

# 2024 MAINTENANCE

Northwest Pipeline

March 2024



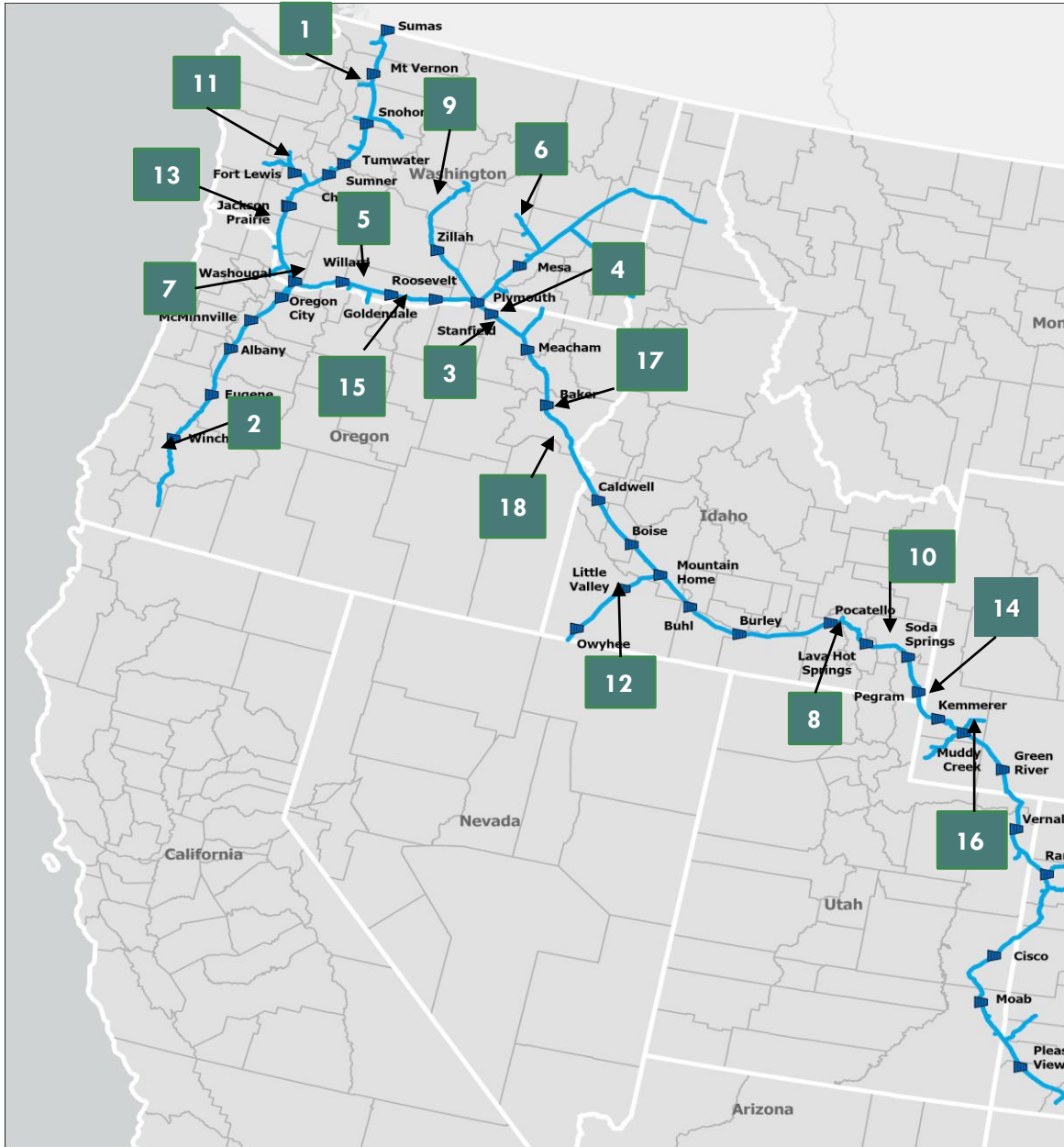
# AGENDA

## Review 2024 Maintenance Items

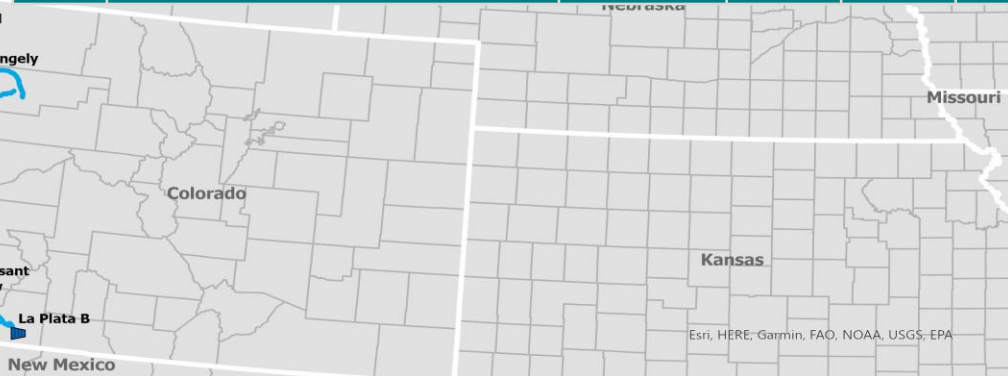
- ILI Tool Runs
- Anomaly Work
- Pipeline Work
- Compressor Work
- Work with Impacts

## Impact Mitigation Strategies

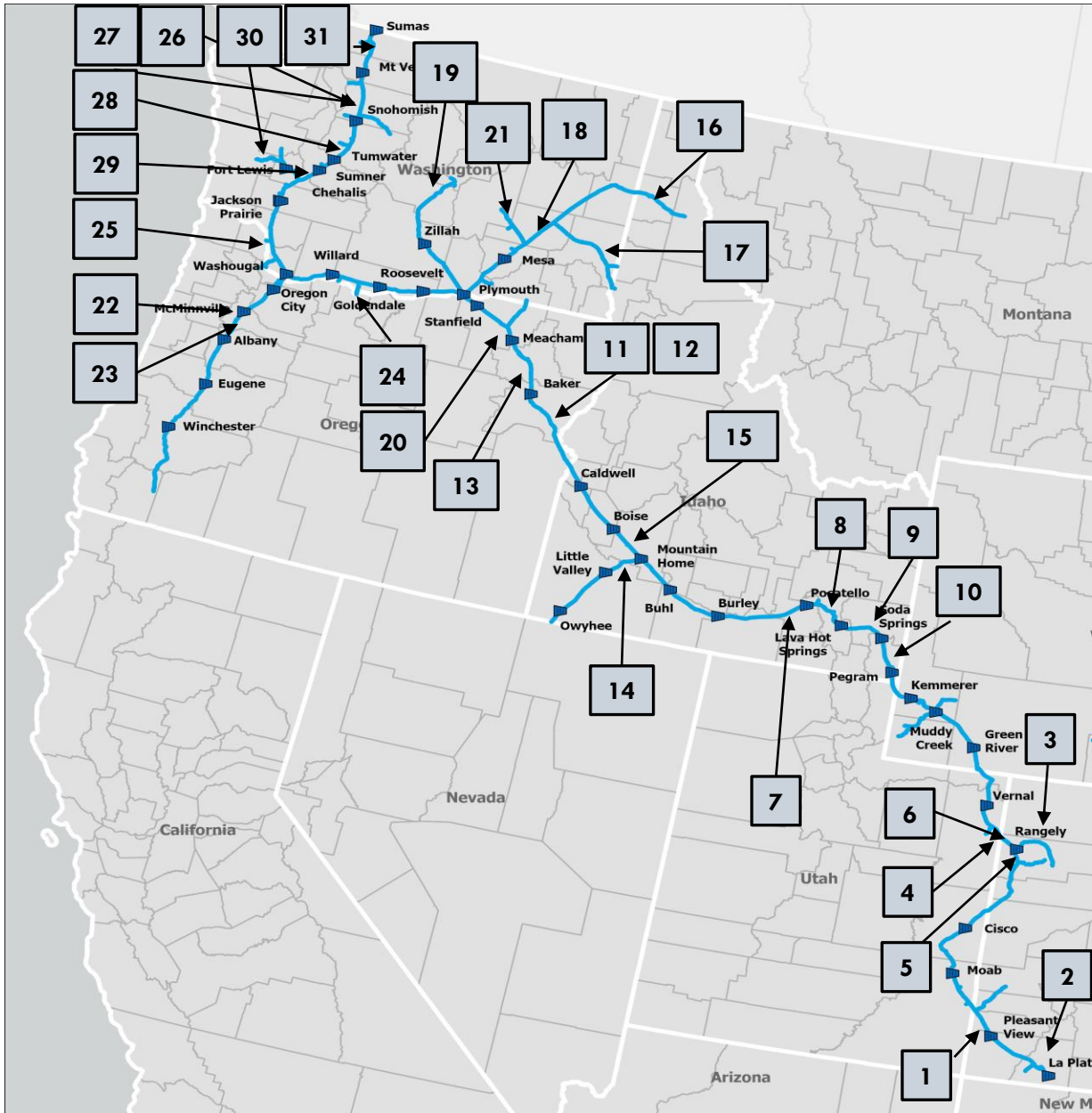
# 2024 MAINTENANCE PROJECTS: ILI TOOL RUNS



Point	Task Description	District	Start Date	End Date	Duration	Potential	Anticipated Impacts
1	Standwood Lateral	SUMAS	2/27/24	2/30/24		Yes	No
2	Winchester C/S to Grants Pass M/S	EUGENE	3/4/24	3/14/24		Yes	No
3	Walla Walla Lateral	PLYMOUTH	May/July	May/July		Yes	No
4	Stanfield to Plymouth Loop Line	PLYMOUTH	4/24/24	4/26/24		Yes	No
5	Dalles Lateral	BATTLEGROUND	5/14/24	5/17/24		Yes	No
6	Moses Lake Lateral	SPOKANE	5/20/24	5/24/24		Yes	No
7	Willard C/S to Washougal C/S	BATTLEGROUND	6/4/24	6/6/24		Yes	No
8	Lava Hot Springs C/S to Pocatello C/S	POCATELLO	6/4/24	6/7/24		Yes	No
9	Alcoa-Wenatchee to EOL	SPOKANE	6/4/24	6/7/24		Yes	No
10	Soad Springs C/S to Lava Hot Springs C/S	POCATELLO	6/11/24	6/14/24		Yes	No
11	North Seattle Lat 8"	REDMOND	6/11/24	6/13/24		Yes	No
12	Reno Lateral-MTN home C/S to Little Valley	BOISE	6/25/24	6/28/24		Yes	No
13	Astoria line	BATTLEGROUND	Sept	Sept		Yes	No
14	Kemmerer C/S to Pegram C/S	KEMMERER	7/9/24	7/12/24		Yes	No
15	Roosevelt C/S to Goldendale C/S	PASCO	7/15/24	7/20/24		Yes	No
16	Big Piney Lateral	KEMMERER	7/16/24	7/19/24		Yes	No
17	Snake River MP 872 to Baker C/S	BOISE	8/5/24	8/15/24		Yes	No
18	Snake River to Snake River MP 756-872	BOISE	8/26/24	8/30/24		Yes	No

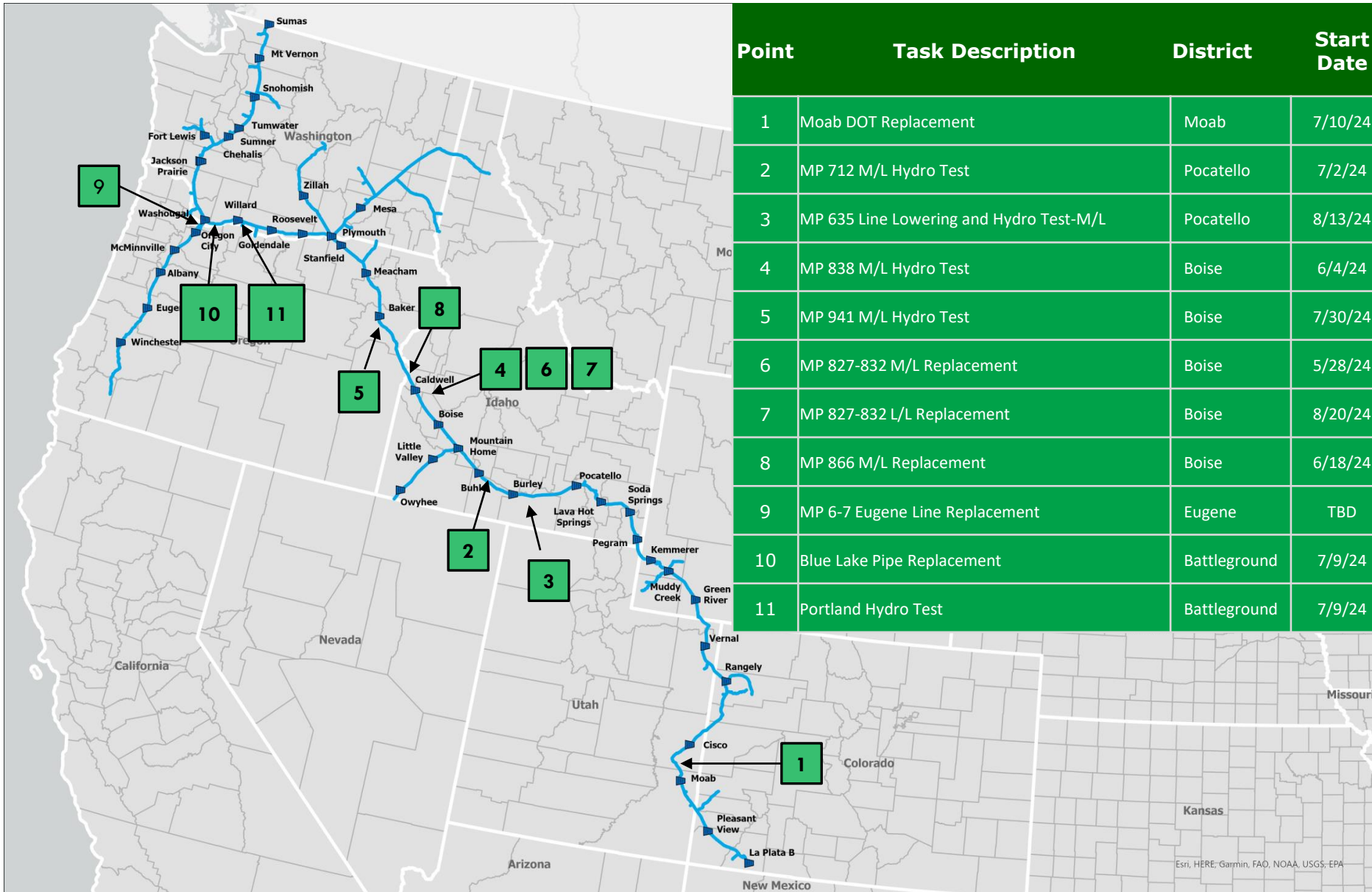


# 2024 MAINTENANCE PROJECTS: ANOMALY DIGS



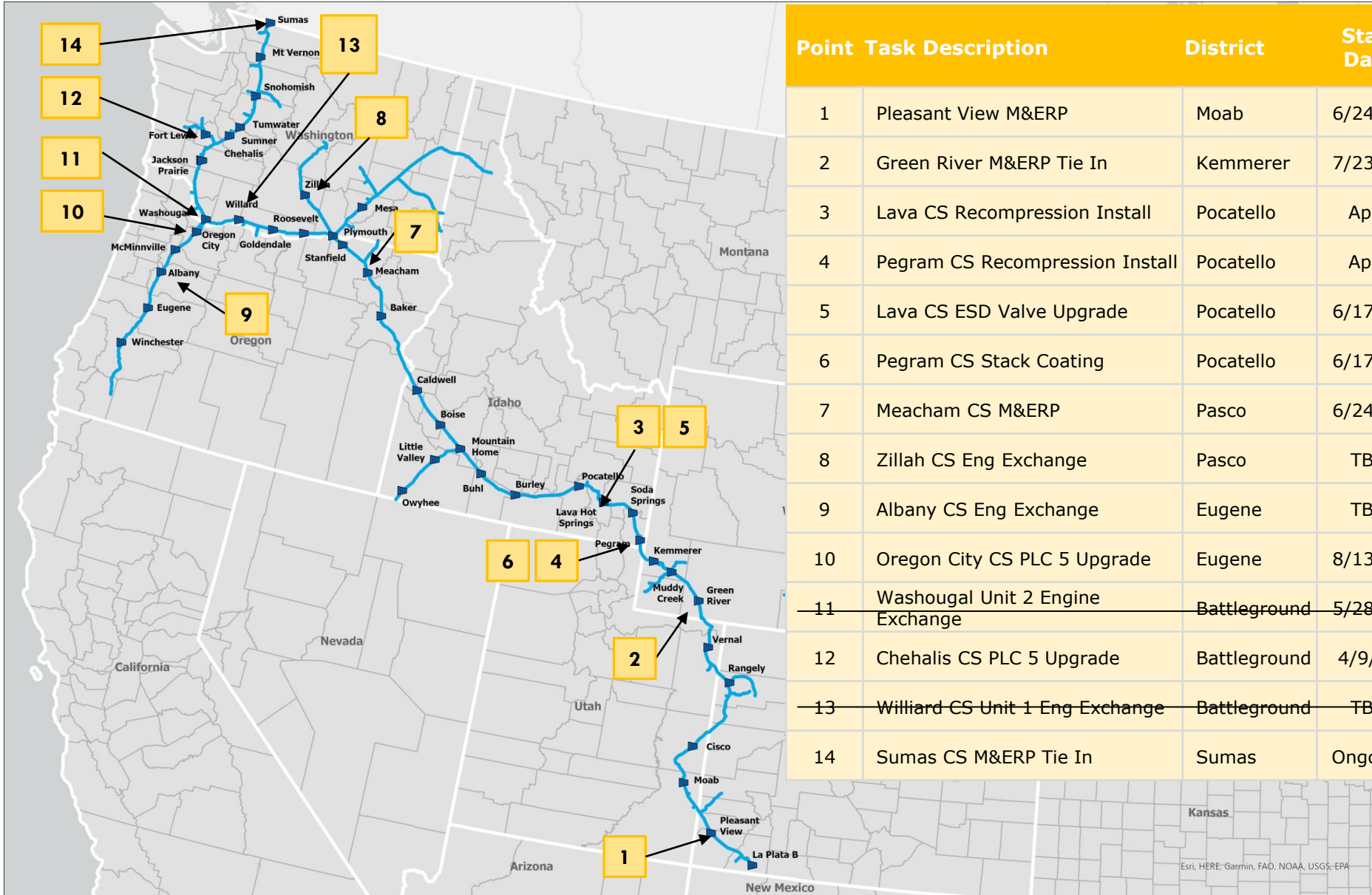
Point	Task Description	District	Start Date	End Date	Duration	Potential	Anticipated Impacts
1	Pleasant View to Moab	Moab	5/15/24	6/19/24		Yes	No
2	La Plata to Pleasant View	Moab	6/27/24	7/27/24		Yes	No
3	Piceance Creek Lateral	Vernal	5/30/24	10/1/24		Yes	No
4	Rangely to Vernal	Vernal	6/6/24	9/7/24		Yes	No
5	MP 257 Recoat	Vernal	6/25/24	8/30/24		Yes	No
6	MP 259 Recoat	Vernal	6/25/24	6/25/24		Yes	No
7	MP 636 Recoat	Pocatello	8/13/24	10/5/24		Yes	No
8	MP 586 Recoat	Pocatello	8/6/24	9/7/24		Yes	No
9	Soda Spring C/S to Lava Hot Springs C/S	Pocatello	6/17/24	7/31/24		Yes	No
10	Pegram to Soda Springs	Pocatello	8/6/24	9/21/24		Yes	No
11	Snake River to Baker	Boise	TBD	TBD		Yes	No
12	Snake River to Snake River	Boise	TBD	TBD		Yes	No
13	Baker to Meacham	Boise	5/7/24	7/31/24		Yes	No
14	Reno Lateral-MTN Home C/S to Little Valley	Boise	TBD	TBD		Yes	No
15	MP 789 Recoat	Boise	5/7/24	6/29/24		Yes	No
16	Couer D'Alene Lat/ Kellog Lat	Spokane	6/18/24	9/5/24		Yes	No
17	Lewiston Lateral	Spokane	6/18/24	9/5/24		Yes	No
18	Spokane Meade to Ritzville	Spokane	8/1/24	8/17/24		Yes	No
19	Yakima To Alcoa Wenatchee	Pasco	4/22/24	6/1/24		Yes	No
20	Meacham C/S to Plymouth C/S	Pasco	6/4/24	7/27/24		Yes	No
21	Moses Lake Lateral	Pasco	TBD	TBD		Yes	No
22	McMinnville C/S Recoat	Eugene	TBD	TBD		Yes	No
23	Jefferson MS Recoat	Eugene	4/15/24	4/30/24		Yes	No
24	Goldendale C/S to Willard C/S	Battleground	6/11/24	8/2/24		Yes	No
25	Washougal C/S to Chehalis C/S	Battleground	8/1/24	9/15/24		Yes	No
26	North Seattle Loop	Redmond	6/25/24	7/18/24		Yes	No
27	North Seattle Lateral 20"	Redmond	6/17/24	6/25/24		Yes	No
28	Sumner C/S to Snohomish C/S	Redmond	TBD	TBD		Yes	No
29	Duval MS Recoat	Redmond	TBD	TBD		Yes	No
30	Little Rock MS Recoat	Redmond	TBD	TBD		Yes	No
31	Fruitdale Flooded Casing	Sumas	TBD	TBD		Yes	No

# 2024 MAINTENANCE PROJECTS: PIPELINE WORK



Point	Task Description	District	Start Date	End Date	Duration	Potential	Anticipated Impacts
1	Moab DOT Replacement	Moab	7/10/24	7/20/24	11	Yes	Yes
2	MP 712 M/L Hydro Test	Pocatello	7/2/24	7/10/24	8	No	No
3	MP 635 Line Lowering and Hydro Test-M/L	Pocatello	8/13/24	9/9/24	28	Yes	No
4	MP 838 M/L Hydro Test	Boise	6/4/24	6/10/24	7	Yes	No
5	MP 941 M/L Hydro Test	Boise	7/30/24	8/5/24	7	Yes	No
6	MP 827-832 M/L Replacement	Boise	5/28/24	8/10/24	75	Yes	No
7	MP 827-832 L/L Replacement	Boise	8/20/24	10/26/24	68	Yes	No
8	MP 866 M/L Replacement	Boise	6/18/24	7/15/24	29	Yes	No
9	MP 6-7 Eugene Line Replacement	Eugene	TBD	TBD		No	No
10	Blue Lake Pipe Replacement	Battleground	7/9/24	7/23/24	15	Yes	Yes
11	Portland Hydro Test	Battleground	7/9/24	7/9/24	15	Yes	Yes

# 2024 MAINTENANCE PROJECTS: COMPRESSOR WORK AND M&ERP



Point	Task Description	District	Start Date	End Date	Duration	Potential	Anticipated Impacts
1	Pleasant View M&ERP	Moab	6/24/24	10/15/24	114	Yes	No
2	Green River M&ERP Tie In	Kemmerer	7/23/24	9/3/24	43	Yes	No
3	Lava CS Recompression Install	Pocatello	April	May	TBD	Yes	No
4	Pegram CS Recompression Install	Pocatello	April	May	TBD	Yes	No
5	Lava CS ESD Valve Upgrade	Pocatello	6/17/24	7/5/24	19	Yes	No
6	Pegram CS Stack Coating	Pocatello	6/17/24	6/28/24	12	Yes	No
7	Meacham CS M&ERP	Pasco	6/24/24	10/15/24	114	Yes	No
8	Zillah CS Eng Exchange	Pasco	TBD	TBD	5	Yes	No
9	Albany CS Eng Exchange	Eugene	TBD	TBD	5	Yes	No
10	Oregon City CS PLC 5 Upgrade	Eugene	8/13/24	9/3/24	22	Yes	No
<del>11</del>	<del>Washougal Unit 2 Engine Exchange</del>	<del>Battleground</del>	<del>5/28/24</del>	<del>6/25/24</del>	<del>29</del>	<del>Yes</del>	<del>No</del>
<del>12</del>	<del>Chehalis CS PLC 5 Upgrade</del>	<del>Battleground</del>	<del>4/9/24</del>	<del>4/23/24</del>	<del>15</del>	<del>Yes</del>	<del>No</del>
<del>13</del>	<del>Williard CS Unit 1 Eng Exchange</del>	<del>Battleground</del>	<del>TBD</del>	<del>TBD</del>	<del>5</del>	<del>Yes</del>	<del>No</del>
14	Sumas CS M&ERP Tie In	Sumas	Ongoing	10/1/24	0	Yes	No

# 2024 MAINTENANCE IMPACTS



Point	Task Description	District	Start Date	End Date	Duration	Potential	Anticipated Impacts
1	MOAB DOT Pipeline Replacement	Moab	7/10/24	7/20/24	11	Yes	Yes
2	Blue Lake Pipeline Replacment	Battleground	7/22/24	8/5/24	15	Yes	Yes
3	Portland Hydro Test	Battleground	7/22/24	8/5/24	15	Yes	Yes

# IMPACT MITIGATION STRATEGIES

- Analyze flow patterns to determine least impactful maintenance timeframes
- Coordinating with power generators, LDCs, end users and interconnects
- Avoid impacts to trading blocks as much as possible
- Utilizing multiple contractors in the same corridor at the same time
- Maximizing storage, line pack and interconnect flexibility
- Capitalizing on new and efficient technology
- Utilize stopple and bypass
- Plan inline inspections earlier in the year to avoid heating season impacts



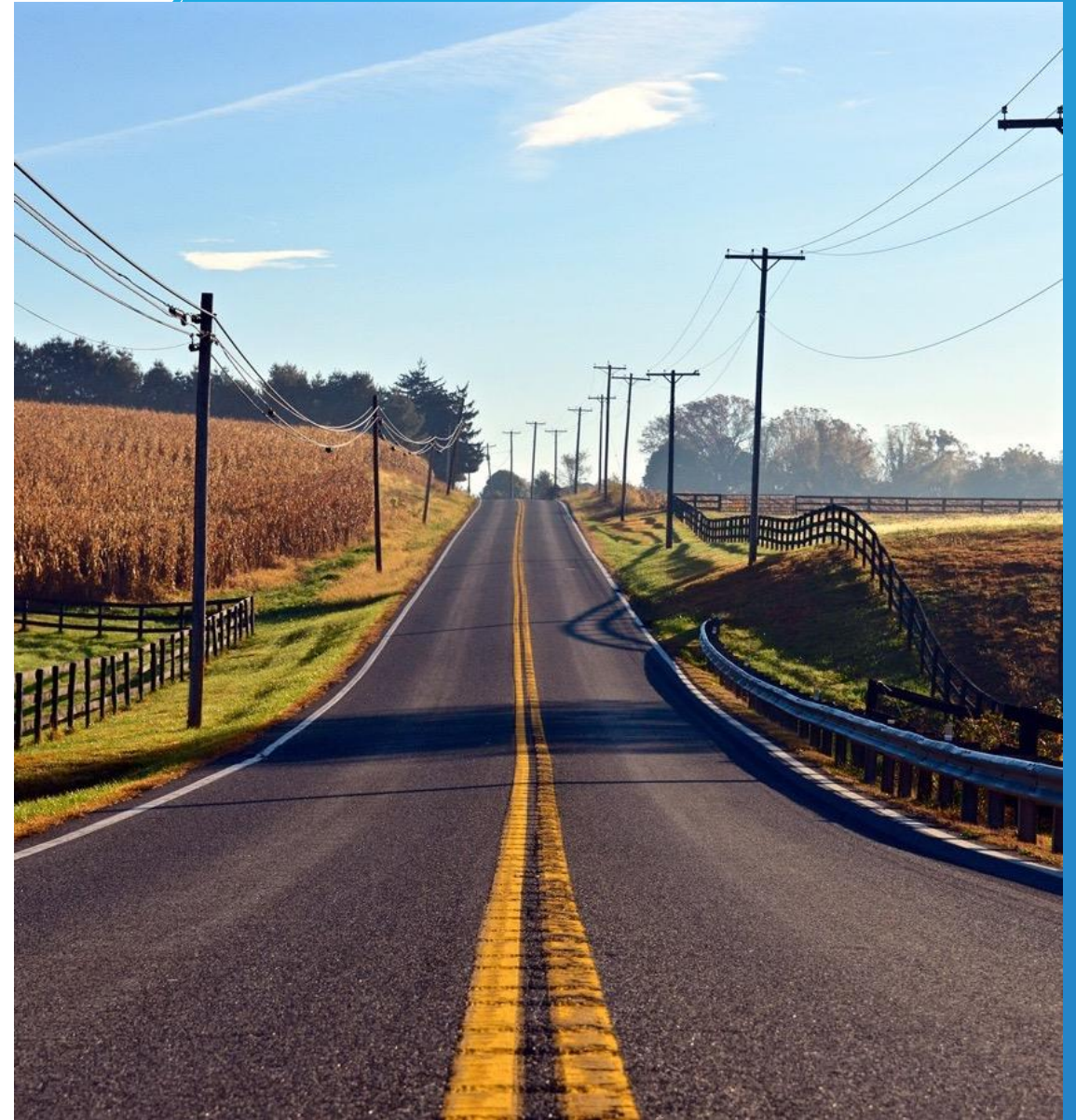


# CONCLUSION

Northwest will continue to provide updates.

Maintenance dates are subject to change.

The 2024 maintenance schedule is posted on Northwest's website at <http://www.northwest.williams.com>



**THANK  
YOU**