

## Transmission - Transporting Energy by Wire

### Unit 3: Energy Production and Transmission

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.

