



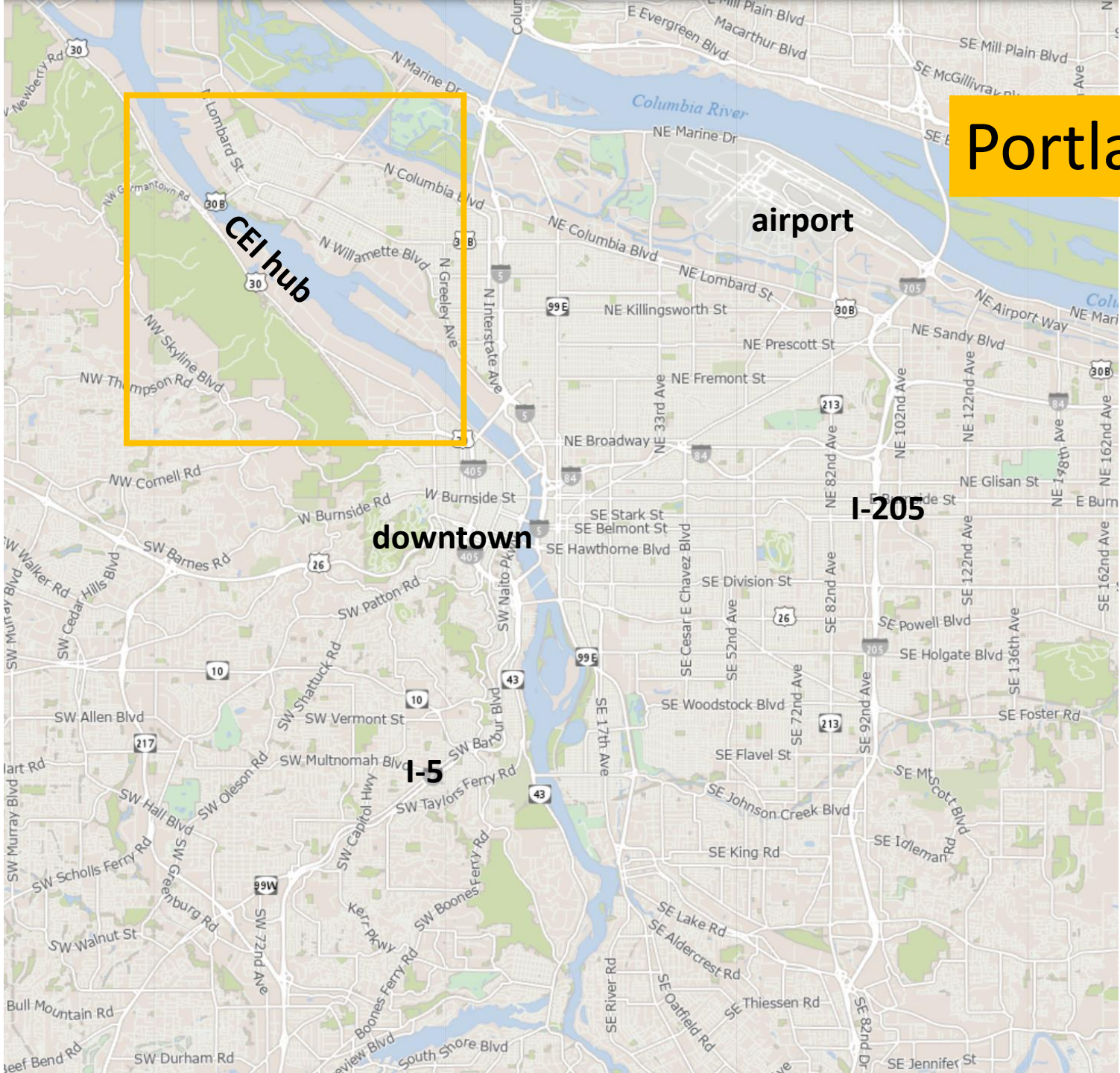
Critical Energy Infrastructure Hub

Jonna Papaefthimiou, State Resilience Officer

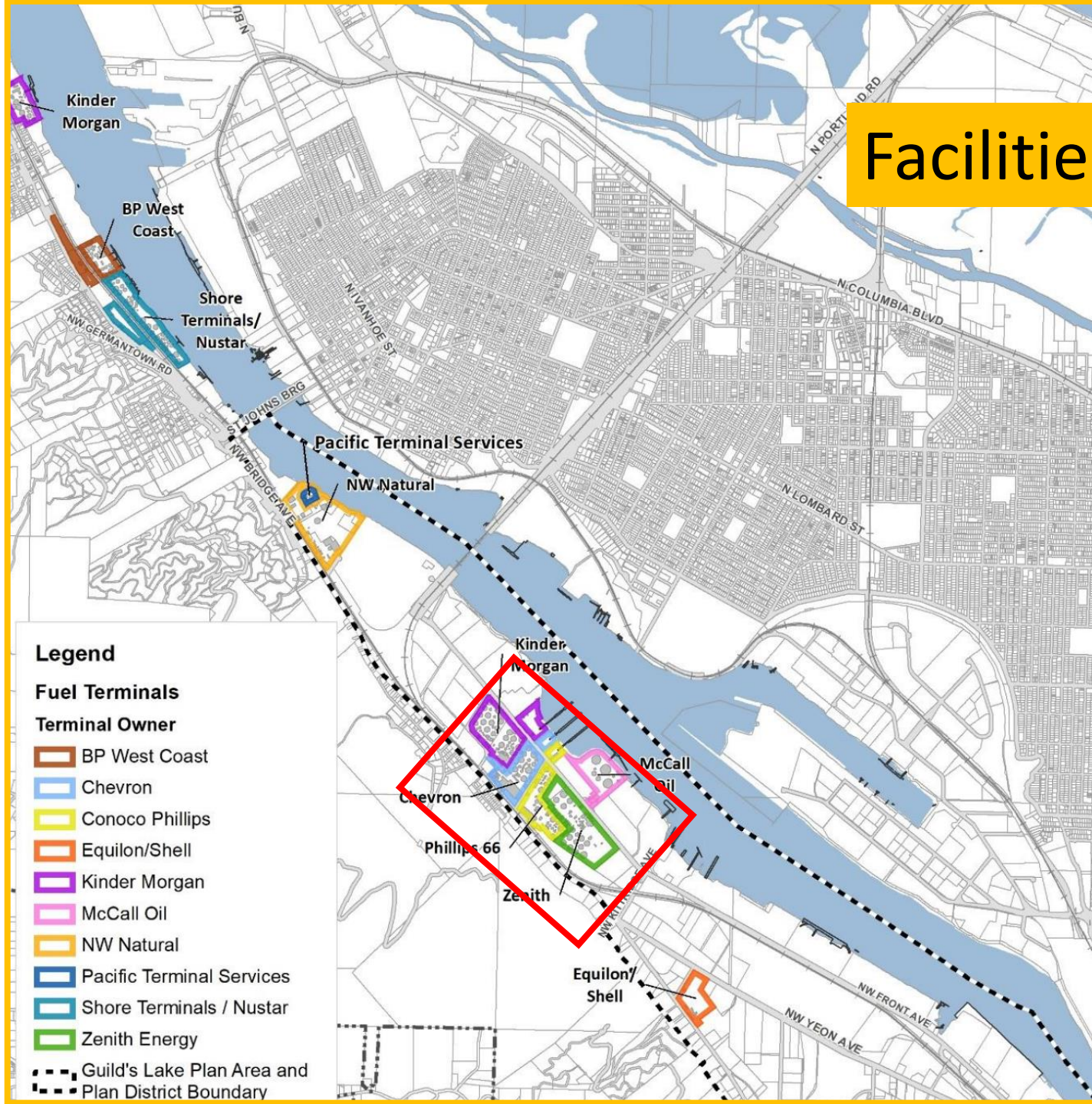
jonna.papaefthimiou@oregon.gov | 503-428-9024

Climate, Energy, and Environment | February 2024

Portland Area Map



Facilities Map



Legend

Fuel Terminals

Terminal Owner

- BP West Coast
- Chevron
- Conoco Phillips
- Equilon/Shell
- Kinder Morgan
- McCall Oil
- NW Natural
- Pacific Terminal Services
- Shore Terminals / Nustar
- Zenith Energy
- Guild's Lake Plan Area and
- Plan District Boundary



Kinder-Morgan

Clean Rivers Cooperative

High Purity Products

Brenntag Pacific, Inc

Chevron

McCall Oil

Phillips 66

Zenith

BNSF Willbridge Yard

CalPo Avenue

Pacific Military

Goby Walnut Products

Overhead view

CEI Hub Overview

- More than 90% of Oregon's liquid fuel passes through CEI hub
 - Arrives via Olympic pipeline and boat
 - Stored in tanks then delivered by truck, barge
- Tanks of various ages and designs, most predating seismic standards
- Liquifiable soils, adjacent wildfire risk, limited egress all contribute to hazard in CEI hub
- Various studies have explored risk and cost, with some progress.



Presenters

- **Yumei Wang**, Portland State University, Senior Advisor on Infrastructure Resilience and Risk
- **Chris Voss**, Director, Multnomah County Emergency Management
- **Sterling Stokes**, Campaign Manager, Portland Harbor Community Coalition
- **Jay Wilson**, Clackamas County Resilience Coordinator, Former OSSPAC Chair and NIST Resilience Fellow

