

About the Speaker....

30+ years of environmental compliance & sustainability experience

Bachelor's degree in Biology (CSULB)

Launched the sustainability strategy for Alaska Airlines in 2008

Now launching the sustainability strategy for Bio-Rad Laboratories (since January 2021)



Jacqueline Drumheller

Global Sustainability Program Manager



out Bio-Rad



etes Testing



l Typing &
creening



Global Headquarters: Hercules, California



Cell Sorting &



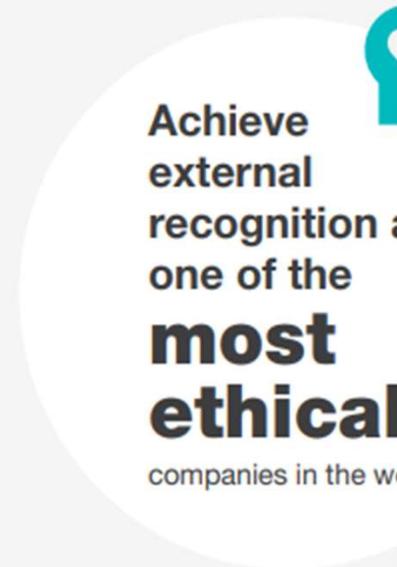
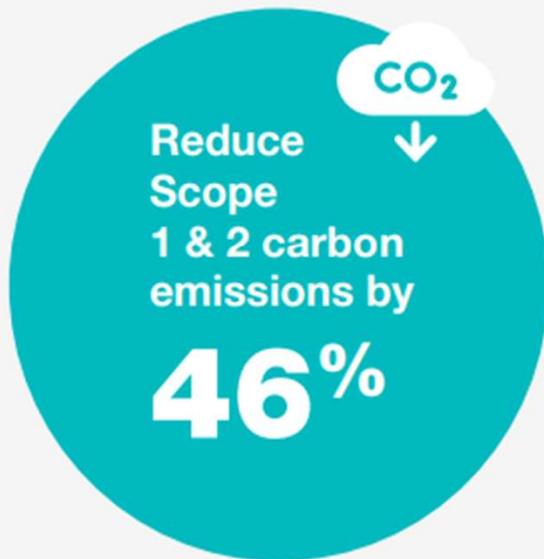
Antibodies

Worldwide Operations



Rad's Sustainability Goals

030
Goals



(baseline)

Can Bio-Rad Get to 46% by 2030?



Reduce Consumption
Improve facility energy efficiency



Reduce Grid Demand
Install on-site renewable energy at select sites



Vehicle Fleet Fuel Efficiency
(EMEA and Americas)



**Procure Off-site
Renewable Energy**
(Americas)

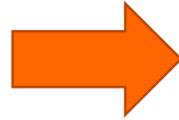
Hercules Campus Solar Project

From September 2021 to September 2022 the Hercules solar array has produced **4.3 million** KWH of electricity. Constitutes 9% of all electricity consumed by Bio-Rad US operations



..... Which is enough electricity to power 400 US homes for one year.

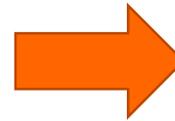
Product Packaging Projects in Progress



Product Packaging Projects Pending (Pilot in Progress)

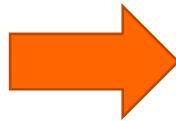


Single Use PolyStyrene Cold Box



Reusable, Returnable Cold Box

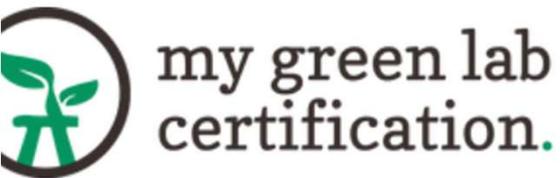
Product Packaging Projects Pending (Pilot in Progress)



Cardboard with poly foam insert

100% Molded pulp

Green Lab & Employee Engagement



Biotech/Pharmaceutical Sector Winners

- Top Organization Award: Amgen
- Large Size Lab Award: Amgen Massachusetts Pivotal Biologics Lab, USA
- **Medium Size Lab Award: Raw Materials Lab, Bio-Rad (Kidlington Branch), Oxfordshire, UK**
- Small Size Lab Award: Process Biochemistry Lab in Biogen at Cambridge, USA
- Biorepository/Core Services/Shared Cold Storage Facility Award: South San Francisco Biobank, AstraZeneca, USA

2022

Embracing Change

SUSTAINABILITY REPORT

BIO-RAD

Thank you!

