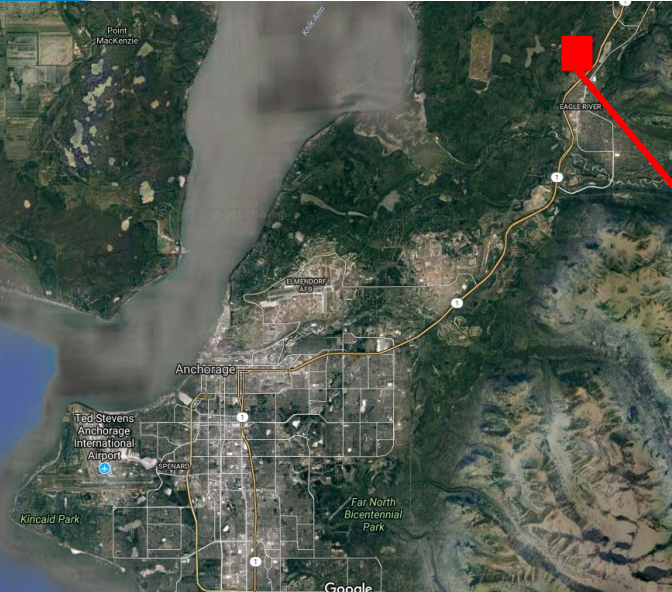


Water & Sewer Infrastructure Expansion Powder Reserve Development

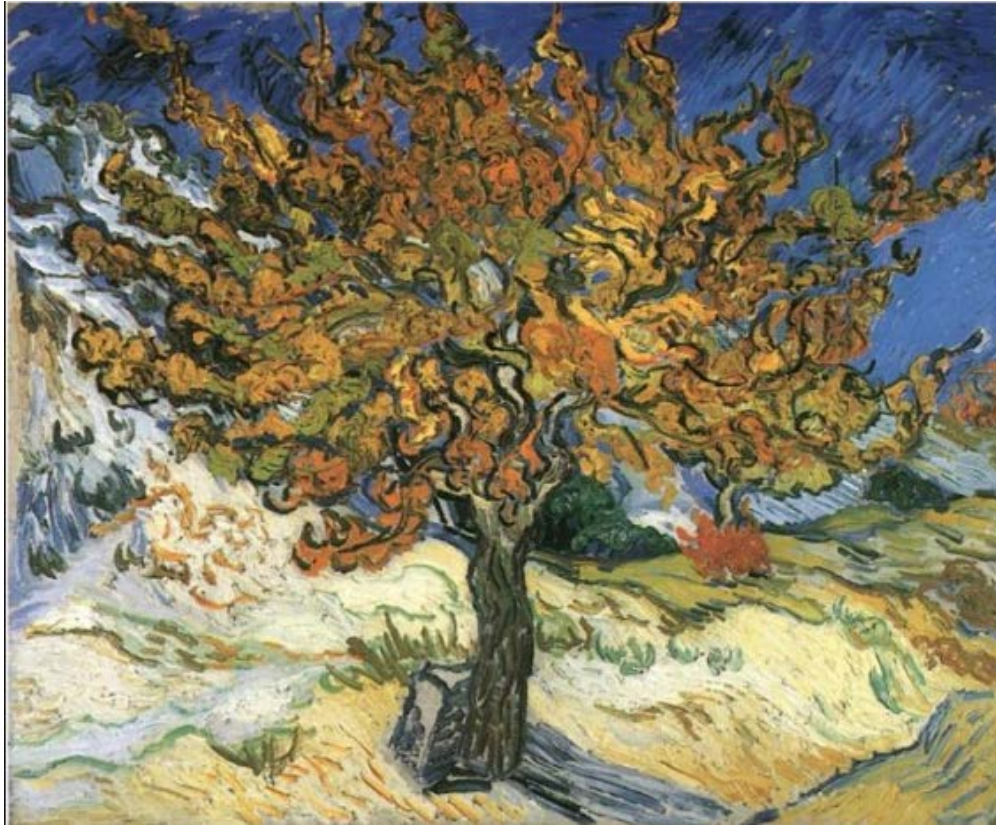
*Presentation to Area Residents
August 9, 2017*



Powder Reserve Development



AWWU Infrastructure is like a tree.



- Trunk = Water Transmission Main and Sewer Trunk Main
- Branch = Water Distribution and Sewer Lateral Main
- Stem of Leaf = The Service Connection and Extension
- Leaf = The Home

3



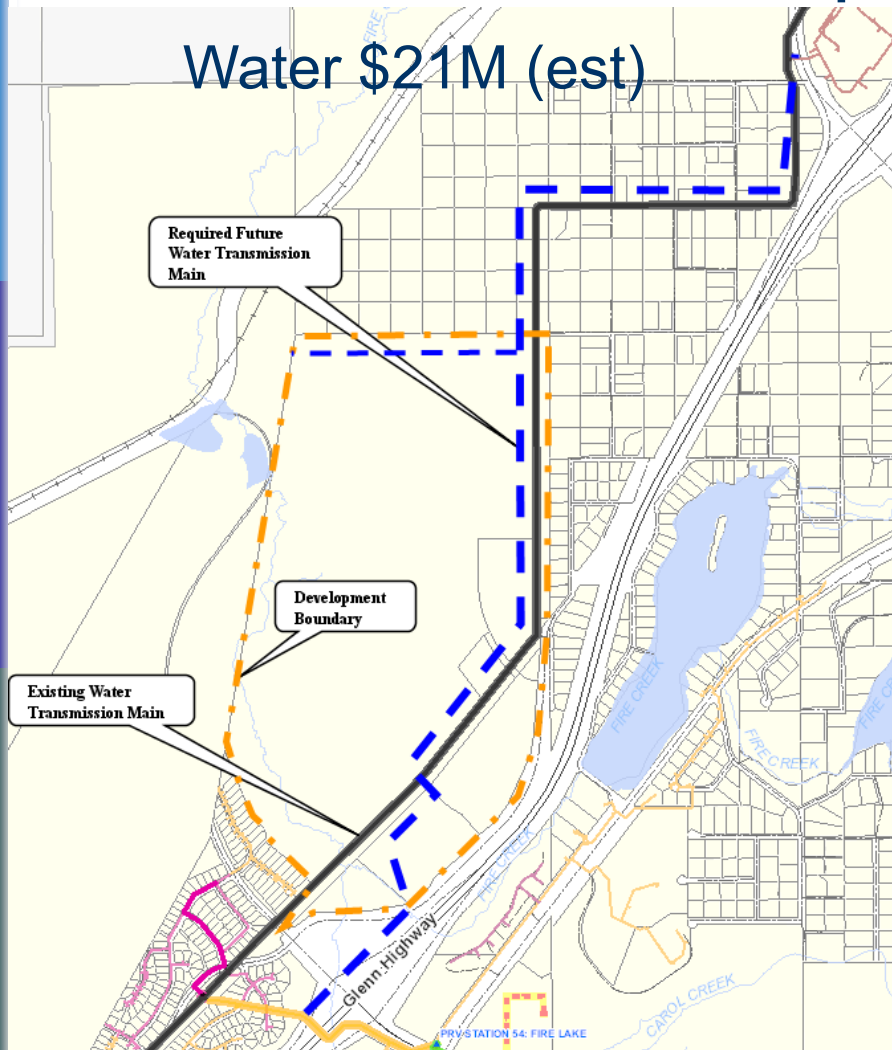
AWWU and Eklutna share project goals:

- Work together on “Backbone” infrastructure.
 - Trunk facilities serve regional interests.
 - Branches, stems, and leaves serve local interests.
- Build infrastructure ahead of development.
 - Meet development needs.
 - Meet public/AWWU needs.
- Achieve overall savings through joint project.

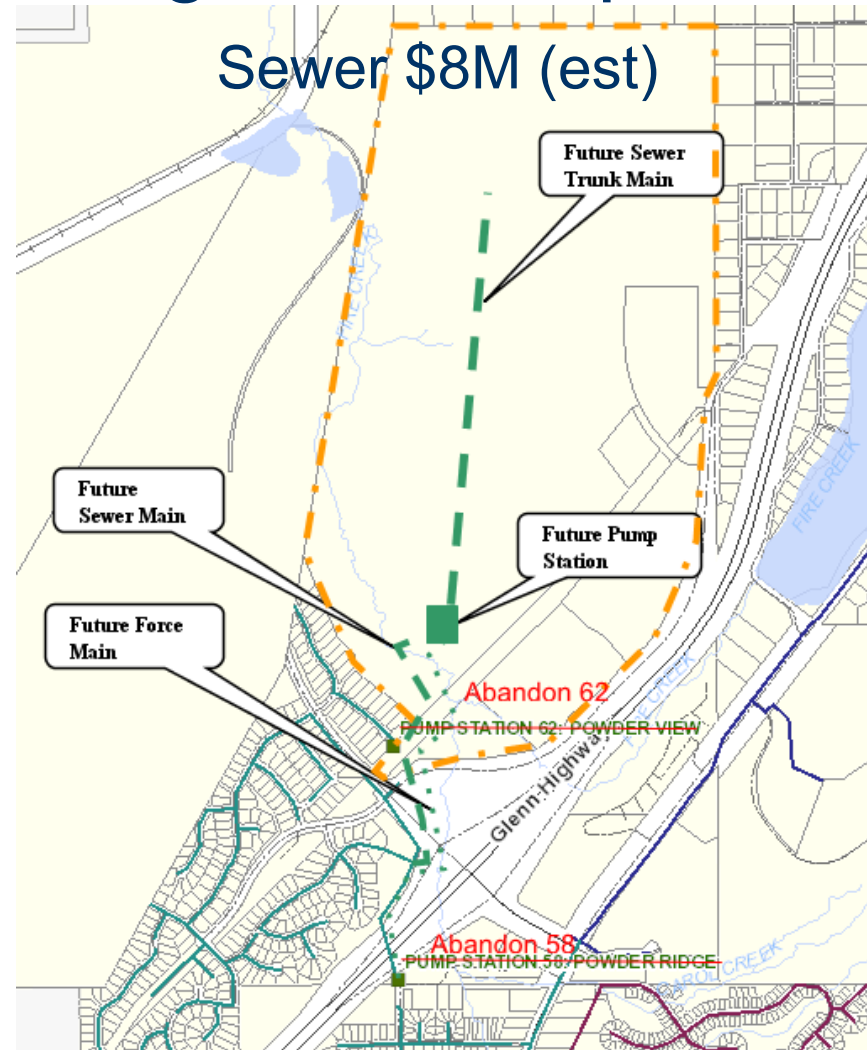


Trunk facilities require significant capital.

Water \$21M (est)



Sewer \$8M (est)

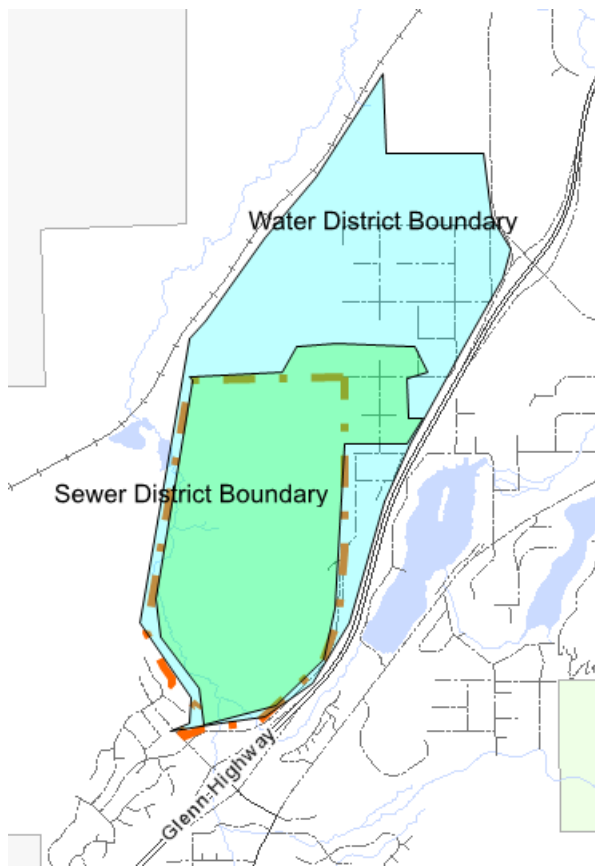


Recent AWWU water and sewer tariff changes facilitate regional system expansion.

- Created: Water Transmission Main Improvement District
- Modified existing: Sewer Trunk Improvement District
- Created: Infrastructure Coordination Agreement
- Input by Administration and Enterprise Committee



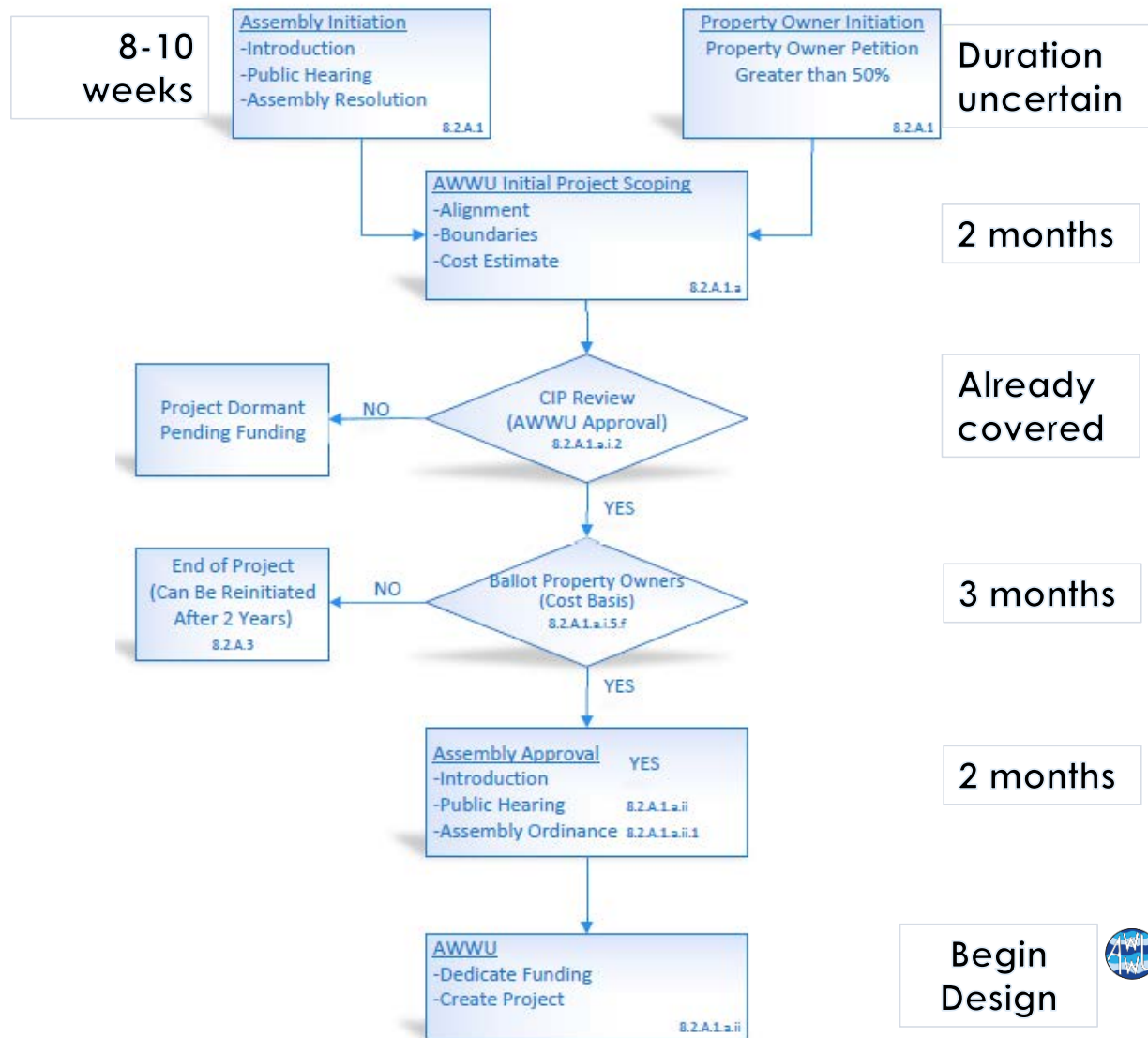
Topography dictates district boundaries.



- Districts include properties outside Powder Reserve.
- All included properties:
 - Vote on whether to accept project costs.
 - Contribute to cost recovery, based on lot size.
 - Are levied assessments upon connection.



Total process duration can be 8 to 10 months from inception through approval.



Two ways to initiate improvement districts:

Assembly Initiation

- No petition is required.
- Assembly Resolution (AR) initiates district process.
- AR subject to Public Hearing, All properties notified in advance.
- Leads to :
 - Scoping
 - Cost estimating
 - Balloting for acceptance of costs
- Assembly Ordinance (AO) upon property owner approval.

Property Owner Initiation

- Requires signatures of Owners of parcels bearing >50% of assessable area.
- Leads to :
 - Scoping
 - Cost estimating
 - Balloting for acceptance of costs
- Assembly Ordinance (AO) upon property owner approval.



AWWU Capital Improvement Plan can accommodate ID's in context of other needs.

AWWU 6-year Water Capital Improvement Program

<u>Funding Year</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>Total For Project Type</u>
Non-construction Projects	\$3,995,000	\$3,255,000	\$3,300,000	\$3,350,000	\$3,325,000	\$3,550,000	\$20,775,000
Other Construction Projects	\$25,225,000	\$25,055,000	\$26,150,000	\$26,855,000	\$27,930,000	\$33,450,000	\$164,665,000
Powder Reserve Water	\$3,400,000	\$4,550,000	\$4,550,000	\$4,550,000	\$4,500,000	\$0	\$21,550,000
Water CIP Total	\$32,620,000	\$32,860,000	\$34,000,000	\$34,755,000	\$35,755,000	\$37,000,000	

AWWU 6-year Sewer Capital Improvement Program

<u>Funding Year</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>Total For Project Type</u>
Non-construction Projects	\$4,100,000	\$2,965,000	\$3,315,000	\$3,340,000	\$3,315,000	\$3,540,000	\$20,575,000
Other Construction Projects	\$30,662,000	\$29,345,000	\$31,585,000	\$33,566,000	\$33,685,000	\$34,460,000	\$193,303,000
Powder Reserve Sewer	\$1,600,000	\$4,400,000	\$2,000,000	\$0	\$0	\$0	\$8,000,000
Sewer CIP Total	\$36,362,000	\$36,710,000	\$36,900,000	\$36,906,000	\$37,000,000	\$38,000,000	

Anchorage Water & Wastewater Utility  Clearly



AWWU is prepared to implement the improvement district process.

Assembly Resolution can be ready for:

- Introduction by September 12;
- Public Hearing and Action by September 26

