Power Utilization Effectiveness (PUE)

SCA11-1500 Data Center Efficiency Benchmark

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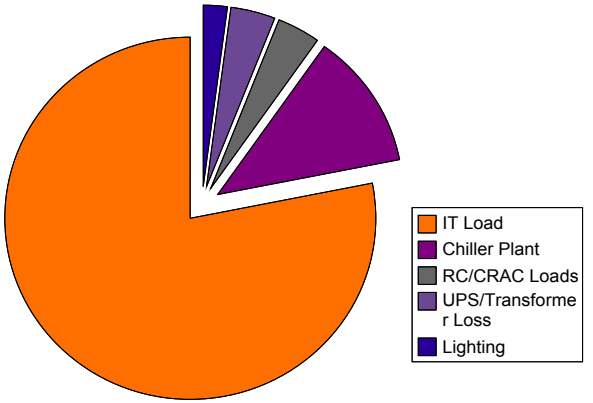
- 573 kW less support power compared to industry PUE target (2)*
- 36% More efficient than the industry PUE target and almost 50% better that industry PUE average (2.5)*
- $400,000 Annual opex savings compared to typical data center ($0.08/kWh)

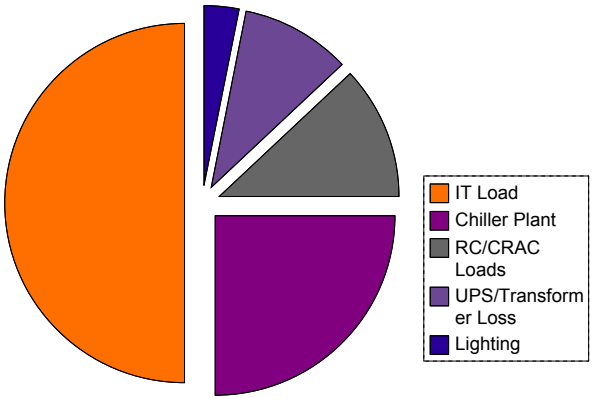
SCA11-1500 Software Datacenter PUE		
Load	**kW**	**% of Total Load**
IT Load	798	78.02%
Chiller Plant	126	12.28%
RC/CRAC Loads	39	3.84%
UPS/Transformer Loss	39	3.86%
Lighting	20	2.00%
Total Load	1023	
Total Support Loads	225	
PUE	**1.28**	
DciE	**78%**	

SCA11-1500 Power Use



Target Datacenter PUE		
Load	**kW**	**% of Total Load***
IT Load	798	50.00%
Chiller Plant	399	25.00%
RC/CRAC Loads	192	12.00%
UPS/Transformer Loss	160	10.00%
Lighting	48	3.00%
Total Load	1596	
Total Support Loads	798	
PUE	**2.00**	
DciE	**50%**	

Typical Data Center



* Industry average & target from uptime institute: http://www.datacenterknowledge.com/archives/2008/Jan/22/case_study_ups_green_data_center.html