043,816

Spent to Date
\$597,472 = 57.2%



Schedule

Estimated 378 Calendar Days
285 Calendar Days since NTP
(as of February 28, 2020)

75.4% Time Elapsed



Testimonial

from an Engagement Team Member

A GLWA Team Member stopped me in the hallway to say thank you. They said that they recognize what we (Plante Moran Cresa) do is a thankless job, but they wanted me to know how much they, as a newer employee (less than 5 years), appreciates what we are doing.

They said they're learning a lot by attending these workshops and they are excited to see standards being created. They know how helpful these standards will be to them and future employees of GLWA.



Task 01 – Business Process Improvement Phases



Recommendation:

- Identify Areas for Workflow Improvement and Efficiencies
 - Sequencing
 - Technology
 - Formalizing
 - Documenting Expectation
- Present Recommendations- Enhanced and New (Workshop)
- Include Multiple Groups and Functions (Workshop)

PROCESS: Project Management Delivery Model (Hand-Off)

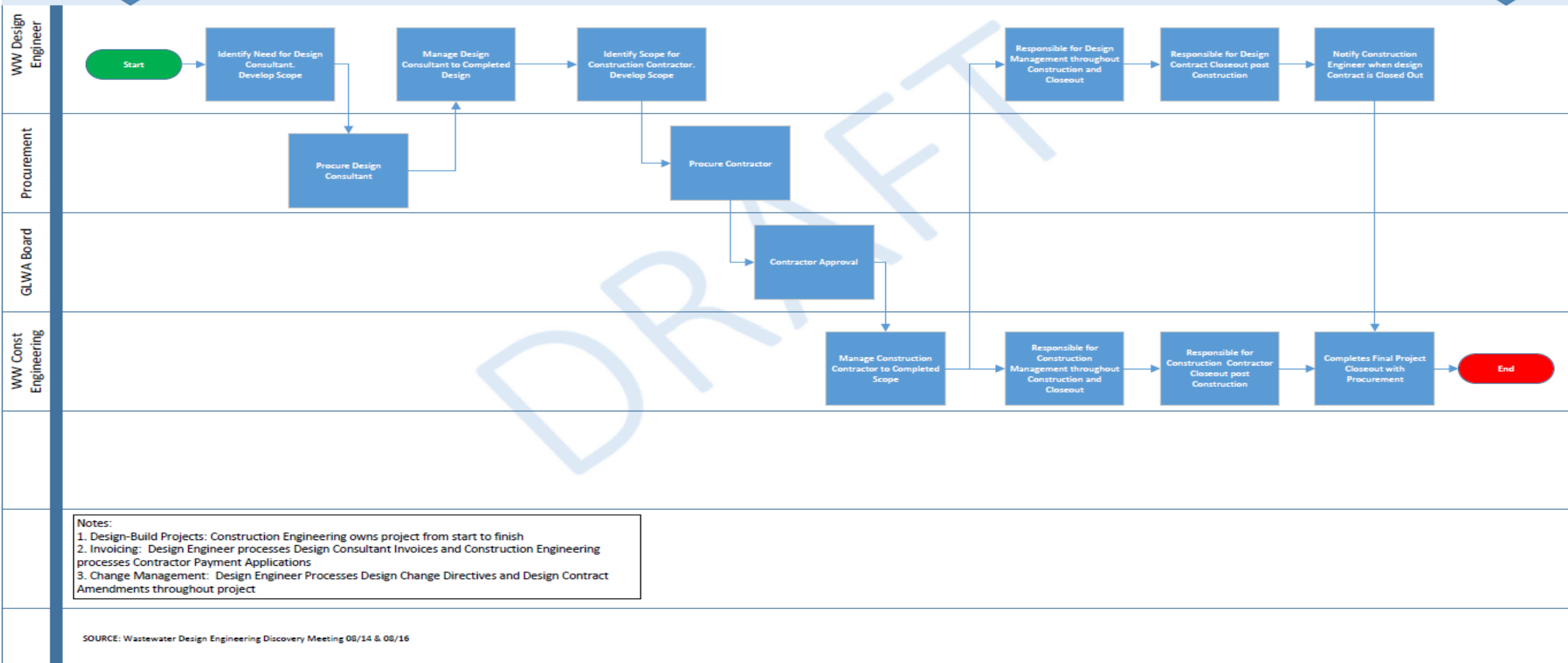
GROUP: Wastewater Design Engineering

DATE: 10/24/19- For AECOM Review

TIME:

START

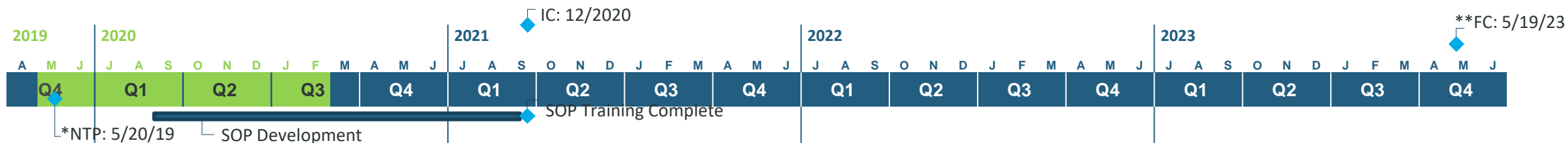
FINISH



Task 2: CIP Delivery Standard Operating Procedure (SOP) Development

Lump Sum Task

GLWA FISCAL YEAR



Key Progress

- Presented proposed Program Management Plan (PMP) structure and approach to GLWA Leadership at Workshop January 30
- Supported Task 1 with Recommendation on CIP Project Mgt Model (Delivery Model) to GLWA Leadership February 14
- Supported Task 3 with Recommendation on CIP PMO Governance (structure and location) to GLWA Leadership on February 28



Budget

Total
\$1,181,756

Spent to Date
\$39,293 = 3.3%



Schedule

Estimated 577 Calendar Days
285 Calendar Days since NTP
(as of February 28, 2020)

49.4% Time Elapsed

Task 02 – Program Management Plan/SOP Development



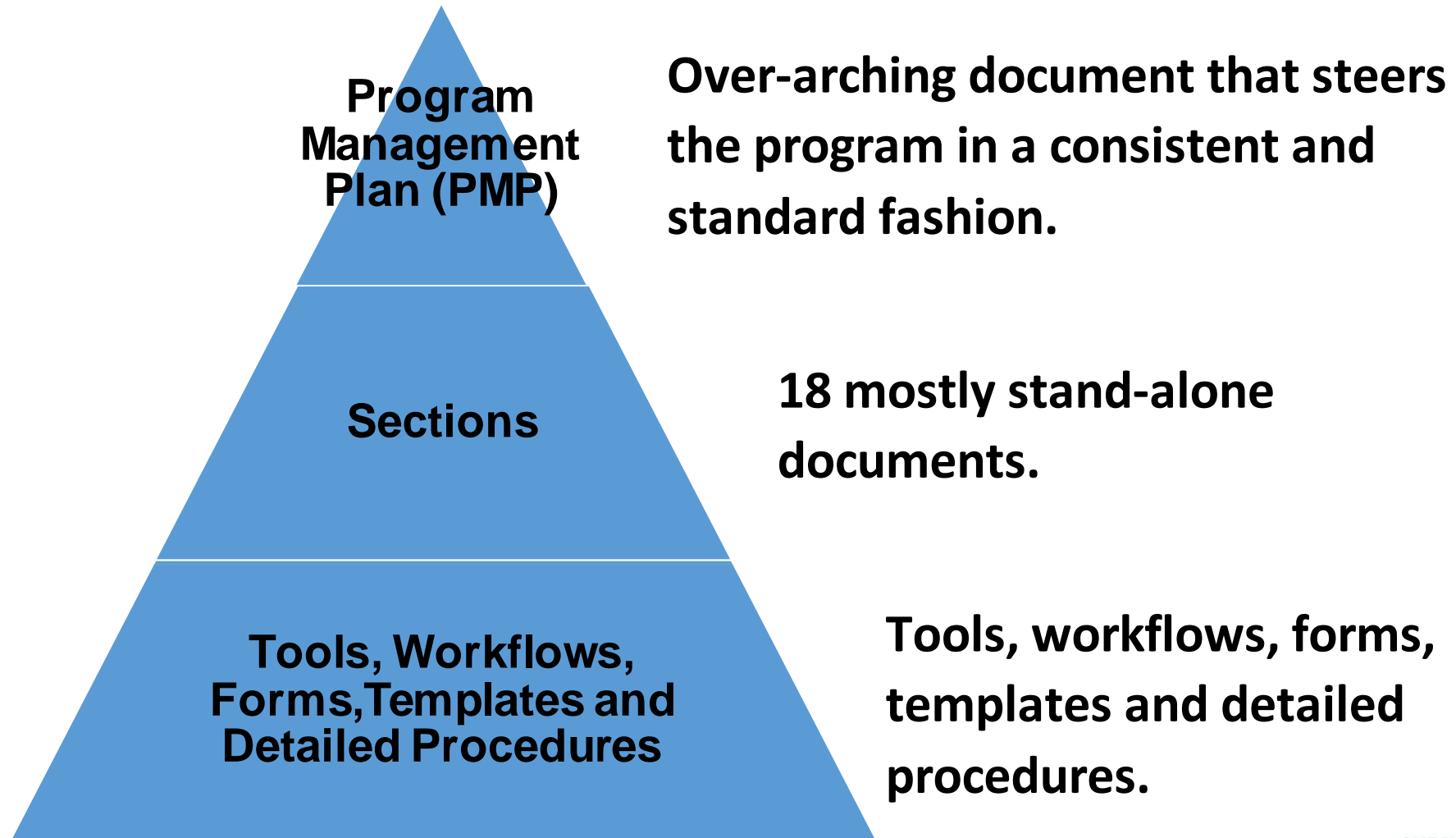
PMP/SOP's:

- Formally Document Processes
 - Program Management Plan (PMP)
 - Standard Operating Procedures (SOP)
- Attach Templates, Forms and Other Tools
- Provides for Quality and Consistency
 - Internal
 - External
 - CIP Throughput
 - CIP Team Growth

Training/Roll-out:

- Train Team Members on New/Modified CIP Business Processes
- Abbreviated Roll-Out for Selected Processes
- RFI/Submittal Process (Real-Time Example)

Guidance Document/PMP



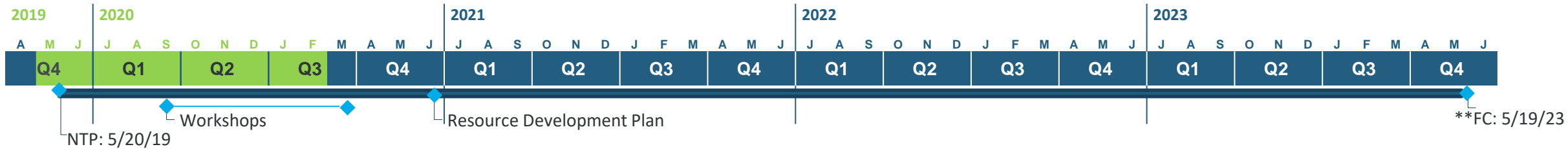
CIP Delivery PMO Role Profiles



Task 3: CIP Delivery Resource Evaluation

Lump Sum Task

GLWA FISCAL YEAR



Key Progress

- Conducted PMO Governance Workshop on 2/14
- Provided Change Impact Outcomes Report to GLWA
- Continued Change Leadership and Focus Group Forums
- Working on the Resource Development Plan



Budget

Total

\$676,847

Spent to Date

\$391,725 = 57.9%



Schedule

Estimated 1,461 Calendar Days
85 Calendar Days since NTP
 (as of February 28, 2020)

19.5 % Time Elapsed

What Is In A Resource Development Plan?

A

**CURRENT
STRENGTHS**

B

**FULL TIME
EQUIVALENTS
(FTES)**

C

**TRAINING
APPROACH**

D

**TEAM
STRUCTUR
E**

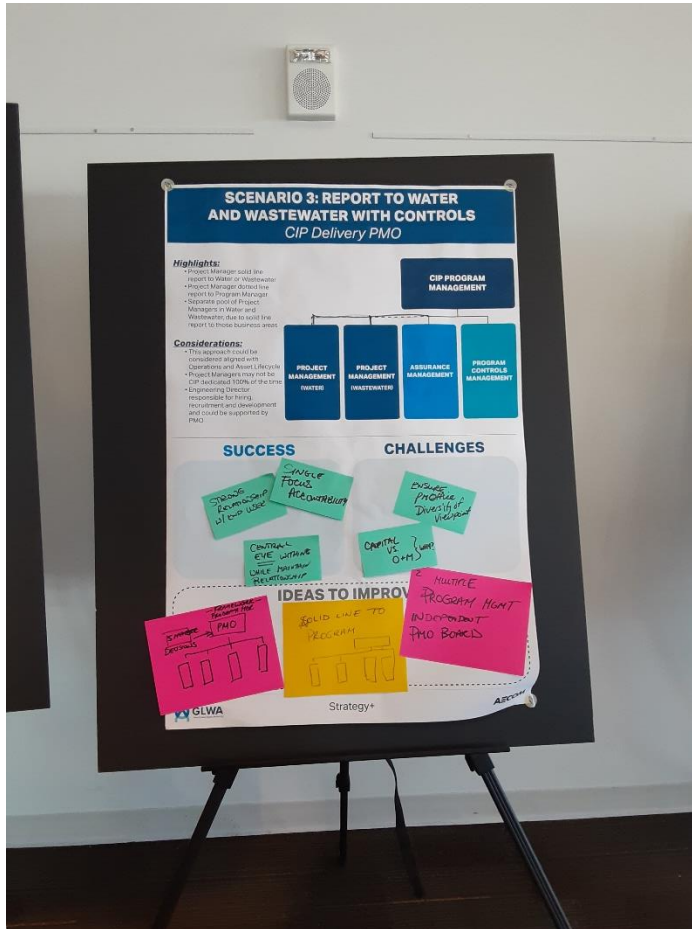
E

**POSITION
REQUIREMENT
S**

F

**SUGGESTED
MODIFICATIONS**

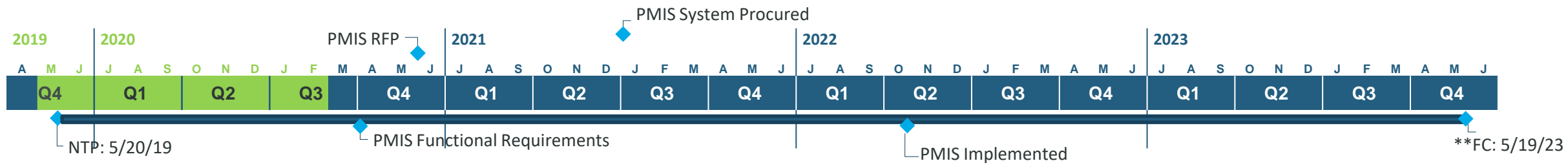
PMO Governance Workshop – 2/14/20



Task 4: Project Management Information System (PMIS) Selection & Implementation

Lump Sum Task

GLWA FISCAL YEAR



Key Progress

- Data Gathering
- Met with IT, Procurement, Engineering, and CIP Team Members to Establish Baseline Requirements for:
 - Software Procurement Approach
 - Standard Practices and Templates for Procurement Documents
 - Core Functional Requirements for the future PMIS



Budget

Total
\$1,493,744

Spent to Date
\$126,968 = 8.5%



Schedule

Estimated 1,461 Calendar Days
285 Calendar Days since NTP
 (as of February 28, 2020)

19.5 % Time Elapsed

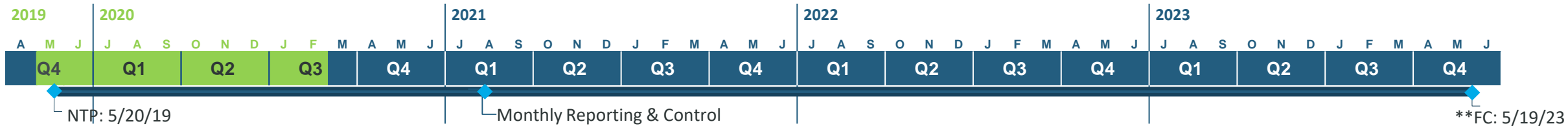
From Program Management Plan (PMP) to Program Management Information System (PMIS)



Task 5: Project Controls & Reporting Support

Time & Materials

GLWA FISCAL YEAR



Key Progress

- Identified top ten projects behind planned spending
- Setting up monthly status meetings with engineering and procurement to identify projects that can be expedited
- Working on a Pilot Test of Proposed WBS for the IMS



Budget

Total

\$12,717,034

Spent to Date

\$2,477,825 = 19.4%



Schedule

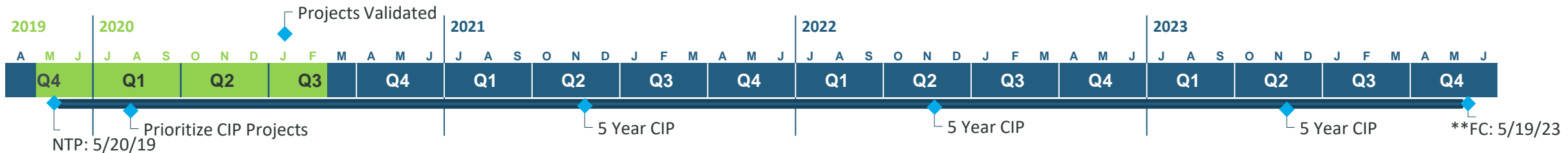
Estimated 1,461 Calendar Days
285 Calendar Days since NTP
(as of February 28, 2020)

19.5 % Time Elapsed

Task 6: CIP Validation

Lump Sum Task

GLWA FISCAL YEAR



Key Progress

- Continued review of 2021-2025 CIP BCEs and BCE Database
- Conducted Workshops with Water and Wastewater to review first year's CIP Validation And outline Validation Plan for Year 2
- Ongoing discussions with Water Group for active project statuses
- Review of current Integrated Master Schedule



Budget

Total
\$2,381,024

Spent to Date
\$471,256 = 19.8%



Schedule

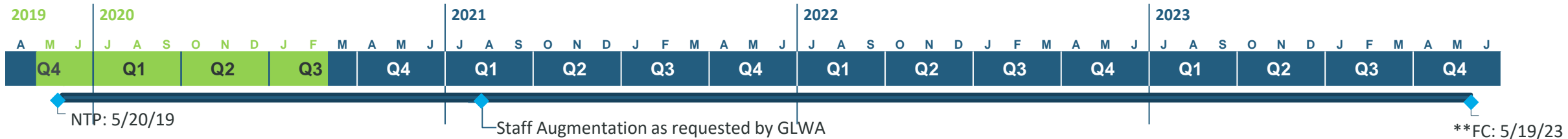
Estimated 1,461 Calendar Days
285 Calendar Days since NTP
(as of February 28, 2020)

19.5 % Time Elapsed

Task 7 & 9: Staff Augmentation

Time & Materials

GLWA FISCAL YEAR



Key Progress

- Completed Long Term Control Plan RFP
- Provided Recommendations for D/B 150 Raw Water Intake Raw Water Project
- Submitted Scope of Work for WRRF Pilot Research Plant
- Provided Engineering, Inspection, and CADD Resources as Requested



Budget

Total Task 7
\$31,459,764
Spent to Date
\$760,122 = 2.4%

Total Task 9
\$1,534,586
Spent to Date
\$6,855 = 0.5%



Schedule

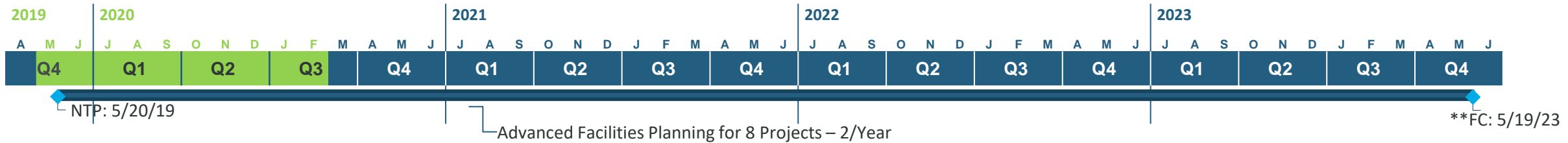
Estimated 1,461 Calendar Days
285 Calendar Days since NTP
 (as of February 28, 2020)

19.5 % Time Elapsed

Task 8: Advanced Facilities Planning (AFP)

Lump Sum Task

GLWA FISCAL YEAR



Key Progress

- Developed a Proposal to Prepare a Basis of Design (BOD) Report for the Oakwood District Intercommunity Relief Sewer



Budget

Total
\$2,006,563

Spent to Date
\$70,066 = 3.5%



Schedule

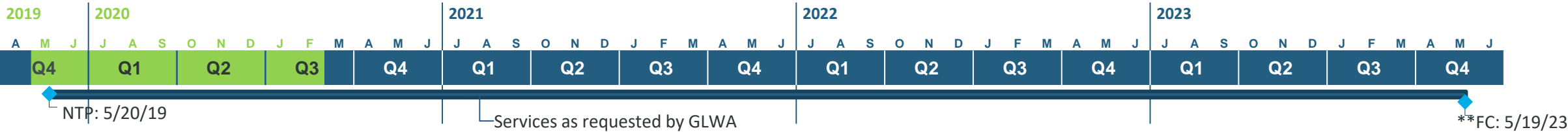
Estimated 1,461 Calendar Days
285 Calendar Days since NTP
(as of February 28, 2020)

19.5 % Time Elapsed

Task 10: Enterprise-wide Energy Optimization and Sustainability Planning

Lump Sum Task

GLWA FISCAL YEAR



Key Progress

- Not started

Budget

Total

\$438,900

Spent to Date

\$0

Schedule

Estimated 1,461 Calendar

285 Calendar Days since NTP

(as of February 28, 2020)

19.5 % Time Elapsed



Questions



GLWA

Great Lakes Water Authority

