

**From:** [Micheline Fairbank](#)  
**To:** [Gradick, Jamie](#)  
**Subject:** FW: Continuing Education for Judges  
**Date:** Friday, November 19, 2021 12:12:26 PM

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**From:** kingnv@charter.net <kingnv@charter.net>  
**Sent:** Thursday, October 14, 2021 10:56 AM  
**To:** Micheline Fairbank <mfairbank@water.nv.gov>  
**Subject:** Continuing Education for Judges

Good Morning Micheline,

In our last meeting of the Commission to Study the Adjudication of Water Law Cases, Chief Justice Hardesty asked us all to provide suggestions for continuing education possibilities for judges. Below are my initial thoughts:

1. Hydrology 101 – I think that personnel from NDWR Hydrology, USGS, DRI or a combination of all three could give the class. I would recommend that the presentations be provided to the judges for future reference.
  - a. Should include aquifer response to pump tests and time lag
  - b. Surface water/groundwater connectivity
2. Comprehensive Nevada Water Law Class – I believe it would best be given by NDWR. (Several years back, I put together a Water Law 101 and a Water Law 201 powerpoint presentation. The only reason why I say this is that I think the class should go beyond our standard Water Law 101 information)
  - a. Need to discuss Perennial Yield concept and how the estimates were derived
    - i. Evapotranspiration (see Hydrology 101 above). Perennial Yield estimates, in many cases, are based on ET capture.
    - ii. Pumping captures ET and valley floor springs. Lowering of the water table in many cases, impact those springs first
    - iii. Given i and ii above, how can groundwater development be environmentally sound?
  - b. Broach the subject of adaptive management
3. Modeling – I think that personnel from NDWR, USGS and DRI could give the presentation
  - a. Not asking the judges to become modelers but to generally understand model limitations and how they're helpful
4. NDWR Water Bulletins should be sent to the courts, especially those that highlight law changes

5. Strongly urge judges to attend Nevada Water Resources Annual Conferences (time permitting I know). Maybe there could be a concurrent session that could be geared towards Judges?

If you have any questions, please let me know.

Thanks,  
Jason