ENERGY STAR Final Draft Computer Specification Low Power Mode and WOL Requirements

	Standby (Off Mode)			Sleep Mode		
	Base Level	Level w/ WOL[1]	WOL Requirement	Base Level	Level w/ WOL[1]	WOL Requirement[2]
Desktops, Integrated Computers and Gaming Consoles	≤ 2.0 W	≤ 2.7 W	WOL Optional	≤ 4.0 W	≤ 4.7 W	WOL Required for sales through enterprise channels[3]
Desktop-Derived Servers	≤ 2.0 W	≤ 2.7 W	WOL Optional	N/A[4]	N/A[4]	N/A[4]
Notebooks and Tablets	≤ 1.0 W	≤ 1.7 W	WOL Optional	≤ 1.7 W	≤ 2.4 W	WOL Required for sales through enterprise channels[3,5]
Workstations	Included in TEC[6] Calculation	N/A	WOL Optional	Included in TEC[6] Calculation	N/A	WOL Required for sales through enterprise channels[3]

Notes:
1. Both Sleep and Standby are given a +0.7 W adder for Wake On LAN (WOL) capability enabled shipment.
2. Note that systems capable of maintaining full network conductivity during Sleep are exempt from WOL requirements.
3. Models sold both through enterprise channels and directly to consumers must test and report both with WOL enabled and disabled.
4. Desktop-Derived Servers are exempt from all Sleep mode requirements.
5. Notebooks may automatically disable WOL when operating on their portable power source, but must have WOL enabled when operating on ac power from the mains.
6. Typical Energy Consumption (TEC) Calculation –

$$P_{TEC} = 0.1 * P_{Standby} + 0.2 * P_{Sleep} + 0.7 * P_{Idle}$$

($P_{Standby}$ is the power measured in Standby, P_{Sleep} is the power measured in Sleep and in P_{Idle} is the power measured in Idle).