

WEST END CENTER — PHASED RETROFIT CAPACITY

CAPACITIES ARE CUMULATIVE

Black Mountain Data Centers · Winston-Salem, NC · Tier III, 2N, concurrently maintainable · 461,000 SF

	EXISTING In place today · baseline	PHASE I RFS March 31, 2027 Air cooled · existing plant	PHASE II RFS September 30, 2027 65°F water, in-row cooling	PHASE III RFS April 30, 2028 * 65°F water, in-row cooling
UTILITY POWER Total service, kW	20,641 kW 5 feeds · Winston 2,125 Buxton P / B 5,508 ea Hinshaw P / B 3,750 ea	20,641 kW No change — no utility scope Existing five feeds carry Phase I	23,216 kW +2,575 kW new Winston feed Sixth feed · Winston reaches 4,700 kW	37,216 kW +14,000 kW new Buxton feed Seventh feed · Buxton reaches 25,016 kW Duke letter agreement · service Apr 30, 2028
BACKUP GENERATION Diesel Generators, N	15,600 kW 9 existing units On-site fuel storage	15,600 kW Keep existing fleet — no generator scope	27,600 kW +12,000 kW · 4 new 3 MW units Paralleling gear + 4th-unit augment	39,600 kW +12,000 kW · 4 new 3 MW units Additional paralleling gear
UPS Capacity supporting IT, kW and switchgear scope	2,700 kW UPS #1 + #2 6 × 750 kVA / 675 kW Existing switchgear	4,050 kW +1,350 kW · new UPS #3 3 × 750 kW + 3-string BESS Transfer roof PMH9 and MSDA to alternate feed	9,250 kW +5,200 kW · new UPS #4 – #8 #4: 3 × 750 kW · #5–8: 4 × 1,250 kW New 4,000A distribution board for UPS #4	19,000 kW +9,750 kW · 9 new UPS 9 × 1,250 kW + 5-string BESS New switchgear
COOLING Chiller capacity, N+1 net of comfort load ■ air, via CRAH ■ liquid, 65°F in-row	AIR COOLED 2,491 tons N+1 8,760 kW of IT cooling Air 2,491 t · 8,760 kW Liquid none 10 chillers, 3,570 t installed N+1 2,891 t less 400 t comfort	AIR COOLED 2,491 tons N+1 8,760 kW of IT cooling available Air 2,491 t · 8,760 kW Liquid none — no in-row cooling yet Keep existing chillers and CRAHs — no mechanical scope this phase	AIR + 65°F LIQUID 4,128 tons N+1 +1,637 14,517 kW of IT cooling available Air 2,491 t · 8,760 kW Liquid 1,637 t · 5,756 kW +4 Trane Ascend @ 545.6 t · 4 total, N+1 = 3 New redundant 12" chilled water loops	AIR + 65°F LIQUID 6,856 tons N+1 +2,728 24,111 kW of IT cooling available Air 2,491 t · 8,760 kW Liquid 4,365 t · 15,350 kW +5 Trane Ascend @ 545.6 t · 9 total, N+1 = 8 Additional chilled water loops as needed
IT LOAD Total supported IT, kW and UPS redundancy	2,700 kW 3N/2 redundancy	4,050 kW +1,350 kW · 3N/2 redundancy	9,250 kW +5,200 kW · 4N/3 redundancy	22,000 kW +12,750 kW · 4N/3 redundancy

Note: all phase dates shown are planning estimates and are subject to change.

* Phase III long-lead procurement orders are not placed.