



Engineering, Operations, & Technology Committee

Update on Alternative Project Delivery Methods

Item 6a

July 13, 2026

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Subject

Update on Alternative Project Delivery Methods

Purpose

Provide a high-level overview of Metropolitan's construction delivery methods, including Alternative Project Delivery (APD)

Next Steps

Upcoming board actions for projects using APD

Update on Alternative Project Delivery Methods

Traditional Design-Bid- Build

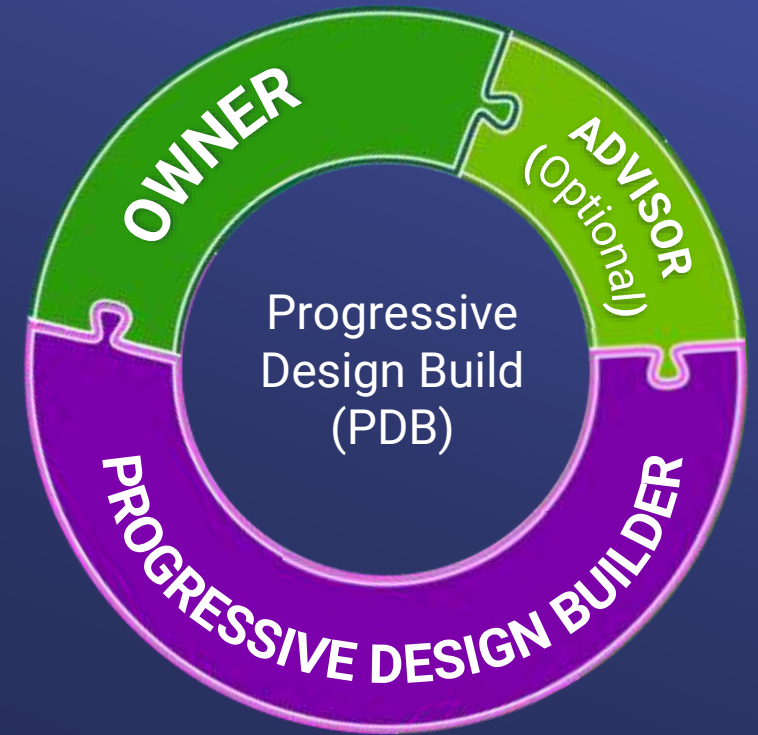
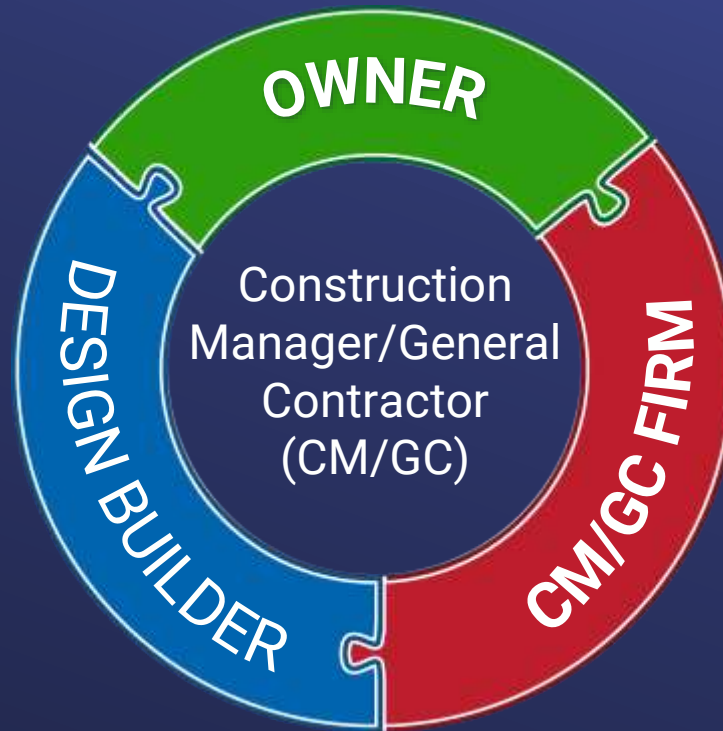
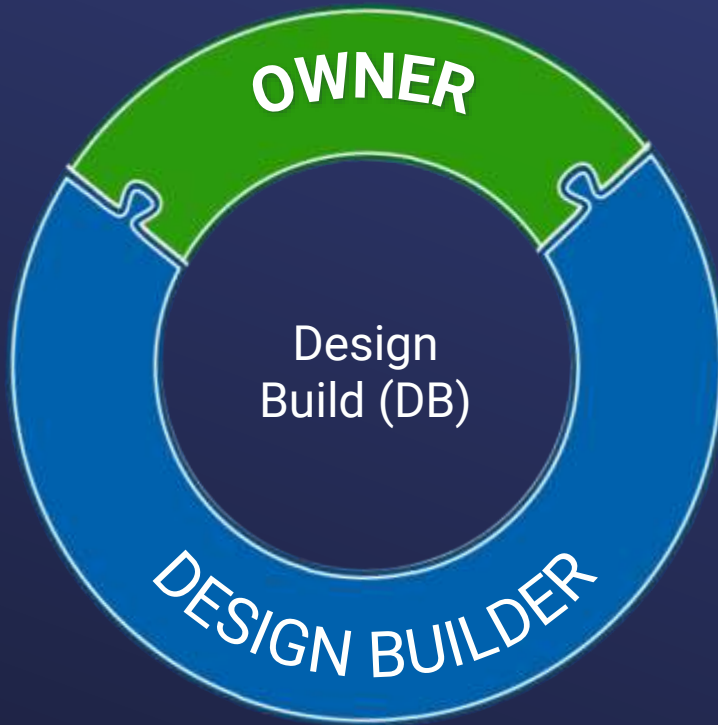
- Use of Design-Bid Build (DBB) is codified under the Public Contract Code (PCC) - Contracting by Local Agencies
- Most common delivery method
- Design performed by Metropolitan or a consultant
- Final package is solicited for bid
- Award contract to the lowest responsive and responsible bidder
- Delivery method is well understood & has been used for decades to deliver public works construction

Legislative Authority

- Recent Legislative Authority
 - Metropolitan Water District Alternative Project Delivery Program (AB 1845 – 2023)
 - Local Agency Progressive Design-Build Contracting (SB 991 – 2023)
 - Local Agency Design-Build Contracting (SB 706 – 2024)

Alternative Project Delivery Methods

Collaborative Relationships Emerge





Design Build

Overview

Design Build (DB) merges the design & construction components of a project with limited or no owner input

Process

- Two-stage process
- Shortlisted DBEs based on RFQ process
- Metropolitan can select based on low bid or best value
- Fixed price contract executed with DBE
- Very little to no owner collaboration during design

Update on Alternative Project Delivery Methods



Construction Manager/ General Contractor

Overview

Construction Manager/General Contractor (CMAR) facilitates a collaborative relationship between Metropolitan & the CM/GC

Delivery Process

- Qualifications-based selection
- Metropolitan leads the project design
- CM/GC provides constructability inputs during design
- CM/GC performs preconstruction activities & procures long-lead equipment
- Metropolitan negotiates a GMP or fixed price contract
- Offramp if negotiations are not successful

Update on Alternative Project Delivery Methods

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Progressive Design Build

Overview

Progressive Design Build (PDB) facilitates a collaborative relationship between Metropolitan & the Design-build Entity (DBE)

Delivery Process

- Qualifications-based selection
- Authorize Phase 1 design agreement
- Metropolitan collaborates with the DBE to develop a project scope, budget & schedule
- Negotiate Phase 2 construction contract at GMP
- Off-ramp if negotiations are not successful



Benefits of PDB and CM/GC

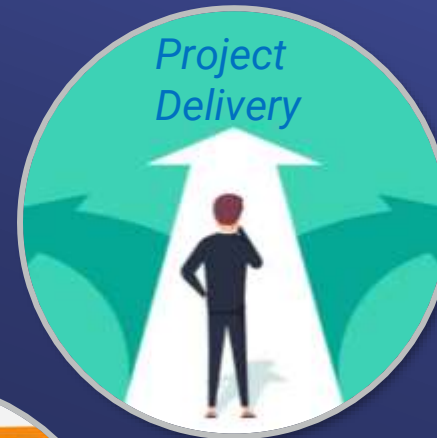
Early Operations
Collaboration



Early Equipment Purchase



Multiple Decision
Alternatives



Early Coordination with
Permit & Utility Agencies



Separate
Work Packages & GMPs

SUBTOTAL					
Item	Unit	Quantity	Unit Price	Amount	Notes
02000	Verde Deposition	1.000	1.000	1.000	
02002	Dense Existing Surface Features	1.000	1.000	1.000	

GMP Open Book
Transparency

Metropolitan PDB Practices

- Qualifications-based selection of DBE through an RFQ
- PDB consists of two phases, each requiring board approval
- **Phase One - Design prior to GMP**
 - DBE advances design collaboratively with Metropolitan to produce a 70% design package
 - May include early equipment purchase
 - Establish GMP & seek board approval
- **Phase Two - Construction**
 - Upon board approval, DBE starts construction while finishing design

Sepulveda Feeder Pump Stations

- Improves drought mitigation & supply redundancy
- Project 1 – 30 cfs
 - Status: PDB contract underway
 - Design: Spring 2024
 - GMP 1: Venice PS - Construction (42% complete)
 - GMP 2: Sepulveda PS & Slope - Summer 2026
 - Designed to accommodate future expansion
 - Completion: 2030
- Project 2 – 160 cfs
 - Project 2 is being evaluated under CAMP4W



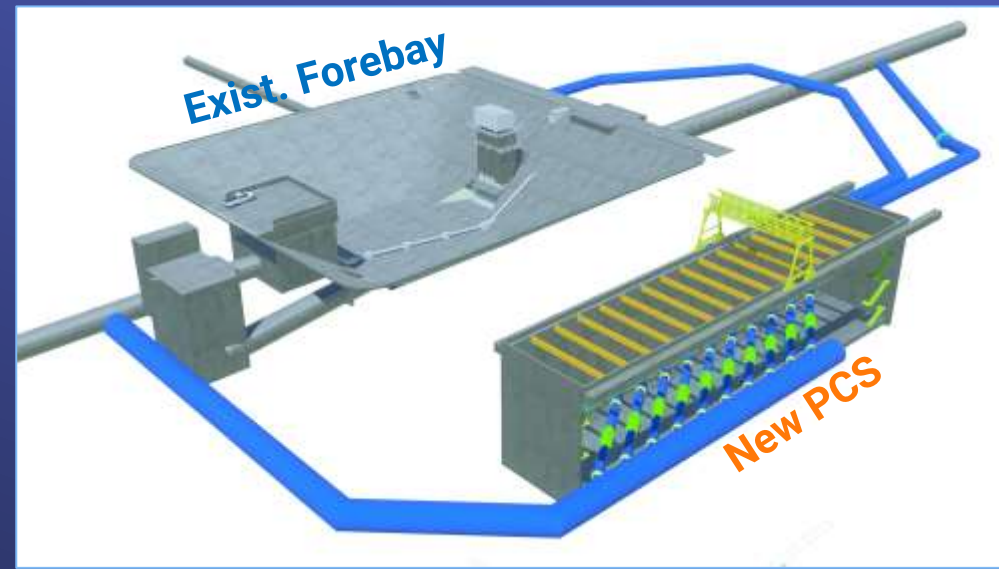
Venice PS Construction (June 2026)



Sepulveda PS w/Slope Stabilization

Lake Mathews Facilities Upgrade

- New Pressure Control Structure
 - Upgrades deteriorated fixed cone valves
 - Increases delivery redundancy
- Electrical System Upgrade
 - Provides more reliable & maintainable electrical system with improved redundancy
- Status
 - Issued RFQ & completed evaluation
 - Negotiating with the selected team
 - Plan for board award of PDB Phase One in Summer 2026



3D View of New PCS



New PCS & Electrical Upgrades

Mills Plant
Control System
Upgrade
PDB

Future RFQ – Mills Control System

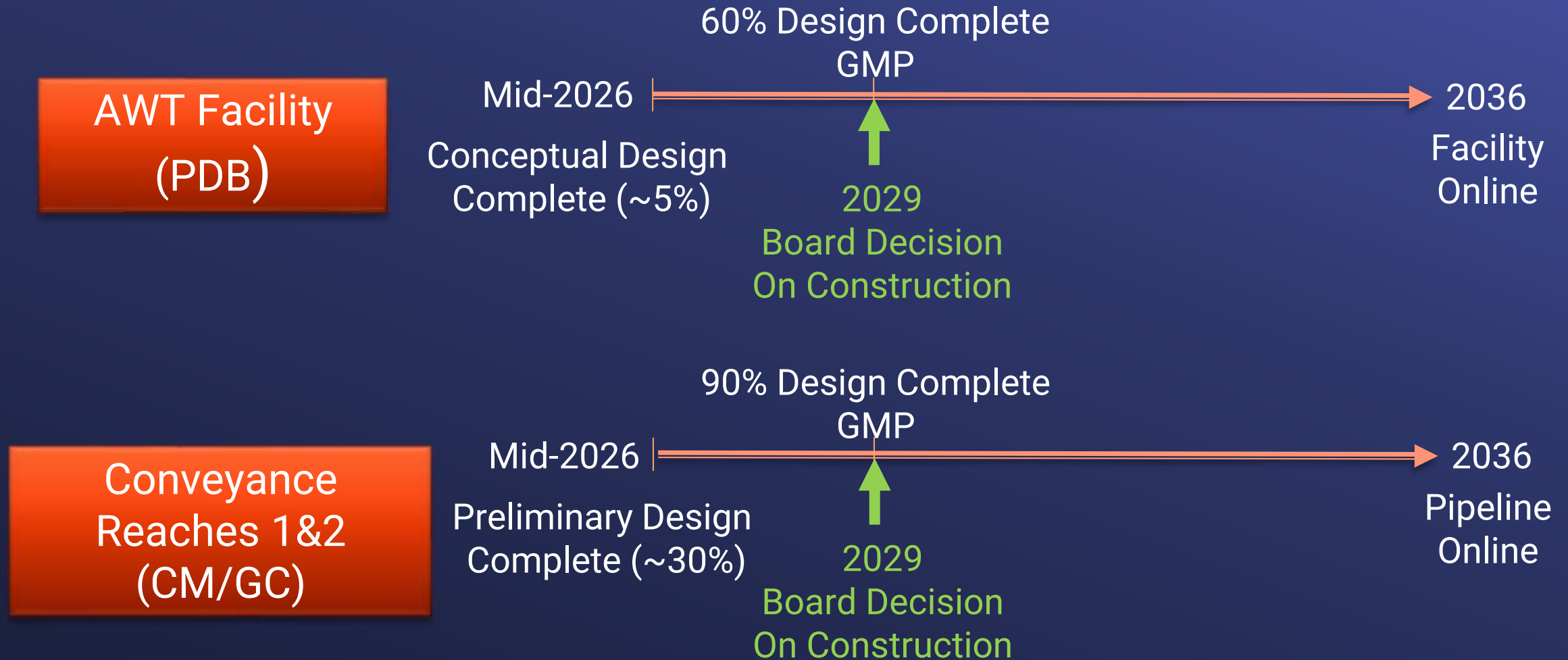
- Upgrades to enhance reliability & operational efficiency
- Part of Metropolitan-wide control system upgrade
- Scope of work
 - Replace computer servers, field computers, input/output devices
 - Upgrade software & communication equipment
- Status
 - Developing RFQ for PDB
 - Plan for board approval of PDB Phase 1 in early 2027

Upcoming RFQs – Pure Water Southern California (PWSC)

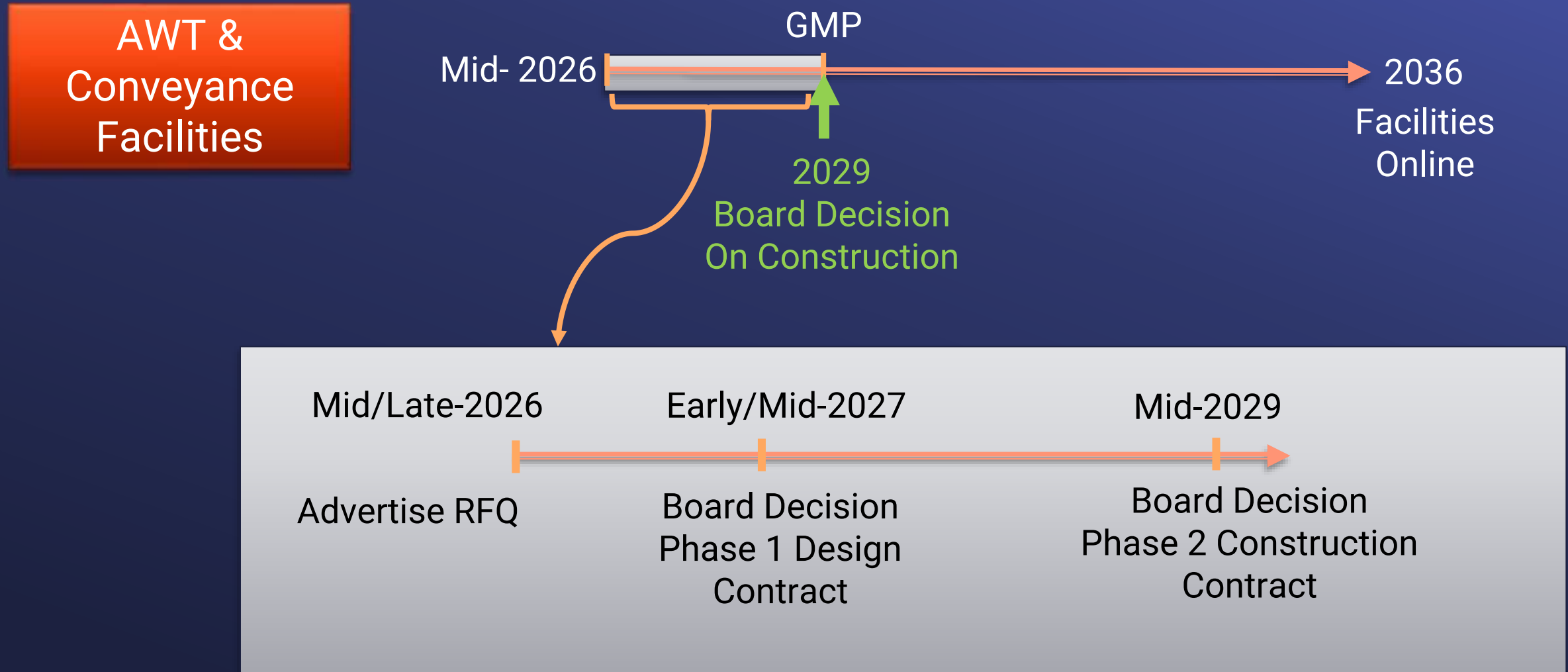
- Direct Potable Reuse Testing Facility (CM/GC)
 - Planned advertisement in Summer 2026
 - Included in CIP Appendix
 - Board action planned for Early 2027
- AWPf & Conveyance Reaches 1 & 2
 - Ready to advertise in Mid/Late 2026
 - \$150 M included in CIP Appendix
 - CAMP4W assessment discussions prior to board decisions
 - Use of alternative delivery contracting increases decision-making flexibility



Potential Alternative Delivery Milestones for PWSC



Potential Alternative Delivery Procurement Milestones for Pure Water AWT & Conveyance



Summary – Alternative Project Delivery

- Creates a single-source responsibility for design/build activities
- Better aligns goals and objectives of Metropolitan, designer & builder on complex projects
- Provides for early/timely input from operations staff
- Allows for incorporation of innovative approaches in design & construction
- Provides for timely equipment procurement which improves schedule & cost certainty
- Allows for future built-in actions by Board & allows Metropolitan flexibility on timing for final implementation decisions

