

Table A4-12. Projected Average Volume Server UEC (in kWh/year) by Space Type, Alternative Scenarios, 2007 to 2011

Improved operation scenario					
Volume servers in:	2007	2008	2009	2010	2011
Server closets	1,505	1,580	1,643	1,673	1,689
Server rooms	1,512	1,586	1,646	1,677	1,693
Localized data centers	1,512	1,586	1,646	1,677	1,693
Mid-tier data centers	1,512	1,586	1,646	1,677	1,693
Enterprise-class data centers	1,512	1,586	1,646	1,677	1,693
Best practice scenario					
Volume servers in:	2007	2008	2009	2010	2011
Server closets	1,456	1,439	1,386	1,296	1,326
Server rooms	1,465	1,472	1,427	1,334	1,371
Localized data centers	1,465	1,471	1,426	1,334	1,371
Mid-tier data centers	1,465	1,471	1,426	1,334	1,371
Enterprise-class data centers	1,465	1,471	1,426	1,334	1,371
State-of-the-art scenario					
Volume servers in:	2007	2008	2009	2010	2011
Server closets	1,485	1,471	1,424	1,315	1,349
Server rooms	1,495	1,573	1,586	1,424	1,485
Localized data centers	1,495	1,572	1,585	1,424	1,485
Mid-tier data centers	1,495	1,572	1,585	1,424	1,485
Enterprise-class data centers	1,495	1,572	1,585	1,424	1,485

Table A4-13 summarizes the projections for the average UEC of mid-range and high-end servers in all three scenarios. The average UEC values for mid-range servers are based on the assumption of 100% power management utilization in all three scenarios as indicated in Table 3-5.

Table A4-13. Projected Average UEC (in kWh/year) for Mid-range and High-end Servers, Alternative Scenarios, 2007 to 2011

All alternative scenarios					
Server class	2007	2008	2009	2010	2011
Mid-range	4,921	5,467	6,152	6,649	7,185
High-end	76,295	81,624	86,849	92,662	98,864