

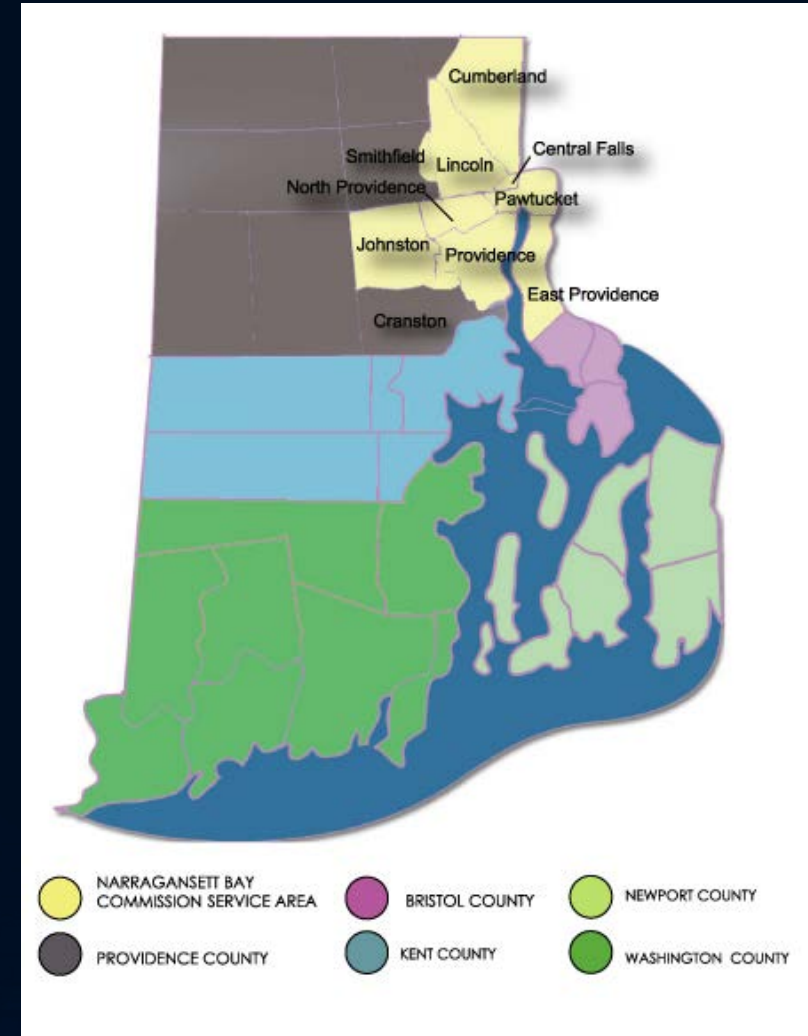


Design Build Pawtucket CSO Tunnel

KATHRYN KELLY, P.E.
NARRAGANSETT BAY COMMISSION
CSO PROGRAM MANAGER

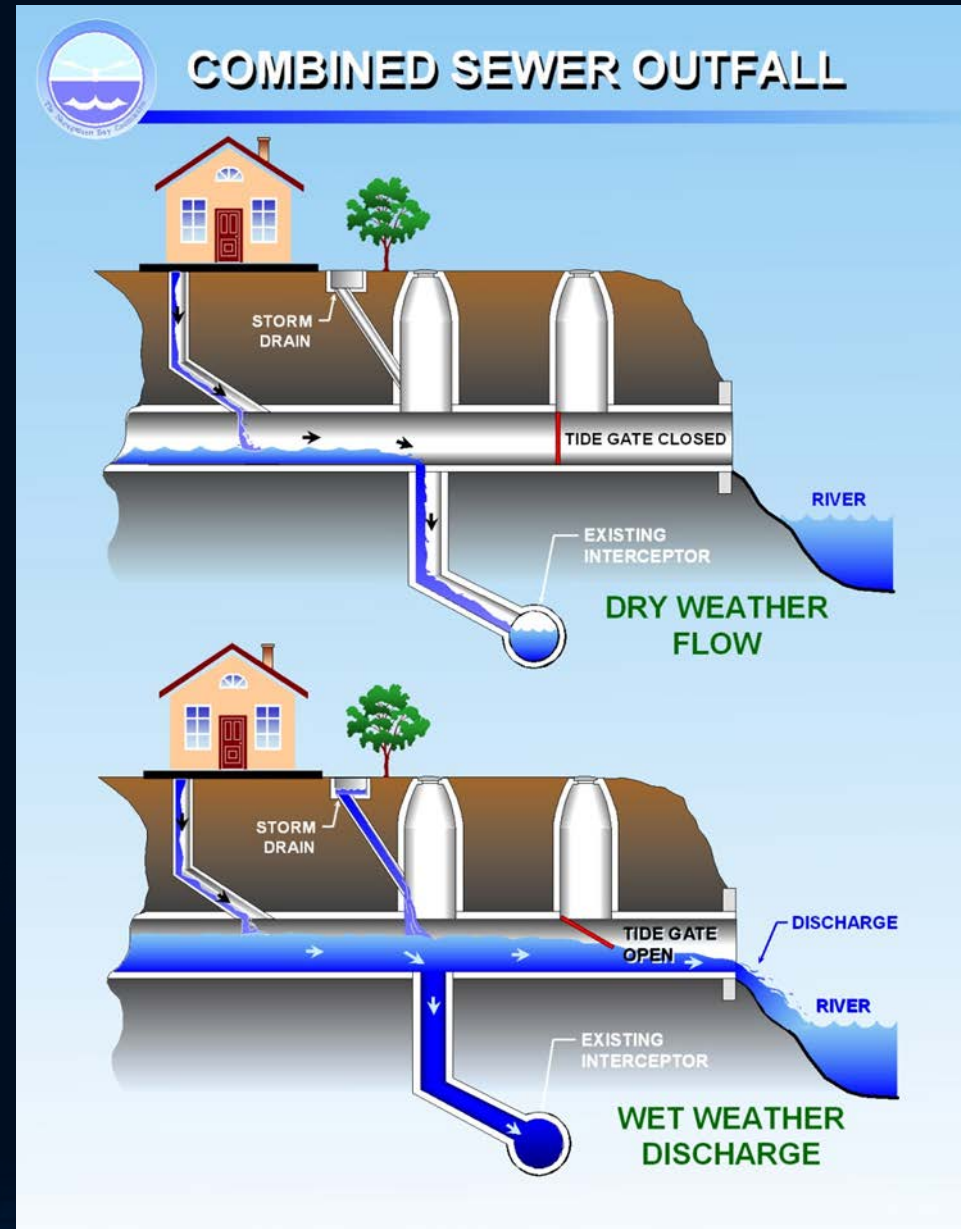
NARRAGANSETT BAY COMMISSION

- Provides wastewater collection and treatment services
- Ten communities – includes CSO communities of Providence, Pawtucket and Central Falls
- Serves 360,000 Residents
- Serves 7,800 Businesses



What is a CSO?

- Pipe that discharges combination of rain water and sewage to receiving waters.
- During dry weather, flow is transported to treatment plant for treatment.
- During wet weather, flow exceeds capacity of system and relieves to rivers.



NBC CSO Program

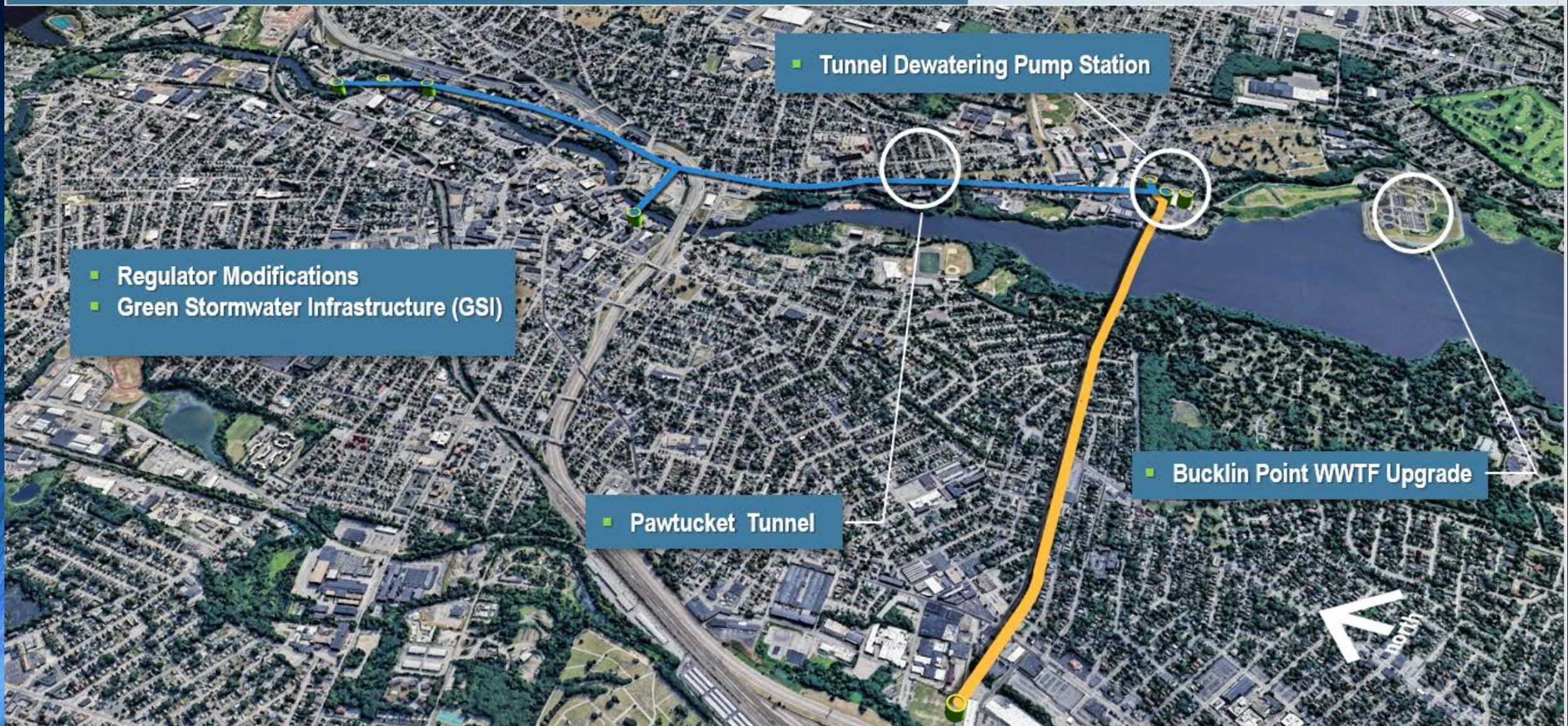
- Planning 1992-1998
- 3 Phase Program defined in 1998
- Phase 1 Construction 2001-2008
 - Cost: \$360 Million
 - Deep rock storage tunnel
- Phase 2 Design and Construction 2008-2015
 - Cost: \$197 Million
 - 2 CSO Interceptors, sewer separation



NBC CSO Program

- Phase 3 Reevaluation due to affordability concerns
- \$557 Million Phases 1 and 2
- Results of Reevaluation: Extend Phase 3 schedule to reduce impact of program on rates
- \$10 Million GSI each sub-phase

Phase 3A Facilities



■ Tunnel Dewatering Pump Station

■ Regulator Modifications
■ Green Stormwater Infrastructure (GSI)

■ Pawtucket Tunnel

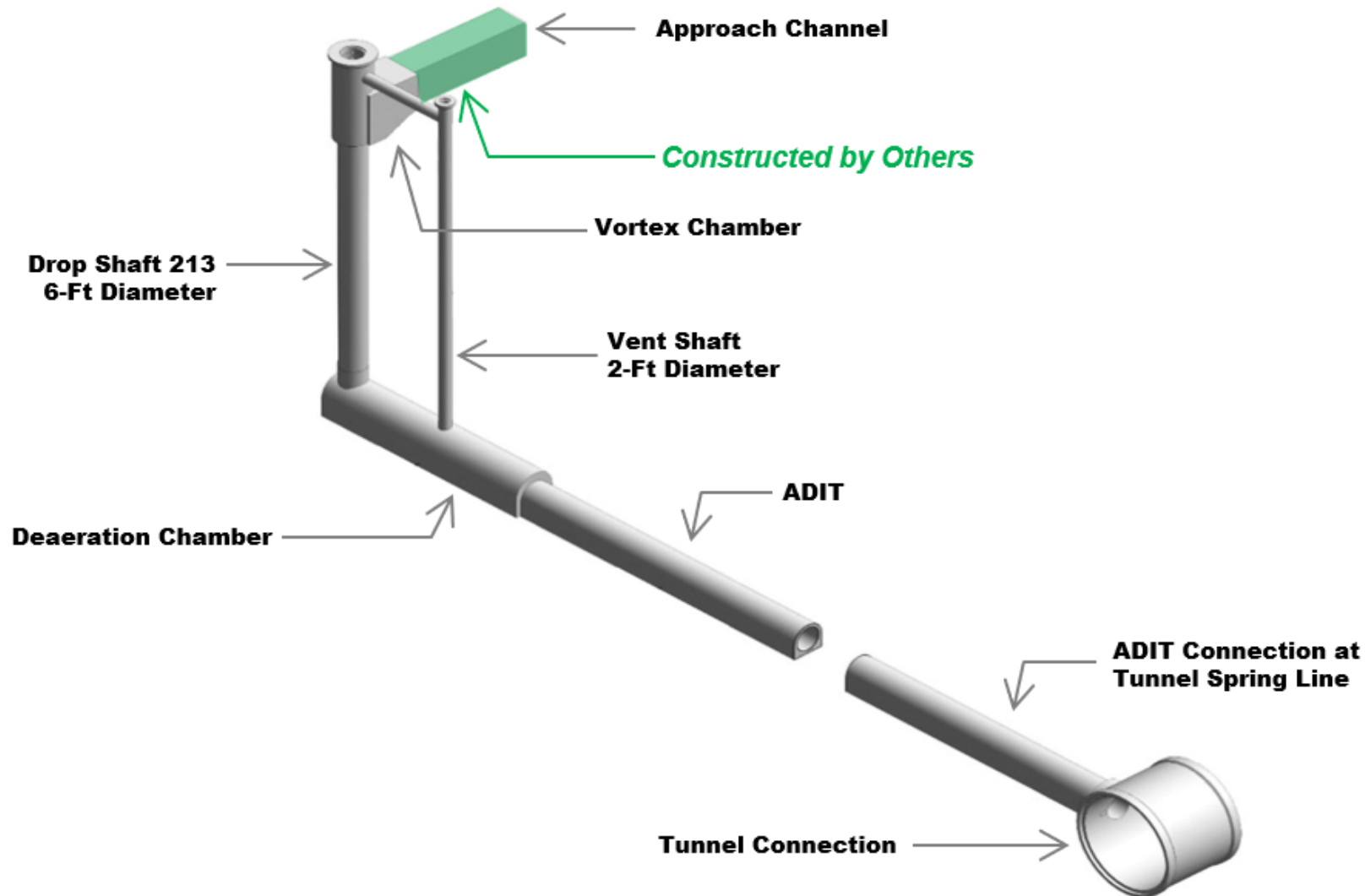
■ Bucklin Point WWTF Upgrade



Phase 3A Multiple Contracts

- IIIA-1: Tunnel
- IIIA-2: Tunnel Pump Station
- IIIA-3: OF-205 Facilities
- IIIA-4: OF210/213/214 Facilities
- IIIA-5: OF-217 Facilities
- IIIA-6: OF-218 Facilities
- IIIA-7 : Regulator Modifications
- IIIA-8 GSI Demonstration Project
- IIIA-9: Green Stormwater Infrastructure Project
- IIIA-10: BPWWTF Improvements
- IIIA-11: 1304 High Street Demolition
- IIIA-12: Dexter Street Parking Lot GSI Project
- IIIA-13: Demolition Project(s)

Phase 3A Design Build Facilities



Why Design Build?

- 1.) Single point of accountability for final design and construction
- 2.) Contractor involvement during design-design can be tailored to contractor's means and methods
- 3.) Greater price certainty

Two Step Procurement Process

- 1.) Request for Qualifications
- 2.) Request for Proposals

Request for Qualifications

Draft Contract Agreement will be included



RFQ

Solicit Statements of Qualifications from interested DB Teams



SOQs

Statements of Qualifications submitted by DB Teams



Short List

SOQs evaluated and Short List of *three* DB Teams selected by NBC

Request for Qualifications

Experience of Companies and Key Personnel:

- Large-diameter rock tunnels with precast concrete segmental lining systems
- ***Fixed-price design-build*** projects
- Working together on previous projects
- Working in urban residential and commercial environments
- Achieving MBE/WBE goals on previous projects



Selection of Short List

Scoring Criteria:

Experience of Design-Build Team	35 Points
Experience of Key Personnel	40 Points
Safety Record	15 Points
References	5 Points
Record of attaining MBE/WBE goals	5 Points

Request for Proposals



RFP

RFP issued to short-listed DB Teams



Proprietary Meetings

DB Teams may present ATCs



Proposals

Technical and Cost Proposals submitted by short-listed DB Teams



Interviews

DB Teams present proposals



Evaluation

Technical and Cost Proposals evaluated by NBC

Request for Proposals

- **Bridging Documents**
 - Preliminary design drawings
 - Technical requirements
 - Performance criteria
 - Schedule milestones
 - Geotechnical Data Report (GDR)
 - Environmental Data Report (EDR)
 - Geotechnical Baseline Report for Bidding (GBR-B)
- **Proposal evaluation and selection criteria**

Proposal Rating Criteria

Overall Management Approach	55-65 Points
Management of Design	
Project Sequencing and Scheduling	
Proposed Design	
Price	35-45 Points

Stipend

- \$300,000 to unsuccessful, short-listed, responsive proposers
- To be eligible for stipend, the proposer must have submitted a responsive proposal and completed all requirements of the RFP.

Procurement Schedule

Issue RFQ	August 19, 2019
Deadline for Questions on RFQ	September 11, 2019
Statement of Qualifications on RFQ	September 27, 2019
NBC selects short list	October/November 2019
Issue RFP	January 2020
Proprietary Meetings	March-April 2020
Technical and Price Proposals Due	June 2020
Interviews	July 2020
Notification of Intent to Award	September 2020
Notice to Proceed	November/December 2020

QUESTIONS?