DO YOU WORK IN ENGINEERING? GOOD NEWS:

YOUR JOB IS A CLIMATE JOB

Read through this checklist and pick one or more actions to pursue. (Bonus: Work your way through all of them!)

PRODUCT IMPACT

☐ Conduct product life cycle assessments (LCAs) to understand greenhouse gas emissions from new and existing products and adjust accordingly to reduce their climate impact.

☐ Ensure that your product is not only built to have a low environmental and climate impact but also to contribute to the advancement of climate solutions.

DIGITAL PRODUCTS

☐ Integrate procedures to curtail energy usage, such as deleting unnecessary cloud and server resources, reducing the runtime and complexity of software, and optimizing your code's processes and test suites.

☐ Schedule large batch jobs at data centers that use renewable energy. Include emissions impact as a key criterion when choosing when and where to run workloads.

☐ Adopt greener server architectures, like serverless computing and Function-as-a-Service (FaaS), to reduce energy consumption.

☐ Avoid planned obsolescence to reduce electronic waste. Ensure software can run on older hardware to extend its lifespan for end-user devices.

MATERIALS

☐ Make circular design and material choices that enable product repair, upgrades and adaptations, modularity, reuse, and resale.

☐ Work with the procurement and sourcing teams to find comparable alternative materials.

PARTNERSHIPS

☐ When choosing cloud services and external consultants, select those actively decarbonizing their operations. Leverage your power as a client to demand more emissions data, transparency, and reduction efforts.

TRAVEL

☐ Where feasible, opt for virtual instead of in-person gatherings.

DIALOGUE AND ACTION

☐ Build community, capacity, and knowledge with other climate-concerned colleagues within your engineering team and beyond.

☐ Consider writing a letter or petition to leadership or bringing up your concerns at an all-staff meeting to demonstrate widespread support for incorporating climate action.

From Drawdown Labs, a program of

PROJECT DRAWDOWN

FINANCE · GOVERNMENT RELATIONS & PUBLIC POLICY · HUMAN RESOURCES & OPERATIONS · LEGAL · MARKETING · PROCUREMENT · SALES & CLIENT-FACING ROLES · PRODUCT DESIGN · PROJECT MANAGEMENT

Drawdown.org

@ProjectDrawdown

VISIT **DRAWDOWN.ORG** FOR MORE CLIMATE ACTION CHECKLISTS