

AGENDA and MINUTES

Monday, April 9, 2018 from 2:00 pm – 3:00 pm

1. Roll Call – Gayle Dana

Attending: Tammy Bolen, Dave Archer, Ellen Purpus, Greg Idhe, Craig Kugler for Joe Gryzmski, Zach Miles, Gayle Dana (ExOfficio) – and filling in for Marcie Jackson (50% Quorum met)

Not present: Cory Hunt, Marcie Jackson Jason Mendenhall, Carl Reiber, Joyce Woodhouse,

Guest: Lynn Fenstermaker

2. Welcome - Greg Idhe

3. NSF and NASA Capitol Hill Visits – Dr. Gayle Dana and Dr. Lynn Fenstermaker
See Attached slides

4. NSF EPSCoR Track 1 Proposal Status – Dr. Gayle Dana
We should have heard 6 weeks ago. The delay is in part due to the FY18 spending bill being passed so late in the year (March 23, 2018). The proposals are stuck in NSF's Office of the Director awaiting approval.

5. NSF EPSCoR Annual Meeting and National Conference Update – Dr. Gayle Dana
See attached slides

6. Review of new NASA EPSCoR CAN Award – Dr. Lynn Fenstermaker
See attached slides

7. Open solicitations for NASA RID and CAN – Dr. Lynn Fenstermaker
See attached slides

8. DEPSCoR Potential Funding Update – Dr. Gayle Dana
See attached slides

9. Review Possible Revisions to Charter – Gayle Dana
Gayle went over the proposed changes. Since the required 75% members are not present for voting to approve, Gayle will send out to the entire committee for approval via email.

10. New Business

Greg: Committee member Carl Reiber is leaving the state to take a new position as Provost and Vice President for Academic Affairs at Georgia Southern University. Carl filled the committee

position of broadening participation of underrepresented groups, preferably from one of NSHE's Minority Serving Institutions, especially the community colleges. Committee members are encouraged to provide suggestions on people that could replace Carl.

Gayle: Committee member Joyce Woodhouse's term is up. She is willing to serve another 3-year term if elected. Gayle will send out an email to the committee to vote for Joyce's re-election.

Greg: AFWERX is in Las Vegas. It is a group committed to scouting and designing innovative solutions to benefit the Air Force. It opened couple months ago in the Howard Hughes parkway in Las Vegas. What they are doing relates to the EPSCoR mission.

<http://afwerxdc.org/afwerx-vegas/>

Committee Members:

- Greg Ihde, Chair
- Joe Grzymiski, Vice Chair
- Dave Archer
- Tammy Bolen
- Cory Hunt
- Jason Mendenhall
- Zach Miles
- Ellen Purpus
- Carl Reiber
- Joyce Woodhouse

Other Participants:

- Marcie Jackson
- Gayle Dana
- Lynn Fenstermaker



Nevada System of Higher Education Sponsored Programs



Nevada EPSCoR Advisory Committee Meeting - April 9, 2018

Gayle Dana

Nevada State EPSCoR Director

Nevada NSF EPSCoR Director



3. EPSCoR Capitol Hill Visits FY18 and FY19 Funding

NSF, DOE, DoD, USDA EPSCoR

March 1, 2018 Capitol Hill Visits



Left to Right:

Dr. Kumar Parvesh, UNLV

Dr. Jay Arnone, NSHE

Kaipo Kekaula, UNLV

Lori Ciccone, UNLV

Senator Cortez Masto

Dr. Gayle Dana, NSHE

EPSCoR/IDEA BUDGET SUMMARY

amounts in millions

Agency	FY17 Omnibus	FY18 Budget Request	FY18 Coalition Goals	FY18 Omnibus	FY19 Budget Request	FY19 Coalition Goals
NSF	\$160.0	\$100.0	\$170.0	\$170.7	\$160.0	\$170.0
NIH	\$333.4	\$288.0	1% of NIH Budget	\$351	TBD	\$380.0
DOE	\$15.0	\$0	\$20.0	\$20.0	\$7.7	\$20.0
USDA	\$56.25*	n/a	15% Language	\$60.0*	n/a	15% Language
NASA	\$18.0	\$0	\$25.0	\$18.0	\$0	\$25.0
Totals	\$582.65	\$388.0		\$619.0		

4. NSF EPSCoR Track-1 Proposal Status

Submitted August 29, 2017





5. NSF EPSCoR Meetings

NSF EPSCoR NEXUS Annual Meeting

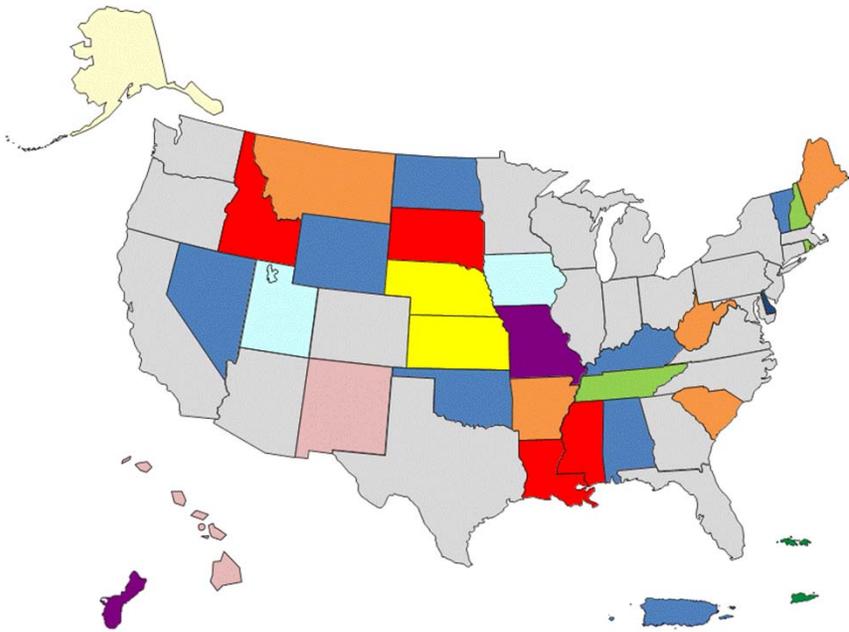
April 6, 2018



- Held at UNR
- 5th Year, last Annual Meeting
- 100 attendees from
 - UNLV
 - UNR
 - DRI
 - NSHE
- Distinguished guests from
 - NSF
 - Nevada Governor's Office
 - Sempra
 - NV Energy

NSF EPSCoR National Conference

November 5-8, 2017



- Held in Missoula Montana
- Hosted by Montana EPSCoR
- 300 attendees from all 27 EPSCoR jurisdictions
- 11 attendees from Nevada
- Sessions
 - Inclusion and Diversity
 - Science and Innovation
 - Partnerships
 - Longitudinal Sustainability



8. DEPSCoR Funding Potential

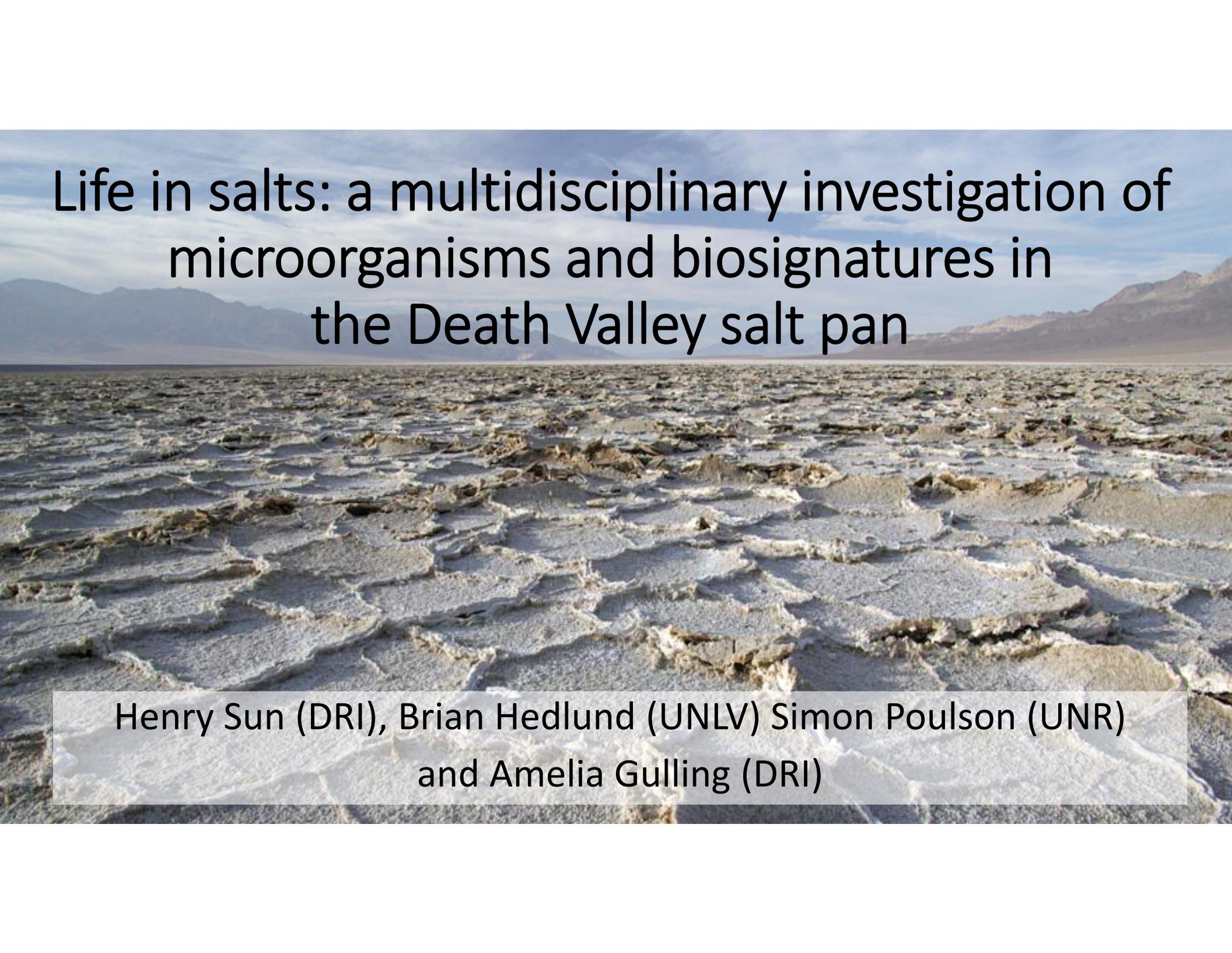
Defense **E**stablished **P**rogram to **S**timulate **C**ompetitive
Research

DEPSCoR

- FY 2009 - last year Congress appropriated funding for DEPSCoR (\$14.8M)
- FY 2018 – the National Defense Authorization Act (NDDA) reauthorized DEPSCoR
- FY 2019 – DEPSCoR funding goal is \$15M



Hypersonic Weapons Research Top Priority for US Undersecretary of Defense - for defense against threats by China and Russia to overtake the US with new technologies



Life in salts: a multidisciplinary investigation of microorganisms and biosignatures in the Death Valley salt pan

Henry Sun (DRI), Brian Hedlund (UNLV) Simon Poulson (UNR)
and Amelia Gulling (DRI)

Objectives



- Identify microorganisms and chemical reactions in different brine layers;
- Determine their tolerance for Mars physical environment;
- Study formation of and look for other biogenic minerals;
- Develop a model for mineral salts as a function of precipitation and evaporation;
- Test NASA life-detection instruments, including SHERLOC, a spectrometer for Mars 2020; and
- Engage Nevada school teachers so they can inspire their students to pursue careers in STEM disciplines.

NASA EPSCoR Current Solicitations

- NV NASA EPSCoR Research Infrastructure Development (RID)
 - 3 Yr solicitation is out for all states
 - Current NV RID soliccittions:
 - Travel and Workshop: Goddard Technical Interchange Meeting
 - Seed Grant: will be announced April 16th
- National NASA EPSCoR Research Cooperative Agreement Notice (CAN)
 - NV Notice of Intent and Pre-proposal solicitation is out
 - Full proposal due to NASA in Oct 2019

Charter

Nevada EPSCoR Advisory Committee

ARTICLE I

NAME

The name of the organization shall be the Nevada EPSCoR Advisory Committee.

ARTICLE II

NATURE

The Nevada EPSCoR Advisory Committee (herein referred to as the Committee) is an independent body responsible for providing guidance to Nevada's EPSCoR programs by identifying potential research and development (R&D) improvement strategies and activities that are consistent with Nevada's Science and Technology Plan and most likely to advance the further development of a nationally competitive academic R&D capability.

ARTICLE III

DEFINITIONS

The Committee has established the following definitions for the interpretation of the charter and other documents related to Nevada's EPSCoR programs.

Experimental Program to Stimulate Competitive Research (EPSCoR): EPSCoR is a program authorized by Congress that provides strategic programs and opportunities for EPSCoR participants that stimulate sustainable improvements in their R&D capacity and competitiveness; and advances science and engineering capabilities in EPSCoR jurisdictions for discovery, innovation, and overall knowledge-based prosperity.

Minority-serving Institutions (MSI): A federal designation of institutions serving high proportions of minority students. UNLV meets the requirements as an Asian American, Native American, and Pacific Islander-Serving Institution (AANAPISI) and is a Hispanic Serving Institution (HSI). Nevada State College is an AANAPISI, and College of Southern Nevada is an HSI and AANAPISI.

Nevada System of Higher Education (NSHE): NSHE oversees all state-supported higher education in Nevada. Two doctoral-granting research universities, one state college, four community colleges and one research institute comprise the System.

NSHE System Sponsored Programs and EPSCoR Office (NSHE SPO/EPSCoR): This office is a unit within the Nevada System of Higher Education (NSHE), Government and Community Affairs Department. The office is charged with administrative and financial regulations and compliance requirements that govern grants and contracts for EPSCoR and other statewide programs.

NSHE Research Affairs Council: This council consists of the Vice Chancellor for Academic and Student Affairs (Chair) and the Vice Presidents for Research from the Desert Research Institute (DRI), University of Nevada Reno (UNR), and University of Nevada Las Vegas (UNLV). The mission of the Council is to promote, support and stimulate statewide research efforts in order to maximize and leverage research productivity across NSHE.

Nevada EPSCoR Director: This individual works collaboratively with the Nevada EPSCoR Office and EPSCoR Project Directors to meet Nevada’s EPSCoR needs and is the only recognized official liaison between the Committee and federal agency program officers.

Nevada EPSCoR Project Directors: These individuals are recognized by federal agencies as being responsible for the implementation and management of specific Nevada EPSCoR programs including NSF EPSCoR, NASA EPSCoR, DOE EPSCoR, and DoD EPSCoR. The selection of Project Directors and duration of their terms are specified in procedural documents held in the Nevada EPSCoR office.

State EPSCoR Committee Chair: This individual is responsible for the implementation of policies and procedures as established by the Committee.

EPSCoR Coalition and EPSCoR Foundation: Nevada may have members on the Boards of both the Coalition and the Foundation and may periodically inform the Nevada EPSCoR Advisory Committee on national issues related to EPSCoR programs. The EPSCoR Coalition is a national, non-profit organization whose purpose is to promote expansion of the capacity of the United States and Commonwealths and territories to carry out scientific and engineering research and education. The EPSCoR Foundation Board is a national, non-profit organization aimed at promoting the importance of a vibrant science and technology enterprise.

ARTICLE IV

PURPOSES

1. The purpose of the Nevada EPSCoR Advisory Committee is to:
 - a) Support and assist in the development of science and technology in the State of Nevada, including education, research infrastructure and competitiveness, and technology transfer;
 - b) Connect science, technology, engineering and mathematic advancements for a pathway to a diverse well-prepared STEM-enabled workforce and economic development and diversification;
 - c) Advise the State EPSCoR Director on strategic directions for sustained health and growth of Nevada’s EPSCoR programs and align them to the Nevada Science and Technology Plan, and the governor’s economic development plan: Moving Nevada Forward: A Plan for Excellence in Economic Development 2012-2014; and
 - d) Facilitate linkages of the EPSCoR programs with legislators, businesses, committees, associations and other interested parties about the importance of EPSCoR in Nevada and the critical role science and technology play in development of Nevada’s economy.

2. In accomplishing these purposes, the Committee shall:
 - a) Provide guidance and direction on research, education, and economic strategies for EPSCoR programs and proposal themes;
 - b) Promote state stakeholder (private sectors, agencies, and legislators) support of, and linkages with Nevada's EPSCoR programs;
 - c) Review semi-annual progress reports from EPSCoR office;
 - d) Review and provide input to the Nevada Science and Technology Plan;
 - e) Ensure proposals are aligned with the Nevada Science and Technology Plan and the governor's economic development plan: *Moving Nevada Forward: A Plan for Excellence in Economic Development 2012-2014*;
 - f) Identify niche and emerging research and economic development opportunities; and
 - g) Provide guidance on demonstrating importance of research to state economy.

ARTICLE V

COMMITTEE

1. *General Powers.* The Committee, in consultation with the designated Nevada EPSCoR Director and the Committee Chair, shall administer with the purposes set forth.
2. *Number and Qualifications:* The Committee shall consist of not more than 15 members, preferably in the following categories:
 - a) A representative from the Nevada State Department of Education with STEM/GEAR UP/P-20 background;
 - b) A representative from a private sector entity related to Nevada EPSCoR's technology and/or research focus;
 - c) Three representatives from academia: (1 each) from DRI, UNR, and UNLV in the following positions and/or expertise: Provost; government relations; or economic development/technology transfer;
 - d) A representative for broadening participation of underrepresented groups, preferably from one of NSHE's Minority Serving Institutions (MSI);
 - e) A representative from the Nevada Governor's Office of Economic Development (GOED);
 - f) One member from the Nevada Legislature;
 - g) A representative from the aerospace/defense sector (private or federal);
 - h) A representative from the business information technology (IT) sector;
 - i) A representative from the business, entrepreneurship and technology sector; and
 - j) The Nevada EPSCoR Director as ex officio member.
3. *Method of Selection.* Vacancies will be filled by appointment by the NSHE Research Affairs Council and will serve at the pleasure of the Chancellor.
 - a) The initial chair is the NSHE Chancellor.
 - b) Subsequent chairs and a vice chair will be nominated by the Committee and approved by the NSHE Research Affairs Council.

- c) The chairperson is responsible for presiding at all committee meetings and signing all charters, resolutions, and minutes. She/he represents the committee and serves as the visible arm of the state's EPSCoR project. The vice-chairperson is to preside at all meetings in the absence of the Chairperson.

4. *Terms of Office.*

- a) An elected member will serve for a term of three years, but may be removed with due cause from membership by NSHE Research Affairs Council action.
- b) Committee members can be reelected to unlimited consecutive terms, but must be nominated and elected at the end of each term.
- c) Initial terms will be staggered so that approximately 1/3 of the members will be rotating off the Committee in any given year.
- d) Members receive no compensation for their services. The Nevada EPSCoR office will pay travel and per diem expenses pursuant to NSHE policy and dependent upon availability of funding for such purposes.
- e) Terms will expire on October 31st of the year indicated by the appointment action.
- f) In the event a vacancy occurs, the NSHE Research Affairs Council may appoint a replacement member to serve the remainder of the term.

5. *Removal from Office.* The NSHE Research Affairs Council, by majority consensus, may remove any non ex officio member from the Committee. Any member may be removed from the Committee by a majority vote of the Committee.

6. *Meeting Schedule.* The Committee will meet on a regular basis.

- a) *Regular Meetings.* There shall be semi-annual regular meetings of the Committee each year. These meetings are to be scheduled approximately every six months.
- b) *Special Meetings.* Special Meetings of the Committee may be called by the Committee Chair, three Committee Members, and the NSHE Research Affairs Council, OR the designated Nevada EPSCoR Director.
- c) *Place of Meetings.* The Committee Chair shall designate the time and place for all regular and special meetings and will typically be via teleconference.
- d) *Quorum.* A quorum is defined by 50% of the specified membership, but must include the Nevada EPSCoR Director.
- e) *Invited Guests.* The Committee Chair may, from time to time, invite special guests to attend Committee meetings.

7. *Meeting Conduct.* The Committee Chair will preside over the meeting. In the event that the Committee Chair cannot attend a meeting, the Vice Chair will preside.

- a) *Meeting Agenda.* The Committee Chair will distribute an agenda and all materials at least one week before any regular meeting.
- b) *Conduct.* The meeting will be conducted according to Robert's Rules of Conduct.
- c) *Minutes.* The minutes of each meeting shall be recorded by a person appointed by the Committee Chair and kept on file at the NSHE SPO/EPSCoR office.

d) *Staff Support.* The NSHE SPO/EPSCoR office will provide staff support for committee meetings.

8. *Special Committees.* The Committee Chair, with the concurrence of the Committee, may designate standing or ad hoc committees as needed. Special committee membership may include members of the Committee as well as selected outside individuals as the Committee deems appropriate.

ARTICLE VI

AMENDMENTS

Amendments to this Charter may be adopted by a vote of at least seventy-five percent (75%) of the Committee members present at any regular or called (special) meeting provided that at least 30 days written notice is given of the intention to adopt the revised Charter at said meeting. This Charter shall become effective when it is adopted.