Central Business District Tolling Program

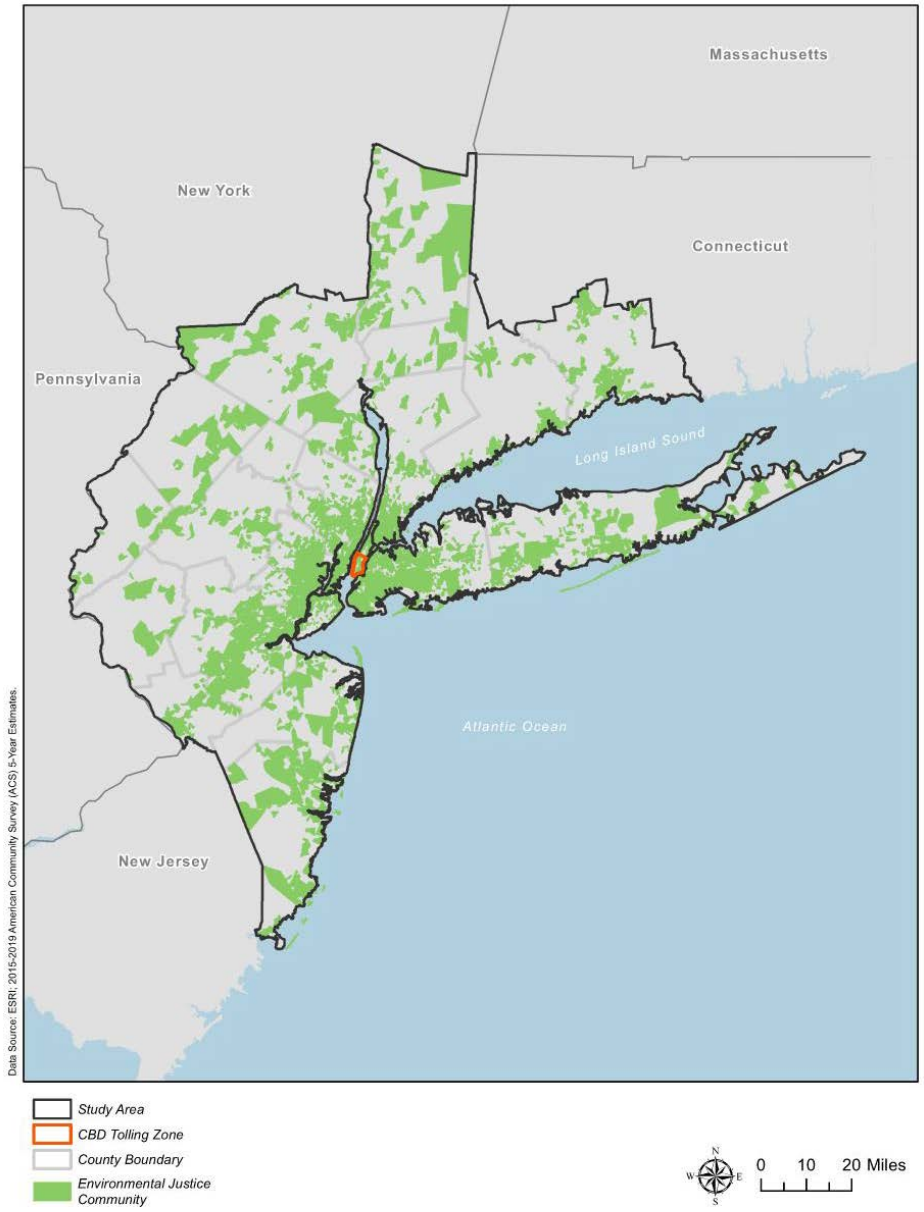
Environmental Assessment (EA) Process Overview

9/15/2021

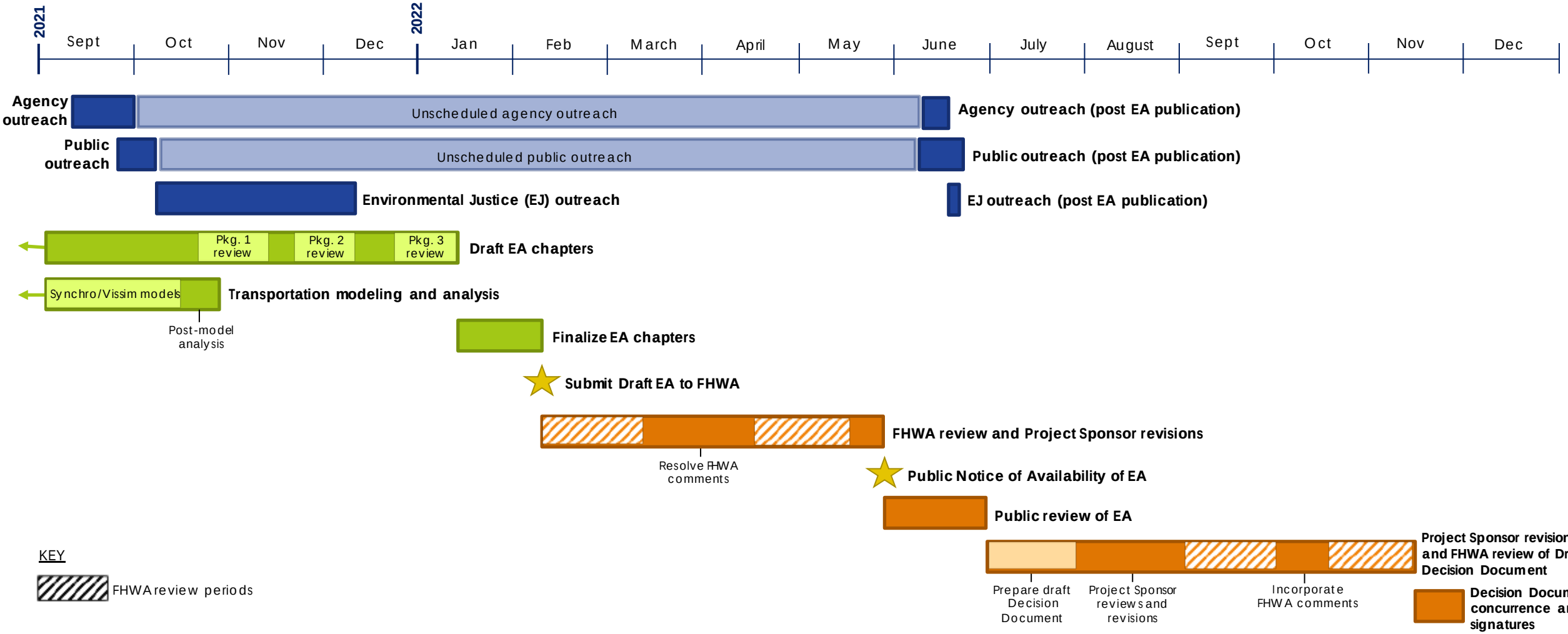
MTA Bridges and Tunnels

Robust Outreach (Agency, EJ, and Public)

- 28-county study area, 3 states
- Population of over 22 million, 12.3 million in EJ communities
- 5 Tribal Nations
- 23 Federal, State, local and regional agencies
- 20+ meetings
- EJ Technical Advisory Group and EJ Stakeholder Working Group
- Advertising in ~40 publications



High-Level Schedule



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
19 **September**	20	21	22	23 **Public webinars begin** NYC Outer Boroughs – 10am Manhattan CBD – 6pm	24 New Jersey– 10am	25
26	27	28	29 Northern NY Suburbs – 10am Long Island – 6pm	30 NYC Outer Boroughs – 6pm	1 Connecticut – 1pm **October**	2
3	4 New Jersey– 6pm	5 Northern NY Suburbs – 6pm	6 **Public webinars end** Manhattan Outside CBD - 6pm	7 **EJ webinars begin** EJ webinar (NY) – 6pm	8	9
10	11	12 EJ webinar (NJ) - 6pm	13 EJ webinar (CT) - 6pm	14 **EJ Technical Advisory Group Meeting #1**	15	16

Meetings in November and December

- **EJ Technical Advisory Group:** 11/3
- **EJ Stakeholder Working Group:** 11/9 and 11/30
- **EJ Report Out Webinars:** 12/7 (NY), 12/8 (NJ), 12/9 (CT)

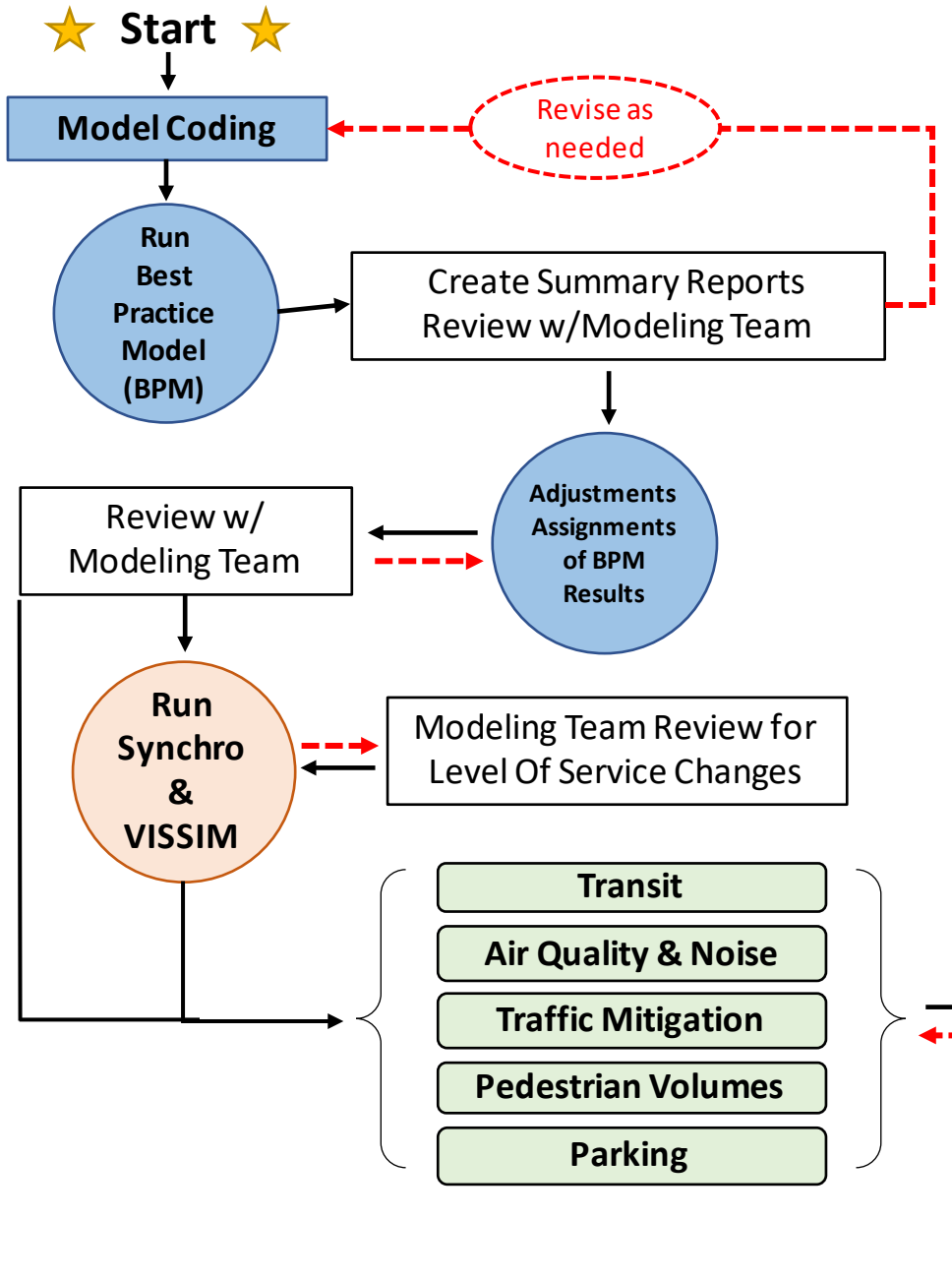
Transportation Modeling and Analysis

Coding Includes
- 61,000 network links for streets, arterials, and highways
- 4,600 analysis zones across region
- Models vehicle speeds, type, truck usage, and toll collection
- Incorporates all regional transit service with routes, frequency, projected usage, and fares

Model Runs (14 total scenarios)
- No Action (1) for 2020 and 2045 (1 x 2 = 2)
- NEPA Action Scenarios (6) for 2020 and 2045 (6 x 2 = 12)

Adjustments and Assignments Based on BPM
- Balance bridge and tunnel capacity
- Identify peak hour of peak traffic periods
- Assign peak hour volumes to study area intersections for all time periods
- Analysis of diversions/identify worst case

Synchro & VISSIM Models (2 scenarios)
- Synchro: Geometric intersection analysis
  - *100+ Intersections*
  - *4 time periods (AM, PM, midday, and 24-hr)*
- VISSIM: Highway lane capacity analysis
  - *Multiple tunnels, bridges, and highways*
- *Generates: VMT, changes in volumes, routes, and speeds for multiple vehicle types*



Post-BPM Modeling and Analyses

Transit & Pedestrian Analysis
- Model stations with projected ridership increase (15-25)
  - PATH, NJT, NYCT
  - Review of vertical circulation (stairs, escalators, fare gates)
- Assign walk trips to local intersections and assess LOS

Air Quality (2 models)
- Regional analysis of emissions
- Local analysis of multiple intersections, CO, $PM_{2.5/10}$

Noise
- Assess traffic noise effects at multiple intersections