

Planned Changes to the Winter Suite of the National Blend of Models

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Version 5 of the National Blend of Models (NBM) is scheduled for implementation in the spring of 2026. This will be the final major upgrade to the NBM prior to the development and eventual launch of the Next-Generation MDL post-processing system, and it presents an opportunity to upgrade the science of the system and add new products to support Probabilistic IDSS.

This presentation will focus on planned changes in NBMv5.0 to improve the winter suite of the NBM. Changes include new winter products, usage of Canadian model inputs, a switch to using higher resolution ECMWF data, the reintroduction of supplemental stations for quantile mapping of QPF, and work to make deterministic and probabilistic NBM output more consistent. These changes will be summarized, examples will be shown, and a quick look at future plans will be provided.