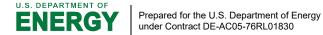# Flow Forecasting on New England's Great River Hydro (Abstract)

CRADA 549 (PNNL 79238)

November 2022

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Flow Forecasting on New England's Great River Hydro (Abstract)

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November 2022

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Abstract

Great River Hydro (GRH) operates 13 generating stations and 3 storage-only reservoirs along the Upper Connecticut River, draining 6,266 square miles. Managing the reservoirs requires coordination over a couple days. So far seasonal flow-forecast and medium range probabilistic flow forecast during high flow conditions are leading to satisfactory management. Great River Hydro is seeking technical assistance to evaluate potential improvements in inflow forecasting and scheduling accuracy, particularly during short- to medium- duration periods (1-10 days). Improved accuracy is anticipated to enhance the efficiency with which GRH utilizes water, improving GRH's ability to hit the best priced hours throughout the system and enhancing revenues as a result.

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