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Water-integrated scheduling of batch process plants: Modelling approach and application in technology selection

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**Highlights**

- Computationally efficient model to schedule and plan water reuse in batch plants.
- Generic water classification scheme allows inclusion of practical considerations.
- Tradeoffs between production and water efficiency aids in better decision making.
- Water reuse strategies can be better assessed using production – water tradeoffs.
- Treatment units with higher capacity do not always lead to higher water efficiency.

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