



**Western Area Power Administration
Upper Great Plains Region (UGPR)**

Load Forecast Assumptions

Underlying Load Forecast Assumptions for all ATC Calculations

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The Integrated System (IS) that is the transmission system owned by Western, Basin Electric Power Cooperative (BEPC) and Heartland Consumer Power District (HCPD) and is operated as one joint transmission system.

The JMP (Joint Marketing Program) is a contractual arrangement between Western, Basin Electric Power Cooperative (BEPC), Heartland Consumer Power District (HCPD) and Northwestern Public Service Co (NWPS) whereby the marketing of these entities is performed as one Market entity.

UGPR JMP Actual and Forecast use of the IS is based on:

The JMP actual use of the Integrated System (IS) is an after-the-fact calculation of the JMP use. This calculation is based on the actual load values of the individual JMP members.

The JMP forecast use of the IS is based on a load forecast supplied by a vendor via the use of a load forecasting program using an algorithm developed by Western and the vendor that is based on weather forecasts, historical load data and similar data/temperature days.

UGPR's Total Actual and Forecast Network use of the IS is based on:

The total actual network use of the IS is the sum of the JMP actual calculated use plus the hourly load forecasts submitted by the other Load Serving Entities (LSEs) to Western Generation Control (WGC) Operator, for their loads served via Network service on the Western Integrated System (IS).

The LSE forecast use of the IS is performed by an in house program using weather data and historical load data. This value represents the total use of the IS by all entities using network service on the IS.