

Performance

NORTH AMERICA

Performance Example

Typical operational data for a 1MW data hall. Based on 75°f supply air temp, 95°f return air temp, 75% average annualized demand and N+1 resilience

Location	Energy Priority Mode pPUE	Water Priority Mode pPUE
Atlanta	1.062	1.081
Chicago	1.048	1.059
Dallas	1.074	1.105
San Jose	1.043	1.058
Ashburn	1.057	1.071

Location	Energy Priority Mode WUE I/kWh	Water Priority Mode WUE I/kWh
Atlanta	0.270	0.067
Chicago	0.160	0.054
Dallas	0.330	0.186
San Jose	0.260	0.053
Ashburn	0.190	0.084

Performance Example

Typical operational data for a 1MW data hall. Based on 75°F supply air temp, 95°F return air temp, 75% average annualised demand and N+1 resilience

Adiabatic sprays in operation before mechanical cooling	Location	Energy Consumption kw/hrs	Water Consumption US Gallons	pPUE	WUE l/kWh
	Atlanta	420,316	339,240	1.064	0.2
	Chicago	316,386	272,448	1.048	0.16
	Dallas	489,233	571,560	1.074	0.33
	San Jose	285,276	455,928	1.043	0.26
	Ashburn	373,145	321,024	1.057	0.19

Water Saving Mode. Mechanical cooling in operation before adiabatic sprays.	Location	Energy Consumption kw/hrs	Water Consumption US Gallons	pPUE	WUE l/kWh
	Atlanta	519,720	145,200	1.079	0.084
	Chicago	387,502	93,456	1.059	0.054
	Dallas	689,226	322,080	1.105	0.186
	San Jose	383,382	91,872	1.058	0.053
	Ashburn	469,136	145,464	1.071	0.084

UK & EUROPE

Performance Example

Typical operational data for a 1MW data hall. Based on 24°C supply air temp, 36°C return air temp, 75% average annualized demand and N+1 resilience

Location	Energy Priority Mode pPUE	Water Priority Mode pPUE
London	1.054	1.070
Frankfurt	1.055	1.071
Oslo	1.046	1.055
Dublin	1.048	1.060
Amsterdam	1.053	1.066

Location	Energy Priority Mode WUE l/kWh	Water Priority Mode WUE l/kWh
London	0.235	0
Frankfurt	0.267	0
Oslo	0.150	0
Dublin	0.104	0
Amsterdam	0.148	0

Performance Example

Typical operational data for a 1MW data hall. Based on 24°C supply air temp, 36°C return air temp, 75% average annualized demand and N+1 resilience

Adiabatic sprays in operation before mechanical cooling	Location	Energy Consumption kW/hrs	Water Consumption m ³	pPUE	WUE l/kWh
	London	352492	1544	1.054	0.235
	Frankfurt	358252	1755	1.055	0.267
	Oslo	302897	983	1.046	0.150
	Dublin	317616	684	1.048	0.104
	Amsterdam	349103	969	1.053	0.148

Water Saving Mode. Mechanical cooling in operation before adiabatic sprays.	Location	Energy Consumption kW/hrs	Water Consumption m ³	pPUE	WUE l/kWh
	London	457920	0	1.070	0.000
	Frankfurt	468883	0	1.071	0.000
	Oslo	363940	0	1.055	0.000
	Dublin	394904	0	1.060	0.000
	Amsterdam	433257	0	1.066	0.000