

22 – Home Energy Education and Outreach Development **CSU Extension Internship Application**

1. **Name of faculty/research scientist mentor and contact information, including Department.** Jason Quinn, Mechanical Engineering, jason.quinn@colostate.edu, (970) 491-4770, & Cary Weiner, CSU Extension, cary.weiner@colostate.edu, (970) 491-3784
2. **In what region will the student be working (county/region/state)?** The student will have a workspace at the CSU Powerhouse Energy Campus but will interact with Extension agents from across Colorado (remotely and in-person).
3. **In less than 150 words, please describe the proposed internship goals, scope, and objectives.** Goals of the internship are to: expose the student to CSU Extension work with the general public and energy stakeholders in Colorado; support the student in developing practical work products; and ground the student in real-world applications of energy competencies. The internship will cover one or more focused projects such as development of a home energy “how-to” video series, social media energy education, drafting of a white paper on beneficial renewable electrification, and/or drafting of guidelines for pollinator-friendly solar development. Specific projects to be undertaken will be determined based on mentor/stakeholder needs and the interests and strengths of the student.
4. **What student learning outcomes do you anticipate and are there opportunities for professional development (e.g., attending conferences or stakeholder convenings)?** Students will learn skills related to interdisciplinary project management, education, managing relationships with the public and stakeholders, written and oral communication and technical energy analysis. It is anticipated that the student would attend at least one convening of Extension stakeholders and potentially attend convenings of external stakeholders in the solar or electric power industries.
5. **Does this project already include collaboration with a specific Extension agent/office? If yes, please describe the ongoing collaboration.** Cary Weiner, State Energy Specialist, will be a primary collaborator for this internship. Mr. Weiner has previously provided support for students of Dr. Quinn as they developed lesson plans and materials related to the Colorado Wind for Schools program.
6. **How does this internship support identified stakeholder needs?** CSU Extension recently completed a residential energy needs assessment, which identified opportunity centered on education, specifically “sustainable energy options on a budget”. Online videos were ranked highly as a delivery method. A white paper on beneficial electrification is a need identified by local governments at a recent Colorado Compact of Communities meeting. Guidelines for pollinator-friendly solar development is a need that has been expressed informally by both utilities and solar industry representatives in Colorado.
7. **Are travel funds available? Opportunities to provide student assistance with housing?** Limited travel funds are available to support intern activities.