

# Paula Charles

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## **ENERGY AND ENVIRONMENTAL ECONOMICS, INC.**

San Francisco, CA

*Consultant*

Paula Charles supports E3's Asset Valuation practice area, focusing on storage analysis and valuation. Paula joined E3 after earning a Master of Science in Civil and Environmental Engineering at Stanford University. As a Shultz fellow at the Hawaii Public Utilities Commission, she worked on promoting the utilization of distributed energy resources for grid services. Prior to earning her master's degree, Paula also worked for sustainability consulting firms in Paris and New York City on various topics including microgrid optimization and clean fuels. In addition to her master's degree, Paula holds a B.S. in Mechanical Engineering from Ecole Polytechnique.

## **HAWAII PUBLIC UTILITIES COMMISSION**

Honolulu, HI

*Shultz Energy Fellow*

June 2022 – September 2022

- Built a new performance incentive mechanism to promote the utilization of Distributed Energy Resources for grid services. Work became part of an ongoing proceeding and was used for building new public policies.

## **ALTANOVA**

New York, NY

*Sustainable Engineering Associate*

February 2021 – August 2021

- Developed a new service to offer microgrids for buildings in New York City as a comprehensive service.
- Built financial and technical criteria and located the most promising clients using data analysis.
- Modeled the carbon and economic impact of the microgrid and optimized its size on the different buildings.

## **BLUNOMY**

Paris, France

*Energy Analyst*

August 2020 – January 2021

- Conducted analyses with a focus on key issues related to the energy transition: carbon neutrality ambitions, hydrogen, carbon capture, biofuels, electrical grid.
- Drafted recommendations on the strategy of our clients on these markets (leading industry players, banks).

## **LABORATOIRE DE METEOROLOGIE DYNAMIQUE**

Palaiseau, France

*Climate Research Intern*

March 2020 – July 2020

- Reviewed the tuning of the climate model, particularly of the coupled atmosphere-continental surface components.

- Corrected biases of the model during heatwaves by adjusting the parameters involved in the water and energy balances.

## **ALTANOVA**

*Sustainability Analyst*

New York, NY

June 2019 – September 2019

- Worked on a project to enable a Caribbean Island to be fully renewable: modeled the consumption, looked for new renewable generation means and improved the final energy mix.

## Education

Stanford University

*M.S., Civil and Environmental Engineering*

Stanford, CA

2023

Ecole Polytechnique

*M.Eng., Clean Energies and Tech. Innovation*

Palaiseau, France

2020

Ecole Polytechnique

*B.S., Mechanical Engineering*

Palaiseau, France

2019