

Agenda



Metro

600 NE Grand Ave.
Portland, OR 97232-2736

Meeting: Metro Technical Advisory Committee (MTAC) meeting
Date: Wednesday, July 15, 2020
Time: 10:00 a.m. – 12 noon
Place: Virtual meeting, Zoom Meeting ID: 890 4324 8163
Password: 408529
<https://us02web.zoom.us/j/89043248163>
877 853 5257 US Toll-free

10:00 am	1.	Call To Order, Quorum Declared and Introductions	Tom Kloster, Chair
10:10 am	2. *	Comments from the Chair <ul style="list-style-type: none">• COVID-19 updates and information from Metro & Region (Chair Kloster/all)• Fatal Crashes Update (Lake McTighe)• Middle Housing Webinar Announcement for July 16 (Rebecca Small)	
10:20 am	3.	Committee and Public Communications On Agenda Items	
10:25 am	4. *	Minutes Review from MTAC May 20, 2020 meeting	
10:30 am	5. *	Multnomah County Drainage Districts and Levee Ready Columbia Projects Purpose: Provide information on the Multnomah County Drainage Districts, the Levee Ready Columbia project, and a USACE New Start Feasibility Study for modernizing the levee system and addressing key vulnerabilities. <ul style="list-style-type: none">• <u>Information/Discussion</u>	Colin Rowan, MCDD Mark Wilcox, MCDD Laura Hicks, US Army Corps of Engineers
11:30 am	6. *	Building Blocks for Regional Resilience Purpose: To inform about and gather feedback on the upcoming EPA funded workshop on regional resilience to natural hazards. <ul style="list-style-type: none">• <u>Information/Discussion</u>	Sasha Pollack, Metro Laura Hanson, RDPO Abby Hall, EPA
12:00 pm	7.	Adjourn	Tom Kloster, Chair

Next MTAC Meeting: September 16, 2020

Next TPAC/MTAC Workshop Meeting: August 19, 2020

***Material will be emailed with meeting notice**

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ឬដើម្បីទទួលបានក្បួនប្រកាស រឺសេចក្តីសម្រេចនៃសវនាការស្តីពី
www.oregonmetro.gov/civilrights
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បុគ្គលិកណាមួយ: សូមទូរស័ព្ទលេខ 503-797-1890 (ម៉ោង 8 រឺក្នុងម៉ោង 5 ល្ងាច
ថ្ងៃអាទិត្យ) ប្រាំពីរថ្ងៃ
មុនថ្ងៃដែលអ្នកត្រូវចូលរួមក្នុងសវនាការសំណើរបស់លោកអ្នក

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**2020 Metro Technical Advisory Committee (MTAC) Work Program
As of 7/17/2020**

<p>January 15, 2020 – MTAC Meeting <u>Comments from the Chair</u></p> <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> • Missing Middle Housing/HB 2001 implementation (Oregon Department of Land Conservation & Development staff, Ethan Stuckmayer; 30 min) • Beaverton’s Housing Options Project (Anna Slatinsky, 40 min) • Portland’s Residential Infill Project (Tom Armstrong, 40 min) 	<p>March 18, 2020 – MTAC Meeting CANCELLED <u>Comments from the Chair</u></p> <ul style="list-style-type: none"> • Fatal Crashes Update (Lake McTighe) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> • Metro Parks & Nature Updates (Jonathan Blasher; 45 min) • Housing Bond Measure, Implications and Communications Update (Jes Larson and Emily Lieb, Metro; 45 min)
<p>May 20, 2020 – MTAC Meeting – Virtual Meeting <u>Comments from the Chair</u></p> <ul style="list-style-type: none"> • Meeting online logistics reminder (Chair Kloster) • COVID-19 updates and information from Metro & Region (Chair Kloster & all) • Fatal Crashes Update (Lake McTighe) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> • Transportation Regional Investment Measure Update (Andy Shaw/Tyler Frisbee, Metro; 20 min) • Prosper Portland Economic Relief Work Updates and Programs (Tory Campbell, Prosper Portland/ Jeffrey Raker, Metro, 45 min) • Supportive Housing Measure and Plans for Implementation (Jes Larson, Metro; 20 min) 	<p>July 15, 2020 – MTAC Meeting – Virtual Meeting <u>Comments from the Chair</u></p> <ul style="list-style-type: none"> • COVID-19 updates and information from Metro & Region (Chair Kloster & all) • Fatal Crashes Update (Lake McTighe) • Middle Housing Webinar Announcement for July 16 (Rebecca Small) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> • Multnomah County Drainage Districts and Levee Ready Columbia (Colin Rowan/Mark Wilcox, MCDD Laura Hicks, US Army Corps of Engineers, 60 min) • Building Blocks for Regional Resilience (Sasha Pollack, Metro/Laura Hanson, RDPO/Abby Hall, EPA; 30 min)
<p>September 16, 2020 – MTAC Meeting – Virtual Meeting <u>Comments from the Chair</u></p> <ul style="list-style-type: none"> • COVID-19 and racial equity updates from Metro & Region (Chair Kloster & all) • Fatal Crashes Update (Lake McTighe) • 2040 Refresh and MPAC Updates (Ted Reid) • 2040 Planning and Development Grants Program Updates (Lisa Miles/Tim O’Brien) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> • Missing Middle Housing/HB 2001 implementation updates(Oregon Department of Land Conservation & Development staff, Ethan Stuckmayer; 45 min) • Distributed Forecast (Chris Johnson/Dennis Yee/Ted Reid; 40 min) 	<p>November 18, 2020 – MTAC Meeting – Virtual Meeting <u>Comments from the Chair</u></p> <ul style="list-style-type: none"> • COVID-19 and racial equity updates from Metro & Region (Chair Kloster & all) • Fatal Crashes Update (Lake McTighe) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> • Willamette Falls Legacy Project and Design Updates (Brian Moore/Carrie Belding, Metro; 45 min)

Parking Lot: Future Topics

- House Bill 2001 Update; relating to affordable housing (scheduled Sept.)
- House Bill 2003 Update; Relating to buildings and housing needs
- SW Corridor Updates and Equity Coalition (Brian Harper, Metro and others?)
- Unmanned aircraft system (UAS) technology program updates (Matthew Hampton, Metro and others?)

MTAC meetings held every other month on the 3rd Wednesday of the month from 10:00 a.m. to 12 p.m.
For MTAC agenda and schedule information, call 503-797-1766 or e-mail marie.miller@oregonmetro.gov
In case of inclement weather, call 503-797-1700 by or after 6:30 a.m. for building closure announcements.

**2020 Metro Technical Advisory Committee (MTAC) and
Transportation Policy Alternatives Committee (TPAC) workshop meetings Work Program
As of 7/17/2020**

<p>February 19, 2020 – TPAC/MTAC Workshop <u>Comments from the Chair</u></p> <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> • Regional Emergency Transportation Routes (ETR) Update-Draft Criteria and Methodology (Kim Ellis, Metro/Laura Hanson, RDPO/Thuy Tu, Thuy Tu Consulting/ Allison Pynch, Salus Resilience; 45 min) • Regional Barometer (Cary Stacey, 30 min) • Regional Transportation Safety Discussion (McTighe; Mickelberry, 30 min) 	<p>April 15, 2020 – TPAC/MTAC Workshop – Virtual mtg. <u>Comments from the Chair</u></p> <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> • Regional Mobility Policy Update Background Research Report (Kim Ellis, Metro/Jennifer Dill, TREC/Max Nonnamaker, PSU/ Lidwien Rahman/ ODOT; 30 min) • Metro Parks & Nature Updates (Beth Cohen; 20 min) • Housing Bond Measure, Implications and Communications Update (Emily Lieb/Jes Larson, Metro; 25 min)
<p>June 17, 2020 – TPAC/MTAC Workshop CANCELLED <u>Comments from the Chair</u></p> <p><u>Agenda Items</u></p>	<p>August 19, 2020 – TPAC/MTAC Workshop- Virtual mtg. <u>Comments from the Chair</u></p> <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> • Governor Brown’s Climate Action Executive Order: Implications for land use and transportation planning, (Amanda Pietz, ODOT/TBD DLCD staff; 60-90 min)
<p>Oct. 21, 2020 – TPAC/MTAC Workshop – Virtual mtg. <u>Comments from the Chair</u></p> <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> • Regional Emergency Transportation Routes (ETR) Update-Draft ETR Routes and Report (Kim Ellis, Metro/Laura Hanson, RDPO/Thuy Tu, TTU Consulting/ Allison Pynch, Salus Resilience/Erica McCormick, Cascade; 45 min) • Regional Mobility Policy Update (Kim Ellis, Metro/Lidwien Rahman, ODOT/Susie Wright, Kittelson, 40 min) 	<p>Dec. 16, 2020 – TPAC/MTAC Workshop – Virtual Mtg. <u>Comments from the Chair</u></p> <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> • Regional Mobility Policy Update (Kim Ellis, Metro/Lidwien Rahman, ODOT/ Susie Wright, Kittelson; 50 min) • <i>MTIP/RTP agenda item (need more info from Grace/Kim/Ted on this; 40 min)</i>

TPAC/MTAC workshops held every other month starting February on the 3rd Wednesday of the month from 10:00 a.m. to 12 p.m.

For agenda and schedule information, call 503-797-1766 or e-mail marie.miller@oregonmetro.gov

In case of inclement weather, call 503-797-1700 by or after 6:30 a.m. for building closure announcements.



Memo

Date: July 2, 2020
 To: Transportation Policy Advisory Committee (TPAC), Metro Technical Advisory Committee (MTAC) and interested parties
 From: Lake McTighe, Regional Planner
 Subject: Monthly fatal crash update

The purpose of this memo is to provide an update to TPAC, MTAC and other interested parties on the number of people killed in traffic crashes in Clackamas, Multnomah and Washington Counties over the previous month and the total for the year.

Fatal crash information is from the Preliminary Fatal Crash report from the Oregon Department of Transportation's (ODOT) Transportation Data Section/Crash Analysis and Reporting Unit.

There are typically several contributing factors to serious crashes. Alcohol and drugs, speed, failure to yield the right-of-way, and aggressive driving are some of the most common causes. Road design and vehicle size can contribute to the severity of the crash.

2020 Monthly fatal crash update- As of 06/22/20		
Number fatal crashes	Crash types	By county
January 2020: 11	5 Pedestrian 1 Motorcycle 5 Motor Vehicle	Clackamas: 3 Multnomah: 6 Washington: 2
February 2020: 8	2 Pedestrian 1 Bicycle 3 Motor Vehicle 1 MV/Commercial Motor Vehicle 1 Motorcycle	Clackamas: 1 Multnomah: 5 Washington: 2
March 2020: 7	1 Pedestrian 3 Motor Vehicle 1 Motorcycle 2 MV/Commercial Motor Vehicle	Clackamas: 1 Multnomah: 4 Washington: 2
April 2020: 2	1 Motorcycle 1 MV/Commercial Motor Vehicle	Clackamas: 1 Multnomah: 1
May 2020: 5	5 Motor Vehicle	Clackamas: 3 Multnomah: 2
June 2020: 7	6 Motor Vehicle 1 Pedestrian	Clackamas: 3 Multnomah: 4
Total: 40	9 Pedestrian 1 Bicycle 9 Motorcycle 17 Motor Vehicle 4 MV/Commercial Motor Vehicle	Clackamas: 12 Multnomah: 22 Washington: 6

Source: ODOT Preliminary Fatal Crash Report

June 2020 (as of 6/22/20)

Kelly Ann, age 59, killed in a head on crash, Clackamas County, 6/19/20
Unknown, killed in motor vehicle crash, Multnomah County, 6/7/20
Janes and Wolford, age 68 and 62, killed in a rollover crash, Clackamas County, 6/5/20
Miro Nik, age 51, killed while walking in a hit and run crash, Multnomah County, 6/4/20
Bruce, age 49, killed in a motor vehicle crash, Multnomah County, 6/4/20
Unknown, killed in a motor vehicle crash, Multnomah County, 6/1/20

May 2020 (as of 6/22/20)

Michael, age 61, killed in a head on crash, Clackamas County, 5/21/20
Michael, age 45, killed in a head on crash, Clackamas County, 5/21/20
Name unknown, age unknown, killed in a crash, Multnomah County, 5/17/20
Alex, age 33, killed in a rollover crash, Multnomah County, 5/15/20
John, age 22, killed in a rollover crash, Clackamas County, 5/6/20

April 2020

Brandon, age 32, Multnomah County, at the intersection of SE 148th Avenue and SE Powell Boulevard, killed while riding a motorcycle in a hit and run crash, 4/14/20
Unknown, age 7, Clackamas County, SE Platz and 362nd, killed in a head-on crash with a semi-truck, (it is possible that speed was a contributing factor in the crash), 4/13/20

March 2020

Cornwell, age 19 and Bonneville, age 80, Multnomah County, Columbia River Highways, killed in multi-vehicle crash involving 2 motor vehicles and 3 commercial vehicles, 3/24/20
Lulia, age 39, Multnomah County, killed while walking, 3/17/20
Andrew, age 35, Washington County, killed in single vehicle crash, 3/5/20
Tina, age 52, Multnomah County, killed in single vehicle crash, 3/4/20
Joyce Ann, age 61, Clackamas County, killed while driving, 3/2/20
Reginald, age 36, Washington County, killed while riding a motorcycle, 3/1/20

February 2020

Fermin, age 50, killed while driving, 2/29/20
Chantel, age 36, killed while walking, 2/29/20
Christopher, age 36, killed riding a motorcycle, 2/29/20
Jerry, age 37, Multnomah Co., killed riding bicycle, 2/17/20
Stacey, age 42, Multnomah Co., pedestrian killed in a parking lot, 2/14/20
William, age 55, Washington Co., killed in a rollover crash, 2/14/20
Yevgeniy, age 25, Multnomah Co., killed in a rear end crash with commercial motor vehicle, 2/8/20
Korey, age 49, Washington Co., killed in a head-on crash, 2/5/20

January 2020

Charles Anthony, age 16, Clackamas Co., killed in single vehicle crash, 1/29/20
Samual, age 22, Multnomah Co., killed while walking, 1/28/20
Salvador Cruz, age 52, Multnomah Co., killed in T-bone motor vehicle crash, 1/25/20
Unknown, age unknown, Clackamas Co., killed in single vehicle crash, 1/24/20
Stephanie, age 33, Clackamas Co., killed in head-on crash, 1/22/20
Eugene, age 50, Multnomah Co., killed in a motorcycle crash, 1/18/20
Chun Shik, age 63, Washington Co., killed in a motor vehicle crash, 1/17/20
Michael Daniel, age 62, Multnomah County, killed while walking, 1/14/20
Leslie, age 51, Washington Co., killed while walking, 1/14/20

Denise, age unknown, Multnomah Co., killed while walking, 1/9/20
Luis, age 11, Multnomah Co., killed while walking, 1/6/20



Home Builders Association
of Metropolitan Portland



Metro



photo credit: Green Hammer/Bill Purcell

Modern Middle Housing Virtual Tour

2:30 to 3:30 p.m. (optional Q&A to follow)
Thursday, July 16

After a half-century hiatus, cities in Oregon are re-introducing “middle” housing back into residential neighborhood as they respond to new state laws and the changing needs of our communities

But these aren't your grandfather's cottage clusters. New middle housing styles combine the best of contemporary design, green construction and modern amenities, providing residents with more choices at a variety of price points.

Join Metro, the Home Builders Association of Metropolitan Portland, and the Build Small Coalition to learn about the state of middle housing and explore six exciting projects that are shifting the way we think about housing.

Zoom Webinar

Click [here](#) to register. The information for joining the meeting will be emailed to you with your registration confirmation. This event is free.



Representative Julie Fahey (District 14 - West Eugene and Junction City) is Chair of the Interim House Committee on Housing and was a key driver of the HB 2001 legislation middle housing that expands opportunities for middle housing. She

will introduce this virtual tour featuring six local developers who are reimagining middle housing for the modern age: [Blue Sky Property Northwest](#), [Green Hammer](#), [Marnella Homes](#), [Portland Houseworks](#), [Roost Homes](#), and [SQFT](#)





Meeting minutes

Meeting: **Metro Technical Advisory Committee (MTAC) meeting**

Date/time: Wednesday, May 20, 2020 | 10 a.m. to 12 p.m.

Place: Virtual video conference call meeting via Zoom

Members Attending

Tom Kloster, Chair
Katherine Kelly
Laura Weigel
Denny Egner
Erika Palmer
Jeff Owen
Jennifer Donnelly
Anne Debbaut
Mary K. McCurdy
Ramsey Weit
Tom Armstrong
Jeannine Rustad
Jerry Andersen
Carol Chesarek
Jean Senechal Biggs
Adam Barber
Nina Carlson
Tom Bouillion
Darci Rudzinski
Ezra Hammer

Affiliate

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TriMet
Department of Land Conservation & Development
Department of Land Conservation & Development
1000 Friends of Oregon
Housing Affordability Organization Representative
City of Portland
Tualatin Hills Parks & Recreation District
Clackamas County Citizen
Multnomah County Citizen
City of Beaverton
Multnomah County
NW Natural, Service Providers/Private Utilities
Port of Portland
Private Economic Development Organizations
Home Builders Association of Metropolitan Portland

Guests Attending

Amy Fleck-Rosete
Tory Campbell
Kim Rybold
Phone caller unidentified

Affiliate

Prosper Portland
Prosper Portland

Metro Staff Attending

Andy Shaw, GAPD Office
Tyler Frisbee, Policy Advisor
Jes Larson, Principal Regional Planner
Molly Cooney-Mesker, Communications
Lake McTighe, Transportation Planner
John Mermin, Senior Transportation Planner
Matthew Hampton, Senior Transp. Planner
Cindy Pederson, Sr. Manager, Research
Marie Miller, TPAC & MTAC Recorder

Chris Johnson, Manager II, Research Center
Tim O'Brien, Principal Regional Planner
Tim Collins, Senior Transportation Planner
Ally Holmqvist, Senior Transportation Planner
Jeffrey Raker, Regional Economic Planner
Kim Ellis, Principal Transportation Planner
Monica Krueger, Regional Planner
Patrick Dennis, Financial Analyst

1. Call to Order and Introductions

Chairman Tom Kloster called the meeting to order at 10 a.m. Introductions were made.

2. Comments from the Chair

- **Meeting online logistics reminder** (Chairman Kloster) Reminders of how meeting logistics worked in Zoom were given, including videos from individuals, mute/unmute sounds, Q&A feature for technical support or questions during the meeting, the side panel to see lists of panelists and attendees, where hands raised is located, and how to rename themselves.
- **COVID-19 updates and information from Metro & Region** (Chairman Kloster) Metro's Chief Operating Officer recently announced the continued closure of Metro Regional Center during the pandemic as recovery stages are developed and implemented. The Council is working to reconcile operating budgets with planned reduced staff schedules this summer. Chairman Kloster reported the advisory committees would continue to proceed via virtual meetings as the situation continues to evolve.
- Jeff Owen reported that TriMet has information on COVID related updates on their webpage trimet.org/health. Currently TriMet is requiring riders wear face coverings and has installed dispensers for every bus and train. The TriMet Board meets May 27 to discuss their updated budget. The public can view this meeting online.
- Jeannine Rustad announced that as soon as the Stay Home Stay Safe initiative started, Tualatin Parks & Recreation laid off all part time staff. Another round of layoffs left just 140 active workers employed. On a positive note, skate parks and tennis courts would be reopening soon, projects planned were out for bid and coming in lower than expected, and summer camps would open in July with limited capacity and low in staff for accommodations.
- **Fatal Crashes Update** (Lake McTighe) Ms. McTighe provided an update on fatal crashes in the 3-county region. Fatal crash information is from the Preliminary Fatal Crash report from the Oregon Department of Transportation's (ODOT) Transportation Data Section/Crash Analysis and Reporting Unit. Since the COVID-19 outbreak there has been a reduction in the crash rate, but higher speeds are being reported. Full information on fatality crashes to date was reported in the packet memo. It was noted this data is important to share with agencies across the region so that safety stays foremost in planning.

3. Committee and Public Communications on Agenda Items

- Ezra Hammer recognized the quick action from jurisdictions and agencies in responding to the COVID-19 situation to put systems in place to allow progressive electronic inspections, land use application and technical support with new development in the housing market. The forward thinking and safety processes put in place allowed for continuing construction for housing on economic progress in challenging times and showed the resiliency with government and business in the region.
- Jennifer Donnelly noted upcoming virtual meetings held by the Department of Land Conservation and Development (DLCD) on Climate Smart, Land Use Planning, Rulemaking and Greenhouse gas reduction goals. Meetings are listed on the DLCD website with agendas. The public is encouraged to attend online.
- Jean Senechal Biggs announced Beaverton is in the process of updating their methodology for affording housing and land use development given the challenging housing issues. Their board is looking at affordable housing waivers and residential tiering moving forward.

4. **Minutes Review from MTAC/TPAC April 15, 2020 workshop.** Chairman Kloster asked if any members had edits or corrections to the MTAC/TPAC April 15, 2020 workshop minutes as presented to send these directly to Marie Miller.

5. **2020 Transportation Regional Investment Measure Update (Tyler Frisbee, Metro)**

Ms. Frisbee presented an overview of the planned 2020 Transportation Regional Investment Measure. The region has voiced concern for affordable housing, preserving access to open space, and addressing increased traffic and congestion with safety and equity concerns. Metro has passed the regional affordable housing bond, the open space protection bond, and just recently the homeless services bond. Currently we are addressing transportation issues with this proposed bond measure to voters later this year.

The bond measure would build 115-120 miles of roadway improvements, 60 miles of roadway planning, 11 new miles of MAX lines with the SW Corridor, 40-45 miles of new sidewalks, 4,000 new street lights, 280 safe marked crossings, 130-140 miles of improved bikeways, 25-30 miles of new bus lanes, and 260 new transit priority signals.

There are 16 investment corridors identified in the 3-county region. In addition, several region-wide programs that address safety, anti-displacement strategies and affordable housing, and bus electrification and planning for the future. The estimated construction spending on corridors is \$4 billion. Estimated construction jobs from the measure is over 37,500 family wage jobs. Credit for the diverse and wide-range support from the region with the public, agencies, jurisdictions and elected that held form this vision was given. The proposed measure is planned to be on the ballot in November.

Comments from the committee:

- Jeff Owen appreciated the hard work from the entire team with these efforts.
- Jeannine Rustad asked if consideration was given to possible voter fatigue with several bond measures. Ms. Frisbee noted that each measure was evaluated by voters by several elements including budgets, their value to the region and purpose. Multiple measures have not lessened interest from voters. The current transportation bond measure proposes no property taxes for revenues with the budget matrix. More polling and public outreach will take place before Metro Council decides on placing this measure in the November election.
- Nina Carlson raised concern with planned all electric buses with TriMet, at a time when ridership is down temporarily with the COVID situation but demand for more service is up. She suggested exact wording on this. Ms. Frisbee noted the bus electrification focused on greenhouse gas fuels for the system.

6. **Prosper Portland Economic Relief and Recovery Work Updates and Programs (Tory Campbell, Prosper Portland/Jeffrey Raker, Metro)**

Jeffrey Raker introduced Tory Campbell, Economic Development Director of Prosper Portland. Mr. Raker noted that in the last two months Oregon has lost 260,000 jobs, reaching 14.2% unemployment, the deepest recession on record. While certain sectors of the economy may bounce back quickly as the region implements a recovery strategy, a full recovery is not expected for 4-5 years. Prosper Portland is setting the standard for business investment planning to help in the region's recovery.

Mr. Campbell provided an update on the COVID-19 economic impact and recovery efforts taken by Prosper Portland. Key priorities beginning in March to May include:

- Connections to CARES & Communication Campaigns
- Establish workgroups to provide recommendations and refine and implement equity lens
- Create a small business relief fund, launch phase one loan and grant awards. Pursue additional resources for the fund.
- Establish strategy to deploy federal resources and refine legislative agenda
- Develop roadmap and plan for reopening

The Portland Small Business Relief Fund Provide small grants and no interest loans to COVID-19 impacted small businesses, and provides interim relief and enable them to retain their business and employees. In a very short time, 8,777 applications were received and 280 grants awarded; 90% to people of color, 61% to women. The grant awardees were divided widely between ethnical races, reaching 25% Black African American, 21% Latinix or Hispanic, and 17% Asian, and 14% Native American.

An Economic Impact and Intervention Task Force was formed that lead with a racial equity lens. Elements evaluated were addressing the digital divide, reducing commercial evictions, evaluating city practices, and support for displaced workers. The organization has begun a series of listening sessions for Portland re-emergence and local business engagement. Their goals are:

- Share information about new health requirements and understand business community's questions and concerns
- Identify reopening challenges and opportunities from different industry segments & culturally specific communities
- Partner with culturally-specific and industry-specific leaders to host a diverse array of business voices.
- Incorporate business voices using Equity & Vulnerability Lens

The listening sessions will roll out in phases as different communities and industries begin their economic recovery efforts.

Comments from the Committee:

- Jeff Owen appreciated the presentation and compelling information. It was requested this presentation be provided and shared following the meeting.
- Mr. Raker credited Prosper Portland with the leadership efforts for this regional scale, pulling partners together and acting so quickly with the relief and recovery efforts. Organizations can now build on economic comprehensive strategies to find gaps in best practices, guides to secure region-wide economic development and rapid response plans, opportunities for more funding, and legislative opportunities with a possible summer session for both short-term and long-term implementations.

7. Supportive Housing Measure and Plans for Implementation (Jes Larson, Metro)

Jes Larson presented a Regional Supportive Housing Program Implementation Timeline. Measure 26-210 presented to the tri-county voters passed by 57-58% approval the day before, and congratulations and appreciate was shared with the community partners and supporters. Ms. Larson shared how the

program implementation was planned moving forward through the next two years. An oversight committee will be selected and Intergovernmental agreements developed. Tax collection systems will be established through January 2021 when first quarterly revenues from personal income tax begins in April 2021. First annual revenues from business income tax begins April 2022. Ms. Larson credited Home Together Coalition for the help turning this vision to reality with much more work ahead.

Asked if there is a timeline planned when homelessness in the region will end, Ms. Larson noted the Home Together Coalition cautioned to say ending homelessness was completely achievable since needs would not meet resources fully, and our region is impacted by economic forces outside our control with rent increases. The focus is on chronic populations where populations living outside more than one year, needing assistance in more than one way with assistance, mental health issues and other factors.

Geographically the homeless issue is difficult to estimate. Shelters help to inform us with numbers, but disparities exist between counties when people do not have permanent residences but go toward where support is provided. This measure is the largest local effort to provide homeless populations with support for services region-wide, and as developed, will be reported on at future meetings.

8. Adjourn

There being no further business, meeting was adjourned by Chair Kloster at noon.
Respectfully submitted,
Marie Miller, MTAC Recorder

Attachments to the Public Record, MTAC meeting, May 20, 2020

Item	DOCUMENT TYPE	DOCUMENT DATE	DOCUMENT DESCRIPTION	DOCUMENT No.
1	Agenda	05/20/2020	05/20/2020 MTAC Meeting Agenda	052020M-01
2	MTAC Work Program	05/13/2020	MTAC Work Program, as of 05/13/2020	052020M-02
3	MTAC/TPAC Workshop Work Program	05/13/2019	MTAC/TPAC workshop Work Program, as of 05/13/2020	052020M-03
4	Memo	05/13/2020	TO: MTAC members and interested parties From: Lake McTighe, Regional Planner RE: Fatal crash update	052020M-04
5	Meeting minutes	04/15/2020	MTAC and TPAC meeting minutes draft, April 4, 2020	052020M-05
6	Presentation	05/20/2020	Creating jobs, building our future	052020M-06
7	Presentation	05/20/2020	COVID-19 Economic Impact & Response Efforts	052020M-07
8	Presentation	05/20/2020	Regional Supportive Housing Service Program Implementation	052020M-08

The Regional Disaster Preparedness Organization (RDPO) and Metro are the recipients of one of four national awards to partner with the EPA Building Blocks for Sustainable Communities Program and FEMA in applying their new [Regional Resilience Toolkit](#). The toolkit and workshop will provide our region with technical assistance to build large-scale resilience to natural disasters, and to help us align resilience priorities across different federal, state, and local planning requirements and funding sources. The workshop for our 5-county (Clark, Columbia, Clackamas, Multnomah, and Washington) region is scheduled for Fall 2020 and will focus on the region's natural hazard mitigation plans.

The goal of the Regional Resilience Workshop for Natural Hazard Mitigation is to support regional coordination by establishing regional priorities and expanding equity in local Natural Hazard Mitigation Plans in order to reduce our vulnerability to natural hazards and to leverage federal and philanthropic funding opportunities.

For every \$1 spent on mitigation, \$11 are saved in response and recovery.

<https://www.nibs.org/page/mitigationsaves>

FEMA and EPA collaborated to create the Regional Resilience Toolkit to better address the need for large-scale action on resilience. By elevating a region-wide conversation about mitigation needs in our communities, the RDPO stakeholders and Metro will enhance visibility of key opportunities to advance priority natural hazard resilience efforts at scale.

Workshop Objectives:

- 1. Identify shared regional priorities for natural hazard mitigation.** Using a crosswalk of existing NHMP actions completed with a PSU intern during Spring 2020, establish a shared set of priorities for mitigation action on a regional level.
- 2. Integrate equity through Natural Hazard Mitigation Planning** by sharing best practices on applying an equity lens to NHMPs. Includes stakeholder engagement approaches and enhancing the use of equity data by leveraging the regional social vulnerability index project.
- 3. Promote regional collaboration and coordination.** Clarify the roles that regional advisory and decision-making bodies (Metro Council, MPAC, TPAC, RDPO Policy Committee) can play in advancing regional mitigation priorities.
- 4. Identify potential funding opportunities for regional mitigation actions.** With federal and state partners in attendance, explore potential avenues for public funding that are currently underutilized. Identify additional work to pursue philanthropic or other private funding sources.
- 5. Inform the next NHMP update cycle with COVID-19 pandemic considerations;** explore the implications for mitigation planning and prioritization in the context of the global pandemic.
- 6. Connect NHMPs to other local and regional planning efforts.** Ensuring the NHMP mitigation actions tie to other foundation planning in the region including climate action plans, long-range transportation plans, the Community Economic Development Strategy (CEDS), land use planning, and comprehensive plans.
- 7. Elevate existing mitigation work and enhance local efforts.** Use this platform to elevate existing local plans and actions for state and federal partners and leverage the state and federal partner's technical expertise to strengthen local plans in alignment for future funding.



Regional NHMP Analysis

Regional Facts

Total Population

2.4 Million

2018 ACS Estimate

Urban

70% > 10%

Population

Land Area

Rural

30% > 90%

Population

Land Area

Land Area

4,419 mi²

GIS derived

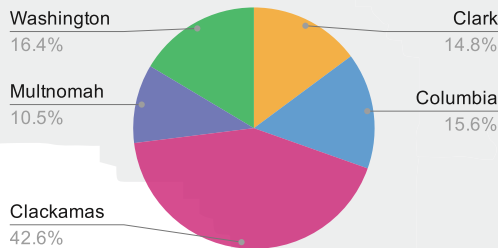
Density

3,732/mi²

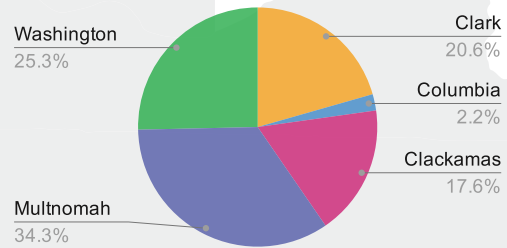
Density

174/mi²

Land Area by County



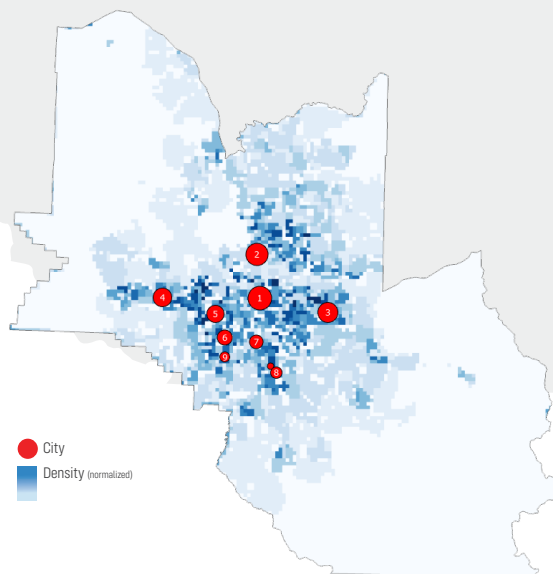
Population % by County



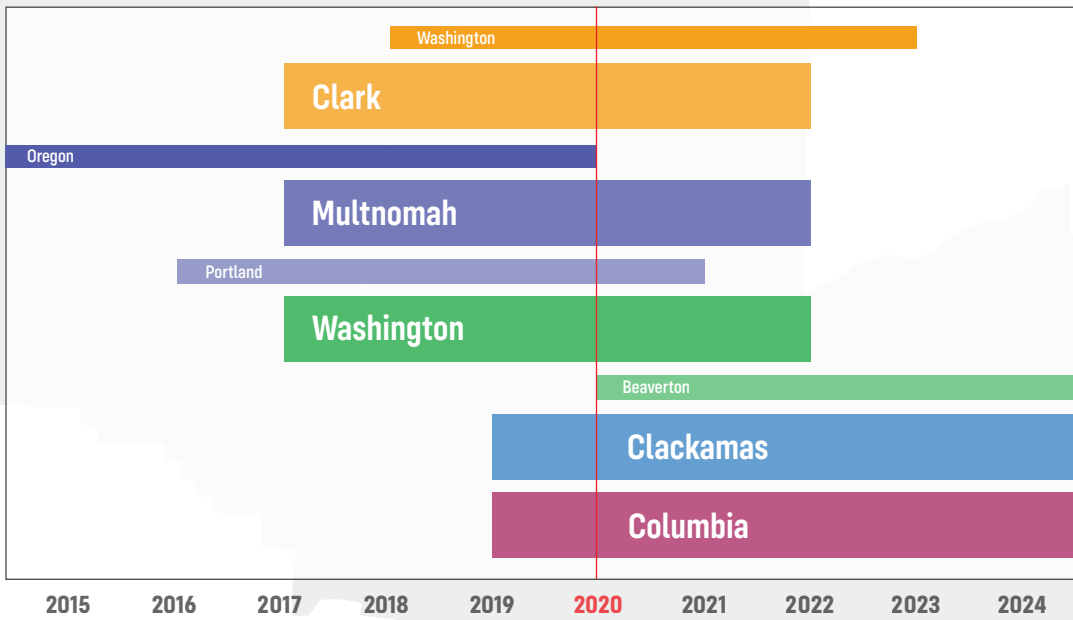
10 > 56%

Cities Population

1. Portland
2. Vancouver (WA)
3. Gresham
4. Hillsboro
5. Beaverton
6. Tigard
7. Lake Oswego
8. Oregon City
9. Tualatin
10. West Linn



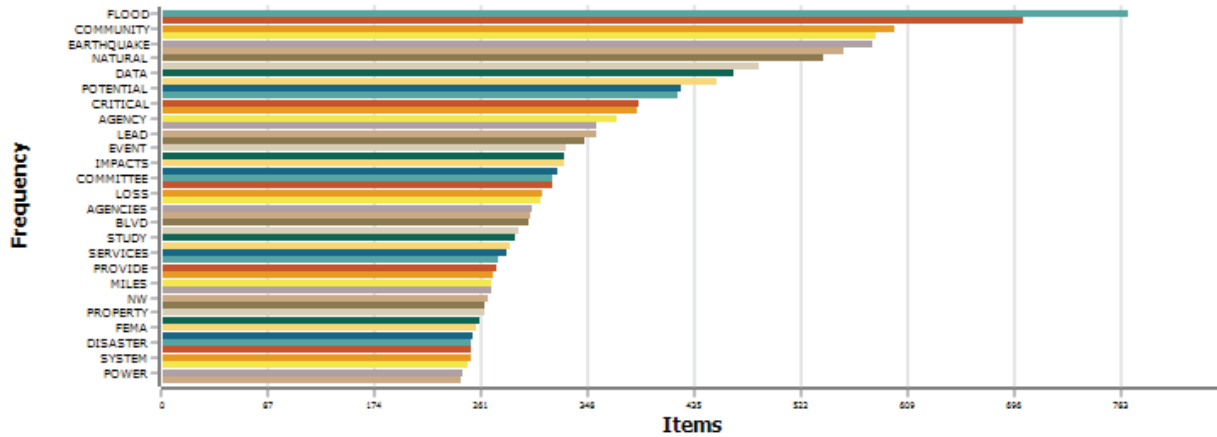
NHMP Regional Plan Cycle (State, County, City)



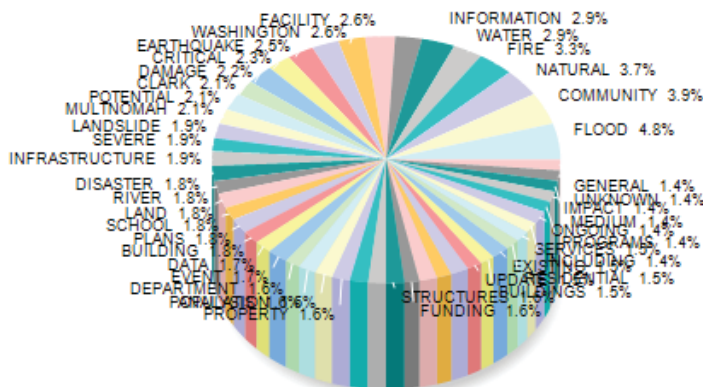


Composite Word Frequency Analysis for all NHMPs

Distribution of keywords (Frequency)



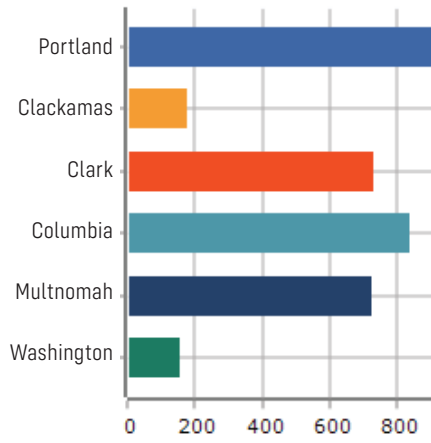
Distribution of keywords (Frequency)



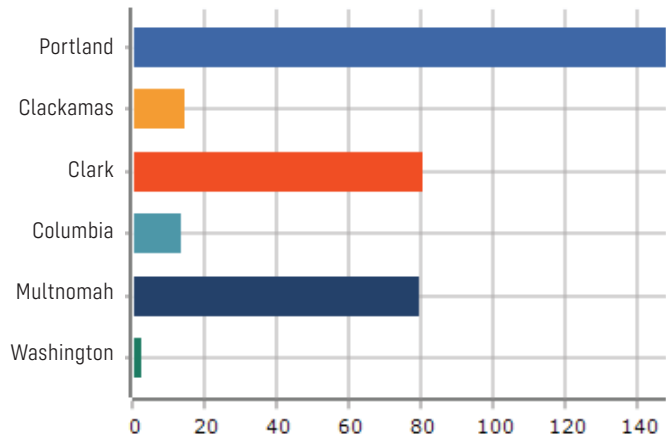


Regional NHMP Analysis

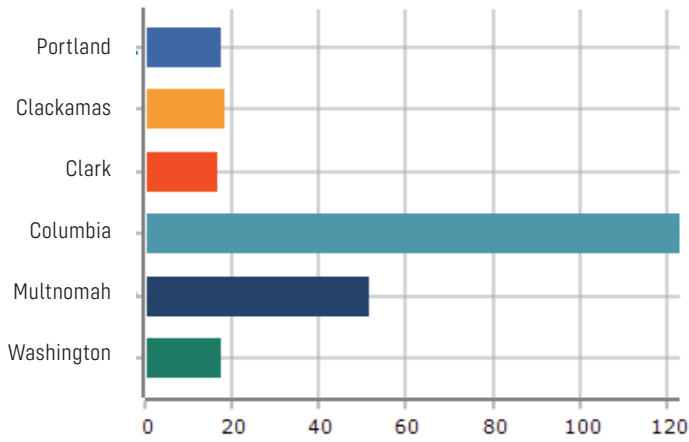
All Hazard Keywords



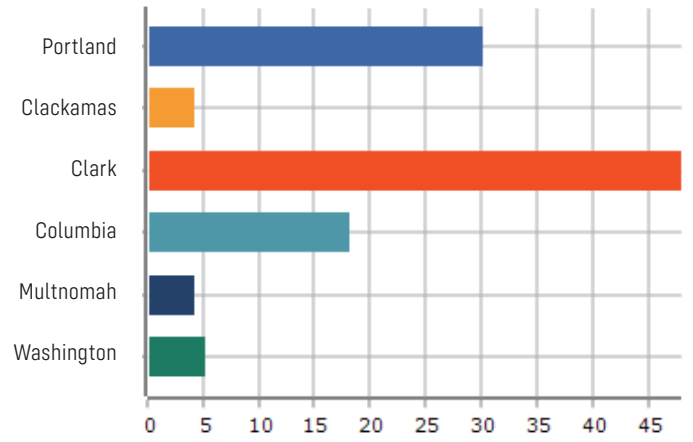
Severe Weather



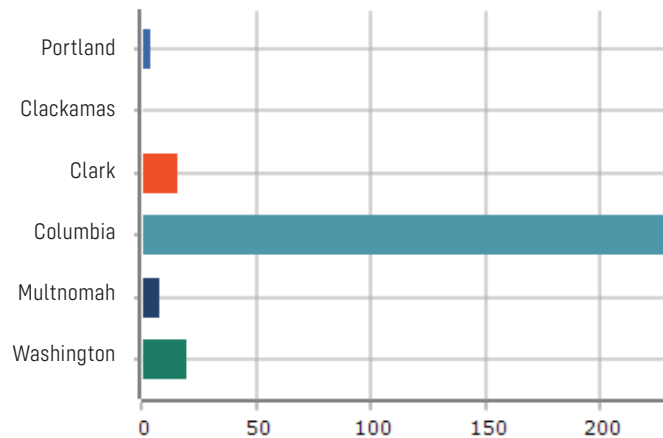
Winter Storm



Ash Fall



Wildland Fire



High-Level Action Item Themes



Regulation



Education



Intervention



Coordination



Regulation

- Update building codes and permitting process to reflect NHMP findings (i.e. seasonal construction restrictions, low impact standards)
- Create and revise ordinances to reduce risk
- Inspect new construction to ensure compliance
- Limit activity in known hazard areas
- Update stormwater management plan
- Maintain debris management plan
- Identify stakeholders and target-areas
- Develop priority transportation/evacuation routes
- Delegate action item progress monitoring
- Federal policy compliance (NFIP)
- Emergency response planning
- Identify problematic drainage sites
- Preserve open space for floodplain mitigation



Coordination

- Resource assessment and pooling
- Inventory critical facilities and equipment
- Use current scientific data, i.e. DOGAMI, recent academic research
- Data sharing regionally (centralized portal)
- Integrate NHMP into Comprehensive Plan and other relevant plans (CWPP)
- Sync regional and state plan cycles
- Develop damage estimates
- Ash fall modeling with USGS CVO
- Identify hazmat locations
- Update GIS including Lidar, hazard risk profiles
- Pursue funding through grant writing (HMA, etc.)
- Link emergency services to NHMP
- Countywide resiliency planning
- Public/private partnerships (i.e. utilities)
- Hazard specific impact modeling



Education

- Hazard mitigation outreach strategy (training, demos, presentations)
- Develop accessible outreach materials to describe hazards and promote readiness, including community-level hazard summaries via interactive media
- Encourage purchase of flood, fire, and earthquake insurance
- Target socially vulnerable populations at greatest risk
- Early warning and real-time notification systems
- Public events to increase awareness
- Explanatory risk-related sign installation



Intervention

- Establish system redundancies
- Land acquisition in known hazard areas
- Building retrofits and maintenance (structural and non-structural) (i.e. flood proofing, fire buffer)
- Relocation of at-risk critical facilities
- Backup power resources (i.e. generators)
- Install lightning rods to protect technology
- Erosion control in high-risk landslide areas (i.e. armor streambanks, stormwater management)
- Surface water and sewer system improvements
- Fuel reduction projects
- Seismic upgrades
- Harden utility infrastructure
- Tree safety measures

Current NHMP Hazard Rankings


1. Severe Weather 

2. Earthquake 

3. Flood 

5. Volcanic Activity 

4. Wildfire 

6. Drought 

7. Landslide 

8. Extreme Heat 

9. HazMat*

10. Dam Failure*

* from Portland MAP



What's Missing?

- Discussion of climate change
- Equity lens
- Hazards: Public health, Biological threats, Terrorism, Cyber attacks
- Failure to identify responsible agency/bureau
- Project cost estimates
- Actionable action items
- Living document, usability, web interface
- Goal-oriented planning, state "inheritance"

PROJECT STEPS

STAKEHOLDERS



STEP 1. ENGAGE

- Identify project team, advisory body, and stakeholders
- Integrate equity through NHMPs
- Share best practices, use equity data and social vulnerability index.

January 2020



STEP 2. ASSESS

- Crosswalk NHMPs for all 5 counties
- Select priority assets and risks for the whole region

June 2020



STEP 3. ACT

- Identify shared regional priorities
- Draft short- and long-term plans to implement priorities
- Connect shared priorities to NHMPs and other regional plans
- Elevate existing mitigation work

Fall 2020



STEP 4. FUND

- Identify potential funding for regional mitigation actions
- Establish funding and financing plan

Winter 2020



STEP 5. MEASURE

- Determine evaluation method and timeline
- Identify metrics and milestones



Advisory Group #1: Kickoff

- Review EPA assistance
- Introduce team
- Take input from MitRec/5 counties



Advisory Group #2: Vulnerability assessment

- Review NHMP crosswalk
- Sign-off on priority assets and risks
- Plan for workshop



Building Blocks Workshop

- Identify regional priorities (top 5)
- Develop action plans
- Clarify roles for regional-scale work
- Plans for aligning and updating local plans



Advisory Group #3: Implementation

- Review implementation, initial actions and roles
- Discuss funding and financing
- Identify potential metrics
- Determine plan for stakeholder engagement/outreach



Leadership Briefing #1:
MPAC & RDPO:
Introduce the project and discuss potential roles for regional actions.




Leadership Briefing #2:
MPAC & RDPO: Report out on workshop outcomes and top 5 regional priorities, next steps.



Leadership Briefing #3:
MPAC & RDPO:
Report on funding plan and outreach plan.

Materials following this page were distributed at the meeting.



The Portland Metro Levee System and the USACE Feasibility Study: Modernization and Addressing Vulnerability

**Colin Rowan & Mark Wilcox – MCDD
Laura Hicks – US Army Corps of Engineers
July 15, 2020**

Background: The Columbia Corridor Levee System

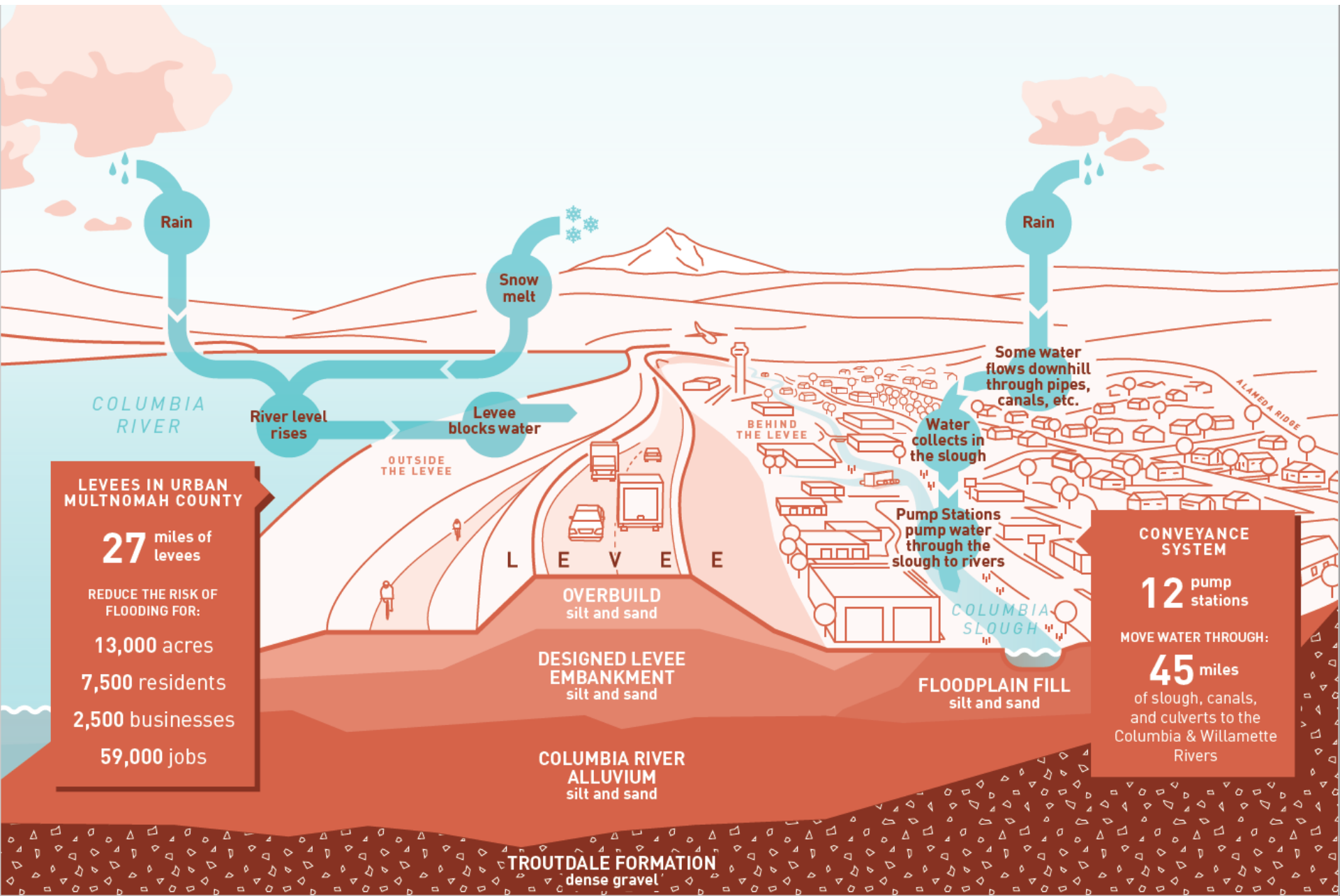


Drainage and flood-control system

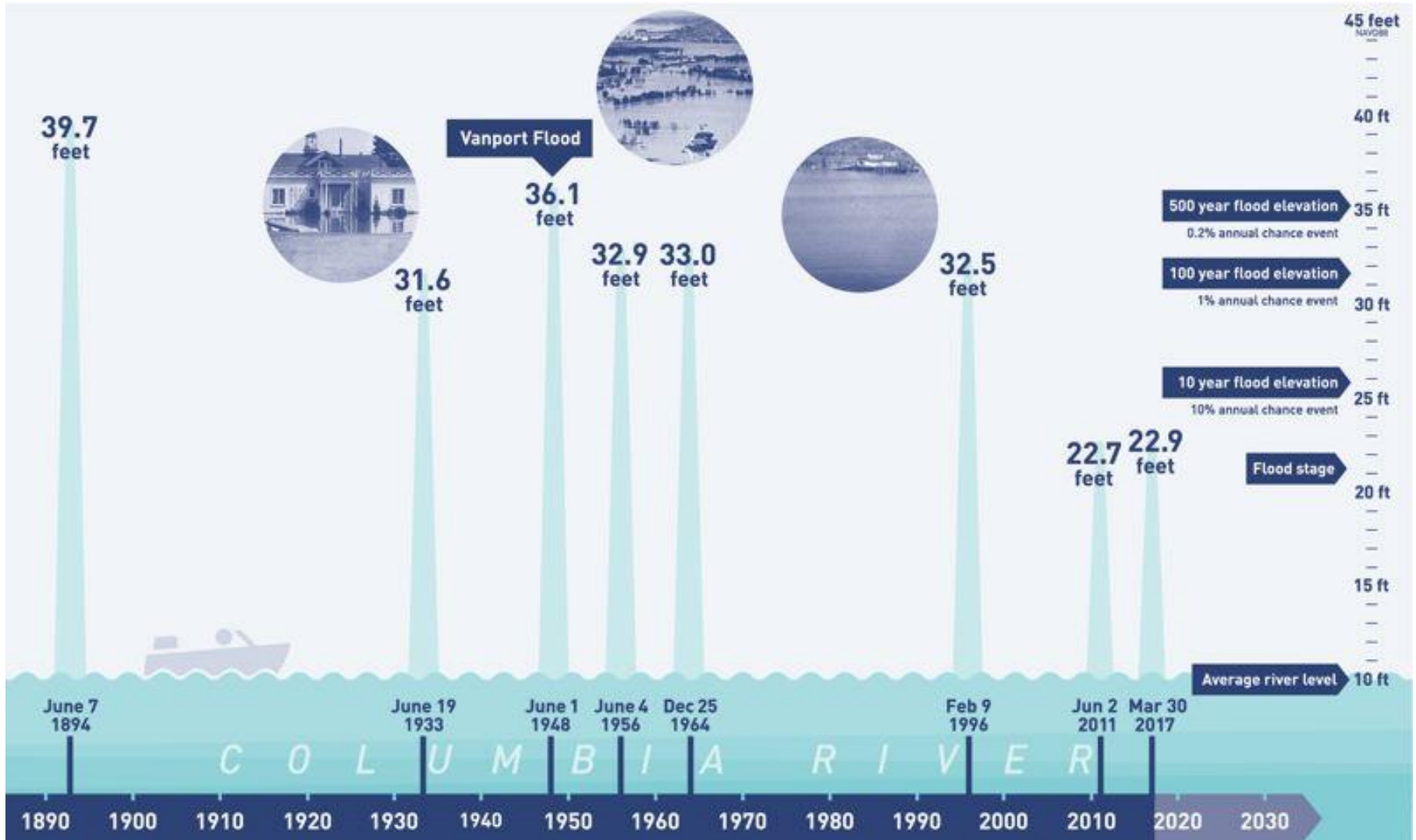
4 Districts: PEN 1, PEN 2, MCDD, and SDIC

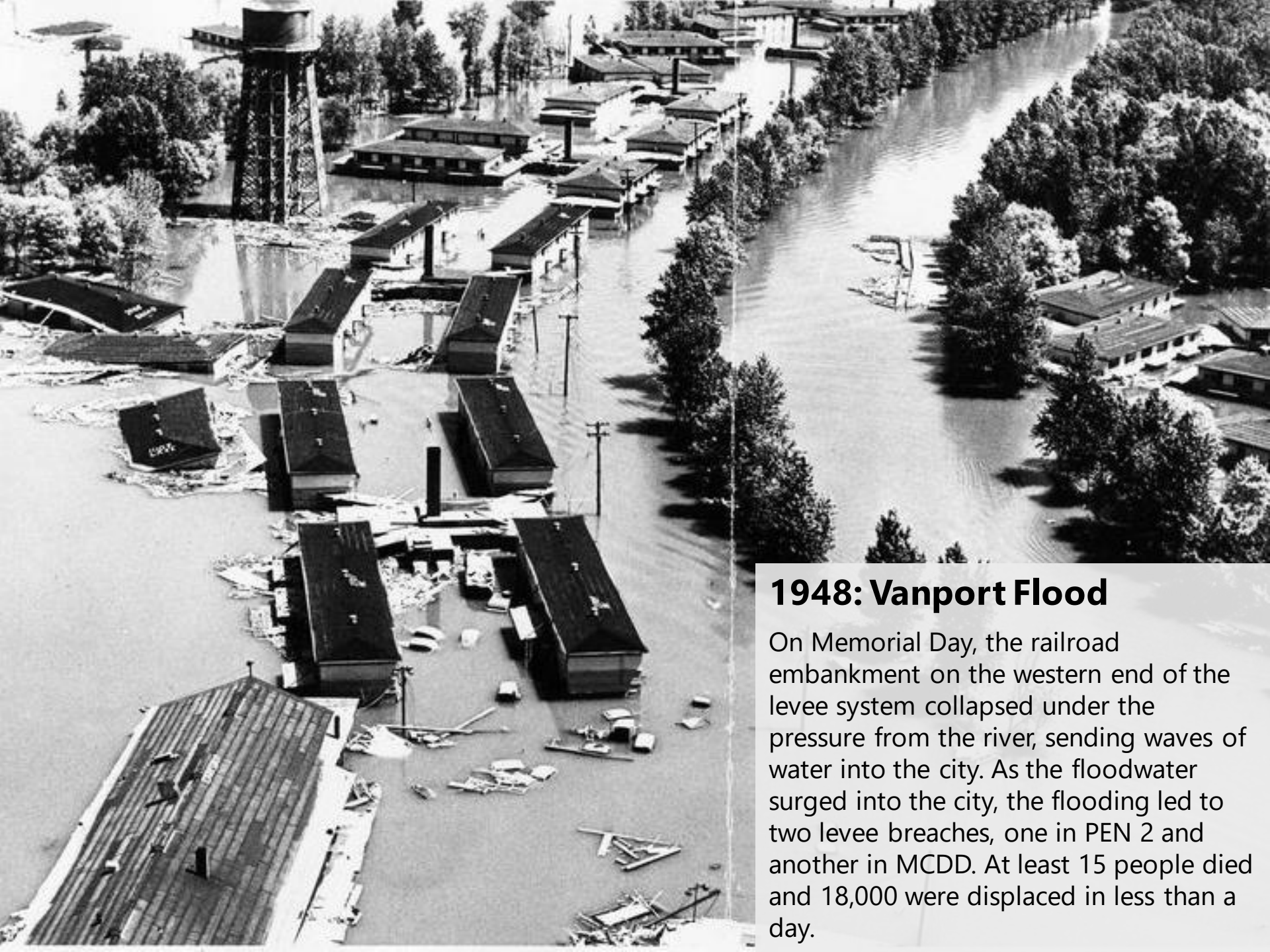
- ✓ **27** miles of federally authorized levees
- ✓ **45** miles of waterways
- ✓ **12** pump stations

Background: The Columbia Corridor Levee System



Background: Area Flood History



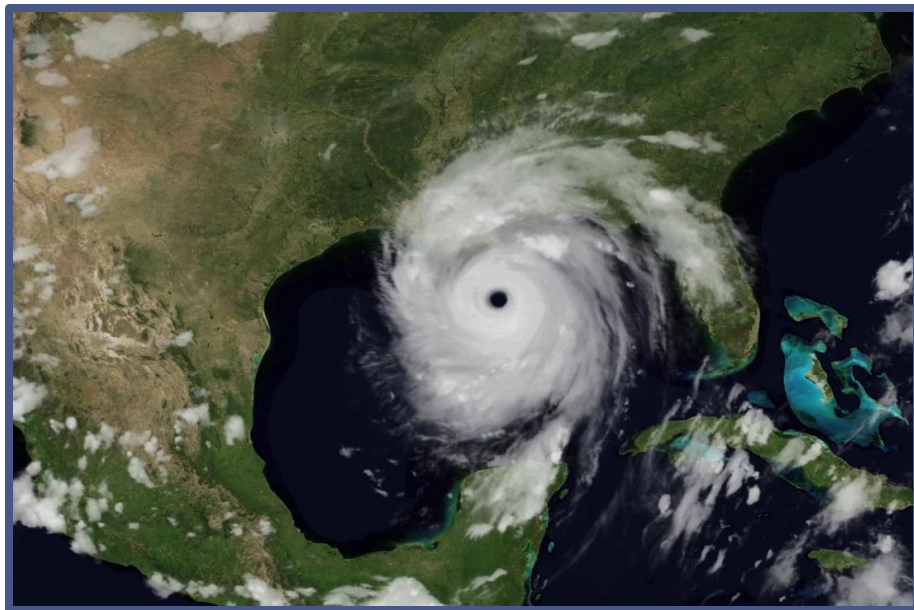


1948: Vanport Flood

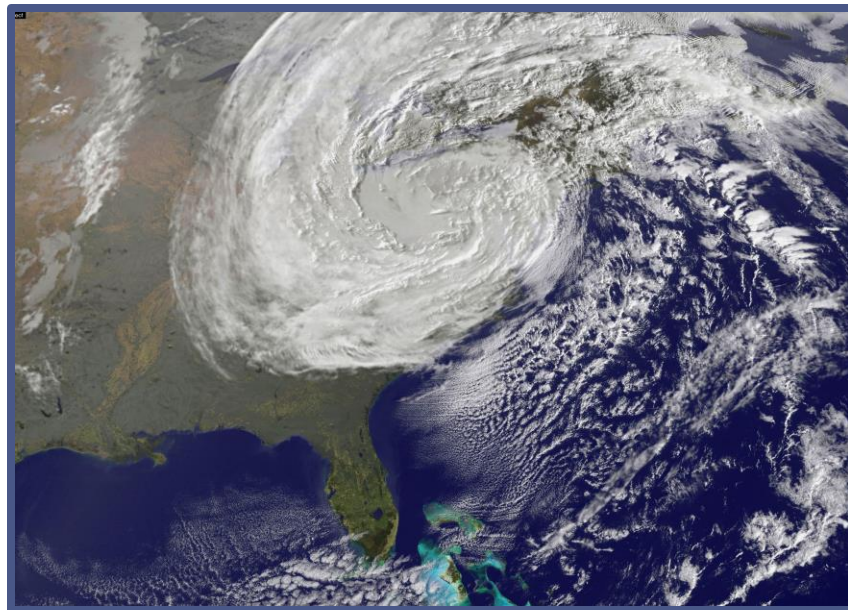
On Memorial Day, the railroad embankment on the western end of the levee system collapsed under the pressure from the river, sending waves of water into the city. As the floodwater surged into the city, the flooding led to two levee breaches, one in PEN 2 and another in MCDD. At least 15 people died and 18,000 were displaced in less than a day.

Catalyst: Federal Overhaul of Levee Regulations

Hurricane Katrina
2005



Superstorm Sandy
2012



Levee Ready Project Partners

COLUMBIA



MULTNOMAH COUNTY



State of Oregon
Department of
Environmental
Quality



PORTLAND
PARKS & RECREATIONSM
Healthy Parks, Healthy Portland



ENVIRONMENTAL SERVICES
CITY OF PORTLAND
working for clean rivers



FAIRVIEW LAKE
Property Owners Association



FEMA



US Army Corps
of Engineers®



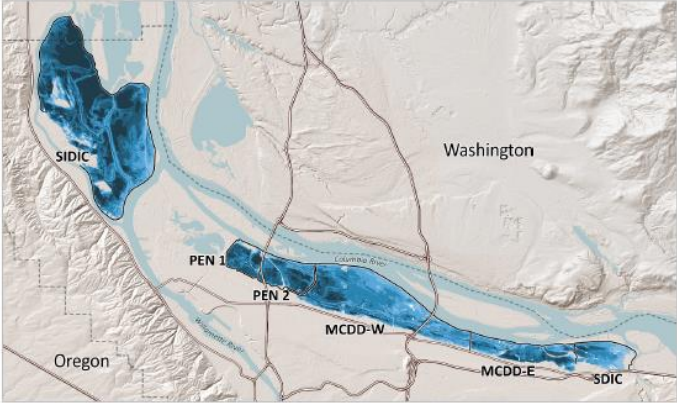
Interlachen Home Owners Association

Discovery Phase: Examining Risk


State of Oregon
Oregon Department of Geology and Mineral Industries
Brad Avy, State Geologist

SPECIAL PAPER 50

FLOOD RISK ASSESSMENT FOR THE COLUMBIA CORRIDOR DRAINAGE DISTRICTS IN MULTNOMAH COUNTY, OREGON



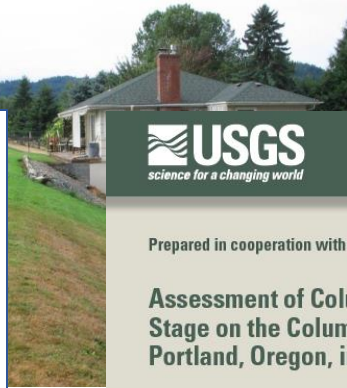
by Christina A. Appleby¹ and John M. Bauer¹



2018

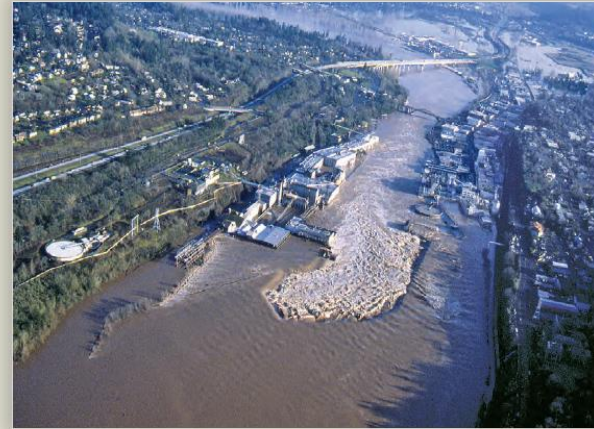
¹Oregon Department of Geology and Mineral Industries, 800 NE Oregon Street, Suite 965, Portland, OR 97232

Inventory



Prepared in cooperation with the U.S. Army Corps of Engineers and Levee Ready Columbia

Assessment of Columbia and Willamette River Flood Stage on the Columbia Corridor Levee System at Portland, Oregon, in a Future Climate



Scientific Investigations Report 2018–5161

U.S. Department of the Interior
U.S. Geological Survey

Economic Inventory

Inventory

Pause for Brief Questions

2018 and onward:
**From Discovery to
Implementation**

2018 and onward:

From Discovery to Implementation

- USACE Feasibility Study
- Integration into a New Urban Flood Safety and Water Quality District (UFSWQD – we promise to change this name!)
- Levee Ready Technical Advisory Subcommittee Scoping Effort

USACE New Start Feasibility Study

US Army Corps of Engineers Identifies Long-Term Disaster Recovery Projects to be Accomplished with 2018 Supplemental Funding

July 2018

After three previous requests for support, the Portland Metropolitan Levee System was selected for a USACE New Start Feasibility Study that began in 2018

PORTLAND METRO LEVEE SYSTEM (PMLS)



US Army Corps
of Engineers®
Portland District



STUDY AUTHORITY, SPONSOR, AND STUDY PURPOSE

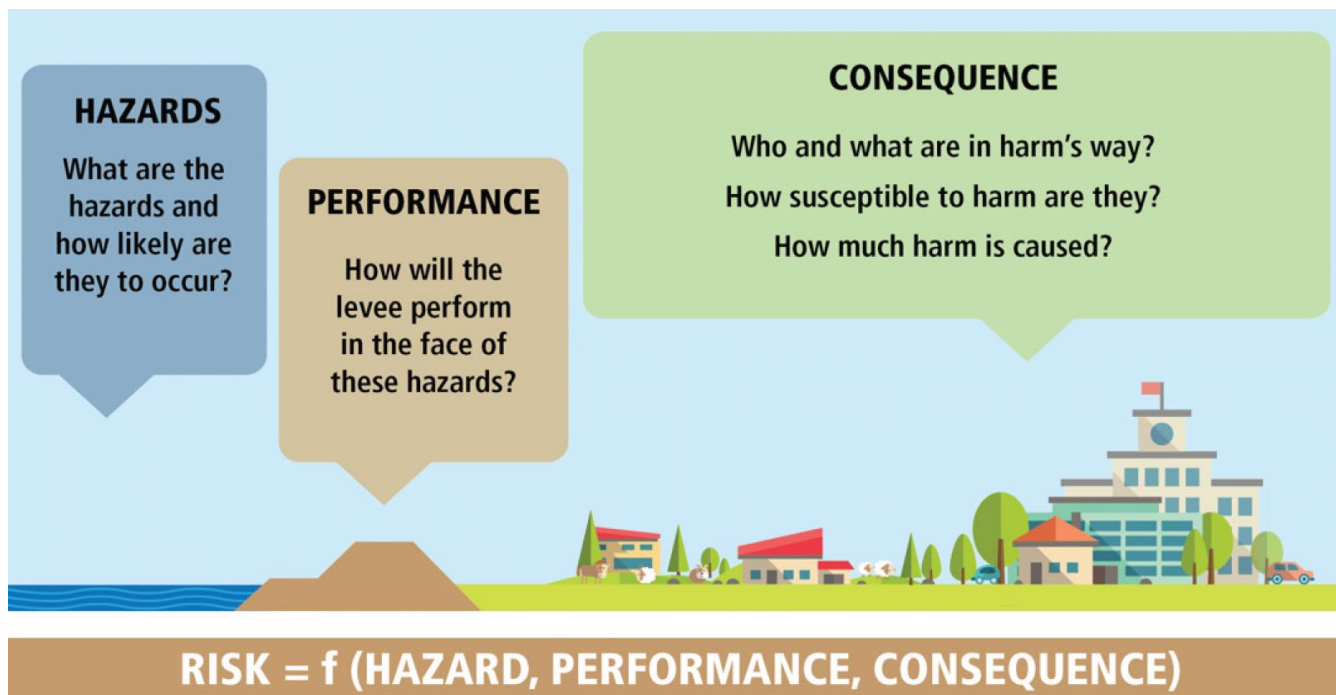
- Authority: Section 216 of the Flood Control Act of 1970 (33 U.S.C. § 549a)
- **SMART Planning Status:** Study is 3x3x3 compliant; Title IV, Division B of the Bipartisan Budget Act of 2018, Public Law 115-123, enacted February 9, 2018 authorizes the Government to conduct the Study at full Federal expense.
- Non-Federal Sponsor: Columbia Corridor Drainage Districts Joint Contracting Authority
- Determine if there is Federal interest additional investments in improvements to the system



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WHAT IS FLOOD RISK?



Flood Risk (simplified) = Flood Probability x Flood Consequences



IMPACTS

Natural gas pipeline that serves two states

2 Airports: Portland International and Troutdale Regional

US Air National Guard Base

3 Interstate Highways: I-5, I-205, I-84

3 Rail Lines: 2 Transit, 1 Class I Freight

3 Electrical Transmission Lines: BPA, Pacific Power & PGE

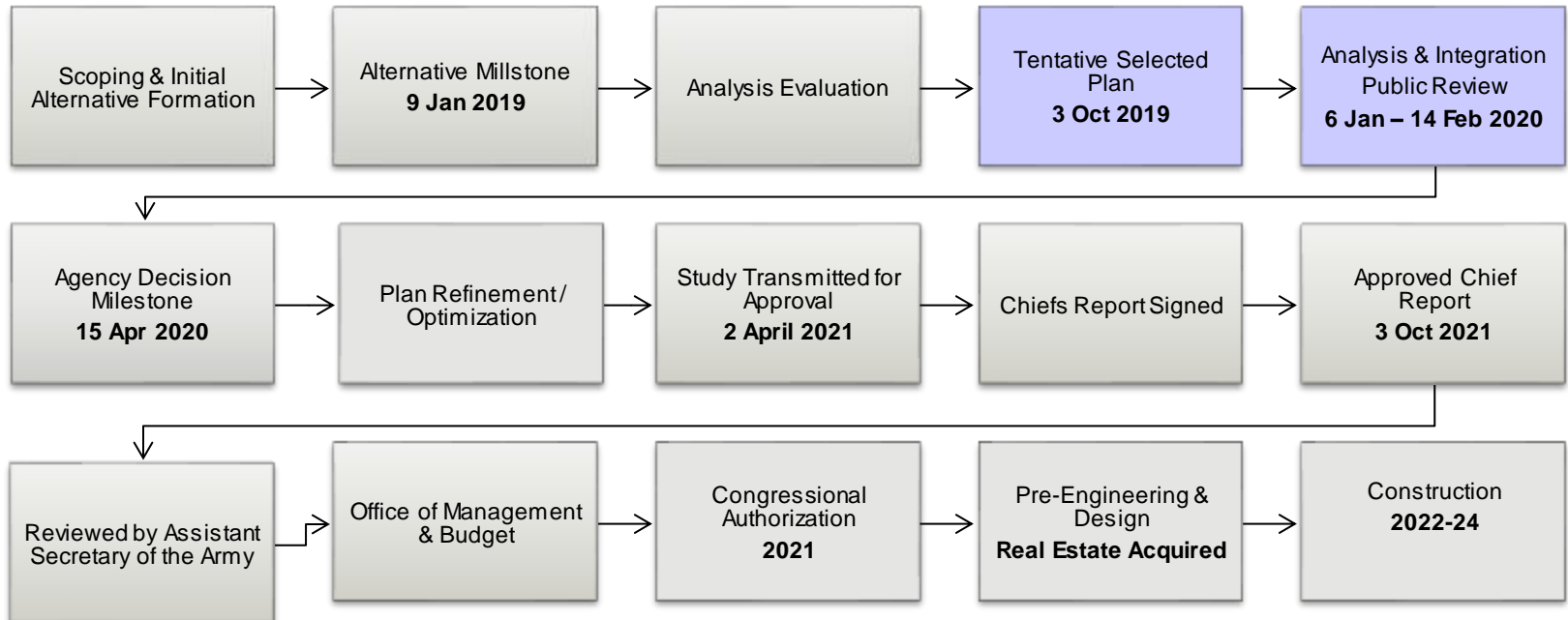
The study area is a cornerstone to the regional, statewide, and national economy with over \$16B in annual economic activity generated from businesses and over \$7.2B in property values within the levee protection area.



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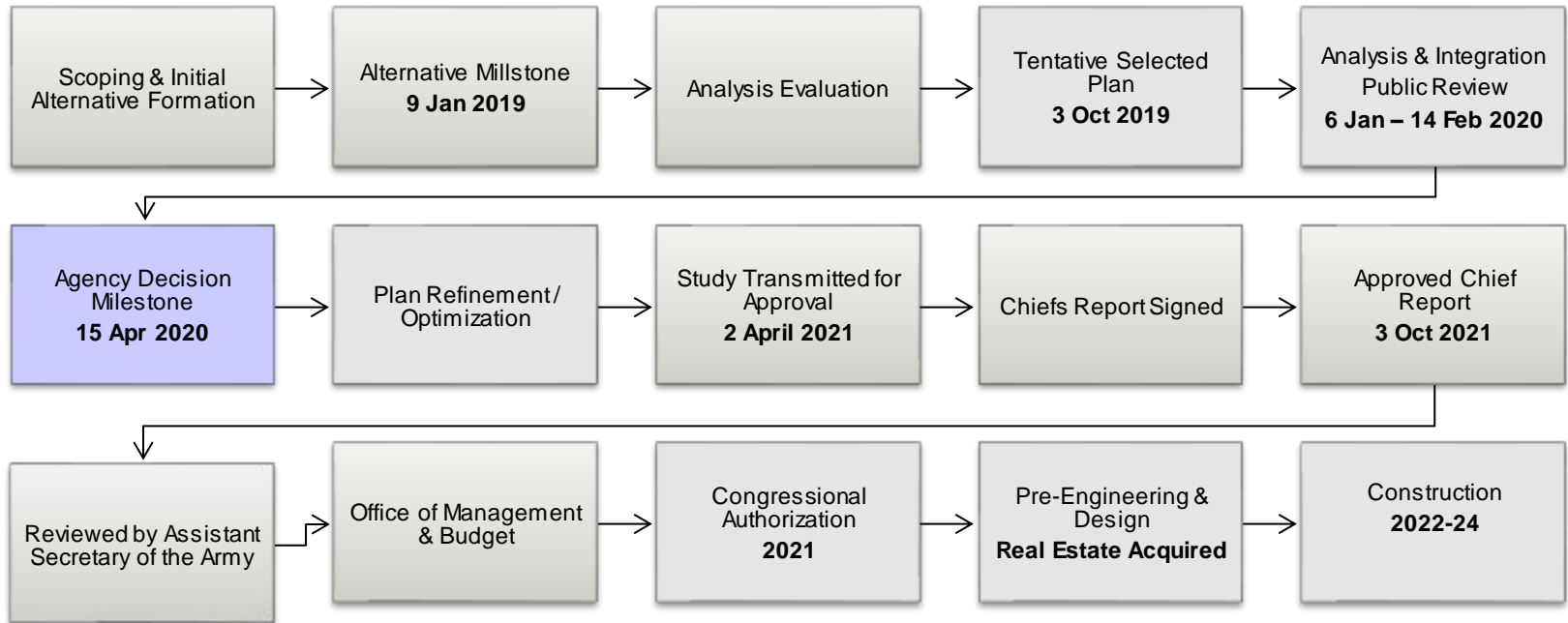
PROJECT MILESTONES



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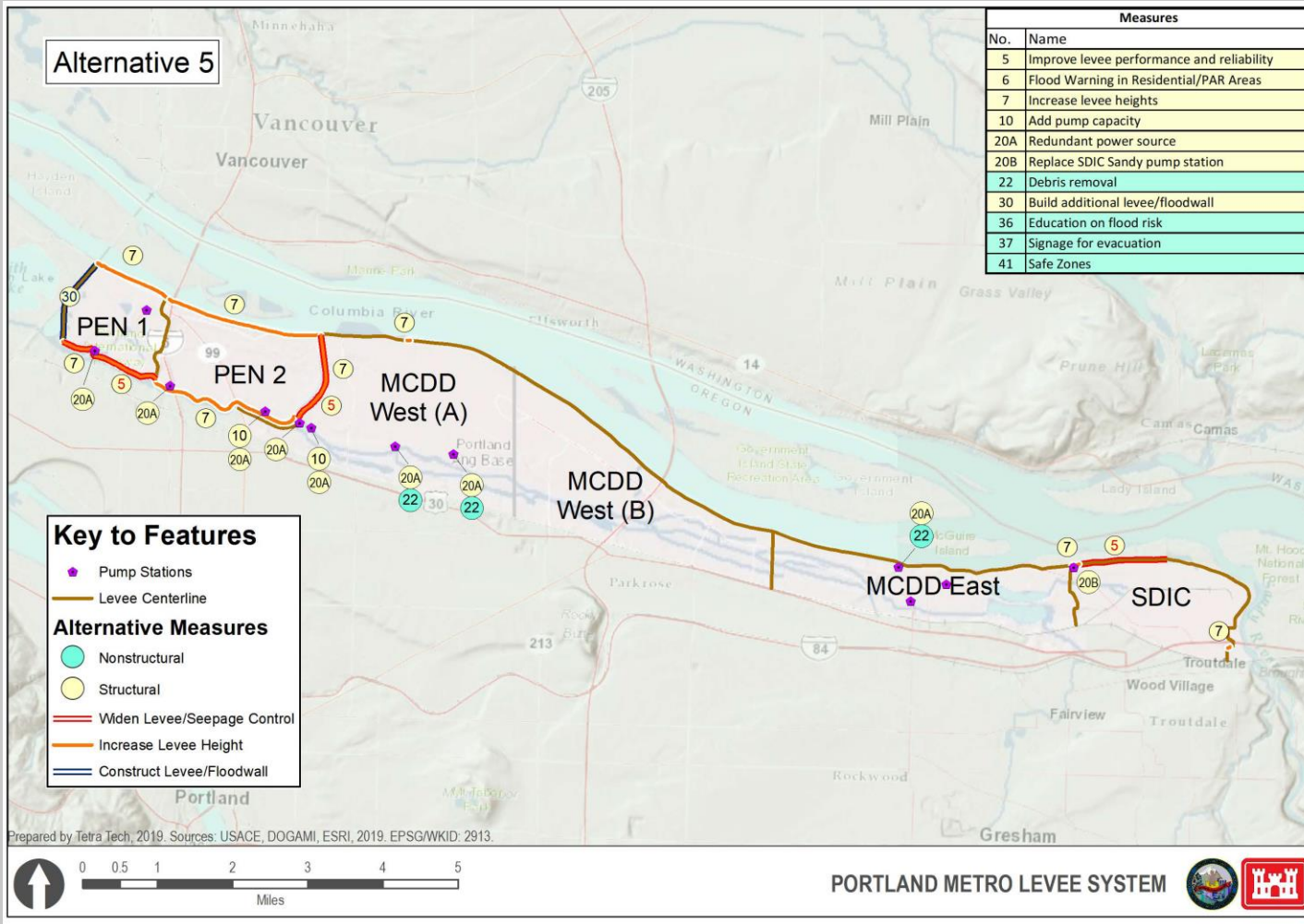


PROJECT MILESTONES



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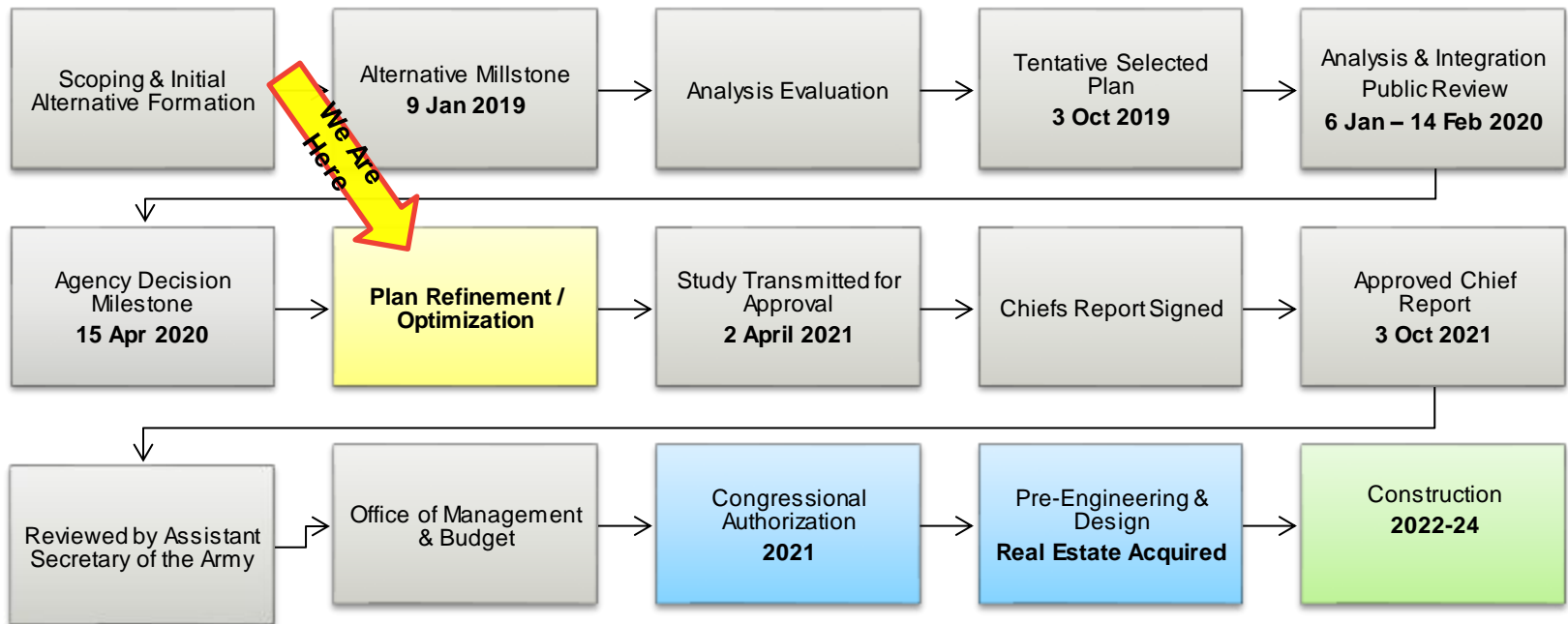
CONCLUSION OF THE AGENCY DECISION MILESTONE

Corps Decision- Confirmation that the Tentatively Selected Plan (Alternative 5) is the plan to continue to refine and develop.

Agreement to invest additional federal funding to continue the feasibility study



PROJECT MILESTONES



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NEXT STEPS

- Further refinement of the height of protection, alignment, and pump stations
- Continue outreach and public involvement in coordination/collaboration with the local sponsor
- Refine costs and benefits of the single plan
- Complete feasibility level design analysis in support of a certified cost estimate
- Complete optimization, economic, and plan formulation processes to select a recommended plan
- Finalize NEPA and other Environmental Law Compliance actions



CORPS WEBSITE

<https://www.nwp.usace.army.mil/Missions/Projects-and-Plans/Portland-Metro-Levee-System/>



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Portland District



Pause for Brief Questions

2018 and onward:

From Discovery to Implementation

- USACE Feasibility Study
- Integration into a New Urban Flood Safety and Water Quality District
- Levee Ready Technical Advisory Subcommittee Scoping Effort

Governance Challenges & Solutions

Transition from an archaic governance structure to a single modern system responsible for managing risk, improving the environment, and embedding equity into all aspects of operations:

- Century-old assessment methodology
- Influent water from outside the managed floodplain
- Fragmented responsibilities/authorities
- Economic benefit of the area is shared regionally but all costs fall on property owners in the floodplain
- Insufficient funding

Senate Bill 431 (ORS 550)

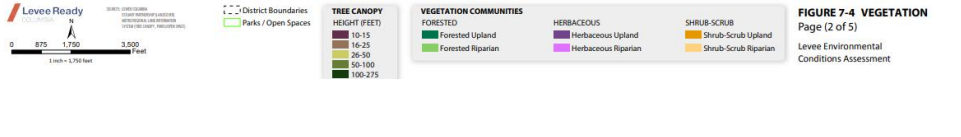
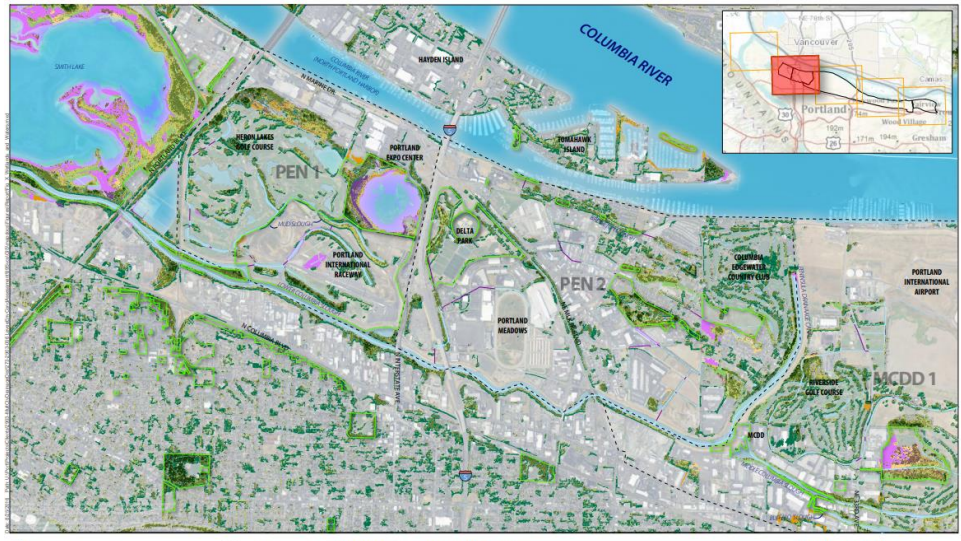
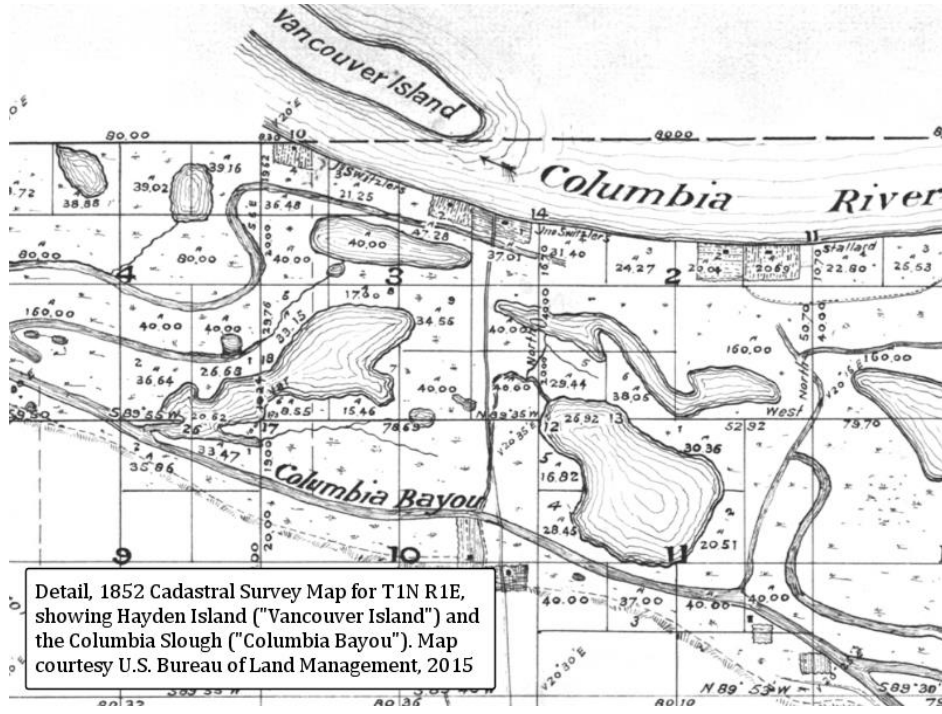
Created an **Urban Flood Safety & Water Quality District** with the purpose of improving, operating, and maintaining “works” to:

PRIMARY
PURPOSE

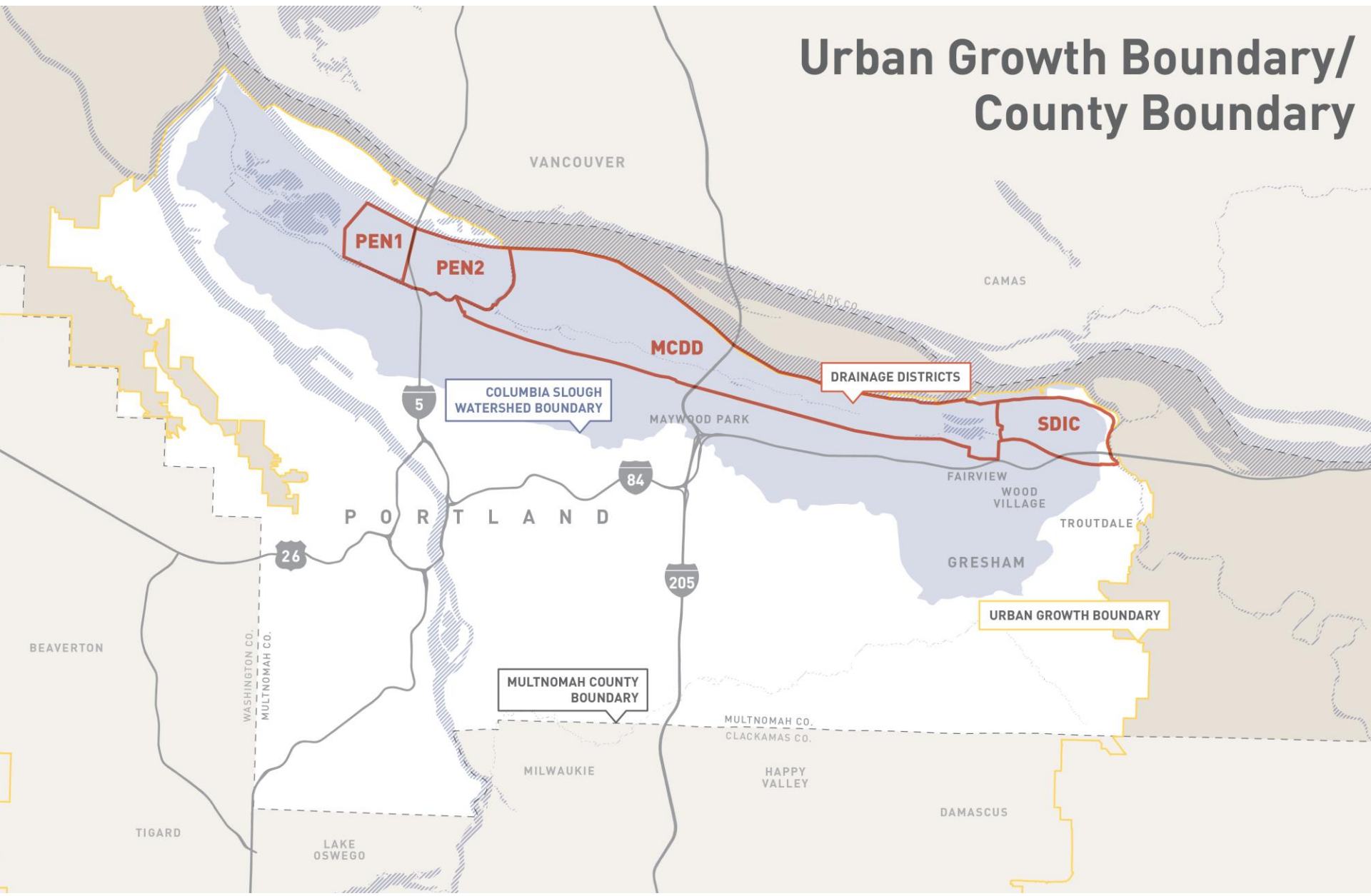
- reduce the risk of flooding
- to protect people and property from flood risk
- convey water
- respond to flood emergencies

SECONDARY
PURPOSE

- contribute to improved water quality, habitat and landscape resiliency



The new district boundary (Multnomah County within the UGB) recognizes the benefits received (as well as costs incurred) outside the managed floodplain.

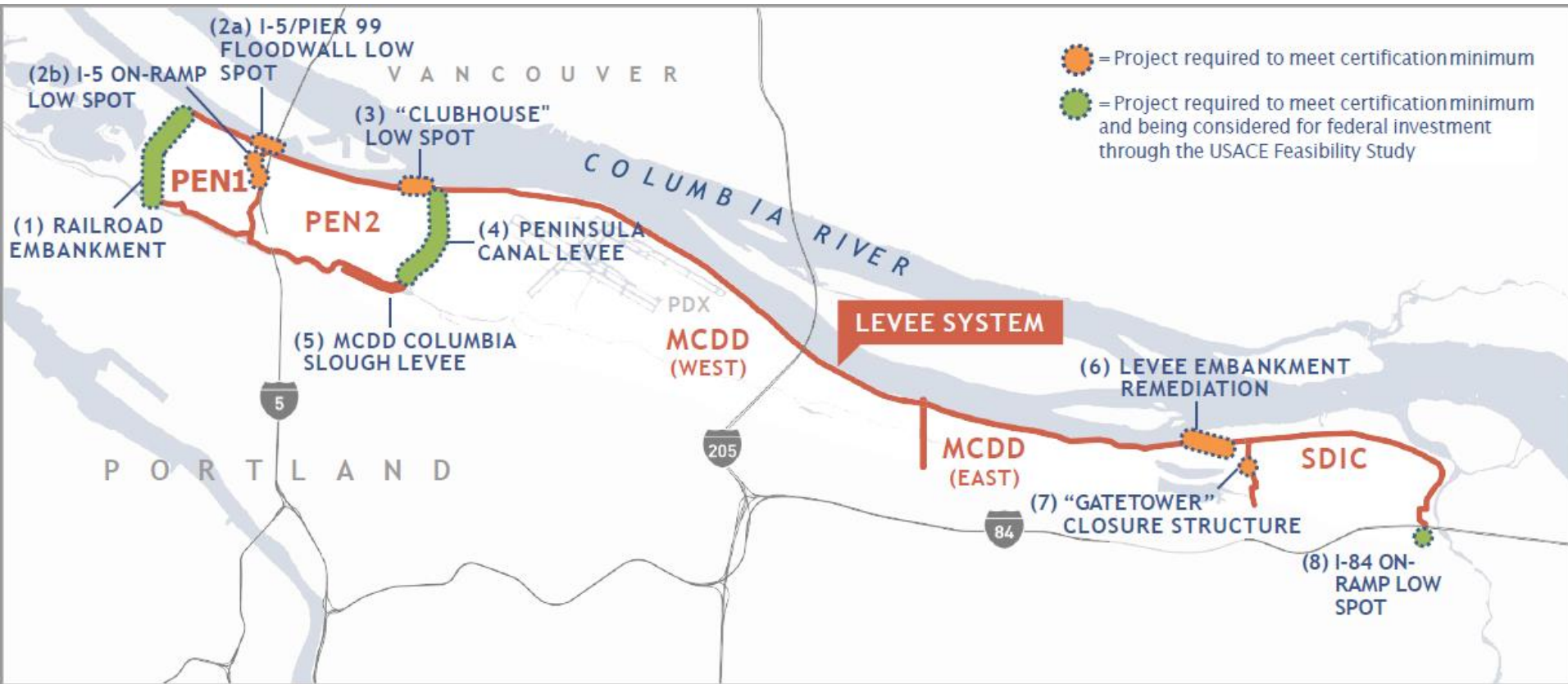


2018 and onward:

From Discovery to Implementation

- USACE Feasibility Study
- Integration into a New Urban Flood Safety and Water Quality District (again, we promise to change this name!)
- Levee Ready Technical Advisory Subcommittee Scoping Effort

Established Recertification Projects



LRC TASC Scoping Workgroup - Business cases

Summary of Project Outcomes

Table 2. Summary of Additional Projects Scoped by Levee Ready Columbia

Project	Alternative	Description	Reduces Flood Risk	Addresses Levee Cert.	Perimeter or Cross Levee?	Environmental Benefits	Cultural Benefits	Recreational Benefits	Total Cost ⁶
Southbound I-5 and Marine Drive Interchange Low Spot	IGA2B.A								
	IGA2B.B								
Columbia Clubhouse in PEN2	IGA3.A								
	IGA3.B								
MCDD Columbia Slough Levee Toe	IGA5.A								
	IGA5.B								
	IGA5.C								
MCDD Animal Burrow Remediation on Salmon Creek	IGA6.A								
	IGA6.B								
	IGA6.C								
Gate Tower Structure on 223rd Ave. Cross-Levee	IGA7.A								
	IGA7.B								
Table 2 Total ⁸									

6 - Concept level cost estimates are based on construction management, traffic control
 7 - These alternatives have not been fully:
 8 - The range provided is based on the

will be installed between 1.5H - 2H:1V from the top of the existing levee prism to the toe of the channel. A bench will be constructed to maximize habitat benefit with rip ran placed underneath to prevent

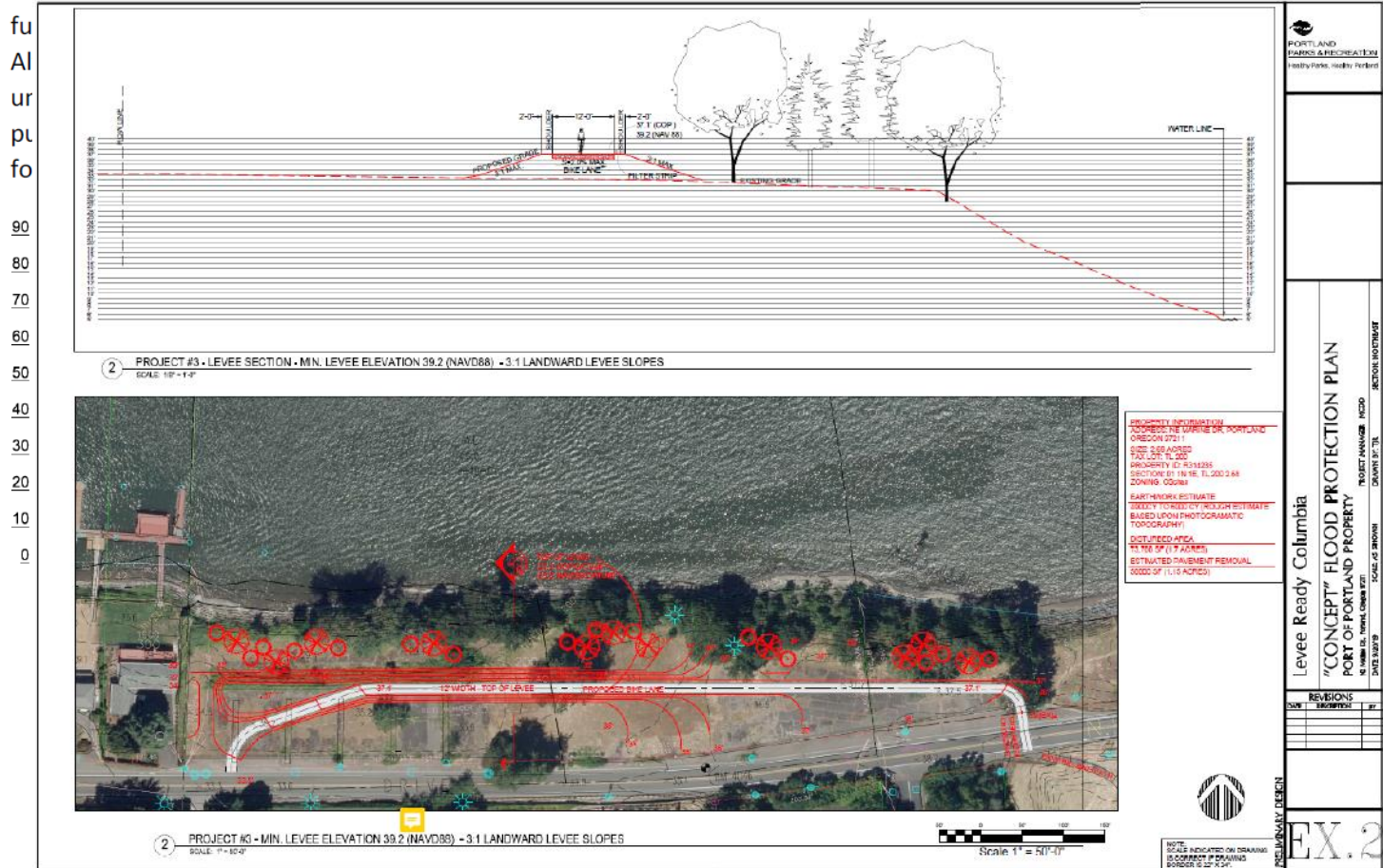


Figure 2. Project Elements Overview (Alternative IGA3.A)

PORTLAND PARKS & RECREATION
 Healthy Parks, Healthy People

Levee Ready Columbia
 "CONCEPT" FLOOD PROTECTION PLAN
 PORT OF PORTLAND PROPERTY
 12 1/2 MI. E. MARINE DRIVE ST.
 DATE: 04/19/17 SCALE: AS SHOWN

REVISIONS	DATE	BY

SECTION INDICATOR

EX. 2

Next Steps

- **Feasibility Study:** Complete Study, submitting final report Apr '21; next phase is Pre-engineering and Design
- **LRC Recertification Process:** Multi-Benefit Workshops to complete project scoping; discussion non-FS project funding
- **UFSWQD:** The Initial Board establishes Mission, Vision, Values and Strategic Plan; develops revenue model



Thank you!

Contact:

Laura Hicks - Laura.L.Hicks@usace.army.mil

Colin Rowan – crowan@mcdd.org

Mark Wilcox – mwilcox@mcdd.org

Building Blocks for Regional Resilience Workshop: Regional Mitigation

Presentation to MTAC @ Metro

July 15, 2020



FEMA



RDPO

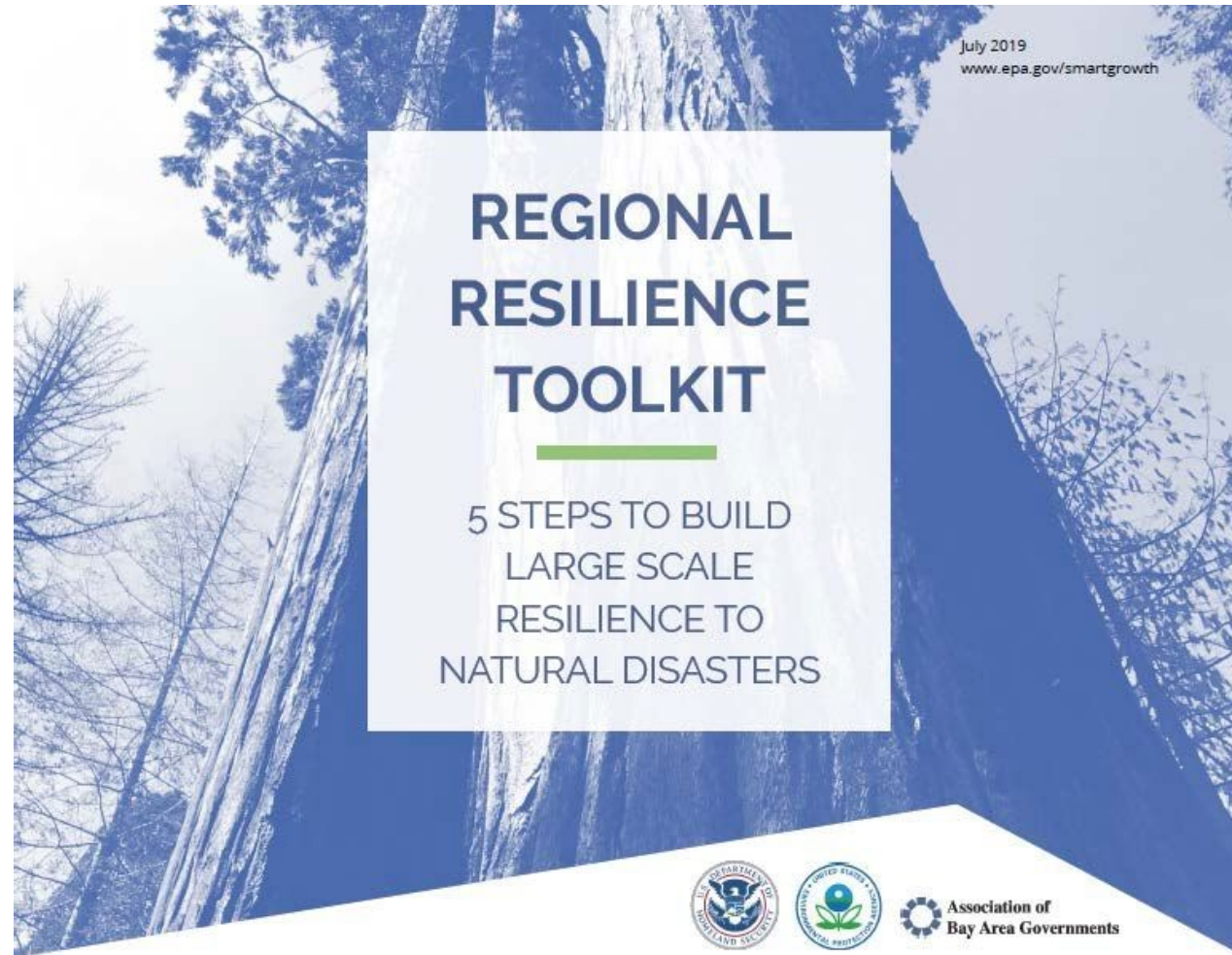
Regional Disaster Preparedness Organization

Unified. Prepared. Resilient.



Metro

EPA Regional Resilience Toolkit



July 2019
www.epa.gov/smartgrowth

REGIONAL RESILIENCE TOOLKIT

5 STEPS TO BUILD
LARGE SCALE
RESILIENCE TO
NATURAL DISASTERS



 Association of
Bay Area Governments

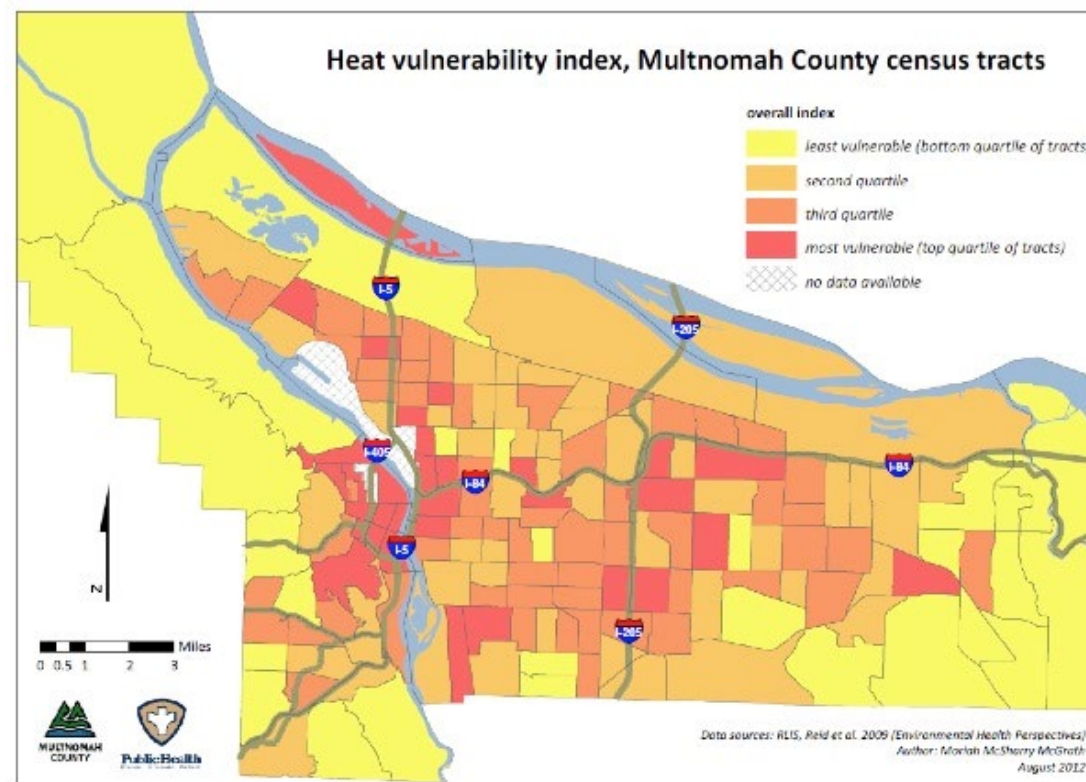
Building Blocks for Regional Resilience

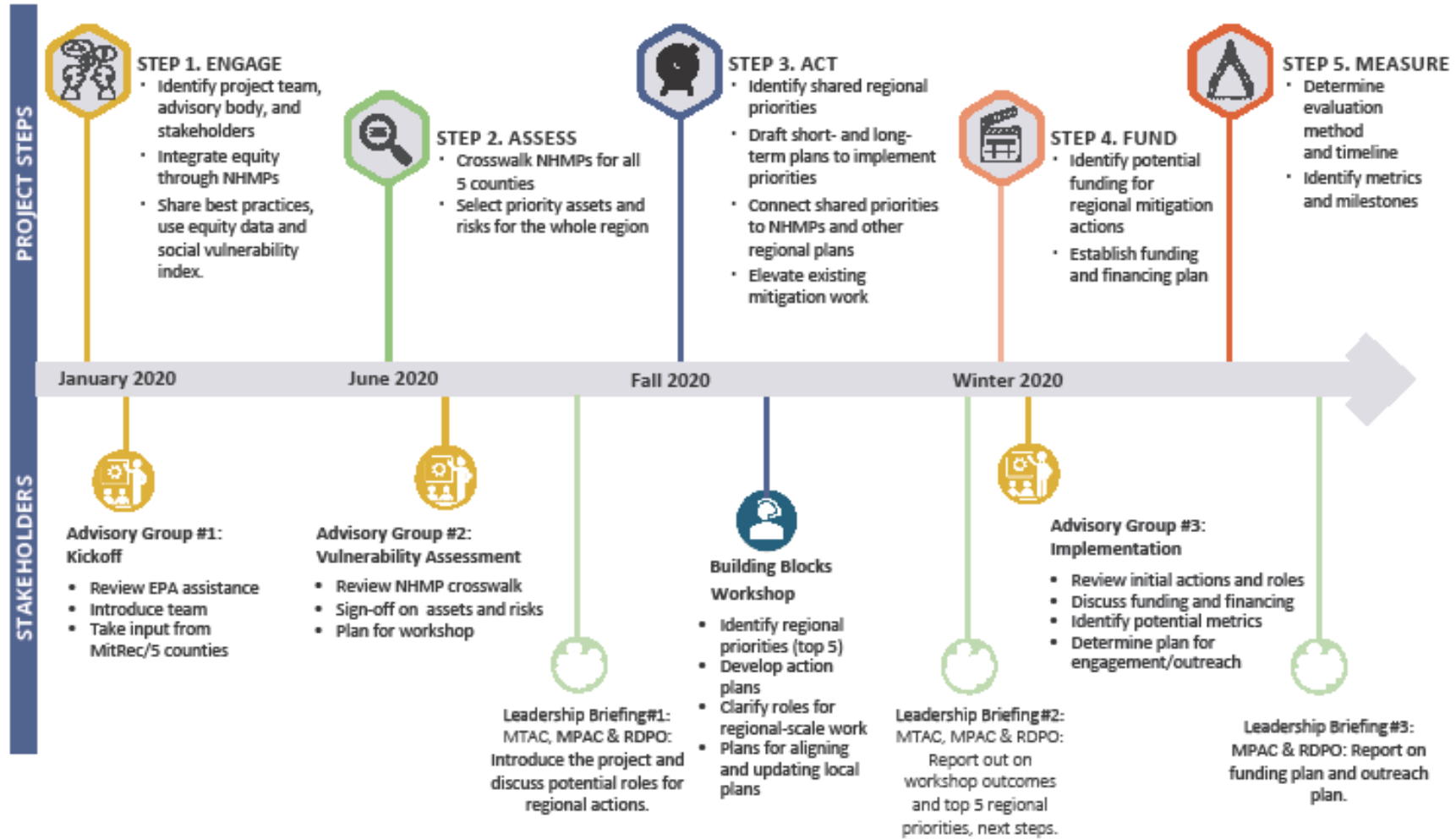
- Land of Sky Regional Council, North Carolina
- Southern Minnesota
- Milwaukee Metropolitan Sewerage District, Wisconsin
- Portland Metropolitan Region, Oregon



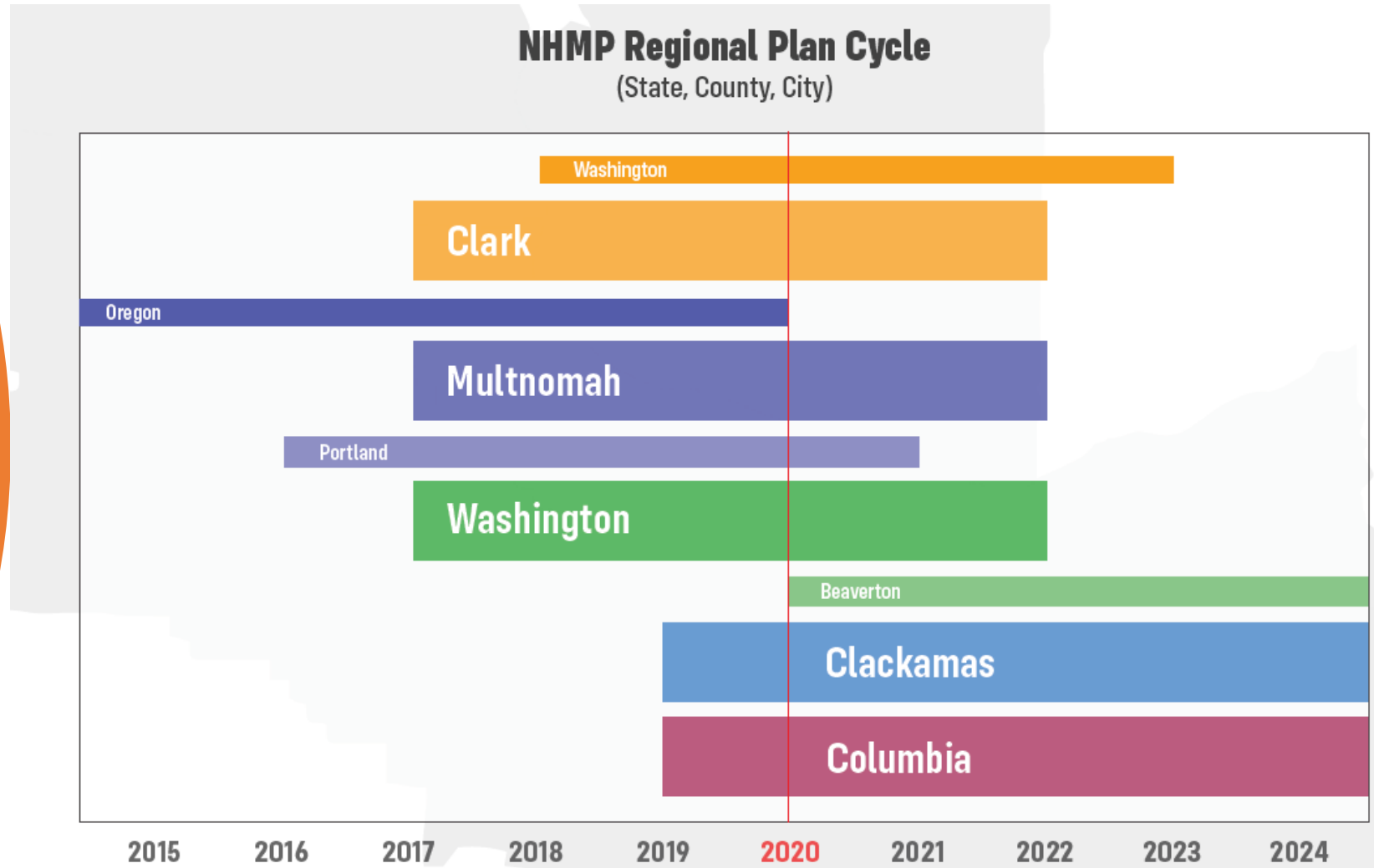
Portland Metropolitan Region

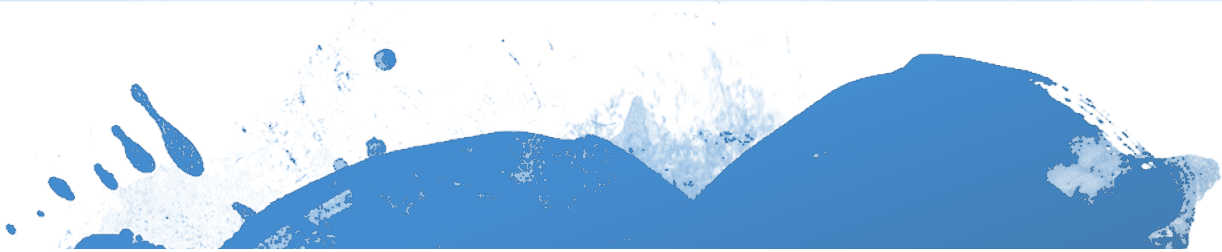
- Support regional coordination and reduce vulnerability by establishing regional priorities and expanding equity in local Natural Hazard Mitigation Plans.
- Focus on the hazards of extreme heat and wildfire smoke.
- Intersection of Climate, Equity and Public Health





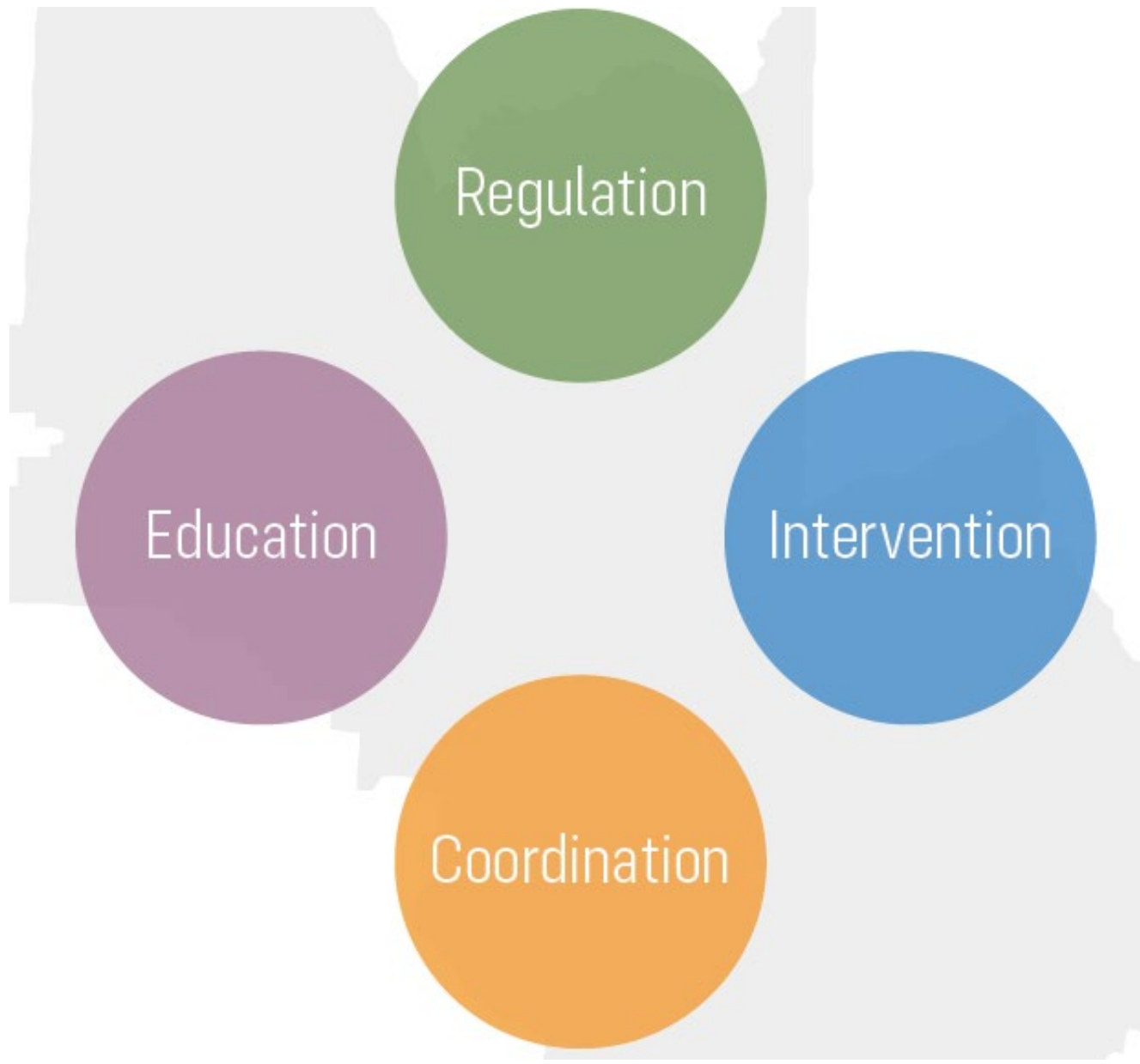
Natural Hazard Mitigation Plan Cycle





GENERAL UNKNOWN
 INCLUDING PROGRAMS EXISTING RESIDENTIAL
 BUILDING MULTNOMAH LANDSLIDE DISASTER
 POTENTIAL LAND SCHOOL INFORMATION UPDATE
 MEDIUM REVIEW COMMUNITY WATER CLARK STRUCTURES
 FUNDING SEVERE DAMAGE FLOOD WASHINGTON
 STORM COLUMBIA CRITICAL POPULATION
 WINTER FACILITY FIRE NATURAL PLANS
 IMPACT FEMA DATA
 PROPERTY MANAGEMENT RIVER EARTHQUAKE
 EVENT ANALYSIS INFRASTRUCTURE DEPARTMENT
 COMMITTEE ONGOING SERVICES BUILDINGS





Regulation

Education

Intervention

Coordination



1. Severe Weather 

2. Earthquake 

3. Flood 

5. Volcanic Activity 



4. Wildfire 

6. Drought 



7. Landslide 

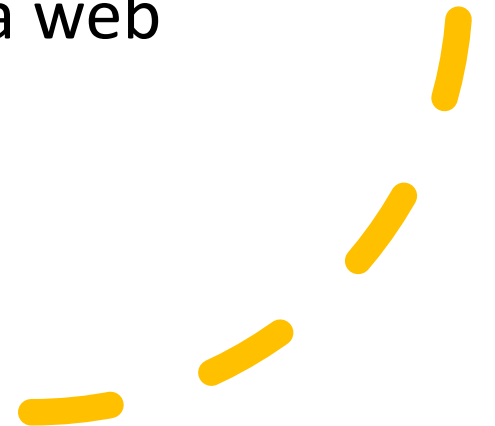
8. Extreme Heat 

9. HazMat*

10. Dam Failure*

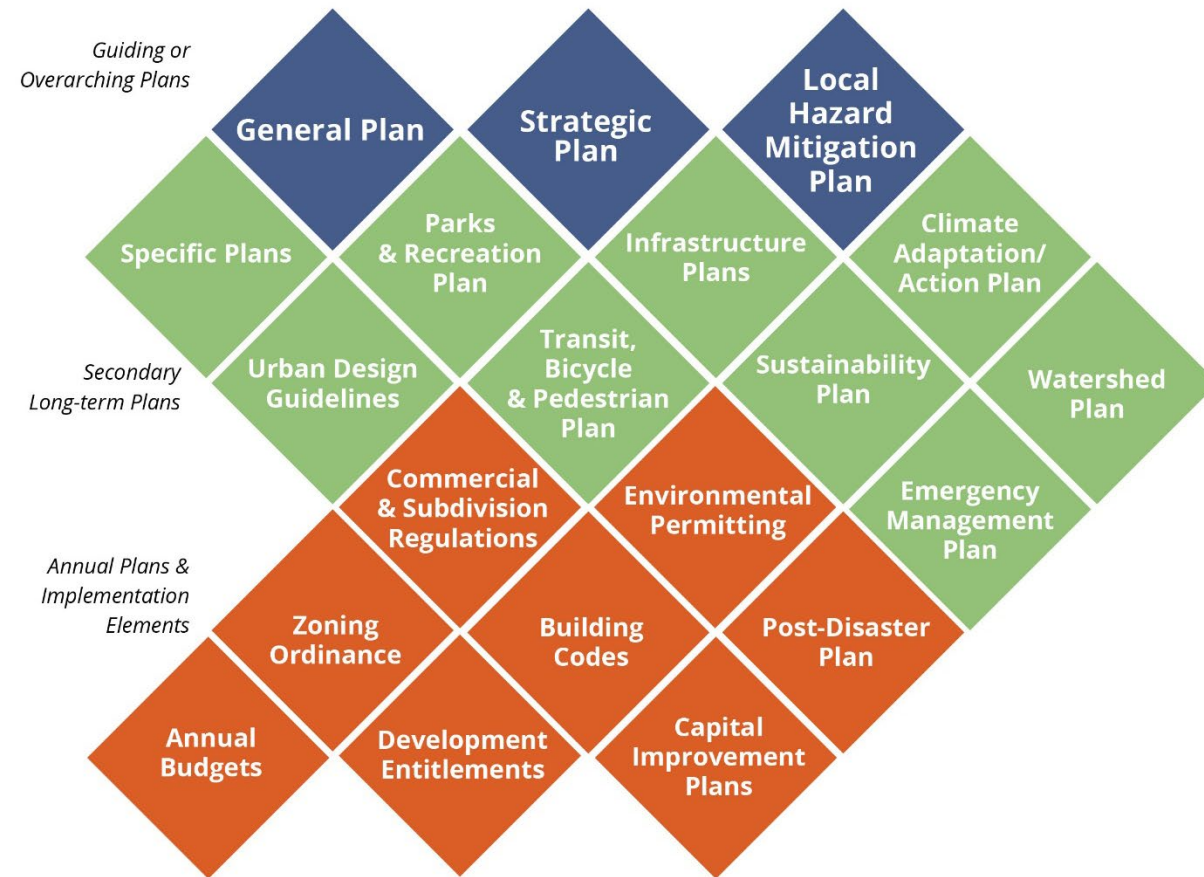
What's Missing?

- **Climate Change**
- **Equity Lens**
- **Hazards:** public health, biological threats, terrorism & cyber attacks
- Identification of responsible agency/bureau
- Project cost estimates
- Actionable action items
- Living document (usability with a web interface)
- Goal-oriented planning



Questions to consider

- Are the chosen hazards universally relevant?
- Beyond Natural Hazard Mitigation Plan, what other plans should we be looking at?
- Who should we make sure is in these workshops?
- What regional scale policies and projects can help improve resiliency?



Discussion



Thank you!

Sasha Pollack - Resilience Program Manager, Metro
sasha.pollack@oregonmetro.gov

Laura Hanson - Senior Regional Planning Coordinator, RDPO
Laura.hanson@portlandoregon.gov

Abby Hall - Office of Community Revitalization, U.S. EPA
Hall.Abbey@epa.gov