



PROMOD Benchmarking



Introduction

- Work in progress at ATC
- Review what others have done
- Determine most appropriate method to use for our situation



Methods

- Two methods
 - High level review of future model year
 - Backcast



Methods

- High level review
 - Verify plants are running as expected
 - Capacity factors
 - Time of year
 - Expected marginal unit
 - Verify line flows are as expected



MISO WI Study

High level review of MISO WI study

	2002 *	2004 **	Difference
GWH	67,872	70,052	3.2%
\$\$ (000's)	1,628,928	1,681,258	3.2%

* 2003 WI Energy Statistics

- Table: Wisconsin Electric Utility Power Generation, by Type of Plant, 1970-2002
- Table: Wisconsin Electric Utility Total Costs of Power Generation, by Type of Plant and Cost of Purchase Power, 1970-2002

** MISO – WI B/C Study (March 2004)

- Table 5 for dollars. GWH calculated using WI 2002 average cents per Kwh



Methods

- Backcast
 - Attempt to compare a particular Promod dispatch with an actual dispatch
 - Difficult over an entire year
 - Much more time intensive
 - If this method is chosen, need to more fully scope out the project

