



**PORT OF
OAKLAND**

2024 Environment & Sustainability
Ad Hoc Committee Update

January 30, 2025



AGENDA

1. Zero Emissions Projects

- Aviation Projects
- Maritime Projects
- Port-wide Zero Emissions Plan
- Sustainability Management Plan
- Environmental Ordinance
- Procurement Policy – Zero Emissions Considerations

2. Port Development Projects

3. Community Engagement

4. Zero Emission/Sustainability Grants

OAKLAND INTERNATIONAL AIRPORT

ROAD TO ZERO EMISSIONS

SUSTAINABILITY INITIATIVES
AT OAKLAND INTERNATIONAL AIRPORT:
EQUIPMENT AND INFRASTRUCTURE

OAKLAND EXISTING & PLANNED PROJECTS

-  **Electric Bus Charging Depot**
-  **Sustainable Aviation Fuel**
-  **Vehicle Charging Stations**
-  **400 Hz Ground Power**
-  **Pre-Conditioned Air**
-  **Electric Ground Support Equipment & Charging Stations**
-  **Solar Panels**
-  **Fuel Cell Power**
-  **Battery Energy Storage System**
-  **New/Replacement Electrical Substation**
-  **Electric Car Rental**



ROAD TO ZERO EMISSIONS

SUSTAINABILITY INITIATIVES
AT OAKLAND SEAPORT:
EQUIPMENT & INFRASTRUCTURE

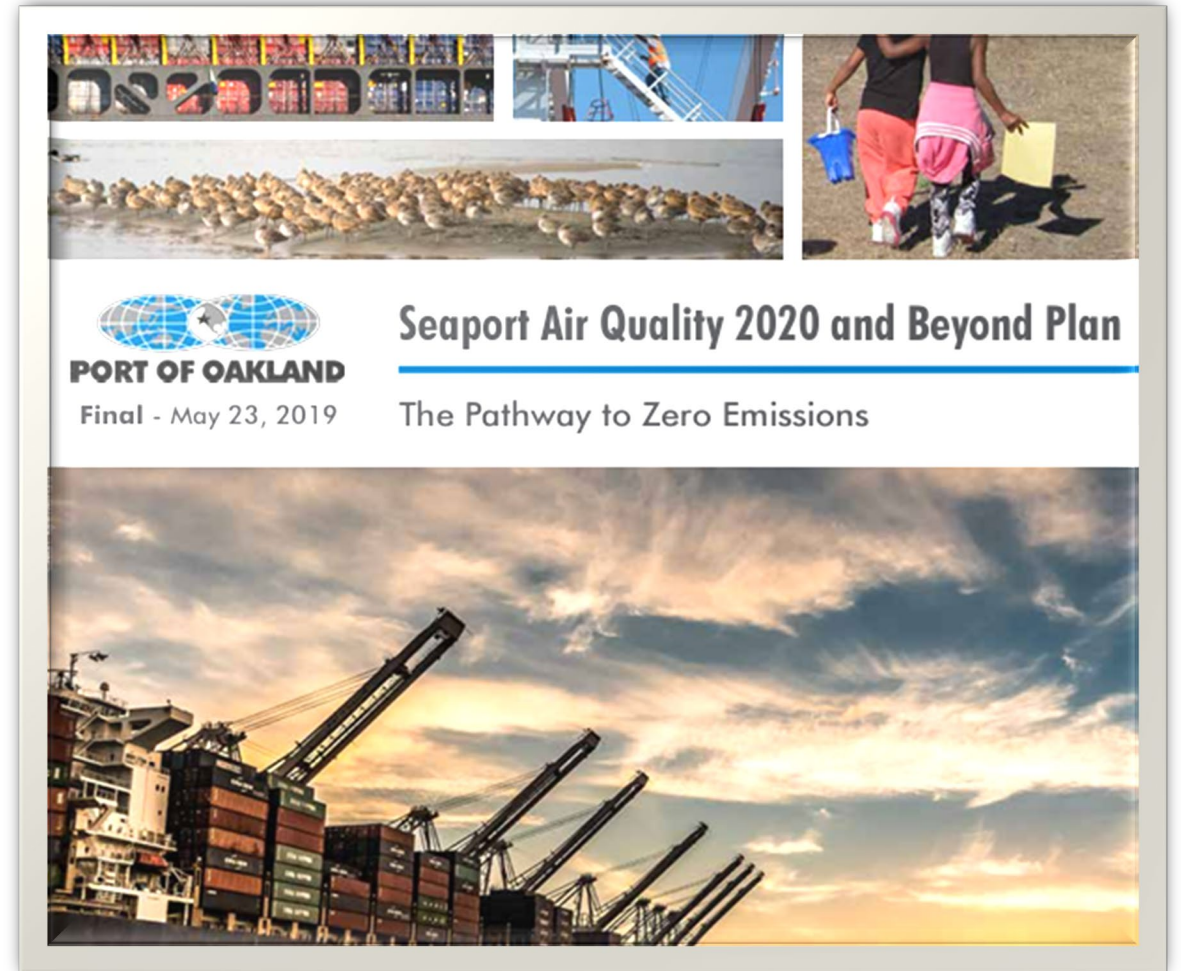
OAKLAND SEAPORT

OAKLAND EXISTING & PLANNED PROJECTS



Port-Wide Zero Emissions Plan

- Seaport Air Quality 2020 and Beyond Plan
- Goals
- Objectives
- Consultant Selection



Sustainability Management Plan

Air Quality

Climate Resilience

Energy Source

Environmental
Justice/Social
Responsibility

Purchasing/
Materials

Transportation

Waste Management

Water Conservation
and Water Quality

Wildlife
Conservation

Environmental Ordinance Update

Port of Oakland, Administrative
Code:
Title 9 – Environmental Plans and
Programs

Updates to:

- Section 9.01.130 – Air Quality
- General Revisions

TITLE 9 - ENVIRONMENTAL PLANS AND PROGRAMS

Chapter 9.01 - Environmental Provisions

Section 9.01.010 - Purpose, Intent, Authority, and Applicability

The purpose and intent of this Chapter is to:

- A. Promote health, safety, and general welfare;
- B. Protect and enhance the environmental quality of Port Property and of San Francisco Bay; and
- C. Support implementation and administration of the Port's environmental programs and policies.

This Chapter is adopted pursuant to the Port's Charter authority to take charge, control, and supervise the Port as well as to issue and enforce all ordinances, orders, regulations, and practices necessary for the management and government of the Port. This Chapter

(Ord. No. [4691](#), § 2.A., 3-9-2023)

Section 9.01.020 - Definitions

Unless specifically defined otherwise herein, or unless a different meaning is apparent from the context, the following words and phrases shall mean, in singular or plural, past or present tense:

"2020 and Beyond Plan" shall mean the Port of Oakland *Seaport Air Quality 2020 and Beyond Plan-The Pathway to a Clean Port*, as further amended by Port Resolution Nos. 20-59 and 20-97.

"Accessing Party" or "Accessing Parties" shall mean any Person or Persons who access, operate, or who is negotiating an Accessing Party Agreement, including any Person or Persons who cause or allow Toxic Materials to come onto the Premises or cause or allow Toxic Materials to be released from the Premises.

"Action" shall mean any (i) verbal or written claim or notice of a claim by a Governmental Authority or any Third-Party, whether threatened or filed, including, without limitation, Third-Party subpoenas and requests under the Public Accessing Party Agreement described in (i) through (ii) of this definition, above.

"Affiliate" shall mean, when used to indicate a relationship with a specified Person, a Person who, directly or indirectly, is under common control with a specified Person.

"Agreement" shall mean any agreement, including a Tenancy Agreement, between a Person and the Port.

Procurement Policy – Zero Emissions Considerations



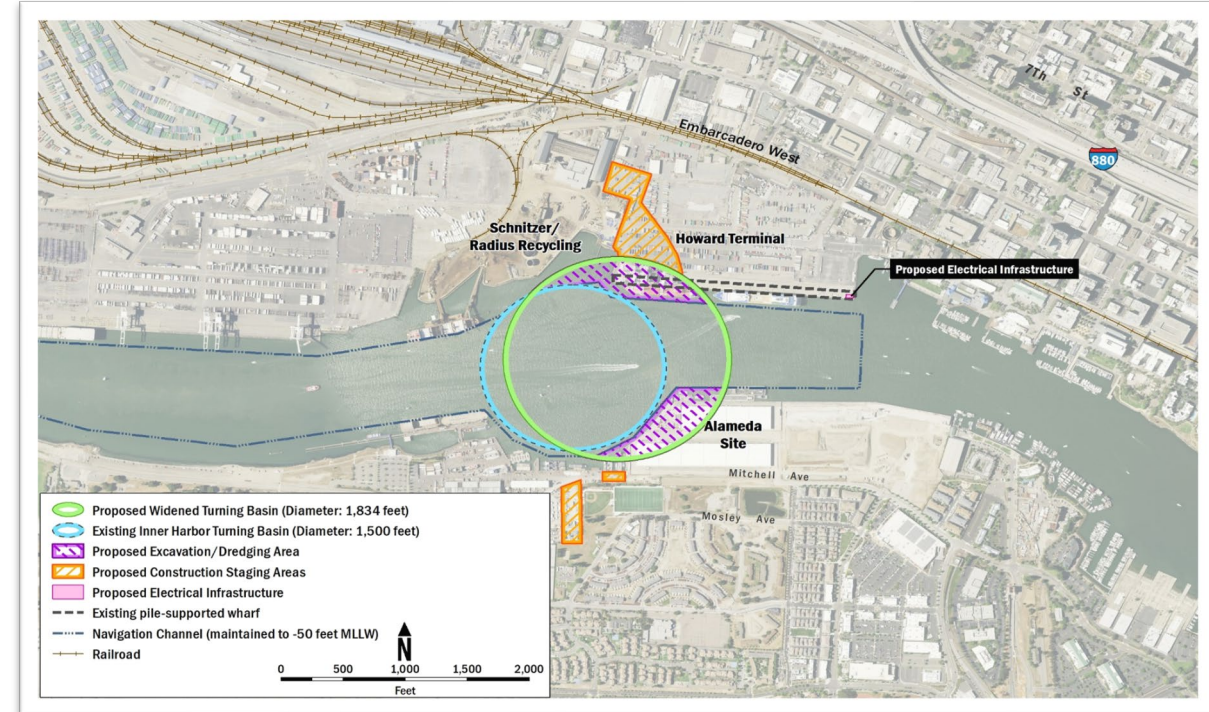
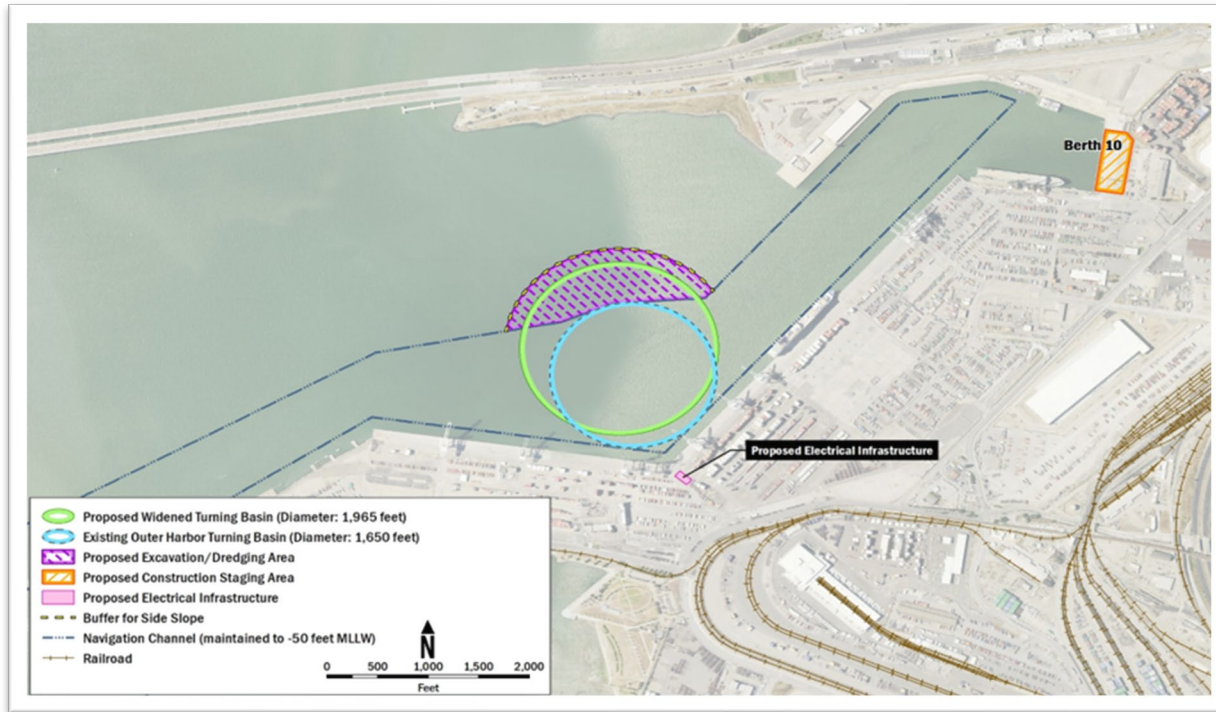
- Construction Equipment
- Public Works Contracts
- Consultant Contracts

I ✈ OAK

Oakland International Airport Terminal Modernization and Development Project



Oakland Turning Basins Widening Project



Community Engagement – Oakland Community Connections

Community Environmental Grants

Grant Program	Project Partners	Date Applied	Project	Project Cost
DTSC Community Cleanup/Remediation Grant	<ul style="list-style-type: none"> • Neighborship 	Awarded	Community Site Investigation Conduct Phase I and II testing; bioremediation at community site	
EPA Environmental and Climate Justice Community Change Grants Program	<ul style="list-style-type: none"> • Black Cultural Zone Lead • Community Arts Stabilization Trust 	7/30/24	Liberation Park Resilience Hub in E. Oakland. The EPA funding will enable BCZ and CAST to construct a 3-story, 31,000 square feet Resilience Hub that will serve as a trusted haven before, during, and after climate disasters.	\$20.0 M
EPA Environmental and Climate Justice Community Change Grants Program	<ul style="list-style-type: none"> • Environmental Democracy Project Lead • Center for Environmental Health • Port of Oakland 	In progress	Hazardous Waste/Contamination Education and Training Education/training of Oakland community youth members to become aware, identify, empower with knowledge to recognize and address env issues.	\$20.0 M
EPA FY 2025 Brownfields Job Training Grants	<ul style="list-style-type: none"> •Port of Oakland Lead •Lifers Leaving a Legacy •Cypress Mandela Training Center •New Testament Baptist Church 	8/14/24	Community Environmental Empowerment Project To develop and execute the training of East Oakland community members on hazardous waste management. The Program will aim to recruit, train, and provide job placement support to returning family members, veterans, unemployed, and under-employed residents of East Oakland on the appropriate methods to assess, clean and prepare contaminated sites, including brownfields.	\$500,000

Community Engagement – Oakland Community Connections

Community Environmental Grants

Grant Program	Project Partners	Date Applied	Project	Project Cost
CARB Community Air Protection Program Community Air Grant	<ul style="list-style-type: none"> Lifers Leaving a Legacy 	11/1/2024	People-Driven Air Quality Monitoring and Outreach for a Healthier East Oakland; mitigating youth exposure in areas of high trash density in East Oakland	\$500,000
EPA CLEAN PORTS – Zero Emissions Technology Competition	<ul style="list-style-type: none"> Port of Oakland Lead West Oakland Environmental Indicators Project West Oakland Cultural Action Network The Rose Foundation for Communities and the Environment Black Cultural Zone Air District, Port Tenants, and Workforce Development orgs 	Awarded	Community Led, Business Supported, Proven and Ready to Go! Transforming the Port of Oakland to Zero Emissions. The community and Port propose to purchase 762 pieces of zero emission equipment (battery electric or hydrogen fuel cell), including 482 ZE drayage trucks, with air quality monitoring to measure the effectiveness of the project.	\$467M

EPA Clean Ports Program - \$322 Million

Project Partners:



- 475 Drayage Trucks
- 188 Cargo Handling Equipment
- Community Engagement
- Fenceline Air Quality Monitoring Program
- Workforce Development
- Trucker Loaner Program

Grant Awards

#	Grant Program	Grant Amount	Project Description	Plan / Strategy Alignment
16.	FHWA Reduction of Truck Emissions at Port Facilities Grant Program (RTEPF)	\$4.1M	Powering Progress: Electrification of Materials & Equipment Transport at the Port of Oakland Deploy four (4) Class 8 electric trucks, an electric street sweeper, an electric pickup truck, and supporting charging infrastructure at Eagle Rock terminal.	WOCAP, City ECAP, and Port Seaport Air Quality 2020 and Beyond Plan
17.	Caltrans Cooperative Agreement	\$6M	Caltrans has agreed to fund \$6 million towards the Port's construction of three Large Trash Capture Devices in the Port's stormwater system. These Trash Capture devices are positioned at the outlet of the stormwater system to the Bay and capture all trash larger than a cigarette butt from entering the Bay from the upland watersheds.	City ECAP and Port Seaport Air Quality 2020 and Beyond Plan
18.	VW Mitigation Trust Zero-Emission Freight and Marine Projects (ZEFM)	\$5M	Shore Power at Eagle Rock Development	WOCAP, City ECAP and Port Seaport Air Quality 2020 and Beyond Plan
19.	Caltrans Sustainable Transportation & Climate Adaptation Planning Grant (In Partnership with City of Oakland)	\$3M \$4.5M project	Rising Seas and Oakland's Infrastructure and Frontline Communities: Climate Adaptation Planning for Neighborhood-led Resiliency Modeling projected Sea Level Rise (SLR) and Groundwater Intrusion (GWI) in order to create an Adaptation Plan for E. and W Oakland; Central Oak/Bay Front	City ECAP and Port Seaport Air Quality 2020 and Beyond Plan

Grant Awards

#	Grant Program	Grant Amount	Project Description	Plan / Strategy Alignment
20.	DOE Hydrogen and Fuel Cell Technologies Office FOA to Advance the National Clean Hydrogen Strategy (CTE is the Lead)	\$4M	Hydrogen Fuel Cell Powered Port Equipment – collaboration between Center for Transportation and the Environment (CTE), Trapac, Hyster, and First Element	WOCAP, City ECAP and Port Seaport Air Quality 2020 and Beyond Plan
21.	FAA FY 2023 AIP Discretionary Grant	\$18M	Airport Perimeter Dike Resiliency to Seismic Events	Airport Carbon Accreditation, City ECAP
22.	NOAA Marine Debris Removal under BIL (City of Oakland is Lead)	\$3.2M	Oakland Estuary Marine Debris Removal and Regional Stewardship Project - The City of Oakland will work with community partners to remove abandoned and derelict vessels and promote prevention efforts in the Oakland Estuary.	Environmental Compliance
23.	EPA CLEAN PORTS – Zero Emissions Technology Competition	\$322M	Community Led, Business Supported, Proven and Ready to Go! Transforming the Port of Oakland to Zero Emissions The Port and partners will purchase 663 pieces of zero emission equipment (battery electric or hydrogen fuel cell), including 475 ZE drayage trucks. This would result in the near 100% conversion of all cargo handling equipment to zero emissions technologies. The Port will partner with four community-based organizations (CBOs), five non-profits, ten industry partners, and the Port’s local air district to achieve these goals	Port Seaport Air Quality 2020 and Beyond Plan, City ECAP

Grant Awards

#	Grant Program	Grant Amount	Project Description	Plan/ Strategy Alignment
24.	EPA Clean Heavy-Duty Vehicles Grant Program (Partnership with OAK tenant UPS, and two CBO's: Black Cultural Zone and Lifers Leaving a Legacy)	\$10.5M	<p>Empowering Delivery for Tomorrow: Port of Oakland and UPS Transition to Battery Electric Trucks Serving Bay Area Disadvantaged Communities project: replace 60 Class 6 UPS delivery trucks with zero-emission battery electric delivery trucks and install supporting charging infrastructure at three different logistics centers: 40 trucks and chargers adjacent to OAK; 10 at the San Francisco facility, and 10 at the Richmond facility.</p> <p>Includes workforce development to train workers in ZE vehicle and infrastructure operation and maintenance, and is in partnership with two community-based organizations for community outreach and participation in ZE programs.</p>	Airport Carbon Accreditation, City ECAP

2024 Submitted Grant Applications (Pending Notifications)

#	Grant Program	App Submitted	Project Title	Project Cost	Plan / Strategy Alignment
1.	FEMA Building Resilient Infrastructure and Communities (BRIC) (City of Alameda is Lead)	12/13/23	Bay Farm Island Adaptation Project: Oakland Alameda Adaptation committee (OAAC*) will complete shoreline flood risk reduction and adaptation strategies along the estuarine shoreline and lower reaches of San Leandro Creek including Sobrante Park in east Oakland.	\$55M	City ECAP and Port Seaport 2020 and Beyond Plan
2.	VW Mitigation Trust (RAC Rental Car Company Consortium @ OAK has applied)	December 2023	Replace shuttle buses for rental car companies with electric buses.		City ECAP
3.	NFWF National Fish and Wildlife Foundation 2024 National Coastal Resilience Fund (NCRF) (Lead by City of Alameda in partnership with City of Oakland and Port)	6/27/24	Bay Farm Island/Doolittle Drive/East Oakland Living Shorelines and Marsh Restorations The Project will reduce flood risk up to two feet of future sea level rise within the FEMA designated Airport Community Disaster Resilience Zone (CDRZ) and in Bay Farm Island and will address flood risks within east Oakland underserved communities.	\$750k	City ECAP
4.	EPA Environmental and Climate Justice Community Change Grants Program (Black Cultural Zone is the Lead)	7/30/24	Liberation Park Resilience Hub in E. Oakland. The EPA funding will enable the Black Cultural Zone (BCZ) and Community Arts Stabilization Trust (CAST) to construct a 3-story, 31,000 square feet Resilience Hub that will serve as a trusted haven before, during, and after climate disasters.	\$20M	City ECAP

2024 Submitted Grant Applications (Pending Notifications)

#	Grant Program	App Submitted	Project Title	Project Cost	Plan / Strategy Alignment
5.	BAAQMD Electric Charging Infrastructure (Port Tenant Forum Mobility is Applying Independently)	8/1/24	Port tenant Forum Mobility will be submitting an application for chargers and supporting infrastructure at the Seaport.	\$8.1M Grant request: \$3.9M	Port Seaport Air Quality 2020 and Beyond Plan, City ECAP
6.	FHWA Charging and Fueling Infrastructure (CFI) Discretionary Grant Program, Community category	9/6/24	Install public chargers for electric vehicles at the Airport	\$15.1M	Airport Carbon Accreditation, City ECAP
7.	FHWA Charging and Fueling Infrastructure (CFI) Discretionary Grant Program, Corridor category (CEC is Lead, in partnership with CA Ports)	9/11/24	Publicly accessible zero-emission truck infrastructure along corridors serving California sea and land ports of entry.	\$1M Port match	Port Seaport Air Quality 2020 and Beyond Plan, City ECAP
8.	EPA FY 2025 Brownfields Job Training Grants (Partnership with Lifers Leaving a Legacy, Cypress Mandela Training Center, and New Testament Baptist Church)	8/14/24	Community Environmental Empowerment Project: Port of Oakland, Lifers Leaving a Legacy, and Cypress Mandela Training Center Collaborate to Bring Full-time Sustainable Employment to Bay Area Communities of Concern Develop and execute the training of East Oakland community members on hazardous waste management. Recruit, train, and provide job placement support to returning family members, veterans, unemployed, and under-employed residents of East Oakland.	\$500k	City ECAP

2024 Submitted Grant Applications (Pending Notifications)

#	Grant Program	App Submitted	Project Title	Project Cost	Plan / Strategy Alignment
9.	CARB Community Air Protection Program Community Air Grant Lifers Leaving a Legacy is Lead, supported by Port	11/1/24	People-Driven Air Quality Monitoring and Outreach for a Healthier East Oakland; mitigating youth exposure in areas of high trash density in East Oakland	\$500k	City ECAP
10.	EPA Environmental and Climate Justice Community Change Grants Program Environmental Democracy Project (EDP) is Lead, in partnership with Port and Center for Environmental Health (CEH)	11/21/24	Project to support the development of a peer education program, annual environmental health fair and the development of a Mobile Reliance Hub, collectively known as the EDP Grassroot Environmental Justice Action Institute, all focused on the 40x40 blocks that make up Deep East Oakland.	\$11.1M	City ECAP
11.	CEC Offshore Wind Energy Waterfront Facility Improvement Program	12/18/24	Strategic Advancements for Offshore Wind: Feasibility and Business Case Study for Offshore Wind Infrastructure at the Port of Oakland; planning work regarding the offshore wind industry supply chain	\$750k	City ECAP and Port Seaport Air Quality 2020 and Beyond Plan

Questions?

Thank you