**Climate Action Kickoff Meeting 4/1/2019**

**Energy**

**Members:** Jon Heizinger, Karin Wadsack, Jim Biddle, Eric Nielsen

**Creating the Framework:** Utilize energy in the most efficient way possible, reduce wasting money, strive for lowest $/unit carbon production, be resilient to future regulatory and economic risks

**Big Picture:** 0 carbon – 100% renewable onsite or offsite heating, cooling, electricity, etc., Evaluate energy sources vs. carbon to see what would be best

**Who’s Involved:**  Facilities, cabinet, all users on campus, ITS, Res Life

**Making the Plan:**

1 year: Convert maintenance to LED bulbs, establish revolving fund, re-establish previous levels for Energy Outreach Coordinators, Commissioning Agent/Controls technician hire, find next phase of efficiency projects, Enforce existing design and technical standards-buildings

3 years: Create EUI mandate within contracting, Design/Constrict Energy Phase III Project, investigate low temp. conversion for HTHW system + steam, establish internal rate of carbon for decision making

5 years: Re-evaluate renewable energy for on/off campus and energy storage, have 5% of buildings converted to digital controls

10 years: Convert South campus heating to low temperature and electric, EUI of 100KBTU or less average for campus, begin converting North campus heating to low temp.

20-30 years: Convert North campus heating to electric

**Setting Priorities:** Convert to DDC, convert heating to low temp, implement renewable (probably not cost effective now)

**Academics**

**Members:** Kim Curtis, Ginger Christenson, Blase Scarnati

**Creating the Framework:** Infused across curriculum, common course/common reading, social justice, reciprocal/flat- learning space, Knowledge-community, etc.

**Big Picture:** Required common courses/experience as a university requirement—interships as a requirement for all students, stronger program SLOW re sust – re gardening, to reservation, System-wide, How for CAP to support learning vs learning as ad, University-wide colloquium – centered around the living laboratory internship”, Privilege sustainable activities in COFS re promotion & tenure

**Who’s Involved:** All departments/programs in graduate & undergraduate, Faculty Senate, SPAC, CSAC, GSG, ASNAU, F cubed, City, County, Faculty Development/HR, FUSD, charters, partner with Res Life

**Making the Plan:**

1 year: Someone lead/driver, Core team, 1 on 1 meetings-power map, NAU Reads, Key community/regional—alliances/relations, Orientation week

3 years: Work with Faculty Senate-College Curriculum Comm, Faculty Senate – re COFS, Infusion/curriculum—course/internships

5 years:

10 years:

**Setting Priorities:**

**Implementation & Adaptation Group**

**Members:** Sara, Valentine, Liane

**Creating the Framework:** How to make sure implementation happens, changing habits and patterns, Incentivizing & reward on campus, Appropriating Sustainable Orientation & Culture

**Big Picture:** Sodexo – 0 waste, no plastic campus, Plastic-free campus-wide, Zero waste food systems, Recycling Broad Program expand on how to recycle everything, On campus bulk store – Glass jars, refillable

**Who’s Involved:** All groups

**Making the Plan:**

1 year: Punch pass for reusables, paid positions in sustainability

3 years:

5 years:

10 years:

**Setting Priorities:**

**Art/Media/Communications/Outreach**

**Members:** Emery Cowan, Bo Stevens

**Creating the Framework:** Making sure climate action (and the plan specifically) is a core part of NAU’s mission, key-values, identity & outward-facing communication, focus on climate action & how sustainable actions directly support that goal, NAU’s climate action planning implementation is done in tandem with and with constant outreach toward the community

**Big Picture:** Public & transparent goals, date, regular monitoring, benchmarks progress update – make this a plan the community/campus can monitor and watch for themselves, Continual collective input and involvement from NAU and community members, i.e. involvement from students in monitoring, evaluating proposals, communication and outreach

**Who’s Involved:** Campus & community media (LJ, AZ Daily Sun, KNAU, KJACK), Classes-undergrad & grad, Professors & research institutes – work on climate action-related research projects, teaching faculty – incorporating climate action themes into curriculum

**Making the Plan:**

1 year: Reporting platform – give feedback on energy use, other ways to decrease emissions – utility use platform to monitor NAU carbon emissions, energy use, progress on other sustainability goals (waste generation, building efficiency) Involving classes in outreach climate action, monitoring, research-incorporating that into curriculum, Communicating steps of the Climate Plan, Broad and deep communication about climate action plan, accomplishments, work left to do progress toward goals

3 years: Real time data for buildings

5 years:

10 years:

**Setting Priorities:** Accurate monitoring and real-time data transparency that is accessible

**Residence Life**

**Members:** Kristen Morale & Bryce Thayer

**Creating the Framework:** Outreach & education: what & why it is important (RA Training), Sustainability utility use through behavior change and infrastructure upgrades, Influence ACC (recycling), LEED

**Big Picture:** Establish outreach/education program for RA (SM, ER), LEED Residence Halls

**Who’s Involved:** HR, Freshmen/underclassmen, ACC, EMSA, Ras, RHD, RHA

**Making the Plan:**

1 year: RA training, sustainability mentor program, Recycling in all halls, Meter all utilities/gather data

3 years: Sustainability Mentor Program, all low-flow, more efficient lighting, retrofitting

5 years: low=flow, more efficient lighting, retrofitting

10 years: All LEED residence halls

**Setting Priorities:** Sustainability Mentor/other outreach programs

**Water**

**Members:** Tom Finger, Tamara Lawless, Nicole Cuaz

**Creating the Framework:** Open dialogue with City, Advanced planning, Open dialogue on campus, Elimination of aesthetic uses of water, Establishment and adherence to a water budget in accordance with aquifer replenish, Acknowledge change in availability with climate change

**Big Picture:** Campus growth and enrollment dictated by water availability

**Who’s Involved:** City, Facilities, Residents, Day users, Landscaping companies, Athletics/Campus Rec.

**Making the Plan:**

1 year: Begin data sharing between NAU-Flag, Anchor action in classroom – capstone, etc, research actions, especially local aquifer regeneration, Metering across campus (identifying needs for metering), Tinkering with water system in place that is wasting water

3 years: Implement metering system, Athletic fields use minimum water necessary-hire/use expertise

5 years: Have an NAU culture of water conservation & sustainability (res life, curricular), Water sustainability in freshman orientation

10 years: Have all buildings upgraded to efficient use systems/fixtures, Active & passive rainwater collection/distribution systems, reduce all outdoor water use by ~15%

**Setting Priorities:** Build day to day accountability – Know where and how water is used, Green Fund project assessing transition cost of full inventory of fixtures & plans for updating

**Waste Min/Recycling/Dining**

**Members:** Prestin Cooke, Anona Miller, Laura Bohland, Ben Meki

**Creating the Framework:** Zero Waste – composting, getting rid of single-use plastics, Food waste & composting partnership with city/plant based, Reduction – food waste, move-out (thrift store), Scope 3 measurements – what is going to make the impact, Compost certification program

**Big Picture:** Increase in sustainable building/construction materials & techniques, Mandatory reporting of construction & waste from departments—public & transparent, Mandatory orientation for sustainability education, Dining staff at bins & having this be a paid position or available for class credit, Compost system on campus

**Who’s Involved:**

**Making the Plan:**

1 year: Establish staffing/oversight for ideas, Sustainability education within orientation/new student edu., Identify single-use plastic alternatives, Improved signage for recycling & waste reduction

3 years: External food waste composted & reduced, Begin single-use plastic alternatives within dining services

5 years: Local recycling facilities

10 years: Change social mindset on reduction & recycling, Zero-waste all over campus

**Setting Priorities:**

**Justice**

**Members:** Matt, Kelsey

**Creating the Framework:** Recognizing most effected populations, creating space for minority voices to lead efforts forward, equal representation for humans, and non-human world/nature

**Big Picture:** Planning for resiliency and just transitions, create cleaner, better, healthier jobs, Ideological shift for shared economics, eliminate food insecurities on campus, decolonizing all of NAU’s current practices, behaviors, etc., Students=more of say in fees and finding for programs

**Who’s Involved:** AIS, ITEP, NACC, ES

**Making the Plan:**

1 year: Establishing NAU as Sanctuary University, Institution-wide recognition of Indigenous lands across campus

3 years: Minimum Wage Increase, Fund for DACA students

5 years:

10 years:

**Setting Priorities:**

**Landscaping/Operations**

**Members:** Calvin Legassie, Rosemary Logan

**Creating the Framework:** Rainwater Harvesting, Composting-chemical residue testing, No non-organic fertilizers or pesticides, Water conserving plants/edible plants, More support for gardens, Habitat for wildlife

**Big Picture:** 100% rainwater harvesting for landscaping, Expansion of turning off irrigation, allowing areas to have their own identity away from university design, Getting rid of chemical-based fertilizer/pesticides, More visible gardens

**Who’s Involved:** Garden Groups, Student Ecological Restoration, Harvesting produce, Indigenous Studies, Biological Sciences/Student Workers, Facilities, Ongoing student involvement (GA’s), Landscape Designer, Howard/Composting

**Making the Plan:**

1 year: Increase interpretive signage – add educational piece to gardens, Webpage, Email, Garden maps

3 years: More garden support from faculty/staff, 100% rainwater harvesting for existing gardens, going away from non-organic fertilizer & pesticides—reduction of 50%, 3 total gardens, Adding gardens to dorm locations & throughout campus

5 years: 100% non-organic fertilizer/pesticides, 100% of all landscaping fed by rainwater harvesting, Interpretive Signage throughout campus, Campus community garden for students/faculty/staff

10 years: 20% of campus food grown on campus

Setting Priorities: 100% Rainwater harvesting for landscape, eliminating use of non-organic fertilizer/pesticide, 20% of growing campus food

**Transportation**

**Members:** No representation at meeting

**Purchasing & Procurement**

**Members:** No representation at meeting