

Classic Line Losses

- Wire Resistance
 - All wires convert some electricity to heat
 - Resistance depends on material, current, voltage and other factors
- Transformer losses
 - Changing voltage results in some loss of electricity
- Stray voltage
 - Unintentional tie in to distribution system

Non Classic Line Losses

- Inaccurate meters
- Responsible party for usage unknown
- Unauthorized use
 - Unintentional
 - Intentional – theft
- Differences from estimated usage for street lighting and utility use