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| **Inputs** |  | **Outputs** | |  | **Outcomes -- Impact** | | | |
|  | *Activities* | *Participation* |  | *Short* | *Medium* | *Long* | |
| **Institutional Capacity and Infrastructure**:  NCDC231 – Collaborative for Research on Food, Energy, & Water  IANR Science Literacy Initiative (UNL)  NE Collaborative for Food, Energy, & Water Education  Discipline-Based Education Research (DBER)  Engaged and Mobilized Faculty  **Institutional Resources:**  Key Personnel  In-Kind Contributions  External Funding |  | **Capacity-Building:**  Annual meetings  Two-day invited conference involving 40-50 participants.  **Objectives:**  Investigate and develop knowledge of how individuals reason and learn in the context of the FEW-Nexus  Investigate and develop knowledge of how individuals’ reasoning and learning be supported through instruction, curriculum, and other elements of educational programming in the context of the FEW-Nexus  Investigate and develop knowledge of empirical methods, instruments, and designs that optimize research on FEW-Nexus educational outcomes and approaches  Investigate and develop knowledge of how empirical findings help elaborate the FEW-Nexus as a framework for teaching and learning | **Participants include:**  Faculty from institutions of higher education with interests in food, energy, and water education programs. Disciplinary homes for these individuals include:   * Agriculture education and communication * STEM education * Natural resources * Discipline-based education researchers   FEW-Nexus education and outreach practitioners (K-12 teachers, postsecondary instructors, Extension Educators, etc.)  Stakeholders |  | Results of empirical research on FEW-Nexus education and outreach efforts spanning committee objectives  Concrete mission statement and set of objectives reflecting priorities of the NC-FEW community  Replicable model of intra-institutional FEW-Nexus team-building strategy  Dissemination and recruitment plan (identification of and plan of action for engaging with professional communities spanning FEW-Nexus education research interests) | Enhanced capacity for institutional efforts to develop and implement FEW-Nexus educational programming and education research  Enhanced effectiveness of FEW-Nexus education and outreach efforts  Proposals for external funding in service of long-term sustainability and increased impact of NC-FEW | | Increased science literacy and FEW-Nexus reasoning among students, citizens, and members of the FANH workforce |

Figure 1: Project Logic Model