



Figure 1: Current Thermoelectric Water Use & Illustrative Data Water Metrics (as of 7/2015).

Additionally, the IECM offers several power plant configurations that may work within a more constrained water and CO₂ environment.

Conclusions

Developing a Water Atlas for the Eastern United States compliments previous work completed for the Western United States. Having this information will only serve to inform and leverage other, existing planning and process models such as IECM to identify the impact of constraints on water for cooling and CO₂ management scenarios throughout the United States as demand and the types of power supply change to include less coal and more natural gas.

References

Tidwell, V., Kobos, P.H., Zhai, H. and E. Rubin, 2015, “Exploring Energy-Water Issues in the United States,” Poster presentation at the DOE Crosscutting Technology Research Program Review, Pittsburgh, PA, April 27-30.

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