Goal 2

Develop a comprehensive approach that leads to an increase in the number of underrepresented students who graduate with STEM degrees

Objective 1

Increase participation of a diverse pool of NSHE students and faculty in the Nexus Research project

1. Engage faculty and students from PUI and MSI (Casella, Sady, Regner)

Activities:

-Nevada Bright Stars in Research - EPSCoR Workshops

-NSHE-CUR Institute for Broadening Participation in Undergraduate Research

-Nexus Advisory Committee for Broadening Participation

-Outreach to campus clubs, organizations, admin, faculty

2. Provide undergraduate research opportunities for under-represented students (Casella, Sady, Mensing, Regner)

Activities:

- Application Writing workshops

-Undergraduate Research Opportunity Program (targeting Underrepresented minorities [URM])

-Peer-to-Peer teach backs and mentoring (through Bright Stars and implementation of Green Boxes and Solar Kits)

3. Recruit students into undergraduate research (Casella, Sady)

Activities:

-Nevada Bright Stars in Research

Undergraduate Research Opportunity Program (targeting URM)

-Peer-to-Peer teach backs and mentoring -Co-host events such as CI Days

-Solar Kits in partnership with Nexus research team and college access programs

Objective 2

Increase knowledge of a more diverse group regarding STEM fields and research

1. Increase access to the Nevada STEM Pipeline website for workforce development and external engagement (Casella, Gonzales, Sheets)

Activities:

-Drive stakeholders to the website as a clearinghouse resource for Nevada STEM programs

-Develop a STEM careers page for Nevada STEM Pipeline website

2. Develop Nevada STEM Mentor Network website for workforce development and external engagement (Casella, Sady, Gonzales)

3. Develop New Faculty Training Workshop (Casella, Sady, Gonzales)

Activity: Convene Workshop in June 2016,2017, 2018

Objective 3

Support the advancement of a diverse pool of STEM graduates

1. Increase graduate student solar research opportunities for underrepresented minorities (Casella)

Activities:

-Partner with WFD on Graduate Professional Development workshops to ensure URM participation

-Engage the Nexus Advisory Committee for Broadening Participation to increase diversity of graduate student participants.