GETSI Water Resources summative assessment rubric for WMW

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| Component | Exemplary | Basic | Nonperformance |
| Drawing of annual water calendar for western mountain watershed [5 points] | 5 points:Snowpack and streamflow plots populated for typical western mountain watershed and higher annual average temperature scenariosANDYearly variability of snowpack is accurate for WMW and warmer world.ANDYearly variability of streamflow is accurate for WMW and warmer world.ANDRelationships between snowpack and streamflow are accurately depicted on time-series (for example, maximum streamflow follows melting snowpack) | 2-4 points:5 points answer with minor conceptual errorsORYearly variability of snowpack is accurate, but yearly variability of streamflow is not.ORYearly variability of streamflow is accurate, but yearly variability of snowmelt is not.ORRelationships between snowpack and streamflow are not accurately depicted.  | 0-1 point(s):No response provided ORMajor conceptual errors for both snowpack and streamflow plots |

(a)

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| Component | Exemplary | Basic | Nonperformance |
| (a) How the typical plot varies from the warmer world plot [2 points] | 2 points:Accurate, detailed description that references plots of how the typical plot varies from the warmer world plot. | 1 point:Minor conceptual errorsORInsufficient detail about the differences between plots. | 0-1 point(s):No response provided ORMajor conceptual errors  |
| (b) Specific hydrosphere processes that cause plots to differ [2 points] | 2 points:Hydrosphere processes mentioned are those that impact snowpack and streamflow and their annual variability.ANDAccurate explanation of how the processes mentioned impact snowpack and streamflow and their annual variability. | 1 point:2 point answer with minor conceptual errorsORHydrosphere processes mentioned are those that impact snowpack but not streamflow.ORHydrosphere processes mentioned are those that impact streamflow but not snowpack.  | 0 points:No response providedORMajor conceptual errors |
| (c) 3 specific examples of how warmer world changes could impact society [3points] | 3 points:3 specific examples provided.ANDNo conceptual errors. | 1-2 points:1-2 specific examples provided.AND/ORMinor conceptual errors | 0 points:No response givenORMajor conceptual errors. |