JUNE 8–11
2020 SUMMIT
A Virtual Leadership Symposium

Learn more: betterbuildingsolutioncenter.energy.gov/summit
Best of the Betters: 2020 Better Project and Better Practice Presentations

Wednesday, June 10
11:00 am-12:30 pm ET
Submit Questions

[www.slido.com](http://www.slido.com) event code #bbsummit
then go to room “Best of the Betters”
Electrolux Green Spirit Program
Electrolux 2030 Sustainability Strategy

For the Better 2030
- towards carbon neutrality & circularity

- Better Solutions
  - Lead in energy- and resource-efficient solutions
  - Offer circular solutions and business models
  - Eliminate harmful materials

- Better Company
  - Be climate neutral and drive clean, resource-efficient operations
  - Act ethically, lead in diversity and respect human rights
  - Drive supply chain sustainability

- Better Living
  - Make sustainably eating the preferred choice
  - Make clothes last twice as long with half of the environmental impact
  - Make homes healthier and more sustainable through smart solutions for air, water and floors

Supporting the UN Sustainable Development Goals and Climate targets

- Each of the Strategy Focus Area includes three Electrolux Promises.

- The Green Spirit program leads: “Be climate neutral and drive clean, resource efficient operations” for water, energy and CO₂ emissions.

- The Green Spirit program supports: “Eliminate harmful materials” in our production and building systems.
Sphagnum Moss Treatment Solution
Electrolux Kinston Plant Case Study

Kinston Team
Mike Brown, Jason Chavous, Earl Hill, Alex Rouse, Selby Harrell

Sphagnum Moss solution replaces hazardous phosphorous-based chemicals in cooling towers.

✓ **Water Savings:** 3,881 M³ per yr. (measured).
✓ **Energy Savings:** 2.5-3.0% savings from better heat exchanger performance (estimation).

Other Benefits
✓ Improved water quality realized in cooling towers, chiller loops, and quench tanks.
✓ Lower odor and skin irritation risk to personnel.
✓ Less maintenance needs and waste products.
✓ Moss can be reused as mulch or as oil absorbent.
Sphagnum Moss Treatment Solution
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**Before Moss Implementation**

- Analytical Results: Nov. 2016
  - Plastics Molding Loop
  - Molybdenum ppm: 81
  - Iron, ppm: 1974
  - Conductivity: 661
  - Microbio, ATP tot.: 998

**After Moss Implementation**

- Analytical Results: Apr 2017
  - Plastics Molding Loop
  - Molybdenum ppm: 41
  - Iron, ppm: 0.224
  - Conductivity: 336
  - Microbio, ATP tot.: 41

**Present**

- Analytical Results: May 2020
  - Plastics Molding Loop
  - Molybdenum ppm: NA
  - Iron, ppm: 0.120
  - Conductivity: 191
  - Microbio, ATP tot.: 6
Sphagnum Moss Treatment Solution
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Exceeded Green Spirit Water Reduction Targets due to Moss Implementation

5.6% YOY Reduction!