

RESILIENCE PLANNING STUDIES

Ryan Slattery, Senior Advisor
Mayor's Office of Recovery

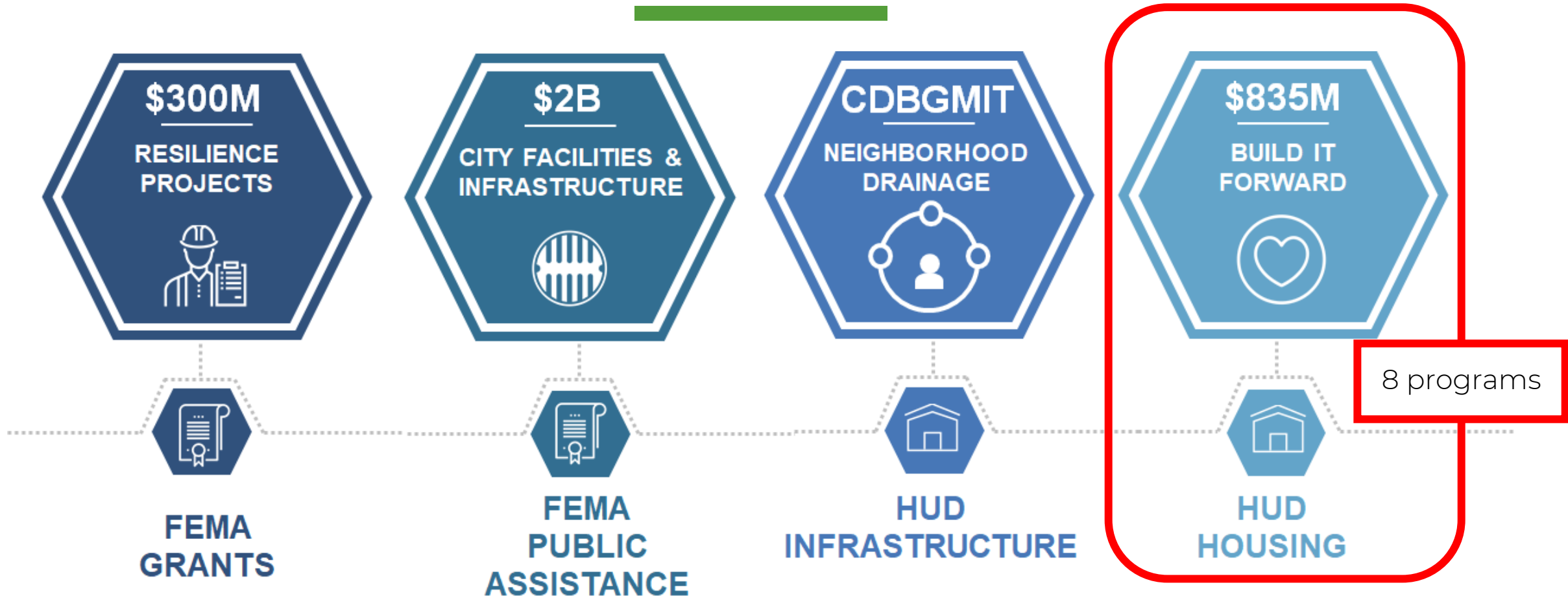
TTI Committee, November 2021

HURRICANE HARVEY AND ITS AFTERMATH



52 inches of rain in a 5-day period resulting in over 300,000 households impacted and over \$2.5B in damaged city facilities and infrastructure.

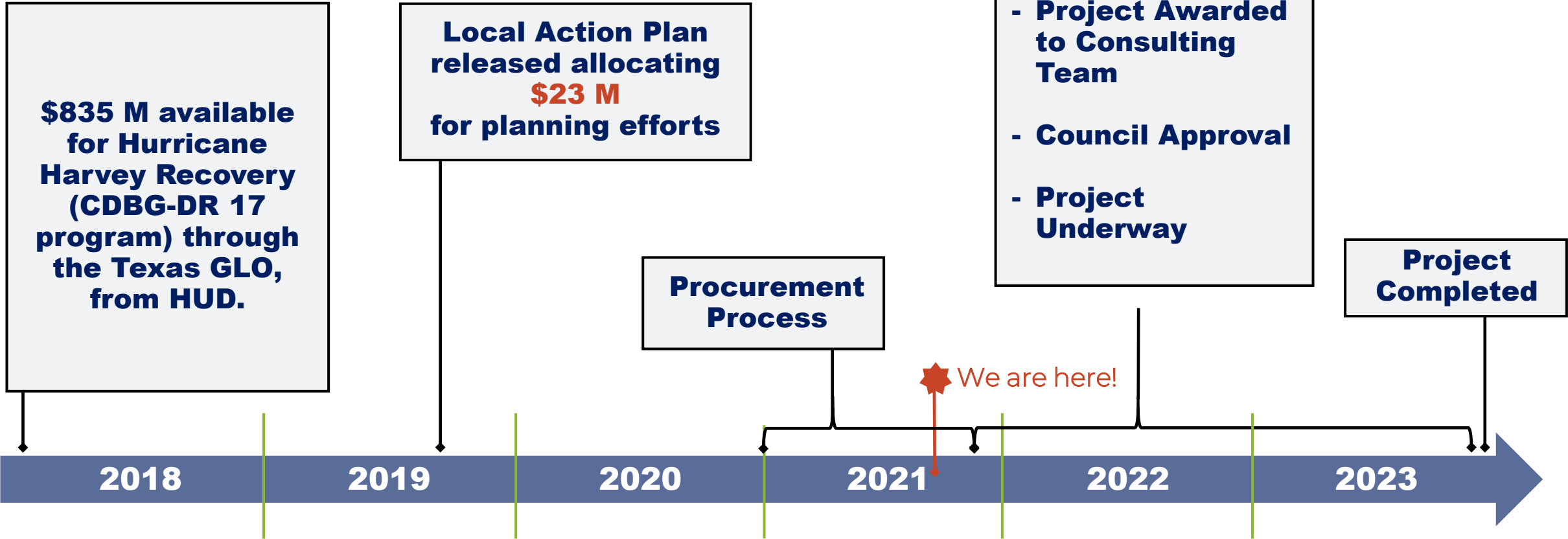
RECOVERY PROGRAMS



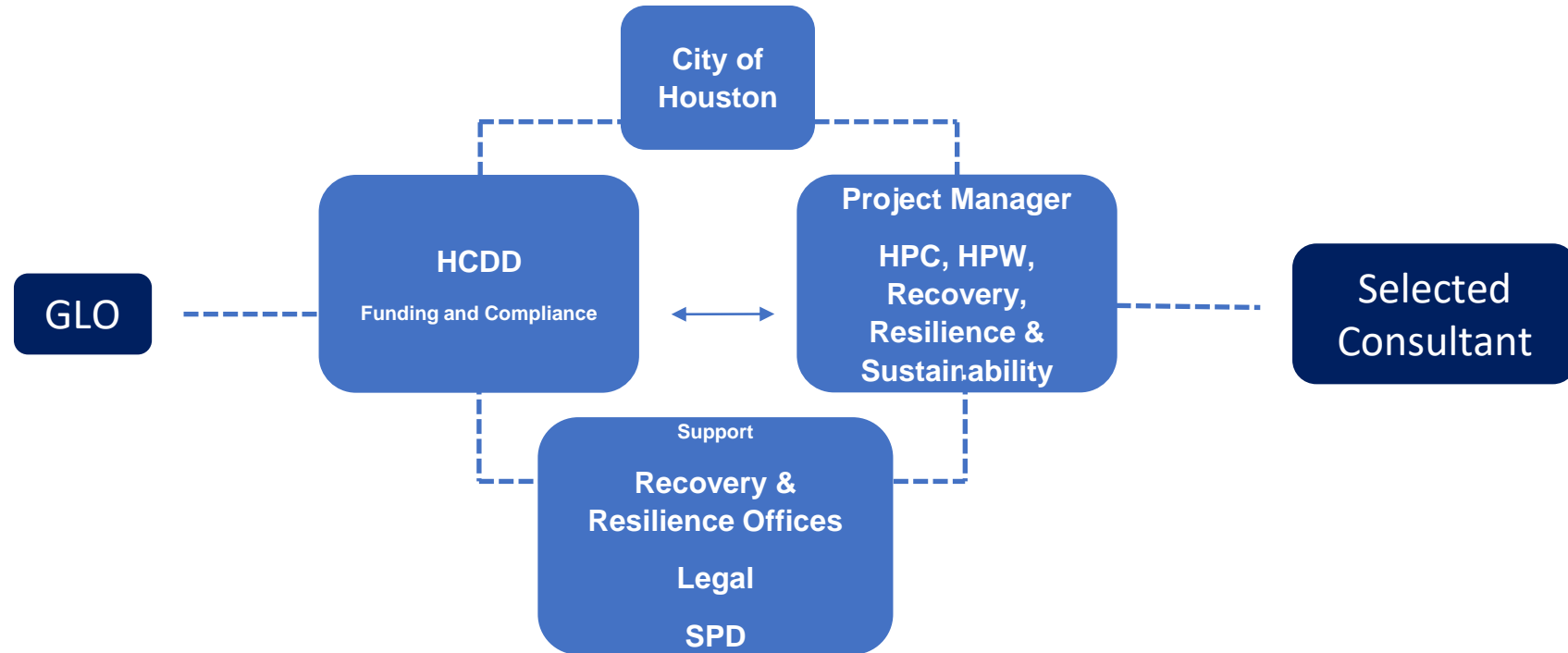
HUD CDBG DR 17 HOUSING RECOVERY PROGRAMS



MILESTONES



FUNDING MECHANISM & ADMINISTRATION



RESILIENCE PLANNING STUDIES THROUGH CDBG DR 17 PLANNING FUNDING

Sidewalks



8

Make our streets 100% safe for all Houstonians.



50

Enable Houstonians to make mobility choices that improve well-being and reduce the cost of living.

Construction Codes



36

Advance and modernize building codes and standards.

Stormwater Master Plan



27

Advance research and technology to improve water management.

Hazard Mitigation Plan



58

Leverage disaster recovery efforts to accelerate the implementation of resilience measures.

Neighborhood Resilience Plans



12

Support equitable neighborhoods through community planning and programs.

Lily Pads Plan



17

Develop "Lily Pads" to serve as Neighborhood Resilience Hubs.

Buy In / Buy Out Plan



25

Make room for water.

Construction Code

Assist with:

code review, and
adoption process, and

develop a
modernized,
resilient, and

accessible **City Construction Code**

through the consolidation of references, amendments, and ordinances, with an emphasis on incorporating (1) resilient construction, (2) accessibility to those codes and (3) practical application of those codes and standards.

Lily Pads

Create a plan for “Lily Pads” across Houston that are intended to operate before, during, and after disturbances, making them steady-state assets for local emergency management and city officials.

Scope:

Resilience Hub/Lily Pad **Background** Evaluation
Stakeholder and Community **Engagement**
Development of Houston Lily Pad Plan, &
Houston-Specific Lily Pad Implementation Tool Kit



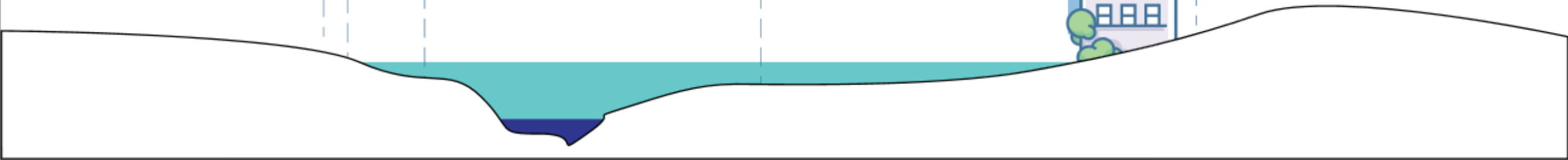
Bayous & Watersheds

Houston has 22 different bayou systems and watersheds.

There are
5,595 buildings in the floodway.

There are roughly
162,000 buildings in the 236 sq. mi.

of mapped flood plains
that cover the Bayou City.



Buy-in/Buy-out

Develop a comprehensive Buy-In/Buy-Out Plan for the City of Houston, facilitating various options for Houstonians to move out of the Houston floodways or floodplains impacted by major storms.

Scope:

Baseline **Analysis** Report and Inventory

Stakeholder and Community **Engagement**

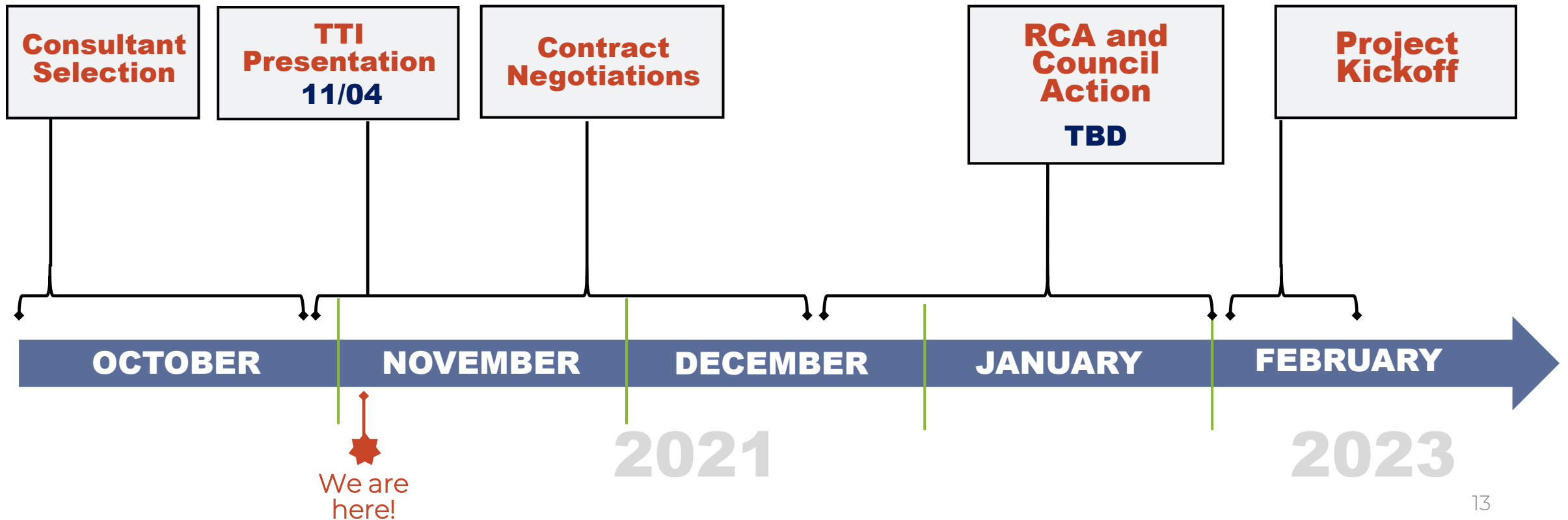
Review Performance Criteria and Identify Barriers and Challenges

Draft Plan Concept and Strategies

Develop Final Plan and Strategies

Issue Final Report

SCHEDULE AND NEXT STEPS





Thank You

Ryan Slattery, Senior Advisor
Mayor's Office of Recovery
TTI Committee, November 2021