

THE MATERIALS MARKETPLACE

CIRCULAR ECONOMY IN ACTION



United States Business Council
for Sustainable Development



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The US BCSD is an action oriented and member-led nonprofit business association that harnesses the power of collaborative projects, platforms and partnerships to develop, deploy and scale solutions to ecosystems, energy, materials and water challenges.



RECOGNIZED LEADERSHIP IN ACTION



UNITED STATES MATERIALS MARKETPLACE

THE UNITED STATES MATERIALS MARKETPLACE IS A BUSINESS COLLABORATION AIMED AT SCALING BUSINESS-TO-BUSINESS MATERIALS REUSE ACROSS THE UNITED STATES - SUPPORTING A CULTURAL SHIFT TO A CIRCULAR, CLOSED-LOOP ECONOMY.



United States Business Council
for Sustainable Development



wbcspd



CORPORATE
ECOFORUM
Forging Next Practice in Corporate Sustainability

LEADING COMPANIES, VALUED COLLABORATORS

22 companies engaging 78 locations across the US



academic support and regional projects

Yale University

Center for Industrial Ecology

THE OHIO STATE UNIVERSITY

Chemical and Biomolecular Engineering

ATM | TEXAS A&M UNIVERSITY

College of Architecture

REGIONAL COLLABORATORS

austin materials marketplace

ROC DETROIT

memphis materials marketplace



HOW IT WORKS

Hosted on US BCSD's cloud-based materials marketplace software

- Participating companies post materials available or desired, identify reuse opportunities, and exchange underutilized materials
- Facilitated process with both technical and process enablers
- Outcomes range from purely transactional to growing supply-chain relationships for product innovation



RESULTS AT SCALE

June to August 2015

23

companies

78

locations

2.4

million tons available

59

wishlist materials

68

reuse opportunities ID'ed

19

transactions explored

TRANSACTIONS IN DEVELOPMENT

- sand reuse: by-product silica sand and ground silica
- co-processing: cleaning solvents
- sand additive: bauxite residue
- co-processing: bauxite residue
- constructed wetlands: bauxite residue
- co-processing: aqueous methanol
- co-processing: drilling mud
- chemical reuse: hcl by-products
- container reconditioning: totes and drums





OPPORTUNITIES & CHALLENGES

TIME TO MAKE MATERIALS REUSE A NORMAL BUSINESS PRACTICE



growing corporate buy-in,
demonstrated by our three global
business organizations



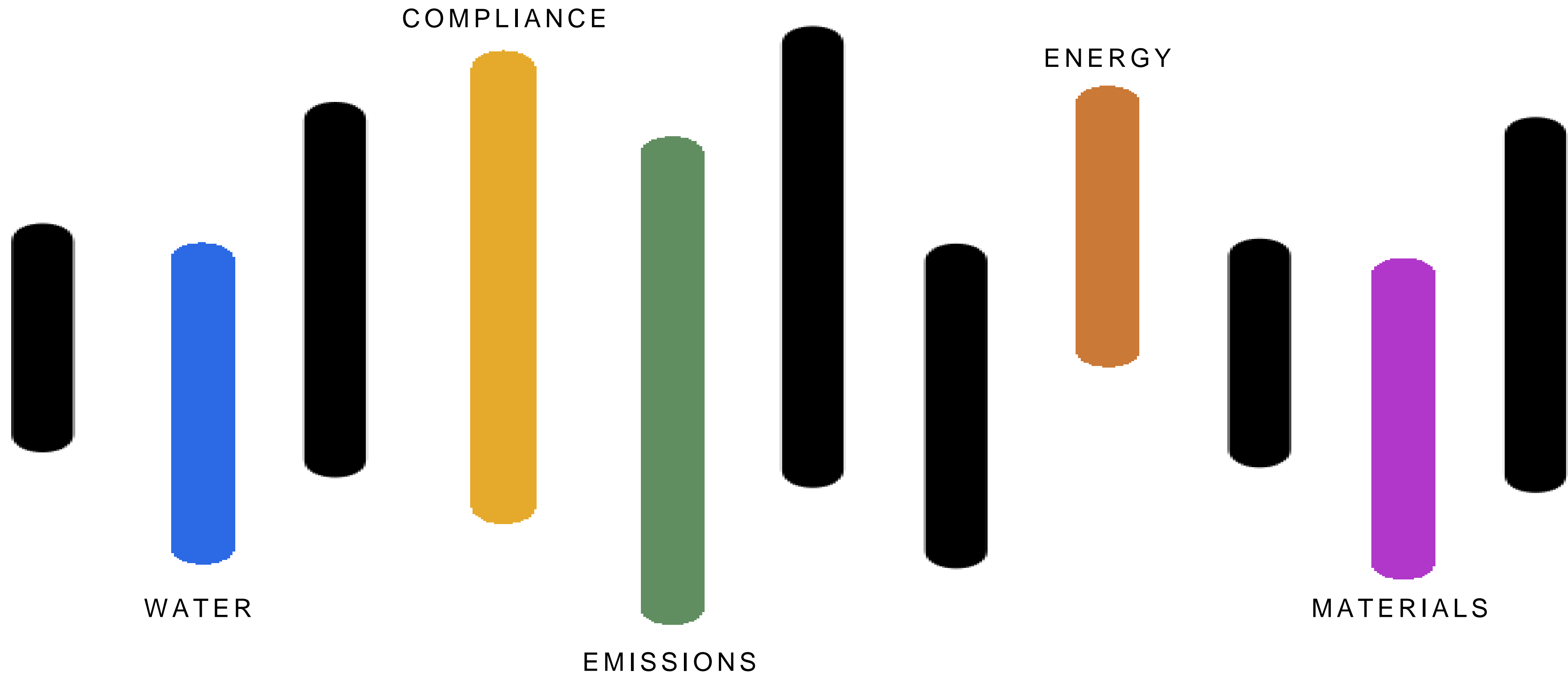
new momentum behind climate
change solutions coming out of the
Paris Agreement



the evolving sophistication of
intelligent materials matching
software

GOOD NEWS: FITS EVERYWHERE

BAD NEWS: FITS EVERYWHERE





PRACTICAL CARBON REDUCTION STRATEGY

RECOGNIZING MATERIAL REUSE AS A CARBON REDUCTION STRATEGY UNDER THE ADMINISTRATION'S CLEAN POWER PLAN WOULD HELP ENGAGE BUSINESSES IN VALUE PRODUCING CIRCULAR SYSTEMS AND UNLEASH TREMENDOUS CREATIVITY.



LEARN MORE

GET ENGAGED TO ACCESS NEW AND INNOVATIVE BUSINESS OPPORTUNITIES TO REDUCE YOUR COMPANY'S WASTE-TO-LANDFILL AND CARBON FOOTPRINT, COLLABORATE WITH LIKE-MINDED PEERS, AND IMPLEMENT REAL STRATEGIES WITHIN A NEW CIRCULAR ECONOMY.

VISIT [MATERIALSMARKETPLACE.ORG](https://materialsmarketplace.org)