

AGENDA

DES MOINES CITY COUNCIL
ENVIRONMENT COMMITTEE
City Council Chambers
21630 11th Avenue S, Des Moines, Washington
Thursday, June 13, 2024 - 5:00 PM

Environment Committee: Chair JC Harris, Vice Chair Yoshiko Grace Matsui, Gene Achziger

CALL TO ORDER

AGENDA

- Item 1. APPROVAL OF THE MINUTES FROM THE MEETING OF 05.09.2024
[05.09.24 Draft Environment Committee Minutes](#)
- Item 2. PUBLIC WORKS YARD GROUNDWATER REMEDIATION UPDATE
- *Staff will provide a summary and update regarding the ongoing groundwater remediation efforts at Public Works Yard.*
- [Public Works Yard Remediation Update 06.13.2024](#)
[Site Plan](#)
- Item 3. CAPITAL IMPROVEMENT PLAN PROJECT UPDATE
- *Staff will provide an overview of active Capital Improvement Projects*
- [Environment Committee CIP Update June 2024](#)
- Item 4. START UPDATE
- *The City's START Representatives will provide an update to the Committee.*
- [StART Update](#)

ADJOURNMENT

DRAFT MINUTES – ENVIRONMENT COUNCIL COMMITTEE MEETING 05.09.2024

The meeting was called to order at 5:00 PM, Thursday, May 9th, 2024 in the Council Chamber with the following in attendance:

Council Members

J.C. Harris (Chair)
Yoshiko Grace Matsui (Vice Chair)
Gene Achziger

City Staff

Tim George – Interim City Manager
Tommy Owen – Acting Public Works Director
Denise Lathrop – Community Development Director
Michael Posey – SWM Engineering Technician I
Cong Nguyen – Civil Engineer I
Matt Hutchins – Assistant City Attorney
Bonnie Wilkins – Director of Community and Admin Services
Sara Lee – Deputy City Clerk
Laura Hopp – Administrative Coordinator I

Guests – Mayor Traci Buxton and Councilmember Matt Mahoney

AGENDA

1. Approval of the minutes from the 04.11.2024 meeting
2. Operations and Maintenance Overview
3. Comprehensive Plan Update Memo (Follow up to the 04.11.24 Presentation)

MEETING:

1. Unanimous approval of the 04.11.2024 minutes.
2. Acting Public Works Director Tommy Owen introduced Engineering Technician Michael Posey to provide the committee with an overview of the Surface Water Utility Operations and Maintenance. This is a requirement of the City's NPDES permit. The City adopted the Western Washington Phase 2 Municipal Stormwater Permit in 2007. At that time a stormwater maintenance crew was established. We have six staff on the maintenance crew. They are responsible for maintaining this rather large system. Mr. Posey stated credit should be given to the crew for their diligence. He reviewed the details of inspection requirements and the Stormwater Pollution Prevention Plan (SWPPP) for City maintenance and storage facilities, (Attachment #2). Cong Nguyen, Civil Engineer I, provided the overview for the Asset Management and Programs and Stormwater Manual Update sections of Attachment #2. Currently there are four drainage concerns under investigation, one citizen requested pipe program project underway and five City pipe maintenance and improvement projects scheduled.

The Committee discussed the lifespan of replacement pipe that will take the place of corrugated metal pipe, catch basin quantities for areas north and south of S 240th, outreach for the Pipe Program, and recommended inviting a Zero Poo speaker to participate at a City event.

3. Attachment #3 was included as a follow-up to the April 11, 2024 Environment Committee Meeting. The Memo is a response to the questions posed by the Committee. Community Development Director Denise Lathrop stated that once all of the Comprehensive Plan element updates have been presented to the various committees for review and feedback, it will be packaged and presented to the full council. There was discussion concerning Middle Housing and tree preservation requirements.

Following the staff presentation, the Committee Chair sought direction from his colleagues regarding requesting a START representative to attend next month's committee meeting. This was approved by the committee.

Meeting adjourned at 5:28 p.m.

Minutes respectfully submitted by: Jodi Grager, Admin Coordinator

**Public Works Yard Groundwater Remediation Project Update – Environment Committee
6/13/2024**

Background:

Over the past 31 years, the City of Des Moines has been actively remediating and monitoring the site at 21650 11th Avenue South. The site is the location of two underground storage tank (UST) releases: one 4,000-gallon gasoline UST and one 1,000-gallon diesel UST located between the City of Des Moines shop and engineering building (see Figure 1). The USTs were removed in 1992, and 1,500 cubic yards of contaminated soil was excavated from the tank cavities.

The City of Des Moines has been in the Voluntary Cleanup Program (VCP) since 2000 (Site ID #NW0529) and provides annual reports to the Washington State Department of Ecology (Ecology) summarizing the quarterly groundwater monitoring and the remedial activities conducted.

Since then, 15 monitoring wells have been installed, and a groundwater recovery and air diffusing treatment system were installed in 2008. The groundwater treatment system operated until 2021 when the aging system failed. The wells have continued to be monitored, and concentrations of the constituents of concern (COCs) have been below the cleanup levels for at least four quarters in all but two wells. The last two wells, MW-3 and MW-14, have yielded results of gasoline and benzene concentrations that fluctuate slightly above and below the cleanup levels.

Recent Efforts:

- **MIHPT Investigation (April 2022)**

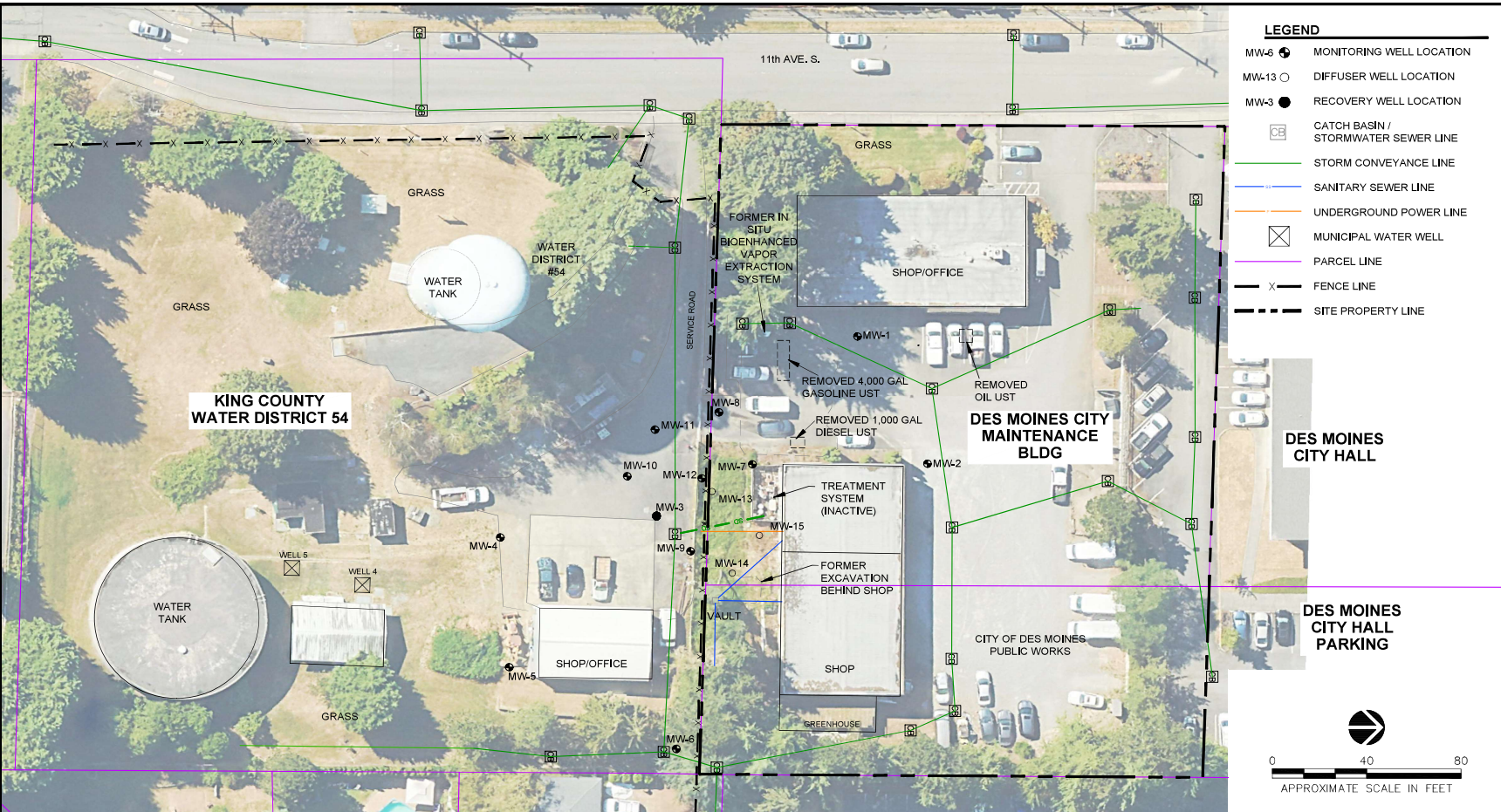
A subsurface membrane interface hydraulic profiling tool (MIHPT) investigation was performed in April 2022. This study estimated the extent of residual subsurface contamination. The MIHPT results indicated that soil contamination is greatest near the shop (north of MW-14) and the former excavation by the shop. The area upgradient of MW-3 and to the west of MW-15 showed little residual contamination (see figure 1).

- **ISCO Injection (April 2024)**

One round of in-situ chemical oxidation (ISCO) solution injection was completed in April 2024. This involved using a temporary direct-push rig that injected caustic-activated persulfate into the subsurface over an approximate 7-foot depth interval. The persulfate promotes the degradation of the remaining COCs. The field effort for the drilling and injection effort involved drilling 23 borings using push probe technology in the areas of noted residual contamination.

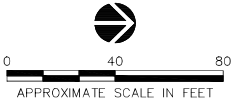
Future Efforts:




- Groundwater monitoring will be conducted after the injection activities.
- The results of follow-up groundwater monitoring will be evaluated to determine the need for additional injection(s). Subsequent groundwater monitoring could indicate that the concentrations of COCs continue to fluctuate around the cleanup levels in the last two wells. Additional injection event(s) could be warranted to degrade the residual contamination fully.
- Once all wells have attained the cleanup levels for two quarters following the last injection, the wells will be sampled for two additional quarters for the final compliance sampling. After the wells have yielded at least four quarters with all COCs results below cleanup levels, a request for a No Further Action determination will be made to Ecology.
- The City of Des Moines intends to stay in the VCP and remain active until the remediation is sufficiently complete to obtain a no further action determination.



LEGEND

- MW-6 ● MONITORING WELL LOCATION
- MW-13 ○ DIFFUSER WELL LOCATION
- MW-3 ● RECOVERY WELL LOCATION
- CB □ CATCH BASIN / STORMWATER SEWER LINE
- STORM CONVEYANCE LINE
- SANITARY SEWER LINE
- UNDERGROUND POWER LINE
- MUNICIPAL WATER WELL
- PARCEL LINE
- FENCE LINE
- - - SITE PROPERTY LINE



	CLIENT CITY OF DES MOINES		PROJECT CITY OF DES MOINES PUBLIC WORKS FACILITY 21650 11th Avenue S, Des Moines, Washington	DATE JULY 2023
			WSP USA Environment & Infrastructure Inc. 4020 Lake Washington Blvd NE, Suite 200 Kirkland, Washington 98033	TITLE SITE PLAN
				PROJECT NO. PS2308307X_02
				FIGURE 1

**Environment Committee
June 2024
Capital Project Update**

Current Construction	Phase	Status/Comment
Kent-Des Moines Culvert Replacement	CN	WSDOT Led Project; Culvert installation is complete; Final pavement restoration (Spring)
24th Ave S Pipeline Replacement Project	CN	Transportation Led Project; Construction suspended
1st Ave S Pump Replacement Project	CN	Construction 90% completed
Kent-Des Moines/16th Ave S (Segment A)	CN	Final Design & Permitting initiated with consultant KPG-PSOMAS; Construction 2024

Planning, Engineering, ROW Acquisition	Phase	Status/Comment
Des Moines Memorial Drive (208th-212th)	PE	Final Design & Permitting initiated with consultant Perteet
216th Pl/Marine View Dr Pipe Upgrade	PE	Final Design & Permitting initiated with consultant Perteet
Deepdene Outfall Project	PE	Final Design & Permitting initiated with consultant Tetra Tech; Easement secured
Massey Creek Pocket Estuary and Fish Project	PE	Preliminary Design & Permitting initiated with consultant Parametrix
Des Moines Creek Pocket Estuary Project	PE	Preliminary Design & Permitting initiated with consultant Parametrix

Projects Targeted for Grant Funding:	Phase	Status/Comment
6th Pl/287th Street Pipe Project	PE	Application to be submitted for King County Flood Control District Funds.

	Working on
	Planning on, some risk
	Resource/Schedule Risk

ENVIRONMENT COMMITTEE MEETING

June 13, 2024

StART MEETING SUMMARY

Meetings To-Date

StART – Full Meetings

Feb. 28, 2024

April 24, 2024

Federal Policy Working Group

Feb. 2, 2024

April 1, 2024

June 3, 2024

Noise Working Group

Feb. 12, 2024

March 8, 2024

June 10, 2024

PART 150 OPEN HOUSE

Mount Rainier High School

June 6, 2024

MEETING SUMMARIES

StART – Full Meetings

- Sustainable Airport Master Plan – SAMP
 - SEPA – This summer
 - NEPA – Q4 2024
 - Start of community engagement process
- Near-Term Projects – (Attachment)
- Discussion topics for 2024 meetings
 - (Attachment)

Federal Policy Working Group

- FAA Authorization
 - Funding for failed noise insulation packages and particle emissions. Funding is for study and pilot program. There is also some funding from the State, (Dept. of Commerce, \$1.0 million) and from the Port, (\$6.5 Million, funded from tax levy)
 - Funding for particle emissions.

Noise Working Group

- Part 150 Study proceeding.
 - Determines the 65 DNL Boundary?
 - Open Houses scheduled
- Report – Late Night Noise Limitation Program – Q1
- More late-night (11 PM – 2 AM) flights coming. Starting this summer.
- Sound Insulation Repair and Replacement Pilot Program. (Attached – Noise Working Group Meeting Summary)

PROCESS QUESTIONS

- Distribution of StART agendas and meeting summaries..
- City's policy/response to SAMP?
- Continue to advocate for the largest possible noise impact area.
 - More transparency on metrics used to establish impacts.
- Continue to advocate for ultra-fine particles studies and mitigation.

Aviation Noise Working Group

MEETING SUMMARY

APRIL 8, 2024; 5:00 PM – 6:30PM

VIA ZOOM VIDEOCONFERENCE

Meeting Objectives: A review of the airport's recent and expected operational trends along with the latest on the Aviation Near-term Noise Action Agenda, the 2024 Fly Quiet Awards and the Port's new Sound Insulation Repair and Replacement Pilot Program.

Meeting Summary:

- I. Facilitator Welcome, Introduction, and meeting agenda, Andrés Mantilla, Uncommon Bridges
- II. SEA Operations Recap and Preview, Steve Vittner, Airline Scheduling Manager, POS
 - Flight operations will continue to increase in the coming weeks and months
 - Q2/3 Operational Outlook: phased approach with added arrivals and departures
 - Kicked off airfield improvement work – replacing pavement
 - Busiest summer to date potentially with new services coming to SEA
 - International flights increased by 17.8% versus 5.6% for domestic
 - Increase in wide-bodied late night departures
 - New international operations begin in July
 - Noise team will track all new international flights' noise levels
 - Most of the new international carriers are flying the newest, quietest aircraft available
 - More north flow operations typically in July and August due to weather patterns
 - Members would like to understand more about the new flights and schedules and how that information might be shared within their cities
- III. Aviation Near-term Noise Action Agenda, Tom Fagerstrom, Noise Programs Manager & Paris Edwards, Noise Programs Coordinator, POS
 - Late Night Noise Limitation Program Q1 Updates
 - Noise level thresholds established for departures and arrivals between 12:00 AM and 5:00 AM
 - China Airlines Cargo had the highest number of noise exceedances at 39 with 48% of flights exceeding the noise threshold
 - High number for China Cargo Airlines because of the fuel stops they make at SEA
 - Q1: 183 total noise exceedances
 - Most are Boeing 747 with 70 exceedances
 - Almost all exceedances due to departures occur on the east runway

- Members inquired if there was a correlation between the increase in complaint numbers and the increase in late night noise exceedances?
 - Late Night Runway Use
 - Average of 1.3 third runway landings per late night in 2024 thru March
 - No late night third runway landings in April to date
 - Noise Comment Report Summary for February
 - 2023: 6,903 noise comments
 - 2024: 16,557 noise comments
 - 42% percent increase but similar numbers to months prior to 2023
 - A member encouraged people to make complaints through the Port app as it aggregates additional information
 - Current complaint levels do not correlate with noise levels
- IV. 2024 Fly Quiet Awards, Paris Edwards, Noise Programs Coordinator, POS
- Encourages airline compliance with noise abatement efforts
 - Three winning airlines: Air Canada and Frontier Airlines (also last year's winners)
 - Low levels of operational noise
 - Utilizing new and quieter aircraft
 - Delta Air Lines: For significant improvement efforts at minimizing noise
 - 40% of Delta's operation included newer, quieter Airbus A220, Airbus A321Neo, and Airbus A33Neo aircraft
 - Announcement at Port Commission meeting 5/14, Port press release, advertisements
- V. One Engine Taxiing Language, Marco Milanese, Community Engagement Manager, POS
- One Engine Taxiing language has modest noise benefits
 - Language promoting its use in development
 - Hope to share new language at the next meeting
- VI. Sound Insulation Repair and Replacement Pilot Program, Ryan McMullan, Noise Programs Senior Manager, POS
- Incorporates Equity Guidelines
 - \$6.5 M funded by tax levy
 - Review of what will be studied and why, key decisions, and finalizing an approach document
 - Boundary of assessment
 - Methods of outreach
 - Acoustic testing
 - Criteria for participation
 - ESA (consultants)
 - Development of assessment

- Development of database for collection of responses
- Analysis of data
- Report composition
- Now – drafting survey
 - Sharing survey questions with Working Group in early May via email
- Will share results of survey and criteria for the pilot program
- Engaging with the Port’s Office of Equity, Diversity, and Inclusion

VII. SEA Sound Insulation Update

- Continue to conduct outreach every quarter for those eligible who have not participated
- Completed acoustic testing on two homes and planned two additional acoustic testing dates
- Provided maps of potentially eligible properties, 2024 projects and recently completed work.

VIII. Wrap Up

- Next meeting June 10th

MEMBER	INTEREST REPRESENTED	PRESENT
ADOLFO BAILON	BURIEN - CITY	✓
AMY ARRINGTON	NORMANDY PARK – CITY	✓
BILL VADINO	FEDERAL WAY – CITY	✓
BRYAN TOMICH	NORMANDY PARK – COMMUNITY	✓
GARMON NEWSOM II	BURIEN – CITY	-
CARL COLE	SEATAC – CITY	-
DAVE BERGER	FEDERAL WAY – COMMUNITY REPRESENTATIVE	✓
DENISE LATHROP	DES MOINES - CITY	-
JASON WOYCKE	DES MOINES – CITY	✓
JEFF HARBAUGH	BURIEN – COMMUNITY REPRESENTATIVE	✓
JENNIFER MARTIN	AIR CARGO REPRESENTATIVE	-
JOE DUSENBURY	DES MOINES – COMMUNITY REPRESENTATIVE	✓
MICHAEL BRUGATO	FEDERAL WAY – COMMUNITY REPRESENTATIVE	
LANCE LYTTLE	PORT OF SEATTLE	✓
LYNAE CRAIG	ALASKA AIRLINES	✓
RANDY FIERTZ	ALASKA AIRLINES	-
ROGER KADEG	SEATAC – COMMUNITY REPRESENTATIVE	✓
SCOTT INGHAM	DELTA AIR LINES	✓
SCOTT KENNEDY	ALASKA AIRLINES	✓
ZACH SHIELDS	SEATAC – CITY	✓
RESOURCES		
SARAH COX	PORT OF SEATTLE	-
STEVE VITNER	PORT OF SEATTLE	✓
DAVE KAPLAN	PORT OF SEATTLE	✓
MARCO MILANESE	PORT OF SEATTLE	✓
CLARE GALLAGHER	PORT OF SEATTLE	-
TOM FAGERSTROM	PORT OF SEATTLE	✓

StART Aviation Noise Working Group

4/8/24

RYAN McMULLAN	PORT OF SEATTLE	✓
PARIS EDWARDS	PORT OF SEATTLE	✓
JOSEPH BURT	FAA	✓
CHRIS SCHAEFFER	FAA	✓
RYAN ZULAUF	FAA	-
CONSULTANTS		
ANDRES MANTILLA	UNCOMMON BRIDGES	✓
SKYLAR BENSON	UNCOMMON BRIDGES	✓
VINCE MESTRE	CONSULTANT	✓

NEXT MEETING: JUNE 10, 2024, 5:00 - 7:00 PM
LOCATION: ZOOM VIDEOCONFERENCE

Sustainable Airport Master Plan Near-Term Projects Environmental Review

Steve Rybolt
Senior Environmental Program Manager

StART – February 28, 2024

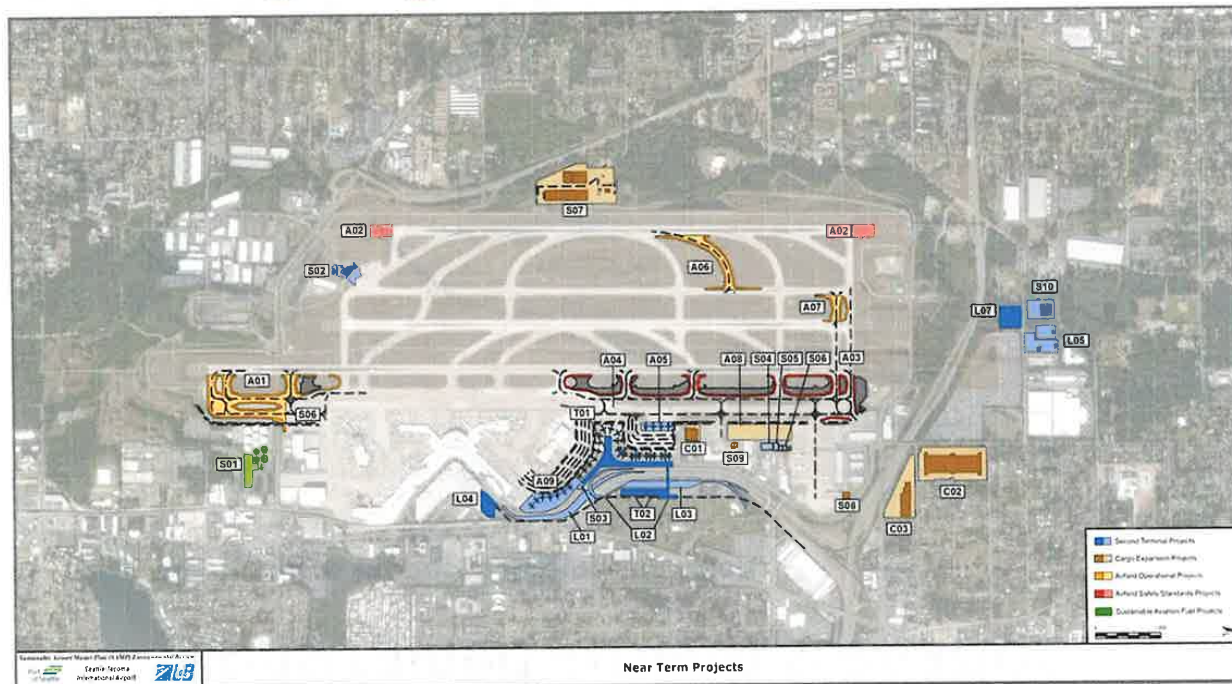


Sustainable Airport Master Plan

Near-Term Projects

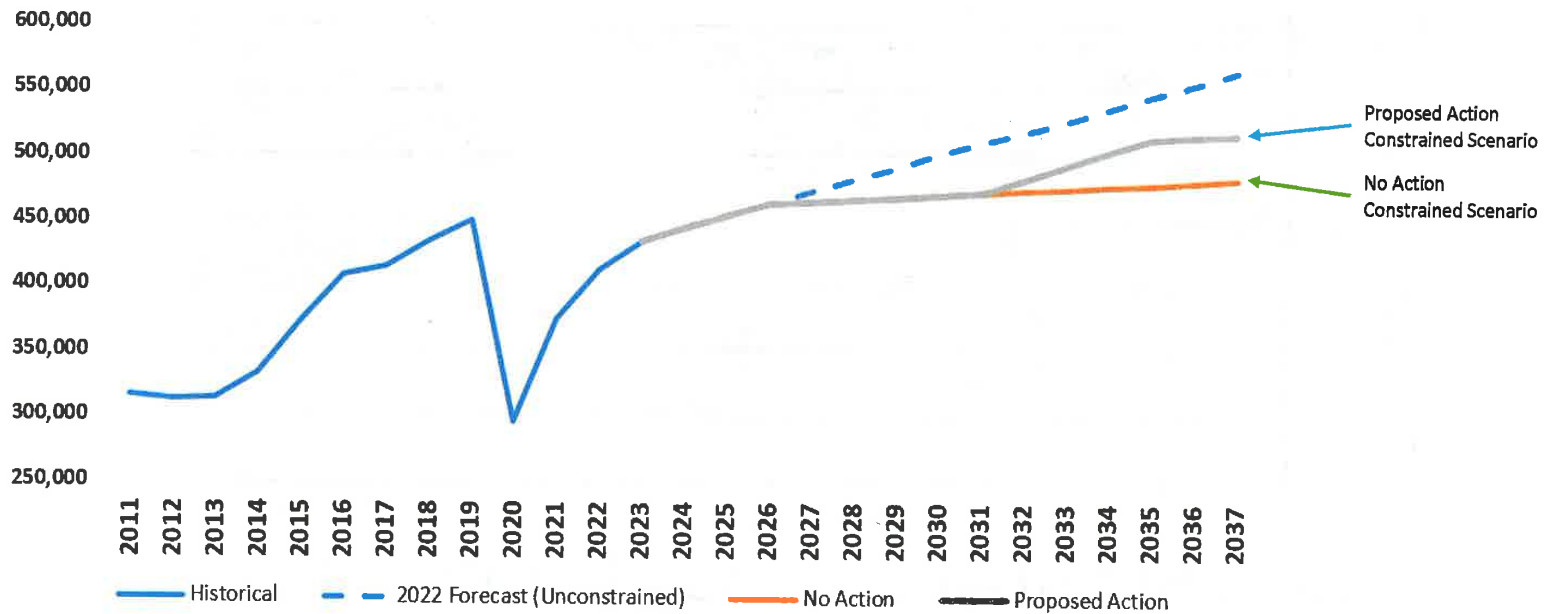
- Additional passenger processing facilities and gates to accommodate projected 56 Million Annual Passengers (MAP) at an optimal Level of Service
- Additional cargo facilities to accommodate projected cargo demand
- Airfield infrastructure modifications to meet current Federal Aviation Administration airport design standards
- Improvements to enhance the efficiency of the overall taxiway layout
- Additional fuel storage facilities to meet projected demand and the Port's Sustainable Aviation Fuel initiative

Near-Term Projects Undergoing Environmental Review



Environmental review analysis based on constrained growth scenarios

No Action vs Proposed Action Operations



NEPA Resource Categories

- Air Quality
- Biological Resources
- Climate
- Coastal Resources
- Department of Transportation (DOT) Section 4(f)
- Farmlands
- Hazardous Materials, Solid Waste, and Pollution Prevention
- Land Use
- Historical, Architectural, Archeological, and Cultural Resources
- Natural Resources and Energy Supply
- Noise and Noise-Compatible Land Use
- Socioeconomics, Environmental Justice, and Children's Environmental Health and Safety Risks
- Visual Effects
- Water Resources
 - Wetlands, floodplains, surface waters, groundwater, wild and scenic rivers

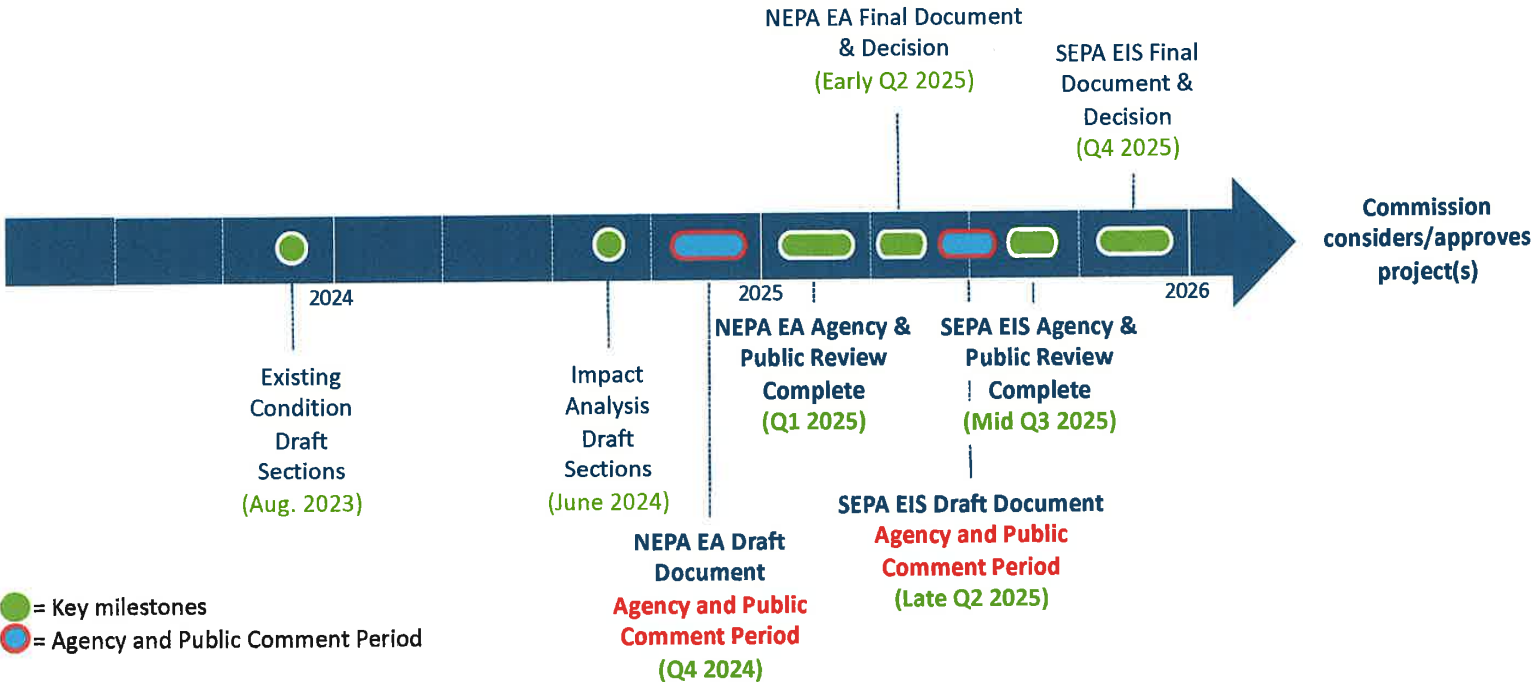
FAA is lead agency for NEPA and the document will cover an extensive set of resource categories

SEPA Elements of the Environment

- Earth
 - Geology soils, topography, Unique physical features, Erosion/enlargement of land area
- Air
 - Air quality, odor, climate
- Water
 - Surface water movement/quantity/quality, runoff/absorption, floods, groundwater movement/quantity/quality, public water supplies
- Plants and animals
 - Habitat for and numbers or diversity of species of plants, fish, or other wildlife, unique species, fish or wildlife migration routes
- Energy and natural resources
 - Amount required/rate of use/efficiency, source/availability, nonrenewable resources, conservation and renewable resources, scenic resources
- Environmental health
 - Noise, risk of explosion, releases or potential releases to the environment affecting public health, such as toxic or hazardous materials
- Land and shoreline use
 - Relationship to existing land use plans and to estimated population, housing, light and glare, aesthetics, recreation, historic and cultural preservation, agricultural crops
- Transportation
 - Transportation systems, vehicular traffic, waterborne, rail, and air traffic, parking, movement/circulation of people or goods, traffic hazards
- Public services and utilities
 - Fire, police, schools, parks or other recreational facilities, maintenance, communications, water/stormwater
- Sewer/solid waste

Port is the lead agency for the SEPA and the document will cover an extensive set of environmental elements

Schedule



APRIL 24, 2024

FULL START MEETING: ISSUES

AIRCRAFT NOISE

- > NIGHT NOISE
- > NEW LEGISLATION (STATE)
- > CARGO AIRCRAFT EQUIPMENT (COMMUNITY IMPACTS)
- > COMMUNICATION TO PUBLIC BY SEA
- > FUEL INCENTIVES/ POLICY
- > SOUND ABATEMENT

□ INFORMATION + SOLUTIONS/ RESTRICTIONS

POLICY

- > STATE LEGISLATION
- > FUEL INCENTIVES/ POLICY
- > 65 & 4
- > 5955
- > NOISE METRICS
- > SECOND AIRPORT +

> COMPENSATION OF MUNICIPALITIES + SCHOOL DISTRICTS FOR NOISE IMPACTS

> STATE-FUNDED PILOT PROGRAM

PROCEDURES

- > EMISSIONS
- > ULTRAFINE PARTICLES
- > + DATA INTERPRETATION FURTHER STUDIES
- > AIR QUALITY METRICS

→ IMPACTS ON AREA SCHOOLS

BRAINSTORM

PLANS

- > USABILITY OF THE EXISTING AIRPORT
- > LAND STEWARDSHIP PLAN
- > TREE CANOPY
- > NORTH SEATTLE PARK
- > MULTI-MODAL TRANSPORTATION
- > CAMP

NOISE STUDY

NON-AIRCRAFT TOPICS

- > NON-AIRCRAFT NOISE + MITIGATION/BARRIERS
- > QUALITY OF LIFE (BEYOND AIRCRAFT)



e.g. AIR QUALITY

- > STORM WATER QUALITY, SALMON RUN INITIATIVES
- > PUBLIC SAFETY ULTRAFINE PARTICLE IMPACTS
- > LAND USE
- > TRANSPORTATION IMPACTS
- > WORKFORCE HOUSING