

SASB Index



CODE	ACCOUNTING METRIC	RESPONSE
Energy Management		
RR-FC-130a.1	(1) Total energy consumed	See Environment Section
	(2) Percentage grid electricity	See Environment Section
	(3) Percentage renewable	See Environment Section

Air Quality

Within our operational portfolio, at our California manufacturing facilities, we operate production processes including ink production, cell manufacturing, interconnect manufacturing and stack physical assembly processes that result in emissions of organic compounds that trigger Bay Area Air Quality Management District (BAAQMD) permitting requirements. In 2020, Bloom voluntarily amended its Plant 1 permit to install an emission control device, a regenerative thermal oxidizer (RTO), which controls Volatile Organic Compound (VOC) emissions from the cell printer dryer lines. All other sources are subject to permit limits that ensure compliance with BAAQMD rules. In 2021, Bloom opened a second manufacturing facility in Fremont, CA that also triggered BAAQMD permitting requirements. It is similarly subject to permit limits that ensure compliance with BAAQMD rules. Our Delaware facility includes the final stages of fuel cell manufacturing and among other things includes a pad where fuel cells are tested before going out into the field. The emissions associated with the testing process trigger Delaware Department of Natural Resources and Environmental Control (DNREC) jurisdiction. Up until 2021, Bloom maintained a permit for the facility that limited NOx, CO, VOC and SO₂ emissions from that process. In 2021, Bloom recertified its natural gas energy server with the California Air Resources Board (CARB). Additional emission benefits/reductions were documented in the source test report that was conducted to support that application. Using these updated and improved emission factors, Bloom was able to work with DNREC and expanded its testing capabilities in Delaware, while also qualifying for the air emissions registration in lieu of the more stringent air permitting requirement.

Workforce Health & Safety

RR-FC-320a.1	(1) Total recordable incident rate (TRIR)	1.97
	(2) Fatality rate	0
RR-FC-320a.2	Description of efforts to assess, monitor, and reduce exposure of workforce to human health hazards	Bloom's management is fully committed to providing a safe working environment. We believe in the principle of 'safety first' and that all incidents are preventable. We foster an environment with ongoing integration of safety into all activities to eliminate illness and injuries. To achieve this, the Company has established well-defined safety, health and environmental policies and procedures and ongoing training. We focus on prevention programs and driving continuous improvement via Design for Safety initiatives during development, interactive training programs with all employees, hands-on audits, employee engagement through monthly team meetings, and relentless focus on deep dive investigations ensuring that we learn and improve from incidents.

Product Efficiency

RR-FC-410a.1	Average storage capacity of batteries, by product application and technology type	N/A
RR-FC-410a.2	Average energy efficiency of fuel cells as (1) electrical efficiency	55.87%
	(2) thermal efficiency, by product application and technology type	N/A
RR-FC-410a.3	Average battery efficiency as coulombic efficiency, by product application and technology type	N/A

CODE	ACCOUNTING METRIC	RESPONSE
RR-FC-410a.4	Average operating lifetime of fuel cells, by product application and technology type	5.5 years
RR-FC-410a.5	Average operating lifetime of batteries, by product application and technology type	N/A

Product End-of-Life Management

RR-FC-410b.1	Percentage of products sold that are recyclable or reusable	See Environment Section
RR-FC-410b.2	Weight of end-of-life material recovered, percentage recycled	See Environment Section
RR-FC-410b.3	Description of approach to manage use, reclamation, and disposal of hazardous materials	See Environment Section

Materials Sourcing

RR-FC-440a.1	Description of the management of risks associated with the use of critical materials	See Environment Section
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Product Safety

Bloom's current product lines, both ES 2.5 and 5.0 fuel cells and ancillary equipment are UL certified. UL is a third-party certification company that has been around for over a century and is universally recognized. UL Certification means that UL has determined that the product meets specific, defined requirements, requirements most often based on UL's published and nationally recognized Standards for Safety. Being UL certified illustrates a businesses' dedication to consumer safety, as well as the quality of their products. For reference, the ES 2.5 fuel cell is UL Listed as a "Stationary Fuel Cell Power System" to ANSI/CSA America FC 1-2004. It is UL Listed under UL Category IRGZ and UL File Number MH45102. The ES 5.0 fuel cell is UL Listed as a "Stationary Fuel Cell Power System" to ANSI/CSA FC 1-2014.

RT-EE-250a.1	Number of recalls issued, total units recalled	None
RT-EE-250a.2	Total amount of monetary losses as a result of legal proceedings associated with product safety	None

Business Ethics

RT-EE-510a.1	Description of policies and practices for prevention of: (1) corruption and bribery and (2) anti-competitive behavior	Bloom requires all employees to take anti-corruption training.
RT-EE-510a.2	Total amount of monetary losses as a result of legal proceedings associated with bribery or corruption	None
RT-EE-510a.3	Total amount of monetary losses as a result of legal proceedings associated with anti-competitive behavior regulations	None