

Data and Software Resources for Water and Land Use Decision Making

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- Sonoran Institute's Metrics Project: <https://sonoraninstitute.org/resource/growing-water-smart-metrics-report/>
- Center for Geospatial Solutions: <https://www.lincolnst.edu/centers-initiatives/center-geospatial-solutions/>
 - Data and tools: <https://www.lincolnst.edu/data/>
 - Internet of Water Principles: <https://internetofwater.org/internet-of-water-principles/>
 - CARE Principles for Indigenous Data Governance: <https://www.gida-global.org/care>
- One Water Solutions Institute software portfolio: <https://onewatersolutions.com/our-software/tools/>
 - The POLARIS tool aims to enhance the communication between water use management and land use planning: <https://erams.com/catena/tools/urban-planning/polaris/>
 - Urban water demand forecasting (will soon be rebranded as the Net Zero Water Toolkit): <https://onewatersolutions.com/our-software/tools/urban-planning/urban-water-demand-forecasting/>
 - Tool for water quality assessment: <https://onewatersolutions.com/our-software/tools/water-quality/>
 - Pipe Renewal Prioritization: <https://onewatersolutions.com/our-software/tools/urban-planning/pipe-renewal-prioritization/>
 - Community-enabled Life-cycle Assessment of Stormwater Infrastructure Costs (CLASIC): <https://onewatersolutions.com/our-software/tools/urban-planning/clasic/>
 - River Basin Planning & Management Tools: <https://onewatersolutions.com/our-software/tools/river-basin-planning/>
- The Water Efficiency Rating System (WERS) is a third-party verified tool that developers can use to predict water use for new and existing properties. It allows developers to identify water efficiency goals and determine what design modifications will allow them to reach that water demand goal. WERS was developed and used by the city of Santa Fe and Green Builders Coalition but is now available for universal use. For more information, visit www.wers.us.
- USGS Water Resources: <https://www.usgs.gov/mission-areas/water-resources/data>
 - USGS Water Data for the Nation: <https://waterdata.usgs.gov/nwis>
- EPA Water Data and Tools: <https://www.epa.gov/waterdata>
- Water Supply Stress Index Model: <https://wassweb.fs.usda.gov/about/>
- World Bank Water Data: <https://wbwaterdata.org/>
- The World Resources Institute maps water stress around the world and has found that major regions of every inhabited continent have serious water risks. For more information, visit www.wri.org/aqueduct.
- The World Wildlife Fund's Water Risk Filter is a free online tool that companies and investors can use to assess asset and portfolio water risk. The screening tool provides information that can be used to prioritize action on what and where it matters the most to address water risks for

enhancing business resilience and contributing to a sustainable future. For more information, visit waterriskfilter.org.

- The U.S. Drought Monitor is released every Thursday and shows the parts of the United States that are in drought. Decision-makers can use this map to trigger drought responses, such as water restrictions. For more information, visit droughtmonitor.unl.edu.
- Arizona Water Blueprint: <https://azwaterblueprint.asu.edu/>
- ASU Colorado River Visualization Enterprise: <https://morrisoninstitute.asu.edu/asu-curve-project>

Water Tracking Tools for Benchmarking and Evaluation

- [Energy Star Portfolio Manager](#) is a free online tool for tracking and benchmarking building water and energy use, as well as waste, material, and greenhouse gas data over time.
- EcoLab's [Smart Water Navigator](#) is a publicly available tool that helps businesses understand water-related risks in financial terms to inform responsible growth and generates an actionable step-by-step guide for each facility, tailored by industry, location, and current water performance. This process includes identifying water-related business risks, setting water withdrawal targets, implementing practical projects to advance corporate water targets, and tracking performance over time.
- U.S. Green Building Council's [Indoor Water Use Reduction Calculator](#) and [Outdoor Water Use Reduction Calculator](#) are spreadsheet models that can be used to track water use from plumbing fixtures and irrigation.
- The Federal Energy Management Program developed the [Water Balance Tool](#) to provide a free online method for estimating potable water consumption across multiple end uses at the building and campus levels. The final water balance provided by the tool helps users identify the highest-consuming end uses, assisting with prioritization of water-saving opportunities.
- The [WaterSense Water Budget Tool](#) can be used to ensure a measure of efficiency and regional suitability for the amount of water applied to a landscape based on local climate data.