



The SSC Green Audit

Biotechnology



STRATEGIC
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CONSULTING

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Biotechnology

Did you know?

- Water and the energy needed to heat, purify, store, and distribute it throughout a facility is one of the biggest expenses in the pharmaceutical industry.
- Managing the chemicals, solvents, and materials (including biological specimens) used to research and develop new biotech products can cost up to \$1 for every \$1 of chemical purchased while hazardous waste disposal costs \$2 per pound
- Energy requirements are typically high in biotech labs due to ventilation requirements for work stations and storage areas. Installing low-flow fume hoods and high-efficiency fans, along with other energy conservation measures will reduce energy costs and greenhouse gases from fuel combustion to produce energy.
- Biotechnology products can help mitigate environmental degradation on multiple fronts –may potentially reduce water consumption in textile mills by as much as 30% to 50%, cut toxic sludge waste volumes and paper-bleaching energy requirements by 40% and reduce plastics in the waste stream by up to 80%
- Biodegradable bio-plastics have the potential to reduce plastics in the waste stream by up to 80% while oil consumption used in the manufacturing process would fall by 90 to 145 million barrels per year.

Why go green?

With biotechnology laboratories having such high energy, water and resource demands, reducing your consumption and streamlining your processes can have a real impact on your bottom line. Finding solutions to the environmental challenges associated with handling hazardous materials will diminish the risk your staff and community face. Implementing energy efficiency measures and reducing the waste you generate will also help facilitate regulatory compliance. Throughout your industry, laboratories have made great strides at greening their operations while contributing to the healing of our world. Joining these industry leaders, in a time when private equity funding has become scarce, will help you compete and enable you to continue your important mission.

Why work with SSC?

Whether you have just started to think about sustainability or would like to take your efforts to a new level, *Strategic Sustainability Consulting* can help with all your green initiatives. We have extensive experience helping small and medium sized organizations develop customized sustainability plans in the context of their specific stakeholders and marketplace. Whatever your budget, we will provide you with a workable, cost-saving solution. Using our unique methodology, outlined in the attached SSC Green Audit, we will help identify issues specific to your organization and the people you work with. Step by step, we will show you how to seize competitive advantage through sustainability while you work to develop the next life saving discovery.



The SSC Green Audit

What is an SSC Green Audit?

The SSC Green Audit is a methodology developed by Strategic Sustainability Consulting, specifically designed for organizations that have made a commitment to “going green” but who need help in taking practical steps towards that goal.

Each SSC Green Audit includes the following five components:

The Employee Survey

- We use an online survey to gauge your employee’s attitudes and awareness towards environmental issues at your office. Do they consider themselves eco-conscious? Do they consider the organization to be eco-friendly? What do they think are the top priorities that should be tackled? We’ll help you find out.
- The survey also asks some basic questions about commuting, business travel, and other office practices. This information helps us get a robust picture of your employee-based environmental impacts, and helps inform your organization’s carbon footprint.

The Office/Building Survey

- While employees are taking the survey, you’ll also be collecting information on your office-based environmental impacts, like square footage, utility bills, and IT equipment. This information is added to our carbon footprint data, giving us an accurate picture of your organization’s annual greenhouse gas emissions.
- Don’t have numbers for your electricity, natural gas, and water use? Don’t know how much waste you generate? Don’t worry – we have national averages that can be plugged in when information on your specific impacts are missing.

The Carbon Footprint

- We take information gathered from the Employee Survey and the Office Survey and run it through our carbon footprint calculator. While many different calculators exist that measure carbon emissions, our calculator (co-developed by TheGreenOffice.com) is the only one specifically designed to account for ALL of an organization’s office-based environmental impacts.
- Not only will we tell you the annual tons of carbon emissions that your office emits – we’ll also break it down by key “carbon drivers” so that you know how much of your footprint comes from which type of behavior (e.g. air travel vs. car commuting vs. paper use vs. utilities). That way, you’ll know exactly what “reduce paper use by 20%” means for your environmental impact. One of the most useful things about our carbon footprint is that we’ll not only report your absolute carbon emissions, but we’ll also explain how you stack up against your peers. Compared to others of similar size and in your industry, are you better or worse than the average? This benchmark will give you a good idea of where you’re starting from, and how far you need to go to be considered a leader. Compared to others of similar size and in your industry, are you better or worse than the average? This benchmark will give you a good idea of where you’re starting from, and how far you need to go to be considered a leader.



The SSC Green Audit

The Onsite Visit

Depending on the type of SSC Green Audit that you choose, our certified auditors will spend between one and three days onsite with your organization. During that time you can expect:

- “Understanding Sustainability” Workshop – The first component of the onsite visit is a 90-minute workshop, an opportunity for everyone in your company to hear about the concept of sustainability and why the company is choosing to “green” its operations. It allows employees to voice any concerns or areas of particular enthusiasm, and will provide the Green Auditor with a contextual understanding of your business operations and goals. Specifically, the workshop will cover issues of organizational culture, existing environmental policies/programs, employees’ vision for the future, and challenges to being more sustainable. While everyone in the organization is encouraged to attend, representatives from the following departments MUST be in attendance: operations/management; facilities; purchasing; human resources; and sales/marketing.
- Facility Walk-Through - After the morning meeting, the Green Auditor will spend several hours walking through the operations and speaking 1-on-1 with select personnel to gather additional data needed to inform the carbon footprint calculation and the afternoon recommendations.
- “Results and Recommendations” Presentation – At the conclusion of the onsite visit, your organization will spend another hour together with the Green Auditor, receiving the results of the employee survey and carbon footprint analysis as well as a PowerPoint presentation outlining the results of the Audit. Topics included: current environmental strengths and weaknesses, “easy wins” that can be implemented immediately, longer-term recommendations.
- Final Green Audit Report – In addition to the PowerPoint presentation delivered during the onsite visit, your Green Auditor will also deliver a formal report back to your organization that includes all of the previously presented information as well as a list of additional resources to get you started.

For clients who choose a more extensive audit with a longer onsite visit, the auditor will schedule additional 1-on-1 interviews with key personnel in departments such as operations, human resources, purchasing, sales, customer service, facility maintenance, and research & development.

You may also choose to have your SSC Green Auditor develop a Sustainability Action Plan, a month-by-month action plan for the first 180 days, specifically tailored to your company and its available staff and budget resources, with the primary goal to identify “low hanging fruit” and opportunities for cost savings through better environmental management.

¹ The SSC Green Audit takes into account the entire scope of your company’s operations in our analysis, but if you have more than one facility we’ll choose the most relevant location and focus there as a starting point. If you want to include site visits to other facilities, we can certainly do that too (for an additional fee).

² Depending on the depth of Green Audit that you choose, this final report may be delivered within 48 hours or within 2-3 weeks.



The SSC Green Audit

How is the SSC Green Office different from other methodologies?

In the sustainability consulting world, there is no true standard for green auditing – each consultant does it a little bit differently. Most consultants will offer something similar – a baseline impact assessment that determines the client’s biggest environmental impacts (e.g. paper vs. energy vs. waste) and then makes recommendations based on those findings. The problem is that this approach often leaves clients with a set of good suggestions but without a clear understanding of how “green” or “ungreen” they are, or how a particular suggestion will impact their overall state of environmental responsibility.

The SSC Green Audit takes the guesswork out of “going green” by providing a consistent methodology that employee attitudes and behavior and combines that with a carbon footprint analysis – all of which culminates in recommendations that are directly tied to your organization’s impacts in a strategic way. We make sure that the green initiatives we propose give you the most “bang for your buck”, and that you walk away with a clear understanding of what going green can mean for your business model.

Is it right for my organization?

In general, our clients are relatively new to the concepts of sustainability, although many will have ad hoc environmental initiatives in place, like office recycling or purchasing recycled paper. Some have already created internal Green Teams, while others are still figuring out how to best approach the issue.

All of our clients have a common goal – to take a big step back and understand what “going green” means for their employees, for their business model, and for their overall environmental impact.

The SSC Green Audit is primarily designed for small and medium-size organizations (those with less than 1,000 employees) and those who are operating in an office-based environment. If you are a larger organization, or are operating in a manufacturing or retail environment, contact us for an engagement package that is specifically tailored to your needs.

What training has my auditor received?

Each certified SSC Green Auditor has a solid background in office-based environmental issues like energy, waste/ recycling, purchasing, and information technology. In addition, they have completed an intense 3-day training course to learn how to effectively use the SSC Green Audit tools and methodology to guide clients through the audit process. Auditors are re-certified on an annual basis to ensure that they are using the most up-to-date recommendations, carbon footprint methodology, and facilitation tools.

Look for the Certified SSC Green Auditor logo to guarantee that you are working with a consultant who understands and applies this rigorous methodology.





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How can I get more information?

Not sure if the SSC Green Audit is right for you? Email us at info@sustainabilityconsulting.com and request a free phone consultation with one of our auditors. We can answer specific questions, give you a price quote, and set up a time for an onsite visit!

The current SSC Green Auditor Network:

