



STATE OF CALIFORNIA
ENVIRONMENTAL SPECIFICATIONS FOR
PC GOODS

The EPP technical specifications shown below were extracted from the solicitation, IFB 1204-007.

Requirement types: Mandatory (M), Mandatory Scored (MS), Non-Mandatory (NM), Non-Mandatory Scored (NMS).

6.8 Environmentally Preferable Purchasing Requirements

Section	Requirement Description	Type
6.8.1	California RoHS Compliance Electronic devices offered to the State under this contract shall comply with California's Restriction on the use of certain Hazardous Substances (RoHS) law. This law applies to anyone who sells, or offers for sale, "covered electronic devices" or "CED." CED categories include laptop computers with liquid crystal display (LCD) and LCD containing desktop monitors. (Refer to California RoHS Law Health and Safety Code, Section 25214.9-25214.10.2 and California Code of Regulations, Title 22, Section 66260.202.)	M
6.8.2	Flame Retardants A product, or a flame-retarded part of a product, containing more than one-tenth of 1 percent of pentabrominated diphenyl ether (pentaBDE) or octabrominated diphenyl ether (octaBDE) cannot be manufactured, processed, or distributed in commerce (Health and Safety Code, Section 108922).	M
6.8.3	Electronic Product Environmental Assessment Tool (EPEAT Silver) Requirements The minimum requirement for products offered under this contract is EPEAT Silver. This requirement applies to every configuration within all categories except for the Monitor Category. The 30 inch monitors and the 21 inch Touchscreen monitors are excluded from this EPEAT requirement. Products not meeting the minimum requirement of EPEAT Silver will be non-compliant. The product's EPEAT level must be verified via the EPEAT database of certified products (http://www.epeat.net/). Energy Star is a requirement of EPEAT. Products should be listed on the Energy Star database, and if they are not, bidder(s) shall submit documentation to support claim for Energy Star compliance. Products indicated by bidder(s) as listed in the Energy Star database will also be verified via the Energy Star database. (www.energystar.com) Verification will be based on database entries posted on the day Final bids are due. On Exhibit 11.30A-D, Common Configurations, for each configuration offered, bidders must provide the EPEAT certification level and the registration date for certification.	M

Section	Requirement Description	Type
6.8.4	<p>Electronic Product Environmental Assessment Tool (EPEAT Gold) Non-Mandatory</p> <p>The State prefers products that have achieved the EPEAT Gold level. Therefore, points will be awarded for products that surpass the EPEAT Silver baseline and are certified as EPEAT Gold. Points will only be awarded if the product's EPEAT level can be verified via the EPEAT database of certified products (http://www.epeat.net/). Verification will be based on database entries posted on the day Final bids are due. For each configuration offered, bidders must provide the EPEAT certification level and the registration date for certification in Exhibit 11.30 A-D, Common Configurations.</p>	NMS
6.8.5	<p>Typical Energy Consumption (TEC) Reduction</p> <p>The Technical Configuration Requirements identify maximum TECs allowed for each category configurations. The TECs are the expected yearly energy usage of each category configuration (kWh/yr). These TECs will be used in Section 9.3.10.3 to calculate the total energy usage for each category configuration based on a 4-year equipment life.</p> <p>The TEC limits were derived based on the following:</p> <ol style="list-style-type: none"> 1. If the category configuration existed on the prior contract, the TEC limit was derived based on the TEC of the model number currently on contract minus 10%. 2. If the category configuration did not exist on the prior contract, the TEC limit was derived based on the Energy Star maximum allowed TEC minus 10%. This requirement does not apply to the 30 inch monitor, however, TEC information is still required to be submitted in 11.30A-D for as well as in Exhibit 11.35A-D for cost evaluation. 	M

Section	Requirement Description	Type
6.8.6	<p>TEC Score</p> <p>TEC values shall be provided as follows:</p> <p><u>Desktops (except for Workstation), Laptops, All-in-One, Semi-Rugged, and Rugged Laptops</u></p> <ul style="list-style-type: none"> <p><u>Listed in the Energy Star database</u> Bidder(s) shall provide the TEC values as reported in the Energy Star database for “Qualified Desktops and Integrated Computers”. See link below.</p> <p>http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_code=CO</p> <p><u>Not Listed in the Energy Star database</u> Bidder(s) shall submit calculated TEC values with supporting documentation for power values (off, sleep, idle) used for the TEC calculations. Power values shall be in watts. TEC values shall be calculated as follows:</p> $TEC = [(P_{Off} \times T_{Off}) + (P_{Sleep} \times T_{Sleep}) + (P_{Idle} \times T_{Idle})] \times 24 \text{ hr/day} \times 365 \text{ day/yr} \div 1000 \text{ w/kw}$ <p>Desktops, All-in-One: $T_{Off} = 55\%$ $T_{Sleep} = 5\%$ $T_{Idle} = 40\%$</p> <p>Laptops, Rugged, Semi-Rugged: $T_{Off} = 60\%$ $T_{Sleep} = 10\%$ $T_{Idle} = 30\%$</p> <p><u>Workstations</u></p> <ul style="list-style-type: none"> <p>Listed in the Energy Star database under “Qualified Workstation Computers” Bidder(s) shall provide the TEC value calculated using the P_{TEC} value reported in the Energy Star database for “Qualified Workstation Computers” (see link below) and the following equation:</p> $TEC = P_{TEC} \times 24 \text{ hr/day} \times 365 \text{ day/yr} \div 1000 \text{ w/kw}$ <p>http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_code=CO</p> <p>Not listed in the Energy Star database under “Qualified Workstation Computers” Bidder(s) shall submit calculated TEC values with supporting documentation for power values (off, sleep, idle) used for the TEC calculations. Power values shall be in watts. TEC values shall be calculated as follow:</p> 	M

Section	Requirement Description	Type
	<p>TEC = [(P_{Off} x T_{Off}) + (P_{Sleep} x T_{Sleep}) + (P_{Idle} x T_{Idle})] x 24 hr/day x 365 day/yr ÷ 1000 w/kw</p> <p>T_{Off} = 35% T_{Sleep} = 10% T_{Idle} = 55%</p> <p><u>Thin Clients</u></p> <ul style="list-style-type: none"> • <u>Listed in the Energy Star database</u> Bidder(s) shall provide calculated TEC values using the reported power values (off, sleep, idle) in the Energy Star database for “Qualified Thin Clients”. See link below. http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_code=CO • <u>Not Listed in the Energy Star database</u> Bidder(s) shall submit calculated TEC values with supporting documentation for power values (off, sleep, idle) used for the TEC calculations. Power values shall be in watts. TEC values shall be calculated as follows: TEC = [(P_{Off} x T_{Off}) + (P_{Sleep} x T_{Sleep}) + (P_{Idle} x T_{Idle})] x 24 hr/day x 365 day/yr ÷ 1000 w/kw T_{Off} = 55% T_{Sleep} = 5% T_{Idle} = 40% <p><u>Monitors</u></p> <ul style="list-style-type: none"> • <u>Listed in the Energy Star database</u> Bidder(s) shall provide calculated TEC values using the reported power values (off, sleep, on) in the Energy Star database for “Qualified Displays”. See link below. http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_code=MO • <u>Not Listed in the Energy Star database.</u> Bidder(s) shall submit calculated TEC values with supporting documentation for power values (off, sleep, on) used for the TEC calculations. Power values shall be in watts. TEC values shall be calculated as follows: TEC = [(P_{Off} x T_{Off}) + (P_{Sleep} x T_{Sleep}) + (P_{on} x T_{on})] x 24 hr/day x 365 day/yr ÷ 1000 w/kw T_{Off} = 55% T_{Sleep} = 5% T_{on} = 40% 	

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	<p><i>Example: Monitor 22 Inches</i></p> <p>$P_{Off} = 0.31 \text{ watt}$ $P_{On} = 20.00 \text{ watt}$ $P_{Sleep} = 0.37 \text{ watt}$</p> <p>$TEC = [(0.31w \times 0.55) + (20w \times 0.40) + (0.37w \times 0.05)] \times 24 \text{ hr/day} \times 365 \text{ day/yr}$ $\div 1000 \text{ w/kw} = 71.74 \text{ kWh/yr}$</p>	
<p>6.8.7</p>	<p>Post Consumer Recycled Content Certification</p> <p>State departments are required to report purchases made within 11 product categories in the California Department of Resources Recycling and Recovery's (CalRecycle), formerly the California Integrated Waste Management Board, State Agency Buy Recycled Campaign (SABRC) per Public Contract Code (PCC) Sections 12200-12217. In order to comply with those requirements, the Contractor(s) will be required to certify, in writing, the minimum percentage, if not the exact percentage, of post consumer recycled content material (PCRC) in each of the products and associated shipping/packaging materials offered as part of this solicitation.</p> <p>Exhibit 11.20, Post Consumer Recycled Content (PCRC) Certification Workbook contains the following documents:</p> <ol style="list-style-type: none"> 1) <u>PCRC Percentages Worksheet</u> – Contractor(s) shall complete the PCRC Percentages Worksheet listing the percentage of post consumer recycled content material for each product offered. 2) <u>Letter of Certification</u> – Contractor(s) shall print and sign the Letter of Certification certifying that the minimum percentage, if not exact percentage, listed in the PCRC Percentages Worksheet is accurate. The Letter of Certification shall be furnished under penalty of perjury. The Letter of Certification shall be provided regardless of content, even if the product(s) contain no post consumer recycled material. 3) <u>Reportable Product Categories Table</u> – This table is provided for informational purposes only and identifies the 11 reportable SABRC product categories. <p>Within 30 calendar days from Notice of Intent to award, the Contractor will be required to provide a signed Letter of Certification and the completed PCRC Percentages Worksheet to the State Contract Administrator. The PCRC Percentages Worksheet shall be provided in hard copy and electronic copy (on a CD-ROM in Microsoft Excel format).</p> <p>During the life of the contract, the Contractor(s) will be required to submit revised PCRC Certification Workbook information if percentages are adjusted or if substitute line items are approved by the State Contract Administrator. The amount of PCRC for the products must also be identified in the electronic catalog.</p>	<p>M</p>

6.13 Take Back/Trade-In Program(s)

Section	Requirement Description	Type
<p>6.13.1</p>	<p>Take Back/Trade-In</p> <p>Before any Take Back or Trade-In can occur, State agencies must obtain approval for discarding their IT equipment from the DGS Surplus Property and Reutilization Program. In accordance with the State Administrative Manual (SAM), Chapter 5900, Information Technology-Disposal of IT Equipment, each agency must explore the reutilization of surplus IT equipment prior to requesting approval for recycling or attempting to use the equipment as a credit toward the purchase of new equipment.</p> <p>Bidders shall make available, a Take Back service for <i>similar</i> equipment, including other OEM equipment. This Take Back service is for <u>non-working</u> equipment. It is mandatory that the Bidder offers this Take Back service. However, it is not mandatory that the ordering agency use the service offered. The equipment returned as part of the Take Back service shall be environmentally responsibly managed. To the greatest extent feasible, the equipment is to be refurbished for resale or recycled.</p> <p>Thirty (30) days after the Intent to Award, the Contractor shall provide the following information on the Take Back service to the CA:</p> <ul style="list-style-type: none"> • Name and address of equipment take back company(ies); including transporter company, if different. • General description of what steps take place during the take back process: from pick-up to the refurbishment or recycling of the equipment. Include name and location of involved facilities. • Brochure or website address documenting the Equipment Manufacturer's commitment to recycling or zero landfill disposal. • Instruction on how to use the service (i.e., contact information). <p>The State reserves the right to remove and retain data storage media, including but not limited to any hard disk drive(s) in the equipment, prior to Take Back.</p>	<p>M</p>
<p>6.13.2</p>	<p>Trade-In Program</p> <p>The bidder may offer a Trade-In Program that allows for "credit" towards the purchase of new equipment. It is not mandatory that the bidder offers this program, nor is it mandatory that the ordering agency use this program. Prior to any trade-in, the ordering agency must obtain approval from DGS's Surplus Property and Reutilization Program.</p> <p>Within 30 days after Contract Award, the Contractor shall provide a description of the Trade-In program offered to the State.</p> <ul style="list-style-type: none"> • Name and address of equipment Trade-In company(ies); including transporter company, if different. • General description of what steps take place during the take back process: from pick-up to the refurbishment or recycling of the equipment. Include name and location of involved facilities. • Instruction on how to use the service (i.e., contact information). 	<p>NM NR</p>