

Water Resources Sustainability (CE 6XX)

Introduction: water sustainability, water sustainability: examples of past civilizations and the present, water resources sustainability: an ecological and economics perspective, water budget and watershed modeling sustainability in India: linking climate, water management and growth, optimization modeling for consumptive use of water, multiobjective analysis of water sustainability, uncertainty and risks in water management options, water sustainability: potential impacts of climate change, water supply security, case studies related to water sustainability in rural, urban, and industrial areas

References

1. Cech, T., V. (2003). Principles of water resources: History, Development, Management, and Policy, Wiley: NY
2. Shimelis Gebriye et al. (2015) Sustainability of Integrated Water Resources Management: Water Governance, Climate and Ecohydrology, Springer Publication
3. Larry Mays (2001) Water Resources Engineering, Wiley:NY
4. Larry Mays (2007) Water Resources Sustainability, Wiley: NY