My name is Eva Hanhardt. I am an urban and environmental planning consultant and have taught Planning at Pratt Institute. I worked at City Planning on NYC’s first Comprehensive Waterfront Plan with responsibility for the Significant Maritime and Industrial Areas and Waterfront Zoning. My comments are as an advisor to UPROSE.

The challenges and impacts of e-commerce are being felt throughout the United States. Tonight I want to identify some short term mitigation approaches and how the challenges are being approached in other Cities and States.

- Define e-commerce- by type, function, size by sq ft and/or number of vehicles. Definitions are needed if zoning or other regulations are to be designed. Currently NOT defined as a use in the NYC zoning resolution. California and Massachusetts have good examples of definitions.

- Improve environmental enforcement – Targeted Air and Water Quality and Noise monitoring. Around exhaust filters, vehicle idling and run off.

- Improve traffic and delivery controls and enforcement including Routes, Signage, Delivery times - Targeted traffic enforcement focused on the interface with the larger neighborhood.

- Require or incentivize use of Electric vehicles –installing electric charging stations, Using electric or regular Bikes and cargo Bikes

- Require or incentivize use of water and rail for both delivery to warehouse and. last mile delivery - as called for in the Comprehensive Waterfront Plan Goals and Strategies and FreightNY. Sunset Park and Red Hook are ideally suited for this. Investment may also be needed in waterfront docking and intermodal interface infrastructure here and near destination areas throughout the City.

- Improve Urban/Site and Loading Dock design at warehouses/parking areas/ treatment of surfaces to prevent runoff and to limit parking and queuing on neighborhood streets.

- Shift financial incentives from large e-commerce to small local businesses and incentivizing links to local products and local manufacturing.

- Thank you!