
West Canal Long View

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Demand Change

▷ Climate Change

- Ephrata New Record High 2021 - **116 F**

▷ Last 10 years Crop Pattern Change

- Apples +11,000 acres - Increase
- Wheat -13,000 acres - Decrease

▷ Peak Demand

- Increased duration - July to Mid-August



West Canal Capacity Constraint

▶ West Canal Mile 20

- Design Capacity 3760 cfs
- 2022 Peak Flow 4100 cfs

▶ Homestead Pumping Plant

- Location West Canal mile 61 and Frenchman Hills Wasteway
- Capacity 240 cfs
- Pump Return flows from W645
- \$10 - \$12 Million



System Improvements Modernization

▷ Piping / Lining / Pump Plant Modernize

- District Share
- WaterSmart Grants / other grants
- Aging infrastructure Loans

▷ Modernize Current SCADA

- Developing Scoping ----- \$\$\$

▷ Lateral & Turnout Automation

- Labor savings -\$\$
- Cost +\$\$\$\$\$



Limited Acreage Change

- ▶ **Irrigable 254,400 Acres**
 - Farm Units 222,000
 - Article 28 WSC 23,400
 - Master WSC 10,000 – renewed 2022

- ▶ **10D Transfer of Released FUs**
 - 1,300 acres

- ▶ **Amend MWSC additional 60,000 Acres**
 - Served from Return and Conserved Water



Shared Cost and Revenue

▶ Current Q40%, E29%, S31%

- RW Cost - \$14.3 M
- Quincy GW Revenue - \$3.9 M
- Power Revenue - \$9M

▶ Future Q34%, E36%, S30%

- Banks Lake Pump Storage ??
- Pasco GW



Conclusion

Any questions?

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