

AISES GRC Summer Meeting Proceedings
June 4, 2014
Department of Energy (DOE), Washington D.C.

- Welcome – Jody Tallbear
- Opening Prayer – Francis Gray (Piscataway-Conoy)
- Review of Agenda Items
- AISES Introduction – Sara Echohawk
 - Thanked DOE for hosting the summer GRC Meeting
 - Member Introductions
- Welcome – Dr. Andre Sayles, Principal Deputy Director
 - Positions Held: Chief Diversity Officer (Army), Private Industry, Military Career
 - Championing minorities & women
 - Discussed personal thoughts on energy (energy & water)
- DOE Role in STEM Education – Dr. Dmitri Kusnezov, Senior Advisor to the Secretary
Chief Scientist, NNSA
 - Integrate student/facility onto energy
 - Create notion of sustainability
 - Define value proportion for partnership
- Need for STEM Capacity Building in Indian Country – Pilar Thomas (DOE)
 - Tribes with no electrification infrastructure
 - Residential Solar capability
 - Tax Credit on solar (30%) set to expire CY16 – Big Spike in solar projects in CY16
 - Wind tax credit expire CY13 (dropped 90%)
 - Research Career Opportunities
 - Engineering/Manufacturing
 - Construction
 - Installation/operations
 - Push Native American students for Power Engineers in Power Plants
 - STEM Wind Job
 - STEM Transmission/Distribution Systems

- Power & Transmission Engineers
 - Grid Modernization
 - 60% eligible to retire in 10 years
 - Need workers in the age range of 18 – 27
- Community Based Education Model: Santa Fe Indian School – Alexandra Gilliland (DOE)
 - Santa Fe Indian School (Community Partnership)
 - Owned by the Pueblos (Middle & High Schools)
 - Senior must complete a Honors Project
 - Work performed by students in the area of GPS & Map Making
 - Learning about the Environment
 - Field Work/Collaborations – work as a team and not as individuals
 - Community Orientations
- American Indian Research & Education Initiative (AIREI) Program – Steve Grey, LLNL
 - Mentoring students
 - Encouraging more Native American researchers to participate
 - Extend project to five years
 - Create working model for other federal agencies
- SUN Project and Minorities in Energy – Jody TallBear (DOE)
 - Minorities in Energy
 - STEM Education
 - Workforce Development
 - Economic Development
 - Climate Change
 - Corporate Partnership Strategy
 - Energy Literacy
 - SUN Project
 - AISES Power Up Workshop
 - National Science Bowl
- NASA Tribal Climate Change Grants – Torry Johnson (NASA)
 - MUREP

- Get more Native Americans at NASA
 - Currently 10 at GSFC
- TCUP
 - Externship Program (Kiksapa Consulting)
 - Over 70 TCU students/36 faculty participate
 - Science Mission & Cubesat (SKC)
 - 1st TCU students to participate in building and testing flight unit
 - Internship at NASA Centers (AIHEC)
 - 50 students, 6 – 10 week internships
- GRC Membership and Purpose – Marcellus Proctor (AISES GRC Co-Chair)
 - Four Guiding Questions were asked during this segment:
 - Where does the membership want the GRC to do/go?
 - What is our focus?
 - How does the GRC align with AISES?
 - What to do so GRC does not meet for the sake of meeting?
 - Strategic Plan for GRC
 - AISES has a strategic plan for multiple groups
 - Government Relations, Corporate Advisory, Professional, Tribal
 - Look to White House Initiative on American Indian and Alaska Native for template of a strategic plan
 - Communication within GRC
 - Possible establishment of a POC contact list
 - Interagency effort
 - Identify needs of TCU efforts
 - Indian Country support to focus on STEM
 - White House Initiative – Need to enforce Strategic Plan
 - AISES could help with this effort
 - Look at establishing MOU model for partnership between agencies and AISES
 - Focus – Structure of GRC Membership
 - Support goals of AISES
 - Workforce recruitment/retention, resource allocation, STEM focus

- Senior leadership involvement with GRC
 - Better navigate students to Government resources
 - Establishing working groups session during the GRC Meetings and in-between
 - Look into subcommittees within GRC
 - Agencies should be prepared to answer to Native students of the following two questions:
 - What is your agency all about?
 - Why should I work at your agency?
 - National Conference Note: Request that the GRC Meeting be longer than one hour – maybe up to two hours
 - GRC will establish an application process for hosting Summer Meeting
 - Patent Office, EPA, & NASA offered to host
- AISES Overview/Partnership Opportunities – Sarah EchoHawk & Shirley LaCourse (AISES)
 - Background of AISES
 - Membership Makeup
 - Leadership Summit (March 2014)
 - Increased 33% (226 attendees)
 - Virtual Science Fair
 - Did a pilot (37 projects)
 - Researchers submitted slideshows, optional 2 min videos
 - Student interviewed via Skype or teleconference
 - 3 AISES students were sent to National American Indian Science & Engineering Fair (NAISEP)
 - 2 out of 3 AISES students received special awards
- Adjourn – Next Meeting: **AISES National Conference (November 13 – 15, 2014)**