

Transmission – Transporting Energy by Wire

Matthew Stoltz – Manager Transmission Services | Basin Electric Power Cooperative

Electrical energy _____ be stored in large amounts.

Major sources of electric generation are:

- _____
- _____
- _____
- _____

Electrical load _____ during the day by hour, and also seasonally as well. Therefore, in real time _____ sources of generation are blended into the grid to service the load.

_____ are set up to help schedule generation most economically.

Electricity follows the path of _____. This makes it difficult to route along a specific path and can result in transmission limitations.

Electricity transmission capacity and efficiency _____ with higher operative voltage. Electricity is most useful for the consumer at a _____ voltage. Bulk electric transmission uses as _____ of a voltage as possible. _____ allows easy conversion of voltage with transformers.

Transmission operators must respect the _____ standards. Loss of any single network transmission facility should not result in loss of customer load.

Notes:
