

nGEM Enhanced Combined Cycle (ECC) model Implementation Timeline

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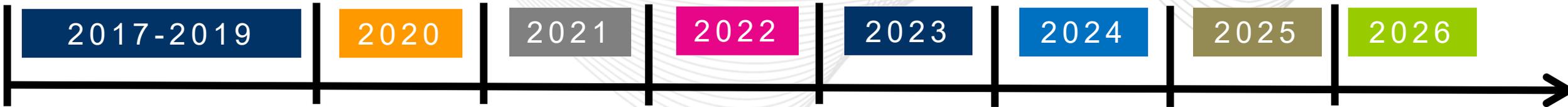
Combined Cycle Modeling Education Workshop

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- nGEM products go through 2 development phases:
 - Product Development – Core product that is common across PJM, MISO, and ISO NE
 - Product Implementation – Customization of the product to comply with PJM market rules
- The Enhanced Combined Cycle model is dependent on completion of Product Development, Product Implementation and Production Go Live of both the nGEM Day-Ahead and Real-Time Market Clearing Engines.



Enhanced Combined Cycle Schedule



DA and RT MCE Product Development

Product implementation for Day-Ahead Market Clearing Engine

DA MCE Parallel Production

ECC Product Development

Product implementation for RT Market Clearing Engine

RT MCE Parallel Production

Product Implementation for ECC integrated into DA and RT MCEs

ECC Go Live