“Innovations and Implementation of Green Technologies : Operator’s prospective”

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Why Green….





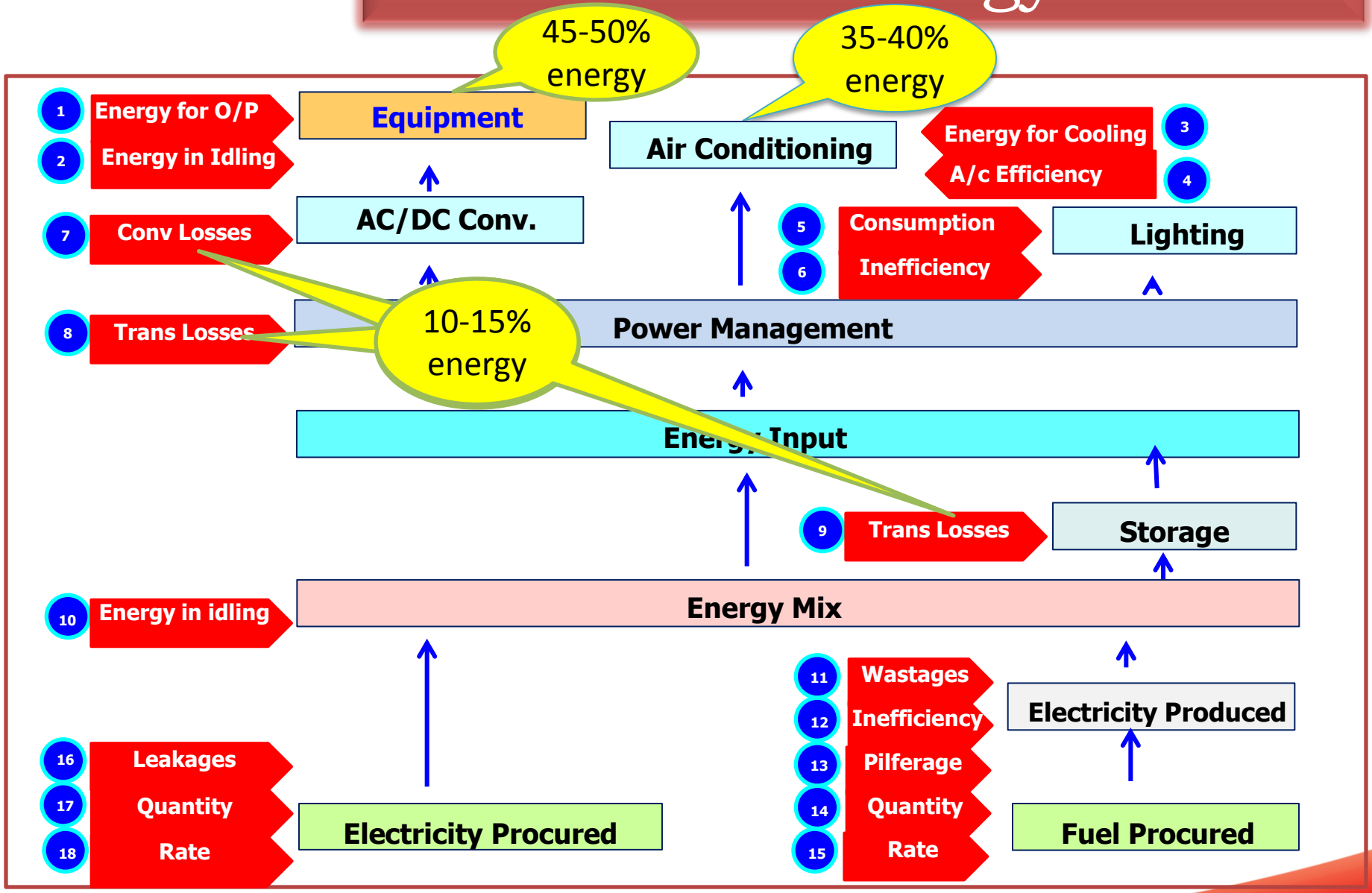


- Reduced carbon foot print – Need of the Hour
- High FOREX for importing oil

- High operating cost in Rural India due to poor availability of grid power

- Rural telecom network with long term sustainable solution

Telecom Energy Tree.....



Initiatives pioneered at airtel…



Green Shelter



Power management unit with high efficiency



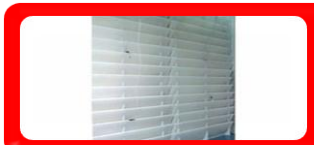
Filter-less air-conditioners



Site automation



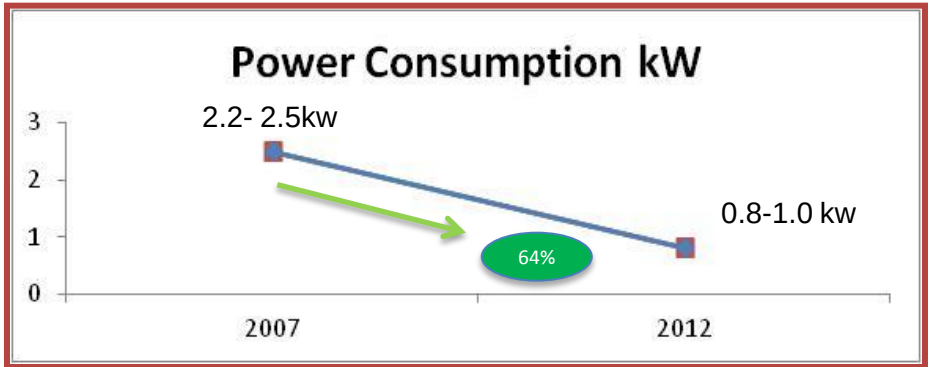
Free cooling unit



Phase change material

Initiative @ operator – enabling green

- BTS power consumption
- Air-conditioning abatement
- Infra sharing
- Tower consolidation
- Auto Trx Shutdown





years.

Presently focus is to build max. sites as sharer from day one.

Tower consolidation is a initiative taken by OpCo's and ToCo's to remove cluster of towers at one location. This has enable the sharing of existing infrastructure with reduced CO2 emissions.

Auto trx shutdown is a initiative taken by the airtel to reduce the power consumption of the BTS during lean traffic hours.

…Policy enablers

- Additional spectrum
- Spectrum sharing
- Grid availability development in rural areas
- Increase availability of grid power supply to telecom towers

Green telecom is the Necessity with plenty of opportunity

Lets act together to achieve Green telecom !!

