

Princeton University seeks a postdoctoral research associate or more senior researcher to join the Energy Systems Analysis Group (ESAG) at the Andlinger Center for Energy and the Environment. ESAG research involves thermodynamic, economic, and environmental systems analysis of advanced energy conversion systems, including processes that transform fossil fuels and/or biomass into electricity, hydrogen, and synthetic liquid or gaseous fuels – with CO₂ capture and geologic storage. A Ph.D. in science or engineering is required. We seek an individual to work with us in modeling the prospective evolution over the coming decades of a decarbonized U.S. electricity grid. Experience with algebraic modeling languages used for linear programming (e.g. AMPL, GAMS, etc.) and mixed integer nonlinear optimization are required. Familiarity with combustion-based and renewable electric power generating technologies and with geological storage of CO₂ is desirable. Candidates must have excellent English written and spoken communication skills.

Appointments are for one year with possibility of renewal pending continued funds availability and satisfactory performance. Interested applicants must apply online and submit a current CV, a cover letter describing specific areas of expertise and interest, and contact information for three references at <https://puwebp.princeton.edu/AcadHire/apply/application.xhtml?listingId=1061>. This position is subject to the University's background check policy.

Princeton University is an Equal Opportunity/Affirmative Action employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law.