

Applicants' Witness Robert Davis

Senior Director
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Summary

Applicants' Exhibit 47

Overview

- Recently-completed system-level resource expansion analysis shows that CMMPA needs resource additions
- Net energy load and peak demands forecast shows annual increase of 1.5% over next 20 years
- Analysis also showed first capacity additions needed by 2008
- Reserve Margins for CMMPA members fall below 10% in 2011 without Big Stone Unit II

Resource Plan

- CMMPA's resource expansion analysis also considered renewable energy and DSM in choosing the preferred resource mix
- The analysis produced a least-cost plan of:
 - 30 MW of Big Stone Unit II in 2011
 - 10 MW of Wind in 2011
 - Additional Base Load in 2019
 - Additional DSM beyond continuing to meet Minnesota Conservation Improvement Program (CIP) requirement of 1.5% of retail revenues was found to be not cost-effective.
- CMMPA is pursuing **DSM and renewables and Big Stone Unit II**