Oregon
Tina Kotek, Governor

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OWRD's Surface Water Information Modeling System (SWIMS)

Technical Advisory Group Meeting #5

Date: October 6th, 2026

Time: 9:00 – 11:00 am

Location: Virtual

Zoom Meeting:
https://zoom.us/j/97617543017?pwd=axUZ2oAOKGzFtb6s3KLWa72oUGuVor.1
Meeting ID: 976 1754 3017
Passcode: 407123

Meeting purpose:
To gather feedback from TAG members to support development of the water availability modeling framework, including validation of OWRD's Statewide ET dataset, evaluation of methods for augmenting streamflow records, and discussion of analytical approaches for estimating streamflow depletion from groundwater withdrawal.

Meeting goals:
1. Present a plan to validate OWRD's Statewide ET dataset.
2. Present findings of an analysis to evaluate the suitability of methods to impute and extend streamflow records as approaches to expand data availability for developing the natural flow model.
3. Discuss analytical methods to estimate the impacts of groundwater withdrawal on streamflow depletion.

Agenda and discussion questions:
1. Welcome (9:00 – 9:05)
2. Meeting purpose and recap previous meeting (9:05 – 9:25)
    a. Validating OWRD's Statewide ET dataset
3. Streamflow record augmentation (9:25 – 9:40)
    a. Do you agree that risks associated with imputation are greater than the value gained?
    b. Are you familiar with other guidance to improve the pairing of target and reference stations for record extension?

    c. How should the findings inform the decision of when it is appropriate to perform record extension? For instance, does the risk of error outweigh the benefit gained by loosening pairing criteria when data may be otherwise unavailable?
4. Surface water-groundwater interactions (9:40 – 9:55)
    a. What analytical methods are appropriate to use in different regions of Oregon based on hydrogeology and pumping patterns (e.g., unconfined, semiconfined and confined)?
    b. Where wells impact multiple streams, what apportionment method is most appropriate to use?
    c. Based on available data, methods, project accuracy, and project output needs: at the majority of gages, do you agree that risks outweigh benefits with respect to attempting to remove streamflow depletion from gage data (i.e., addbacks)?
5. Discussion (10:00 – 11:00, w/ five-minute break)