

Climate Corps 2022 Fellow Training

May 23–27, 2022



2022 Prework

Prework Instructions

Please complete the enclosed prework prior to Training. The Training curriculum is designed in response to this reading list, which forms a foundational knowledge base.

Instructions:

- It is suggested to budget approximately 10 hours to complete all assigned readings & webinars.
- All webinars and articles are available for free.
 - Many of the webinars are provided by Schneider Electric's Energy University. Instructions for registering and viewing Energy University webinars can be found on the following page of this document.
- Start with the "Required for All" reading list.
- Then read your assigned cohort's reading list.
 - If you are unsure which cohort you are in, please email your EM.
- Please note that for each cohort there is a **Required** reading list and an **Optional** reading list. Prioritize **Optional** readings that will be most relevant to your projects, regardless of their cohort categorization.
- Any additional time in the 10 hour time budget should be spent reading **Optional** materials that will bolster fellows' projects.

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Schneider Electric Energy University Instructions

Energy University is a FREE program of e-learning that encompasses the wide range of systems consuming energy or influencing energy use in industry and buildings. Energy University aims to be the most accessible, relevant and trusted source for comprehensive and thought-provoking education on energy efficiency.

To gain access to courses, simply go to www.schneideruniversities.com and click on the “Register” button.

Fill out the form with your details. Please note:

- Under company name please enter: EDF
- Create your own unique username and password
- In the keycode field enter: EDF

Please first take the “How to Use Energy University” course to become familiar with the navigation of the platform.

To quickly enroll in a specific course:

- Under My Courses, click Course Catalogue.
- Use the search function to find a particular course and click the course.
- Click Add to Roster, then Go to Course.
- Click Start Course and begin learning!

If you have issues with the media player, consider looking at the Reference Materials and reading the Course Transcript instead.

Further Questions? Email energyuniversity@schneider-electric.com or contact your Engagement Manager.

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REQUIRED CONTENT FOR ALL

REQUIRED: Complete all content (4.5 hours)

U.S. Electricity Grid & Markets

Read Chapters 1-4 (Source: EPA)

Utilities

Regulation

[PDF](#)

Energy Efficiency 101

Read All (Source: Resources for the Future)

Energy Efficiency

Electricity

Explainer

[ARTICLE](#)

Energy Rate Structures I: Concepts and Unit Pricing

Read All (Source: Penn State Intro to Electricity Markets)

Utilities

Pricing

[ARTICLE](#)

Confronting Disproportionate Impacts & Systemic Racism in Environmental Policy

Read All (Source: Charles Lee)

Environmental Justice

Historical Context

[PDF](#)

What Does "Net-Zero Emissions" Mean?

Read All (Source: World Resources Institute)

Net Zero

Explainer

[ARTICLE](#)

Introduction on Scope 1, 2, & 3 Emissions

Read All (Source: Green Finance Guide)

Emissions

GHG Accounting

Explainer

[ARTICLE](#)

Science Based Targets: The Call to Action

Read All (Source: Science Based Targets Initiative)

Goals & Targets

Explainer

[PDF](#)

The Drawdown Review: Climate Solutions for a New Decade

Read Pages 2-14 (Source: Project Drawdown)

Emissions

Carbon Capture

[PDF](#)

Leading in a Low Carbon Future

Read all (Source: Deloitte Insights)

Emissions

Systems Change

Operations

[WEBPAGE](#)

Climate Change's Disproportionate Impact on At-Risk Populations

Read all (Source: Deloitte Insights)

Environmental Justice

Climate Resiliency

[WEBPAGE](#)

Environmental, Social, and Governance (ESG) Investing: Doing Good to Do Well

Read all (Source: Open Journal of Social Sciences)

ESG

Explainer

[PDF](#)

Renewable Electricity: How do you know you are using it?

Read all (Source: NREL (National Renewable Energy Laboratory))

Renewable Energy Credits

Explainer

[PDF](#)

Environmental Justice in the 21st Century

Read all (Source: Dr. Robert D. Bullard, EJ Resource Center)

Environmental Justice

[PDF](#)

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CLIMATE COMMITMENTS, SUSTAINABLE FINANCE & NET ZERO

REQUIRED: Complete all content (4 hours)

A Corporate Accounting and Reporting Standard

Read Chapters 1-4 & 11 (Source: Greenhouse Gas Protocol)

Goals & Targets

GHG Accounting

[PDF](#)

Pathways to Net Zero: A Guide for Business

Read Executive Summary & Overview (Source: EDF)

Net Zero

[PDF](#)

Sustainability Strategy Core Content: Goal Setting & Disclosure

Watch All (19 min; Password: 5M#D0!!0) (Source: Climate Corps Training 2020)

How-to

[WEBINAR](#)

Sustainability Strategy Core Content: Implementation Planning

Watch All (14 min; Password: PW: 5c=?7*0M) (Source: Climate Corps Training 2020)

How-to

[WEBINAR](#)

Technical Guidance for Calculating Scope 3 Emissions

Read Introduction (Source: Greenhouse Gas Protocol)

Scope 3

GHG Accounting

[PDF](#)

Pathways to Net Zero: The Decisive Decade

Read Executive Summary & Introduction (Source: EDF)

Net Zero

[PDF](#)

Recommendations of the Task Force on Climate-Related Financial Disclosures

Read Sections A-C (Source: TCFD)

Finance & Climate

[PDF](#)

CA100+ Net Zero Benchmark: 2021 Year in Review

Read All (Source: Climate Action 100+)

Net Zero

Finance & Climate

[PDF](#)

Corporate Net-Zero Standard

Read Chapters 1-3 (Source: Science-based Targets Initiative)

Net Zero

Framework

[PDF](#)

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CLIMATE COMMITMENTS, SUSTAINABLE FINANCE & NET ZERO

Optional Content

CDP: Environmental Data Disclosure and Driving Sustainable Infrastructure Investments in Cities

Watch All (45 min; Password: PW: 9x*y!5\$X (Source: Climate Corps Training 2020)

Framework

Explainer

[WEBINAR](#)

Climate Action Planning Framework

Read All (Source: C40 Cities)

Net Zero

Municipal Gov

Framework

[PDF](#)

Global Protocol for Community-Scale Greenhouse Gas Emission Inventories

Read All (Source: Greenhouse Gas Protocol)

Municipal Gov

Framework

[PDF](#)

Science-Based Target Setting Manual

Read through Chapter 3 (Source: Science Based Targets Initiative)

How-to

Framework

[PDF](#)

Introducing the GRI Standards

Watch all (21 min) (Source: GRI)

How-to

Framework

[WEBINAR](#)

A Corporate Accounting and Reporting Standard

Read Chapters 5-8 (Source: Greenhouse Gas Protocol)

Goals & Targets

GHG Accounting

[PDF](#)

Carbon Credit Basics for Business

Read All (Source: EDF)

Net Zero

Carbon Credits

[PDF](#)

Recommendations of the Task Force on Climate-Related Financial Disclosures

Read Section D (Source: TCFD)

Finance & Climate

[PDF](#)

Glasgow Financial Alliance for Net Zero Progress Report

Read Introduction & Relevant Chapters (Source: Glasgow Financial Alliance for Net Zero)

Framework

Finance & Climate

[PDF](#)

Introduction to ISO 14001:2015

Read All (Source: ISO)

Framework

[PDF](#)

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ENVIRONMENTAL & CLIMATE JUSTICE

REQUIRED: Complete all content (3.5 hours)

Best Practices for Meaningful Community Engagement

Read All (Source: Groundwork USA)

Community Engagement Strategy

[PDF](#)

12 Tips for Community Engagement

Read All (Source: Advocacy & Communication Solutions)

Community Engagement Strategy

[PDF](#)

City of Seattle's Inclusive Outreach & Public Engagement Guide

Read All (Source: City of Seattle)

Municipal EJ

[PDF](#)

Spectrum of Community Engagement to Ownership

Read All (Source: Facilitating Power)

Community Engagement Strategy

[PDF](#)

Environmental Justice & Refinery Pollution

Read All (Source: Environmental Integrity Project)

Environmental Justice Context

[PDF](#)

Transforming Local Policies to Achieve Environmental Justice

Read All (Source: Ana Baptista (via NRDC & The New School))

Policy & Justice

[PDF](#)

Flint, Environmental Racism & Racial Capitalism

Read All (Source: Laura Pulido)

Policy & Justice

Racial Capitalism

[PDF](#)

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ENVIRONMENTAL & CLIMATE JUSTICE

Optional Content

Community Based Adaptation to a Changing Climate

Read All (Source: EPA)

Resiliency

[PDF](#)

Principles of Environmental Justice

Read All (Source: EJ Net)

EJ Framework

[PDF](#)

Principles of Climate Justice

Read All (Source: EJ Net)

CJ Framework

[PDF](#)

Jemez Principles for Democratic Organizing

Read All (Source: EJ Net)

Community Engagement Strategy

[PDF](#)

Want Environmental Justice? Look to Energy Efficiency

Read All (Source: Paula Glover, Politico)

Environmental Justice

Energy Efficiency

[ARTICLE](#)

Beyond Inclusion: Equity in Public Engagement Guide

Read All (Source: Simon Fraser University)

Municipal EJ

[PDF](#)

Community Toolbox

Read Chapters 2 & 6 + Corresponding Toolkits

(Source: Center for Community Health & Development (University of Kansas))

Community Engagement Strategy

[WEBSITE](#)

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FOOD WASTE

REQUIRED: Complete all content (2.5 hours)

Reducing Food Emerges As Key Climate Solution

Read All (Source: WasteDive)

Food & Climate

[ARTICLE](#)

Food Waste Insights & Innovation Forum: Opening Keynote & Fireside

Watch All (35 min) (Source: ReFED)

Technology

[VIDEO](#)

Roadmap to 2030: Reducing U.S. Food Waste by 50% and the ReFED Insights Engine

Read All (Source: ReFED)

Food & Climate

Framework

[PDF](#)

Understanding the Problem: The ReFED Food Waste Monitor

Review Food Waste Monitor, Solutions Database, Glossary, and Impact Calculator (Source: ReFED)

Context

[WEBSITE](#)

UN Sustainable Development Goal 12: Ensure Sustainable Consumption and Production Patterns

Read All (Source: United Nations)

UN SDG

Food & Climate

[ARTICLE](#)

Project Drawdown: Farming Our Way Out of the Climate Crisis

Read All (Source: Project Drawdown)

Food Production

[PDF](#)

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FOOD WASTE

Optional Content

Reduced Food Waste

Read All (Source: Project Drawdown)

Food & Climate

Negative Emissions

[WEBSITE](#)

Reducing Food Loss & Waste: Setting a Global Action Agenda

Read Executive Summary & Chapters 1, 2, & 3 (Source: WRI)

Prevention

[PDF](#)

Waste Not, Want Not: Reducing Food Loss & Waste Through Life

Cycle-Based Approaches

Start at Chapter 2 (Source: United Nations Environment Programme)

Prevention

[PDF](#)

USDA Food Loss Waste Champions

Read all (website & PDF) (Source: USDA & EPA)

Prevention

[WEBSITE](#)

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RENEWABLES & ENERGY EFFICIENCY

REQUIRED: Complete all content (4 hours)

How Buildings Use Energy

Watch All (24min) (Source: Climate Corps Training 2020)

Energy Use

[VIDEO](#)

Virtual Chilled Water Plant Tour

Watch All (40min) (Source: Climate Corps Training 2020)

Energy Use

[VIDEO](#)

Energy Audits

Watch All (35min) (Source: Energy University)

Energy Use

[WEBINAR](#)

Financial Analysis of Energy Efficiency Projects I

Watch All (35min) (Source: Energy University)

Energy Financing

Energy Efficiency

[WEBINAR](#)

Financing & Performance Contracting for Energy Efficiency Projects

Watch All (35min) (Source: Energy University)

Energy Efficiency

[WEBINAR](#)

An Introduction to Renewable Energy Procurement: Onsite Solar Generation

Read All (Source: 3Degrees)

Renewable Energy

[ARTICLE](#)

Introduction to the Virtual Power Purchase Agreement

Read All (Source: Rocky Mountain Institute)

Renewable Energy

[PDF](#)

Assessing Onsite Solar Projects

Watch All (58 min; password: !Training2021) (Source: Climate Corps Training 2021)

Renewable Energy

[WEBINAR](#)

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RENEWABLES & ENERGY EFFICIENCY

Optional Content

Procurement Guidance from American Cities Climate Challenge Renewables Accelerator

Read All (Source: American Cities Climate Challenge)

Municipal Gov

Renewable Energy

[ARTICLE](#)

Lighting I: Lighting Your Way

Watch All (Source: Energy University)

Energy Efficiency

[WEBINAR](#)

HVAC Systems I: Introduction to HVAC Systems

Watch All (Source: Energy University)

Energy Efficiency

[WEBINAR](#)

Building Controls I: An Introduction to Building Controls

Watch All (Source: Energy University)

Energy Efficiency

[WEBINAR](#)

Energy Rate Structures II: Understanding Your Bill

Watch All (Source: Energy University)

Energy Financing

Energy Efficiency

[WEBINAR](#)

Demand Response and Smart Grid

Read All (Source: 3Degrees)

Renewable Energy

[WEBINAR](#)

Microgrids

Read All (Source: C2ES)

Renewable Energy

[ARTICLE](#)

Microgrids: What Every City Should Know

Read All (Source: C2ES)

Renewable Energy

Municipal Gov

[PDF](#)

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SUPPLY CHAIN SUSTAINABILITY & SCOPE 3

Complete all content (3.5 hours)

Technical Guidance for Calculating Scope 3 Emissions

Read Introduction (Source: Greenhouse Gas Protocol)

Scope 3

GHG Accounting

[PDF](#)

Corporate Value Chain (Scope 3) Accounting & Reporting

Read Chapters 1-3 (Source: Greenhouse Gas Protocol)

Scope 3

GHG Accounting

[PDF](#)

1.5°C Supplier Engagement Guide

Read All (Source: Exponential Roadmap Initiative)

Supplier Engagement

[WEBSITE](#)

Value Change in the Value Chain: Best practices in Scope 3 Greenhouse Gas Management

Read All (Source: Science Based Targets Initiative)

Scope 3

GHG Accounting

[PDF](#)

Going Beyond: A Guide to Integrating Renewable Electricity into Your Supply Chain

Read All (Source: RE100)

Renewables

Supplier Engagement

[PDF](#)

Buyer - Supplier Engagement to Reduce Upstream Scope 3 Emissions

Read All (Source: Transform to Net Zero)

Scope 3

Supplier Engagement

[PDF](#)

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SUPPLY CHAIN SUSTAINABILITY & SCOPE 3

Optional Content

THESIS Insights - On-farm Trends

Read All (Source: The Sustainability Consortium)

Case Studies

[PDF](#)

Success Stories: Case Studies in Supply Chain Engagement

Read All (Source: EPA Center for Corporate Climate Leadership)

Case Studies

[WEBSITE](#)

Building resilient and sustainable food systems: A decade of best practices from leading companies

Read All (Source: EDF)

Best Practices

Supplier Engagement

[PDF](#)

A guide to addressing your Scope 3 value chain emissions

Read All (Source: GreenBiz/3Degrees)

Explainer

[WEBSITE](#)

Supply Chain Case Studies

Read All (Source: CDP)

Scope 3

Supplier Engagement

[PDF](#)

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ZERO EMISSION VEHICLES

Complete all content (3 hours)

Financing the Transition: Unlocking Capital to Electrify Truck and Bus

Fleets

Read All (Source: EDF)

Financing ZEV

[PDF](#)

Electric Vehicle Market Status - Update

Read All (Source: M.J. Bradley & Associates)

Market Analysis

[PDF](#)

Run on Less - Electric Report

Read All (Source: NCAFE)

Market Analysis

Costs of Ownership

[PDF](#)

Accelerating to 100% Clean: Zero Emitting Vehicles Save Lives, Advance Justice, Create Jobs

Read All (Source: EDF)

Industry Context

[PDF](#)

Charged-Up: Analysis of the Jobs, Investments and Companies in the Zero Emissions Medium & Heavy Duty Vehicle Supply-Chain Economy

Read All (Source: EDF)

Industry Context

[PDF](#)

Race to Net Zero: How manufacturers are positioned for zero emission commercial trucks and buses in North America

Read All (Source: EDF)

Progress Report

[PDF](#)

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ZERO EMISSION VEHICLES

Optional Content

2021 EV100 Progress and Insights Annual Report

Read All (Source: EV100)

Global Analysis

[PDF](#)

Electric Vehicles for Smarter Cities: The Future of Energy & Mobility

Read All (Source: World Economic Forum)

Research

[PDF](#)

A Meta-study of Purchase Costs for Zero-Emission Trucks

Read All (Source: International Council on Clean Transportation)

Cost of Ownership Analysis

[PDF](#)

Accelerating Zero-Emissions Delivery: An Innovative Approach to Transforming the Last Mile

Read All (Source: EDF)

Research

[PDF](#)

Review: Medium- & Heavy-Duty Electrification Costs for MY 2027-2030

Read Executive Summary & Relevant Chapters (Source: ROUSH & EDF)

Cost of Ownership Analysis

[PDF](#)

Accelerating Electric Vehicle Infrastructure: A How-to Guide for Regulators

Read All (Source: EDF)

Regulation

Infrastructure

[PDF](#)