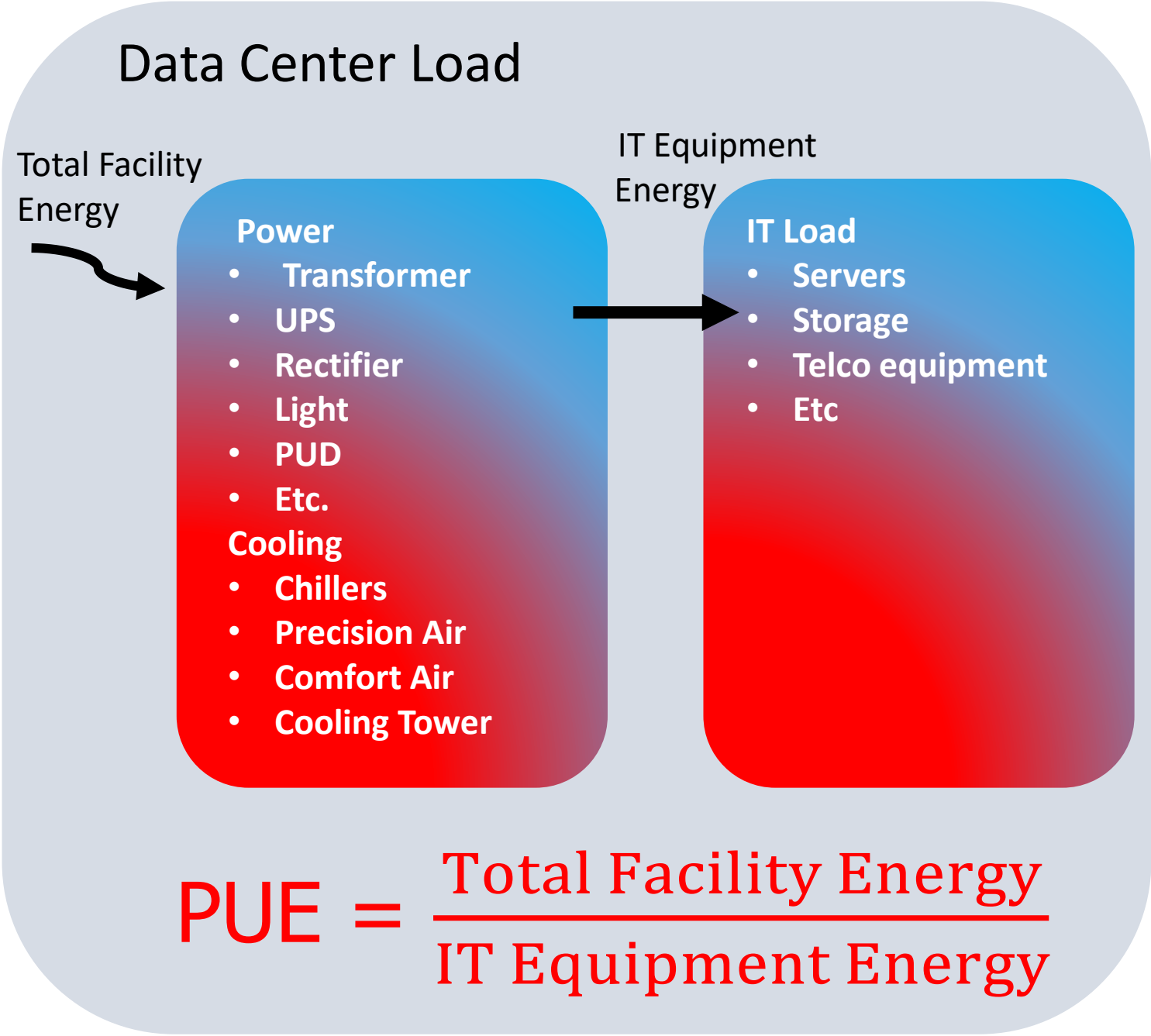
POWER USAGE EFFECTIVENESS

True Group



POWER USAGE EFFECTIVENESS 2022

TRUE GROUP-2022				
In UPS (kWh)	**% Loss**	**Out UPS (kWh)**	**Non UPS (kWh)**	**Total PUE**
36,479,497	6%	34,266,236	21,229,865	1.684

$$PUE = \frac{\text{Total Facility Energy}}{\text{IT Equipment Energy}}$$

$$\frac{36{,}479{,}497\text{kWh} + 21{,}229{,}865\ \text{kWh}}{34{,}266{,}236\ \text{kWh}} = 1.684$$

POWER USAGE EFFECTIVENESS PERFORMANCE

Year	2018	2019	2020	2021	2022
PUE Target	1.800			1.700	
Average PUE	1.799	1.771	1.732	1.688	1.684
Coverage (% of total ICT population)	100	100	100	100	100

RENEWABLE ENERGY 2022

TRUE GROUP - 2022		
Data Center Energy Usage (MWh.)	Electricity Generated from Solar Cells (MWh.)	% of Renewable Energy (of total energy)
70,745.73	12,470.40	17.63

$$\%\ \text{of Renewable Energy (of total energy)} = \frac{\text{Electricity Generated from Solar Cells}}{\text{Data Center Energy Used}} \times 100$$

$$\frac{12{,}470.40\ \text{MWh}}{70{,}745.73\ \text{MWh}} \times 100 = 17.63\ \%$$

RENEWABLE ENERGY PERFORMANCE

Year	2018	2019	2020	2021	2022
Renewable Energy Target (Percentage of renewable energy of total energy)	1.00	1.00	10.00	15.50	17.00
Total energy used in data centers (MWh)	9,719	33,496	36,847	50,751	70,745
Percentage of renewable energy (of total energy)	0.31	1.67	15.26	16.38	17.63