Grand Coulee Purposes/Obligations

- Flood Risk Management
- Power Generation
- Environmental Stewardship
- Irrigation, M&I
- Recreation
- Navigation
Project Operations

• Review General Operations by season at Grand Coulee Dam.

• Not an exhaustive list, this will only cover the general requirements.
Lake Roosevelt Elevations

- Red: Dry Year with Drum Gate Maintenance
- Green: Wet Year
- Blue: Dry Year with No Drum Gate Maintenance

Elevation (feet) vs. Dates from Oct 1 to Sep 1.

RECLAMATION
Grand Coulee, Fall Operations
August through September

Lake Roosevelt Elevations - August through September

- Red: Dry with Drum Gate Maintenance
- Green: Wet
- Blue: Dry with No Drum Gate Maintenance

Aug 1 to Sep 1 elevation changes.
Grand Coulee, Fall Operations
October through December
Grand Coulee, Winter Operations
January through March

Lake Roosevelt Elevations - January through March

- Dry Year with Drum Gate Maintenance
- Wet Year
- Dry Year with No Drum Gate Maintenance
Grand Coulee, Spring Operations
April through June
Grand Coulee, Summer Operations
July through August
Grand Coulee, General Operation Considerations Year Round

- Grand Coulee discharges can fluctuate significantly to meet regional power needs.

- Drawdown of Lake Roosevelt limited to 1.5 feet per rolling 24 hours. This limitation may be exceeded with special permission and additional monitoring in certain elevation bands on a case-by-case basis.
Future Considerations

• LRISRP – When fully implemented will draft an additional foot from Lake Roosevelt in most years; in drought years up to 1.8 additional feet. Will need to refill this additional draft in September.

• Odessa Subarea– an additional 6 feet of draft by end of August from Banks Lake to supply irrigation, refill from Lake Roosevelt restricted to October to avoid impacts to Columbia River flows.
Other Future Considerations

There will be impact from these programs in future but don’t know the full impact at this time.

• Future FCRPS Biological Opinions.

• Projected impacts to hydrologic regime from a changing climate.