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Resilience-based performance metrics for water resources management under uncertainty

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## Highlights

- New metrics for assessing resilience of long-term water supply/demand balance under uncertainty are proposed addressing different aspects of water deficits including duration, magnitude, frequency and volume of these events.
- Metrics are tested, validated and demonstrated on a real Bristol Water supply system.
- The key finding is that, unlike in current practice so far, multiple metrics covering different aspects of resilience should be used simultaneously for water resources management under uncertainty.

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