



VIEW CHECKLIST: DATA CENTERS

Data Centers typically consume massive amounts of energy relative to the rest of an organization. In managing sustainably, they face a number of challenges. Most data centers are run by talented IT individuals who often are not fully tapped into the organization’s sustainability mission. Moreover, those who are committed to running sustainably are confronted by the difficulty of addressing most of the existing sustainability certifications.

Class-G’s data center checklist was engineered to simplify the process. The checklist was created by a combination of sustainability and data center experts, offering the best ways to maximize sustainability in a data center.

The checklist consists of 165 questions, most crafted in 15 words or less. The categories of questions include: HVAC, Power, Facilities, Operations, Water, Materials, Waste Reduction, plus an additional Bonus section. Examples of some of the HVAC questions follow.

TO MANAGE MORE SUSTAINABLY, WE...

	Yes	No	Wish List	<i>Email question to a colleague</i>
Configured the data center in a Cold Aisle/Hot Aisle layout	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	Email this Question
Networked the data center cooling systems so they operate as a team	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	Email this Question
Have wrapped and/or insulated piping	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	Email this Question
Have sealed roof, walls & holes for all interior surfaces, using a 10 mil thick vapor barrier (CS Only)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	Email this Question
Service HVAC and change filters at least quarterly per calendar year	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	Email this Question
Clean humidifier pan at least monthly (CS Only)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	Email this Question
Ensure server inlet temperature is 68 - 80.6 degrees Fahrenheit (if backup does NOT exist)	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>	Email this Question
Control data center cooling capacity based on server inlet temperatures	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>	Email this Question
Utilize VFDs for fan motors in critical air conditions	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>	Email this Question

For each item, a user selects “Yes” to indicate that the data center is compliant with that item or “No.” Clicking on “Wish List” places that item on a list maintained for the purposes of having that item implemented within a 12-month period. Scores are attributed to each item marked “Yes,” weighted in terms of the sustainability significance or impact of the item.

If you would like a more detailed copy of the Class-G checklist for data centers, please click the link on our website or call us to register.