

Implementation of the Community Hydrologic Prediction System at the Northeast River Forecast Center

By

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The Northeast River Forecast Center (NERFC) is one of thirteen national river forecast centers (RFC) which provide water resource forecast services, built upon the National Weather Service River Forecast System (NWSRFS). NWSRFS has been utilized for nearly three decades, but as demands increase for new and more complex water resource services, NWSRFS will be unable to meet these new requirements. As a result, NERFC along with three other RFCs, are leading the implementation of the Community Hydrologic Prediction System (CHPS) which will replace NWSRFS during the next two years. CHPS provides a modern service oriented architecture, which allows for a more modular software infrastructure. This design should permit easier introduction of new science into the forecasting system. This presentation will discuss the implementation of CHPS at NERFC, the national implementation plan for all thirteen River Forecast Centers, and will address opportunities which will exist for collaboration with our partners once CHPS is fully implemented.